

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070615\  
 Data File : BF080368.D  
 Acq On : 7 Jul 2015 4:47  
 Operator : TP/IZ  
 Sample : IDOC-03-W-UM  
 Misc : IDOC-W-UM  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

Manual Integrations  
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apatel  
 7/7/2015 4:26:56 PM

Quant Time: Jul 07 06:49:52 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 07 03:05:40 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.23  | 152  | 46762    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.52  | 136  | 184743   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.29 | 164  | 90300    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.79 | 188  | 188354   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.72 | 240  | 197925   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 16.55 | 264  | 184154   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.84  | 112 | 314959 | 123.36 | ng | 0.00  |
| 7) Phenol-d6             | 6.84  | 99  | 426756 | 126.09 | ng | 0.01  |
| 23) Nitrobenzene-d5      | 7.79  | 82  | 258222 | 81.53  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 11.08 | 330 | 104941 | 111.07 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.60  | 172 | 507890 | 75.90  | ng | 0.00  |
| 78) Terphenyl-d14        | 13.46 | 244 | 608000 | 71.65  | ng | -0.01 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.04 | 88  | 36021   | 29.88 | ng | 85     |
| 3) Pyridine                    | 3.87 | 79  | 122374  | 39.89 | ng | 93     |
| 4) n-Nitrosodimethylamine      | 3.78 | 42  | 57828   | 40.12 | ng | 97     |
| 6) Aniline                     | 6.89 | 93  | 110298  | 23.54 | ng | 98     |
| 8) 2-Chlorophenol              | 7.01 | 128 | 120826  | 40.82 | ng | 96     |
| 9) Benzaldehyde                | 6.77 | 77  | 20586   | 10.94 | ng | 99     |
| 10) Phenol                     | 6.85 | 94  | 159537  | 43.47 | ng | 94     |
| 11) bis(2-Chloroethyl)ether    | 6.94 | 93  | 104622  | 37.79 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.17 | 146 | 134848  | 37.11 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.25 | 146 | 124470  | 36.68 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.40 | 146 | 129330  | 37.66 | ng | 99     |
| 15) Benzyl Alcohol             | 7.36 | 79  | 103583  | 39.54 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.49 | 45  | 177162  | 39.57 | ng | 99     |
| 17) 2-Methylphenol             | 7.47 | 107 | 88968   | 38.78 | ng | 99     |
| 18) Hexachloroethane           | 7.76 | 117 | 40577   | 37.22 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.63 | 70  | 81555   | 37.14 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.62 | 107 | 123735  | 38.70 | ng | 97     |
| 22) Acetophenone               | 7.63 | 105 | 169009  | 39.65 | ng | 99     |
| 24) Nitrobenzene               | 7.80 | 77  | 114104  | 35.86 | ng | 98     |
| 25) Isophorone                 | 8.04 | 82  | 221543  | 36.34 | ng | 100    |
| 26) 2-Nitrophenol              | 8.13 | 139 | 53481   | 38.84 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 8.16 | 122 | 109267  | 40.33 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 8.25 | 93  | 139252  | 36.78 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.37 | 162 | 95101   | 39.54 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.46 | 180 | 102520  | 35.86 | ng | 98     |
| 31) Naphthalene                | 8.54 | 128 | 338371m | 35.71 | ng |        |
| 32) Benzoic acid               | 8.22 | 122 | 61020   | 43.44 | ng | 94     |
| 33) 4-Chloroaniline            | 8.58 | 127 | 78052   | 20.66 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.66 | 225 | 63410   | 36.46 | ng | 100    |
| 35) Caprolactam                | 8.92 | 113 | 28432   | 38.28 | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 9.06 | 107 | 94165   | 37.94 | ng | # 71   |
| 37) 2-Methylnaphthalene        | 9.24 | 142 | 226494  | 37.49 | ng | 100    |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.40 | 216 | 98968   | 34.58 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.40 | 237 | 80365   | 68.65 | ng | 94     |

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 BNA\_F  
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 IDOC-03-W-UM

Manual Integrations  
 APPROVED

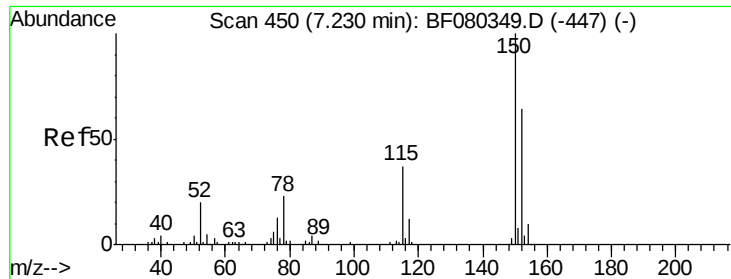
apatel  
 7/7/2015 4:26:56 PM

Quant Time: Jul 07 06:49:52 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070615.M  
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 QLast Update : Tue Jul 07 03:05:40 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.52  | 196  | 69228    | 36.72 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.55  | 196  | 79453    | 36.16 | ng    | 96       |
| 45) 1,1'-Biphenyl              | 9.70  | 154  | 288315   | 35.97 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.73  | 162  | 218578   | 35.77 | ng    | 98       |
| 47) 2-Nitroaniline             | 9.81  | 65   | 67834    | 39.67 | ng    | 98       |
| 48) Acenaphthylene             | 10.14 | 152  | 345798   | 33.99 | ng    | 100      |
| 49) Dimethylphthalate          | 9.98  | 163  | 246408   | 33.99 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 10.05 | 165  | 56454    | 37.24 | ng    | 98       |
| 51) Acenaphthene               | 10.33 | 154  | 224118   | 36.81 | ng    | 98       |
| 52) 3-Nitroaniline             | 10.22 | 138  | 42227    | 24.72 | ng    | 98       |
| 53) 2,4-Dinitrophenol          | 10.34 | 184  | 43719    | 67.60 | ng    | 98       |
| 54) Dibenzofuran               | 10.50 | 168  | 327617   | 37.84 | ng    | 98       |
| 55) 4-Nitrophenol              | 10.37 | 139  | 93579    | 74.75 | ng    | # 80     |
| 56) 2,4-Dinitrotoluene         | 10.46 | 165  | 75796    | 38.89 | ng    | 92       |
| 57) Fluorene                   | 10.84 | 166  | 266720   | 35.78 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.61 | 232  | 66465    | 37.76 | ng    | 99       |
| 59) Diethylphthalate           | 10.69 | 149  | 264044   | 36.46 | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 10.83 | 204  | 119730   | 36.29 | ng    | 99       |
| 61) 4-Nitroaniline             | 10.84 | 138  | 62087    | 37.45 | ng    | 100      |
| 62) Azobenzene                 | 10.99 | 77   | 251052   | 36.50 | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 10.88 | 198  | 35137    | 33.81 | ng    | 97       |
| 65) n-Nitrosodiphenylamine     | 10.94 | 169  | 220199   | 36.70 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 11.32 | 248  | 77235    | 35.79 | ng    | 98       |
| 67) Hexachlorobenzene          | 11.40 | 284  | 82916    | 36.63 | ng    | 99       |
| 68) Atrazine                   | 11.46 | 200  | 57057    | 31.95 | ng    | 96       |
| 69) Pentachlorophenol          | 11.58 | 266  | 72133    | 64.45 | ng    | 94       |
| 70) Phenanthrene               | 11.81 | 178  | 394753   | 34.94 | ng    | 100      |
| 71) Anthracene                 | 11.87 | 178  | 411418   | 37.14 | ng    | 99       |
| 72) Carbazole                  | 12.02 | 167  | 359459   | 34.79 | ng    | 100      |
| 73) Di-n-butylphthalate        | 12.35 | 149  | 440473   | 37.27 | ng    | 98       |
| 74) Fluoranthene               | 13.06 | 202  | 415746   | 34.25 | ng    | 98       |
| 76) Benzidine                  | 13.18 | 184  | 186813   | 37.21 | ng    | 97       |
| 77) Pyrene                     | 13.31 | 202  | 431894   | 36.08 | ng    | 100      |
| 79) Butylbenzylphthalate       | 14.00 | 149  | 189591   | 39.69 | ng    | # 82     |
| 80) Benzo(a)anthracene         | 14.71 | 228  | 427794   | 35.86 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.65 | 252  | 125475   | 31.72 | ng    | # 99     |
| 82) Chrysene                   | 14.75 | 228  | 385981   | 34.58 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.68 | 149  | 296324   | 40.70 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 15.48 | 149  | 492177   | 40.92 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 18.32 | 276  | 459752   | 35.03 | ng    | 100      |
| 87) Benzo(b)fluoranthene       | 16.02 | 252  | 418075   | 36.12 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 16.05 | 252  | 398717   | 36.40 | ng    | 99       |
| 89) Benzo(a)pyrene             | 16.47 | 252  | 402058   | 37.99 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 18.34 | 278  | 384264   | 36.87 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 18.84 | 276  | 384019   | 36.33 | ng    | 98       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.00 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

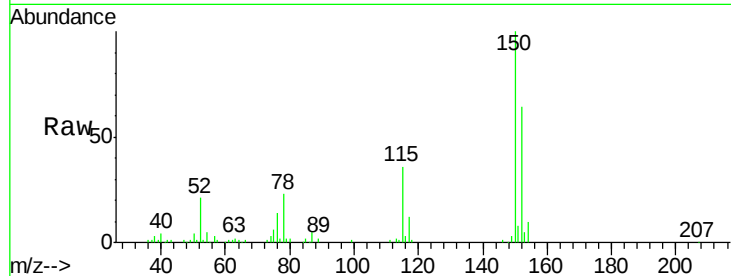
ClientSampleId :

IDOC-03-W-UM

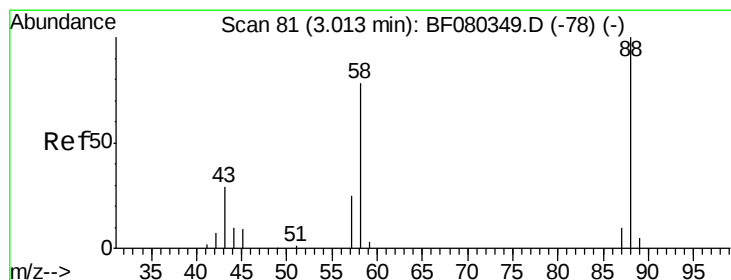
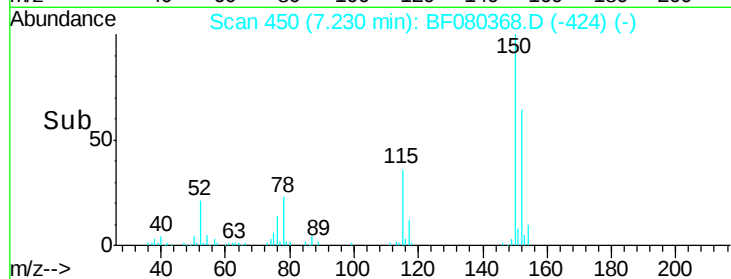
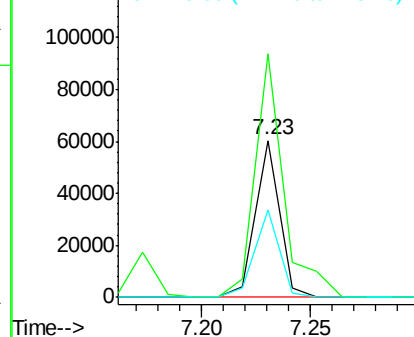
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 46762 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 155.2 | 124.7 | 187.1 |
| 115       | 55.5  | 45.7  | 68.5  |

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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 29.88 ng

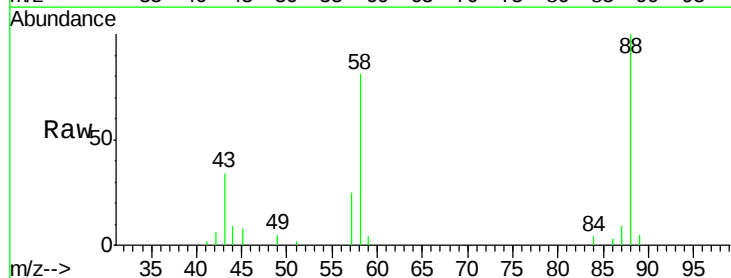
RT: 3.04 min Scan# 83

Delta R.T. 0.02 min

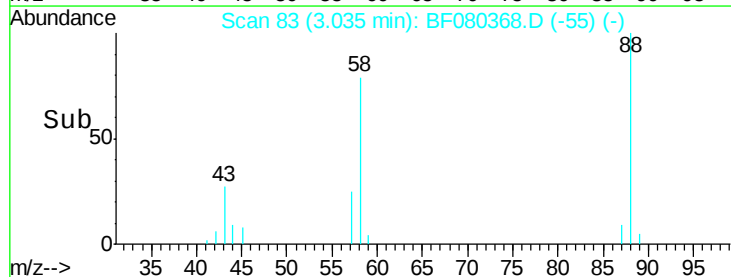
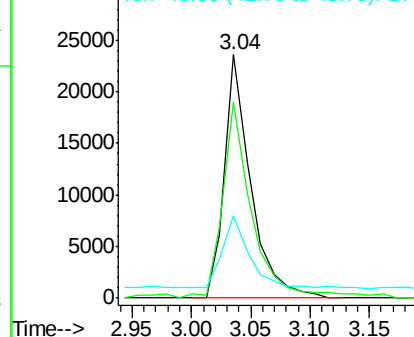
Lab File: BF080368.D

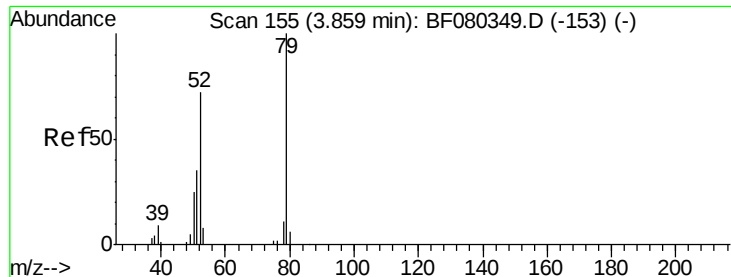
Acq: 7 Jul 2015 4:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 36021 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 90.7  | 61.0  | 91.6  |
| 43        | 34.2  | 23.4  | 35.0  |



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 39.89 ng

RT: 3.87 min Scan# 156

Delta R.T. 0.01 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

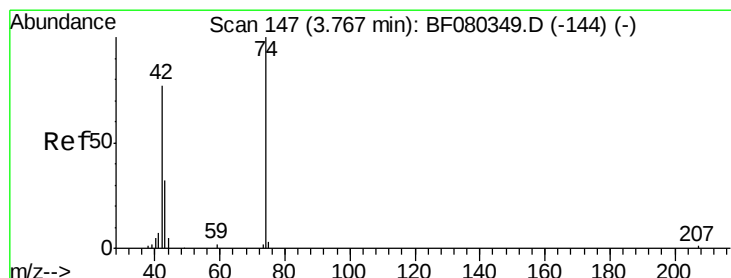
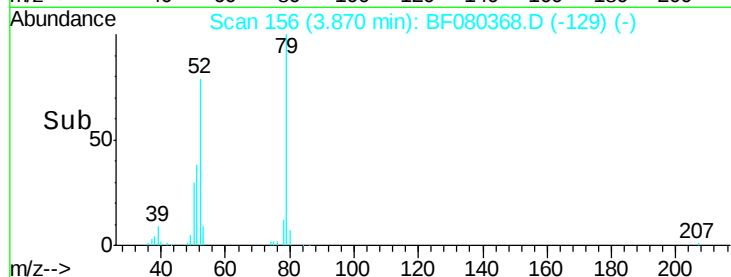
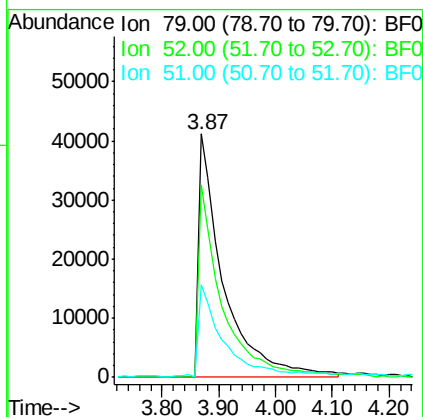
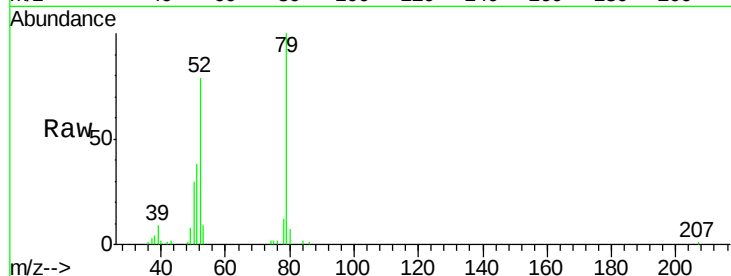
ClientSampleId :

IDOC-03-W-UM

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 79    | Resp: | 122374 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 79.0  | 57.2  | 85.8   |
| 51        | 38.1  | 29.4  | 44.0   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 40.12 ng

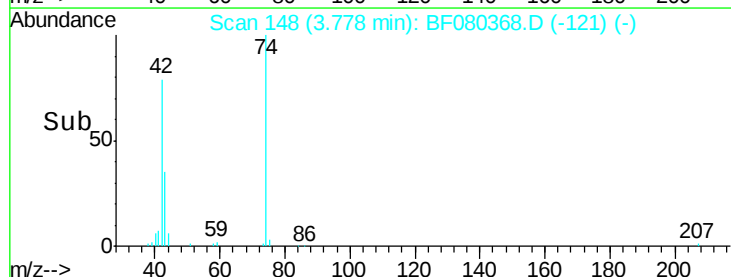
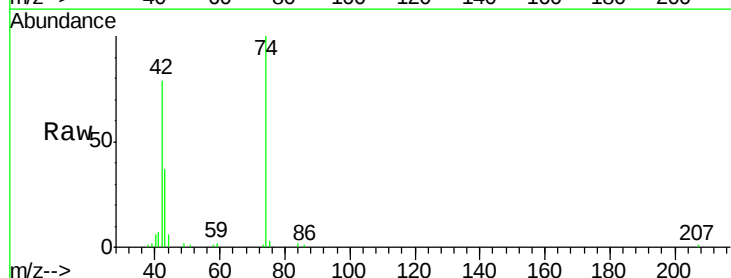
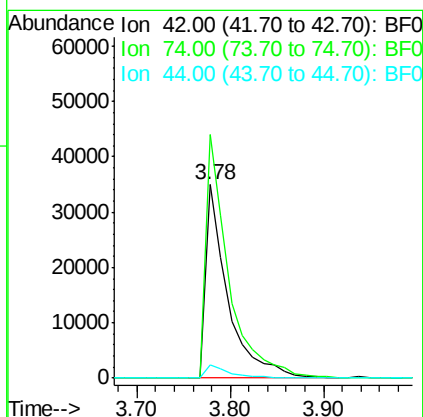
RT: 3.78 min Scan# 148

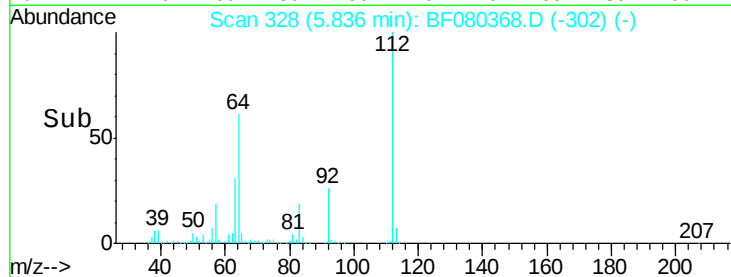
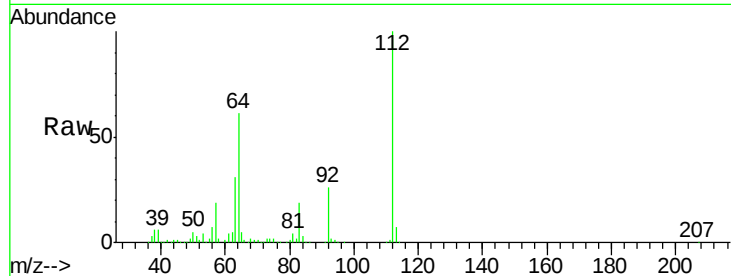
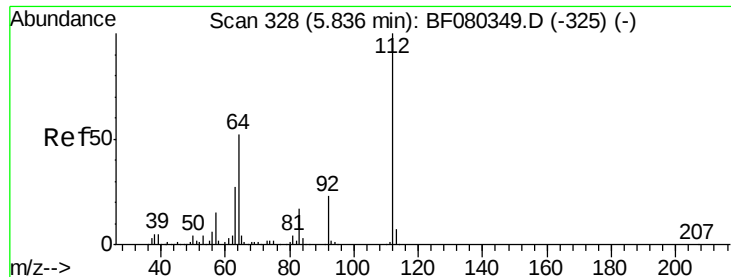
Delta R.T. 0.01 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 57828 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 125.9 | 103.4 | 155.0 |
| 44        | 6.9   | 5.4   | 8.0   |





#5

2-Fluorophenol

Concen: 123.36 ng

RT: 5.84 min Scan# 328

Delta R.T. -0.00 min

Lab File: BF080368.D

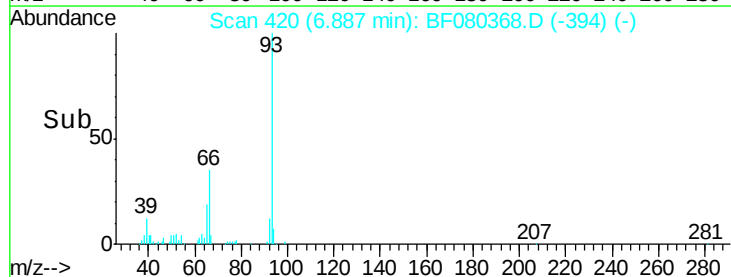
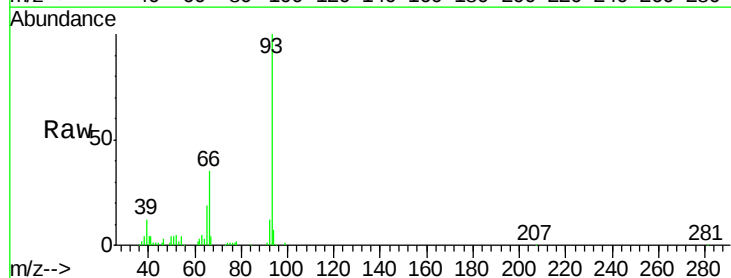
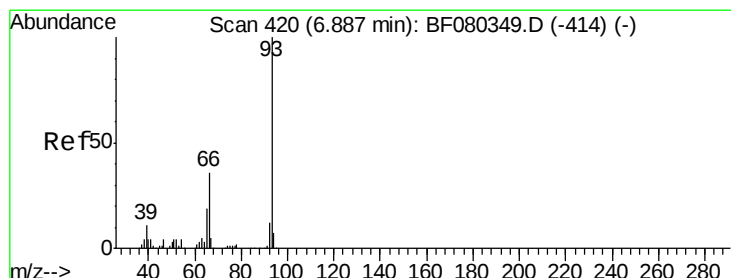
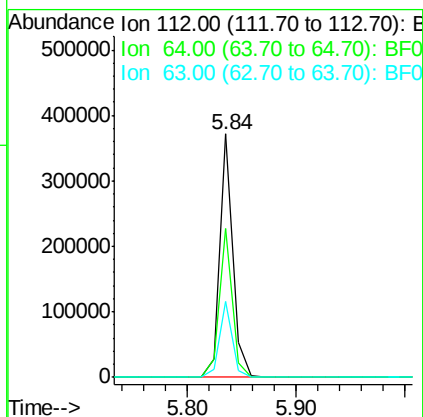
Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 314959 |       |       |
| 64      | 61.2  | 41.8   | 62.6  |       |
| 63      | 31.2  | 21.5   | 32.3  |       |

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#6

Aniline

Concen: 23.54 ng

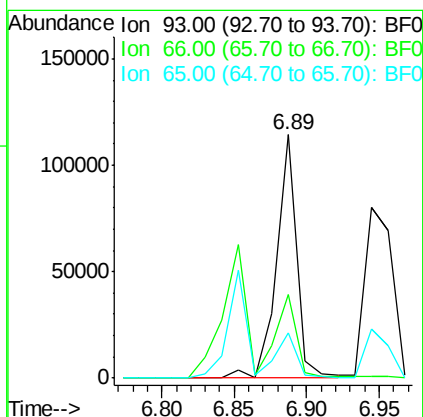
RT: 6.89 min Scan# 420

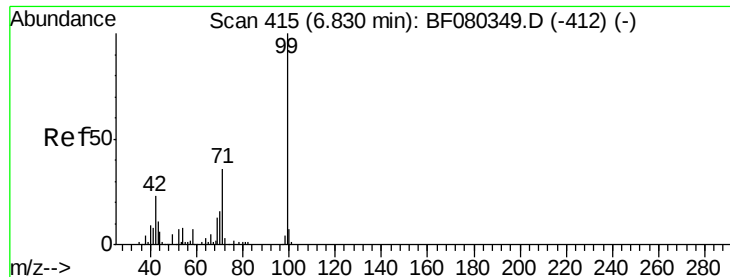
Delta R.T. -0.00 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 110298 |       |       |
| 66      | 34.6  | 28.7   | 43.1  |       |
| 65      | 18.8  | 14.8   | 22.2  |       |





#7

Phenol-d6

Concen: 126.09 ng

RT: 6.84 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF080368.D

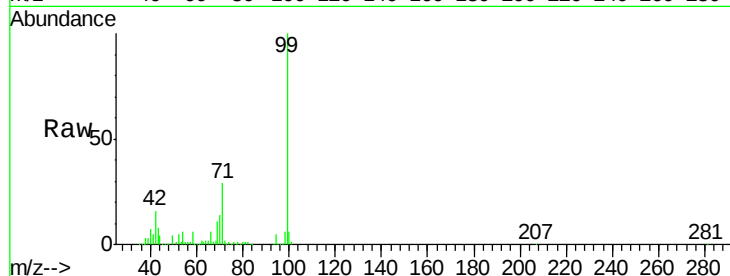
Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

ClientSampleId :

IDOC-03-W-UM



Tgt Ion: 99 Resp: 426756

Ion Ratio Lower Upper

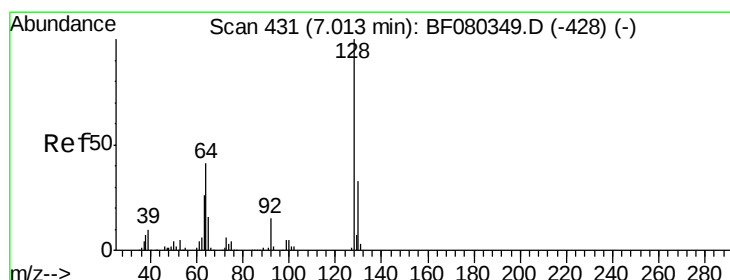
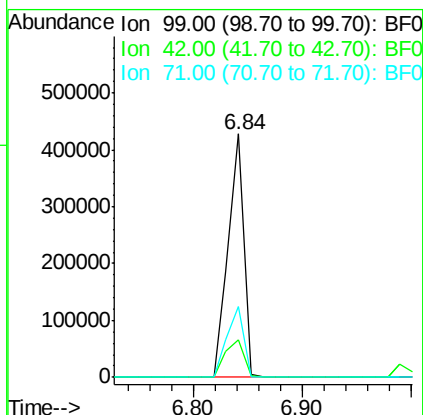
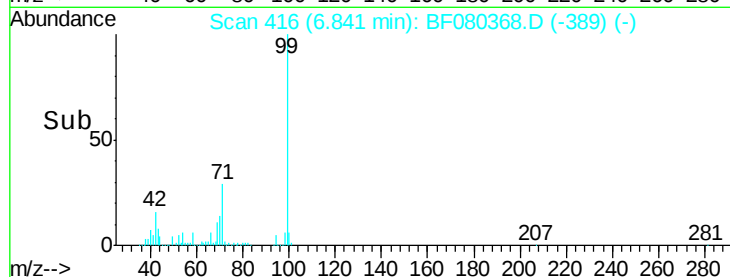
99 100

42 15.6 18.5 27.7#

71 29.3 28.5 42.7

Manual Integrations  
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#8

2-Chlorophenol

Concen: 40.82 ng

RT: 7.01 min Scan# 431

Delta R.T. -0.00 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

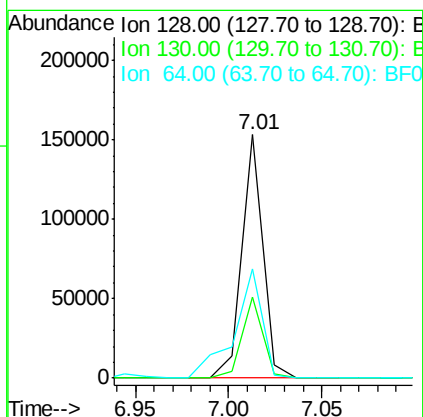
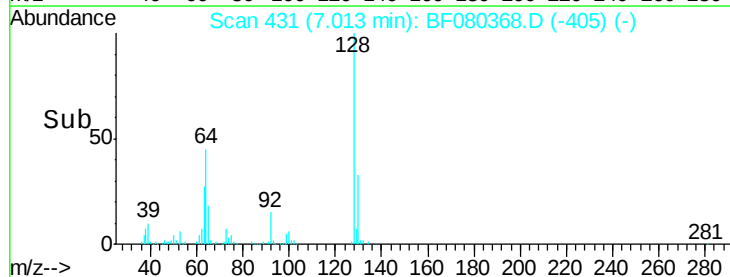
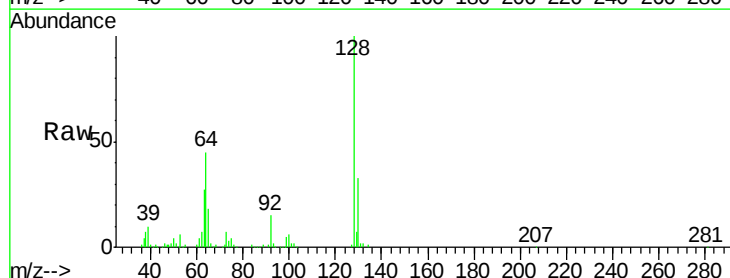
Tgt Ion: 128 Resp: 120826

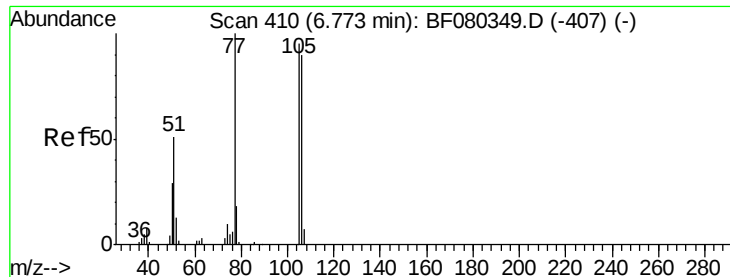
Ion Ratio Lower Upper

128 100

130 33.3 12.8 52.8

64 45.0 21.1 61.1





#9

Benzaldehyde

Concen: 10.94 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF080368.D

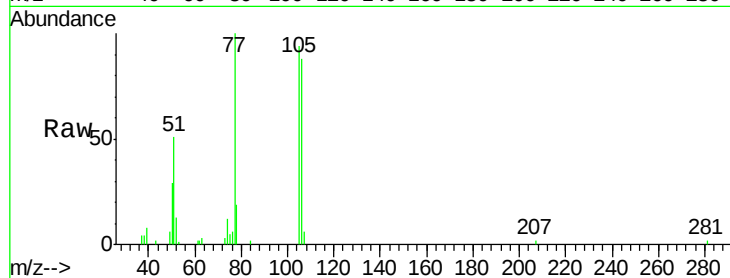
Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

ClientSampleId :

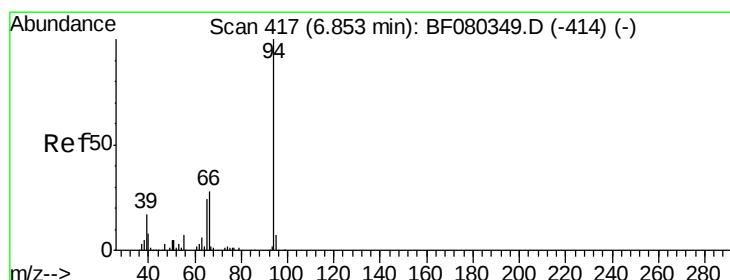
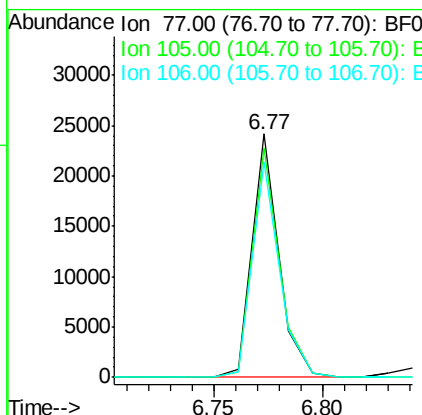
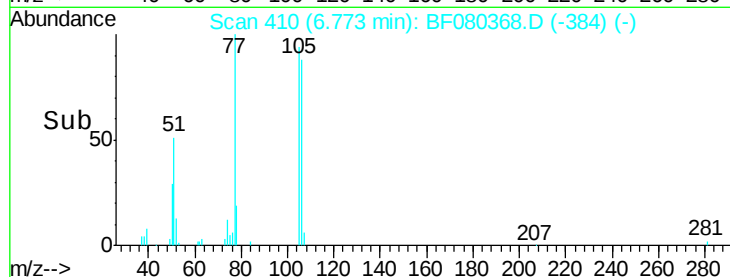
IDOC-03-W-UM



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 77    | Resp: | 20586 |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 105       | 94.2  | 75.2  | 115.2 |
| 106       | 88.5  | 69.9  | 109.9 |

Manual Integrations  
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#10

Phenol

Concen: 43.47 ng

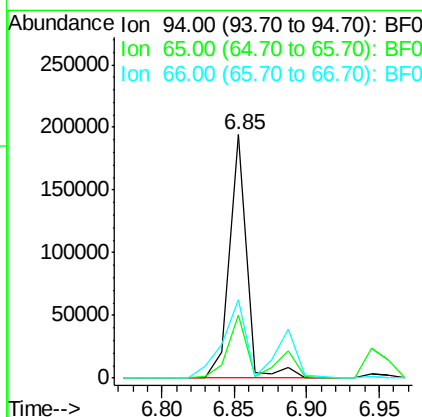
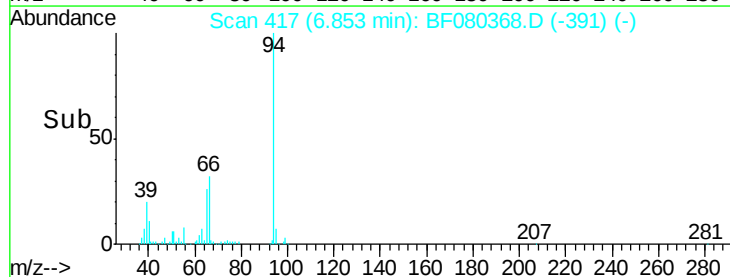
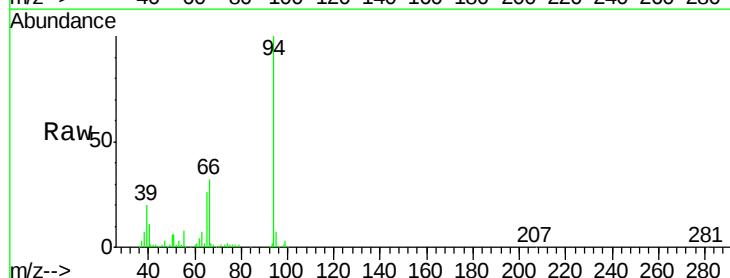
RT: 6.85 min Scan# 417

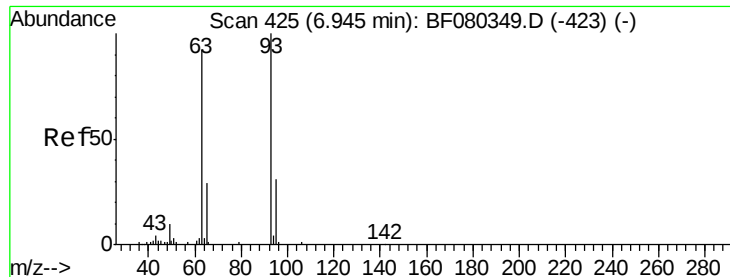
Delta R.T. -0.00 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 159537 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 26.1  | 3.5   | 43.5   |
| 66        | 32.4  | 8.5   | 48.5   |





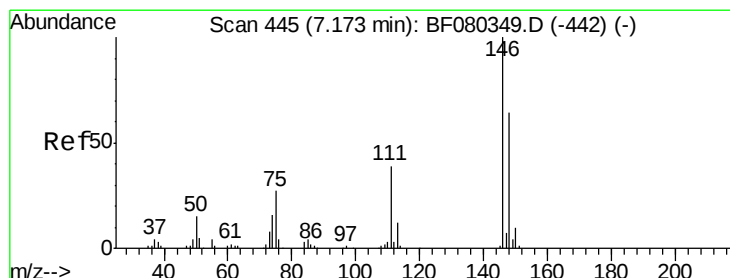
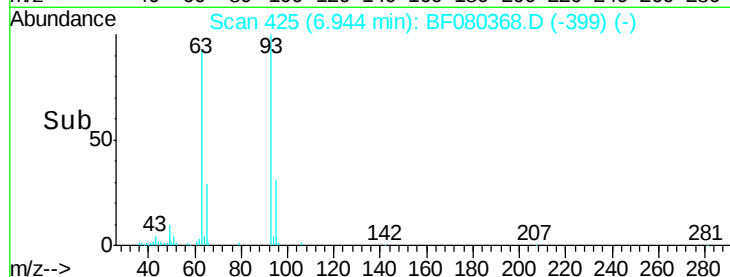
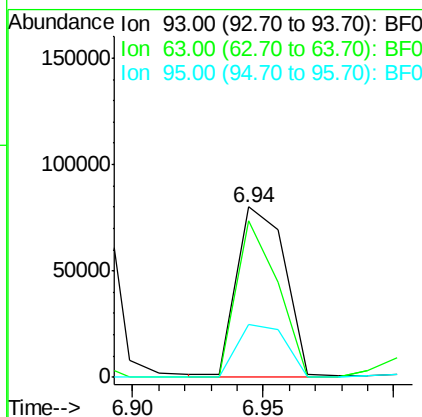
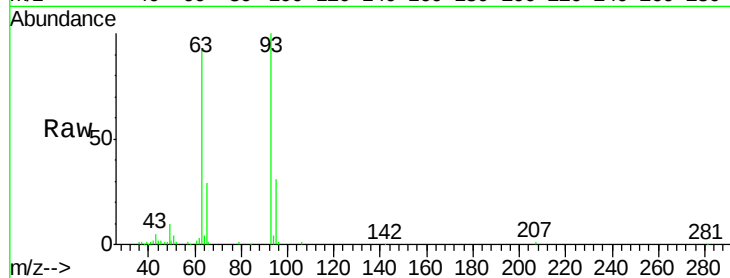
#11  
bis(2-Chloroethyl)ether  
Concen: 37.79 ng  
RT: 6.94 min Scan# 425  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-03-W-UM

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 104622 |       |       |
| 63      | 92.1  | 71.3   | 111.3 |       |
| 95      | 31.3  | 11.3   | 51.3  |       |

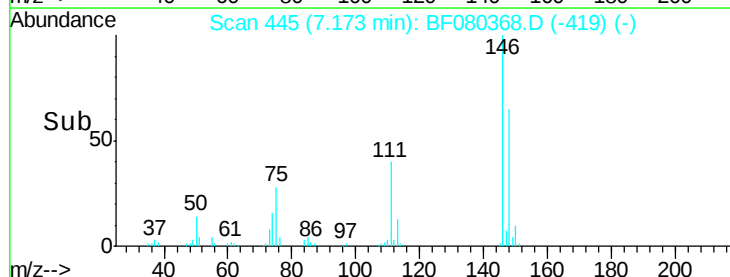
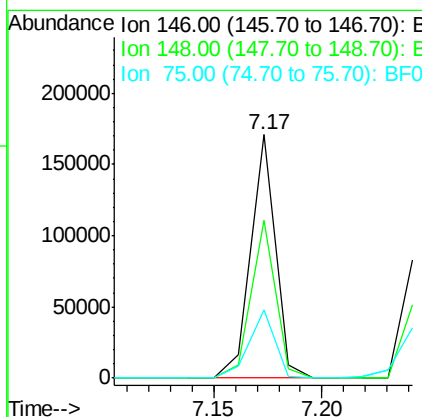
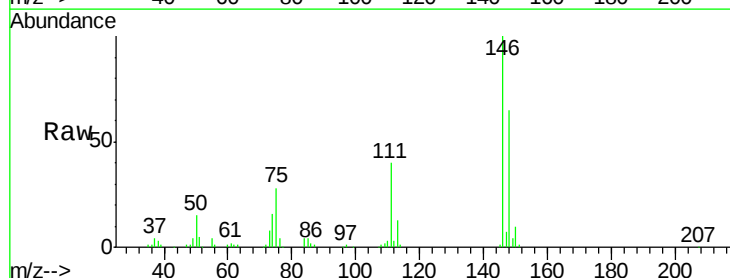
Manual Integrations  
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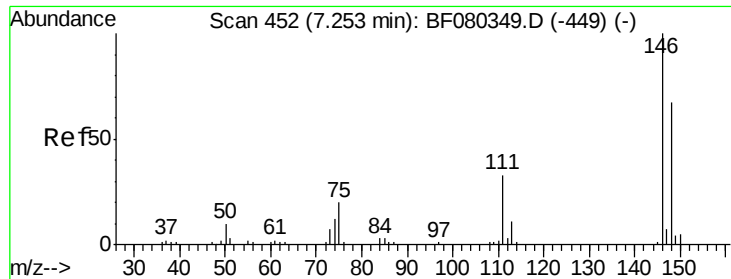
apatel  
7/7/2015 4:26:56 PM



#12  
1,3-Dichlorobenzene  
Concen: 37.11 ng  
RT: 7.17 min Scan# 445  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 134848 |       |       |
| 148     | 64.6  | 51.4   | 77.0  |       |
| 75      | 28.2  | 21.5   | 32.3  |       |





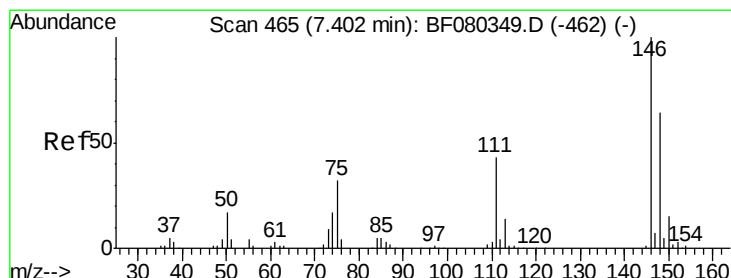
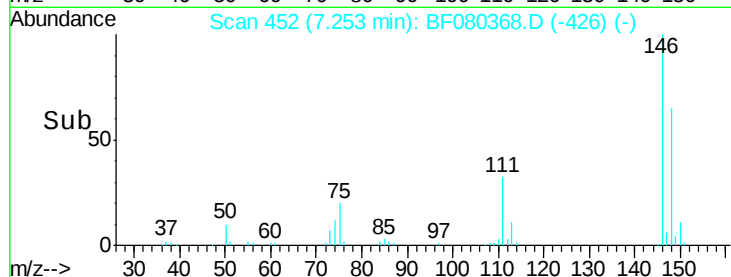
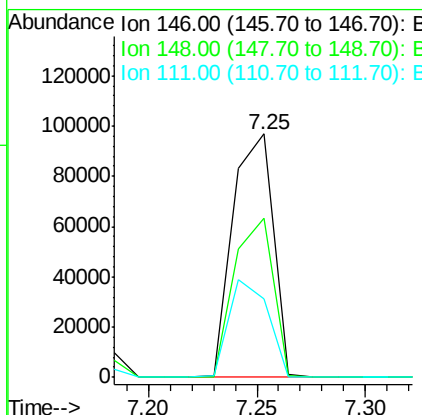
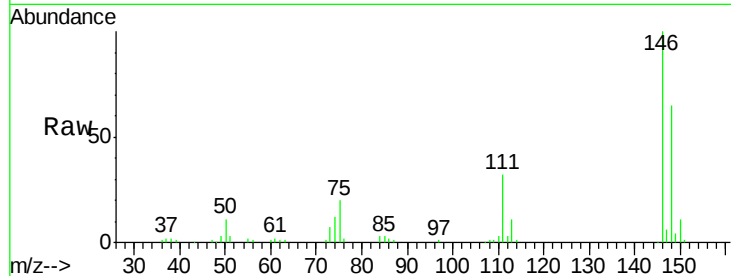
#13  
 1,4-Dichlorobenzene  
 Concen: 36.68 ng  
 RT: 7.25 min Scan# 452  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 124470 |       |       |
| 148     | 65.5  | 53.4   | 80.0  |       |
| 111     | 32.4  | 26.2   | 39.2  |       |

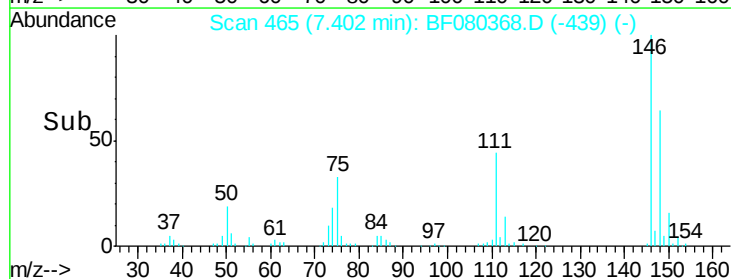
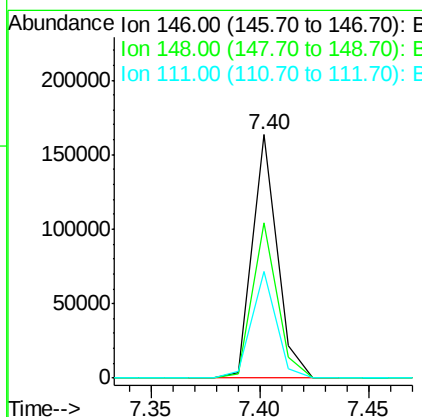
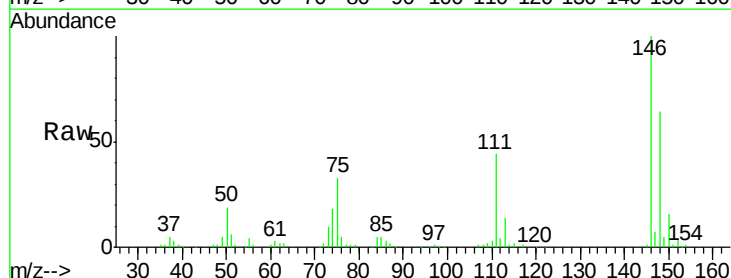
Manual Integrations  
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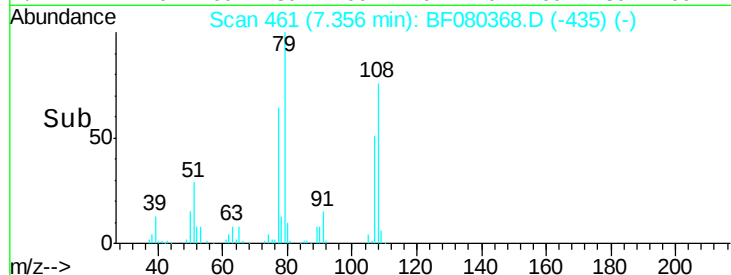
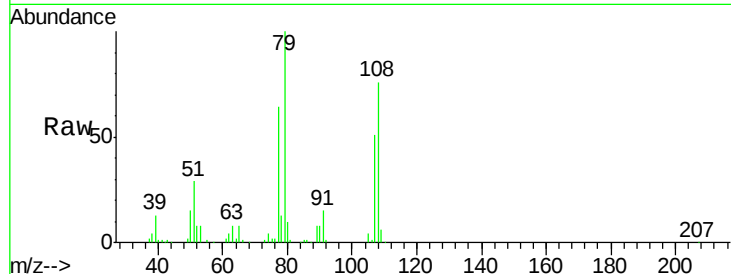
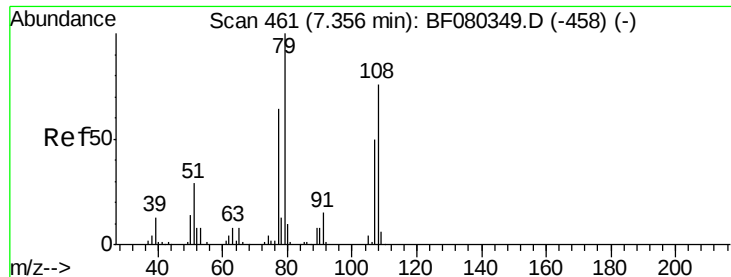
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#14  
 1,2-Dichlorobenzene  
 Concen: 37.66 ng  
 RT: 7.40 min Scan# 465  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 129330 |       |       |
| 148     | 63.6  | 51.3   | 76.9  |       |
| 111     | 43.9  | 34.6   | 52.0  |       |





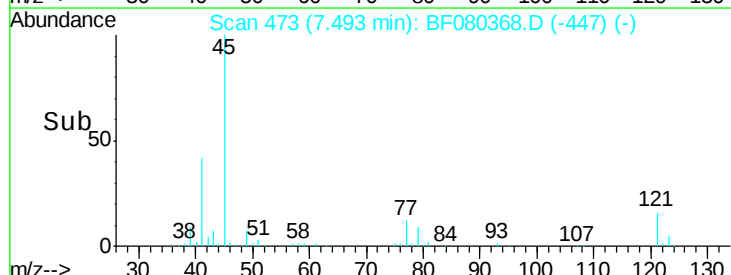
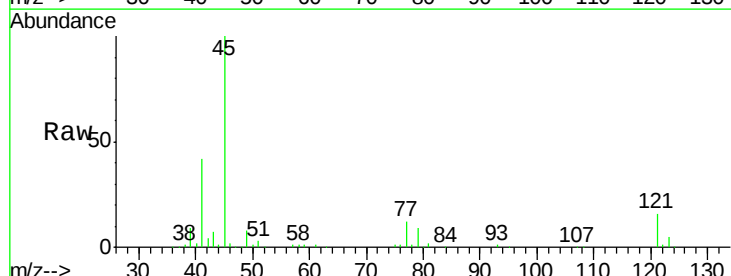
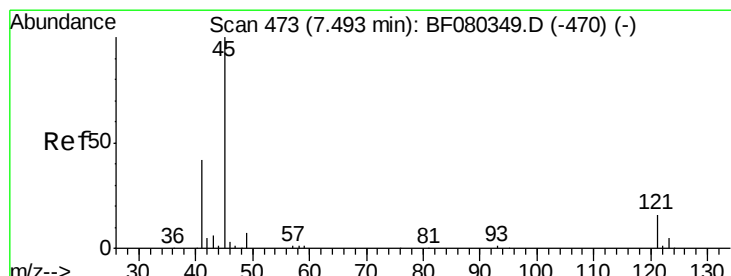
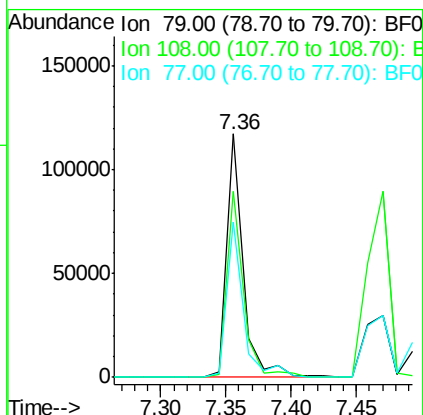
#15  
Benzyl Alcohol  
Concen: 39.54 ng  
RT: 7.36 min Scan# 461  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 79    | Resp: | 103583 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 76.5  | 60.6  | 90.8   |
| 77        | 63.8  | 50.8  | 76.2   |

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-03-W-UM

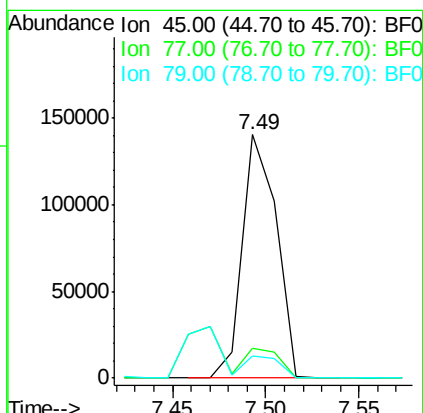
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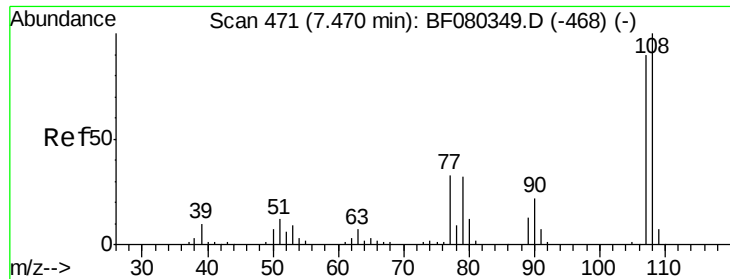
apatel  
7/7/2015 4:26:56 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.57 ng  
RT: 7.49 min Scan# 473  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

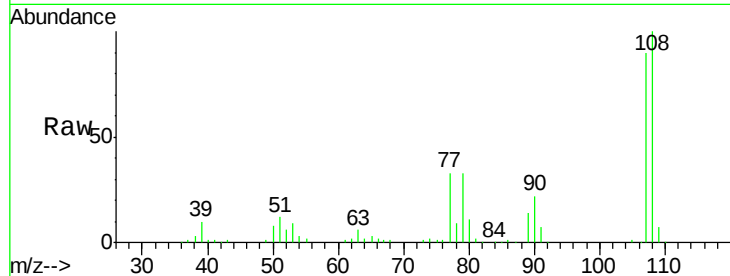
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 177162 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 12.1  | 0.0   | 31.9   |
| 79        | 9.0   | 0.0   | 29.7   |





#17  
2-Methylphenol  
Concen: 38.78 ng  
RT: 7.47 min Scan# 471  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

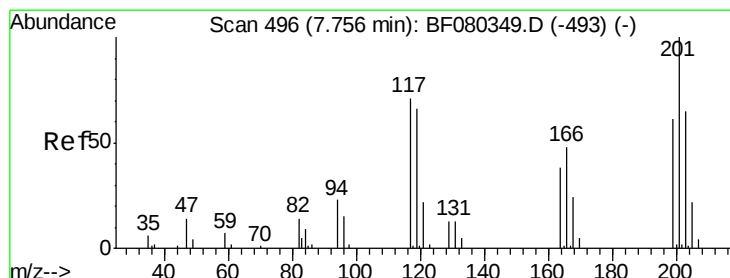
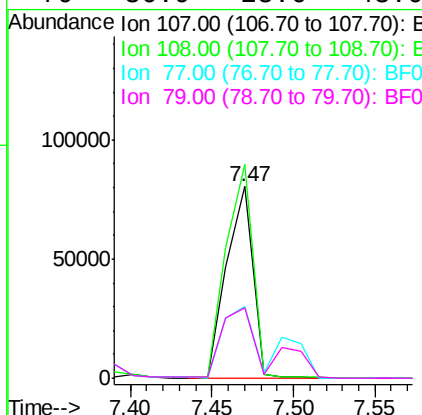
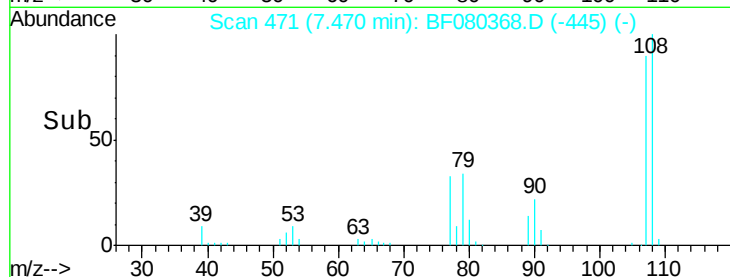
Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-03-W-UM



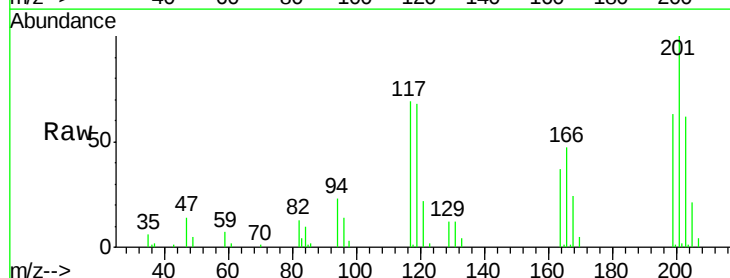
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 88968 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 111.4 | 89.3  | 133.9 |
| 77        | 37.2  | 29.5  | 44.3  |
| 79        | 36.9  | 28.6  | 43.0  |

Manual Integrations  
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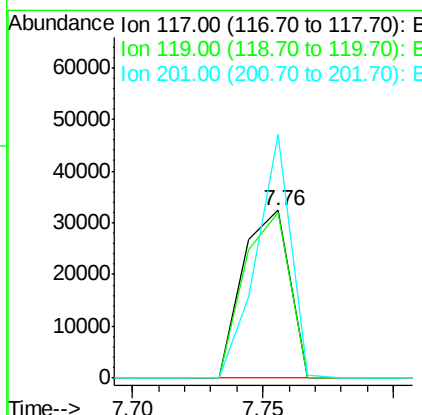
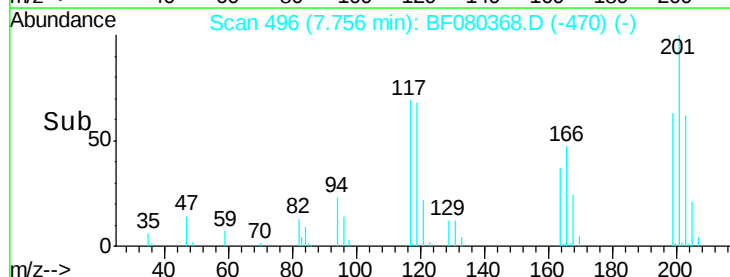
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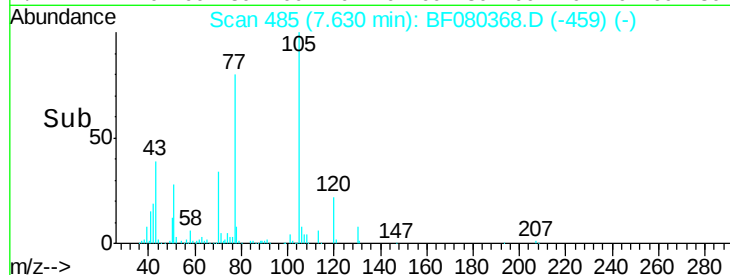
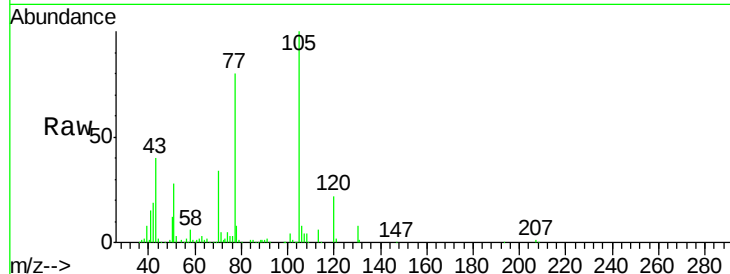
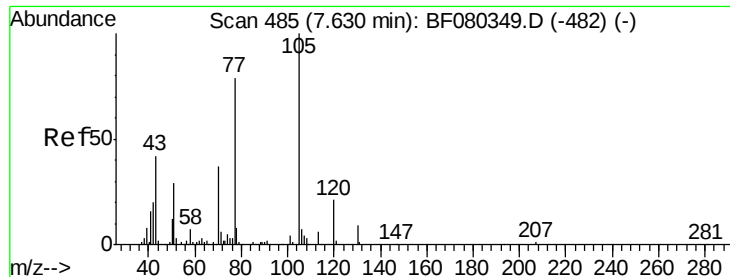


#18  
Hexachloroethane  
Concen: 37.22 ng  
RT: 7.76 min Scan# 496  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 40577 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 98.4  | 74.2  | 111.4 |
| 201       | 145.0 | 112.4 | 168.6 |





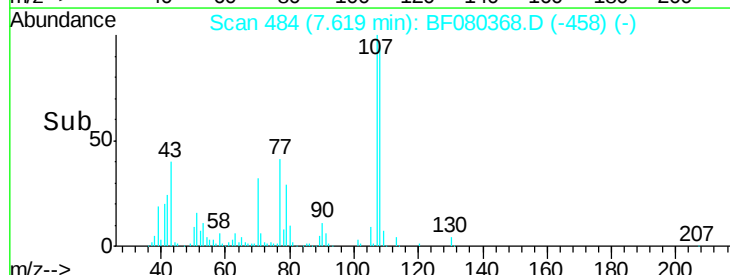
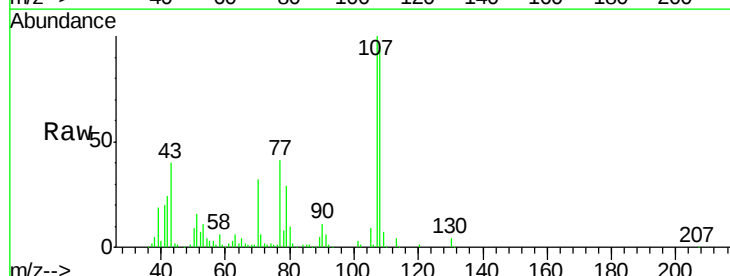
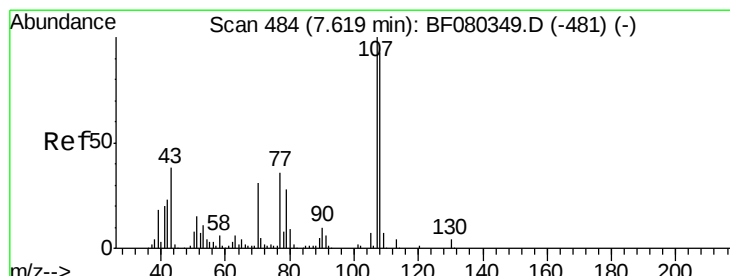
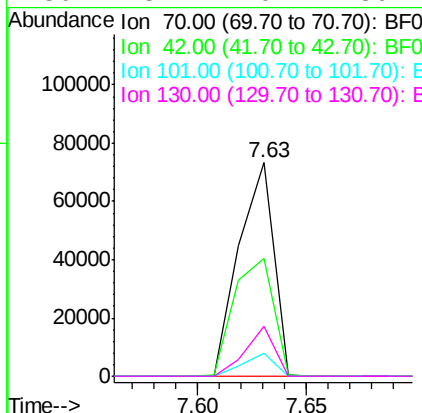
#19  
n-Nitroso-di-n-propylamine  
Concen: 37.14 ng  
RT: 7.63 min Scan# 485  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-03-W-UM

Manual Integrations  
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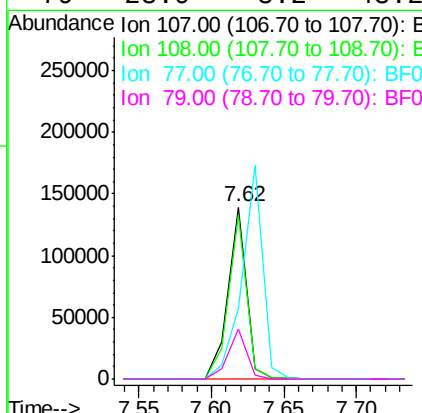
apatel  
7/7/2015 4:26:56 PM

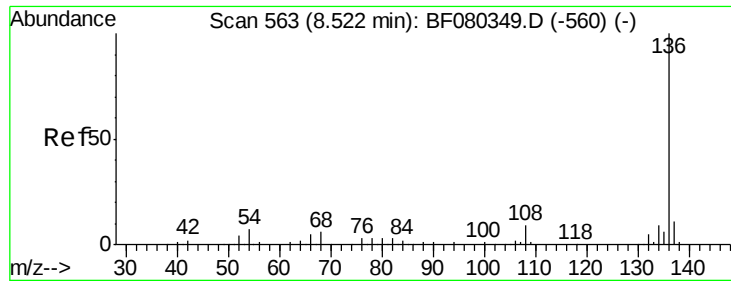
| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 70      | 100  |       | 81555 |       |       |
| 42      | 54.9 | 43.0  | 64.6  |       |       |
| 101     | 10.9 | 8.3   | 12.5  |       |       |
| 130     | 23.7 | 20.2  | 30.2  |       |       |



#20  
3+4-Methylphenols  
Concen: 38.70 ng  
RT: 7.62 min Scan# 484  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 123735 |       |       |
| 108     | 95.2 | 73.4  | 113.4  |       |       |
| 77      | 40.9 | 16.4  | 56.4   |       |       |
| 79      | 28.9 | 8.2   | 48.2   |       |       |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.52 min Scan# 563

Delta R.T. -0.00 min

Lab File: BF080368.D

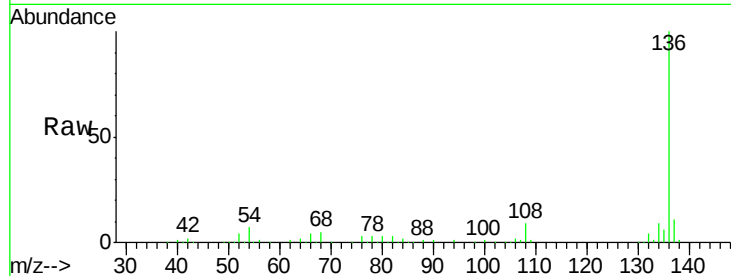
Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

ClientSampleId :

IDOC-03-W-UM



Tgt Ion:136 Resp: 184743

Ion Ratio Lower Upper

136 100

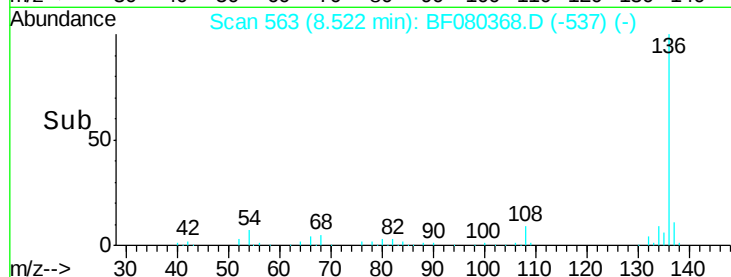
137 10.8 8.5 12.7

54 7.3 5.8 8.8

68 5.4 4.6 6.8

Manual Integrations  
APPROVED

apatel  
7/7/2015 4:26:56 PM

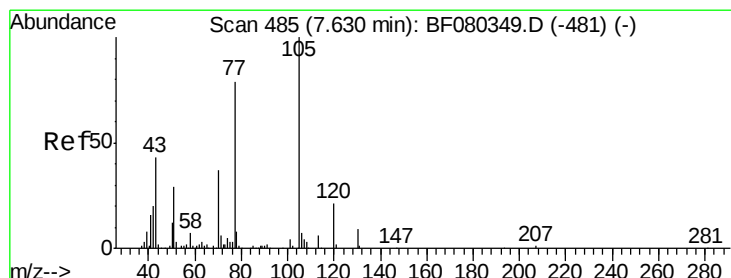
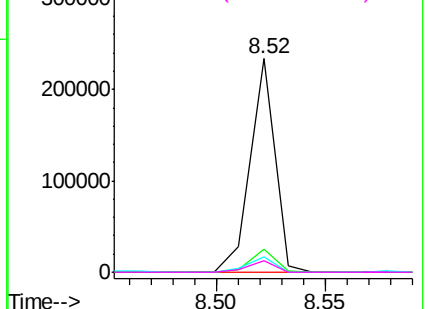


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 39.65 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

Tgt Ion:105 Resp: 169009

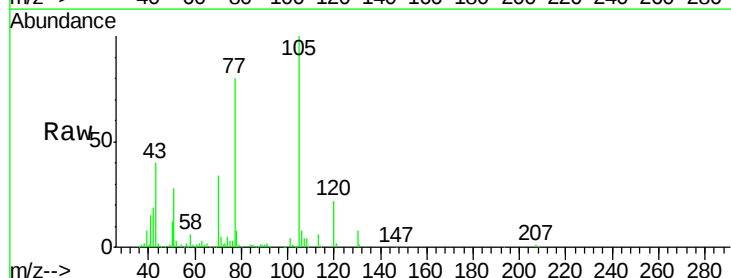
Ion Ratio Lower Upper

105 100

71 5.4 5.0 7.6

51 28.4 23.2 34.8

120 21.5 17.0 25.4

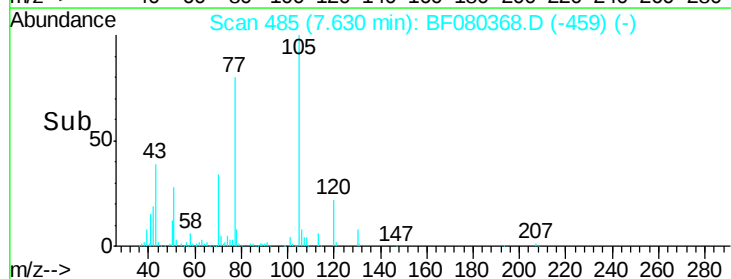
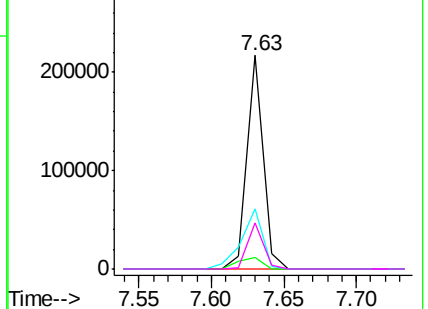


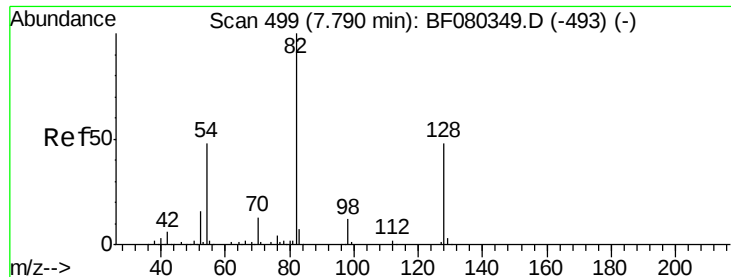
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





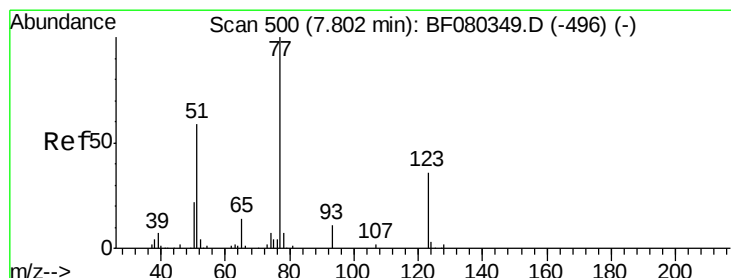
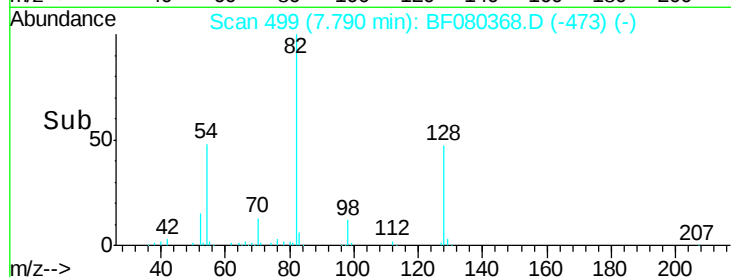
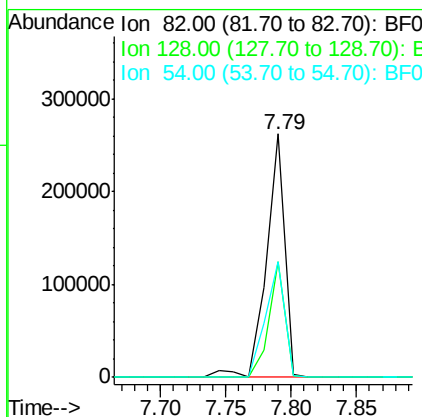
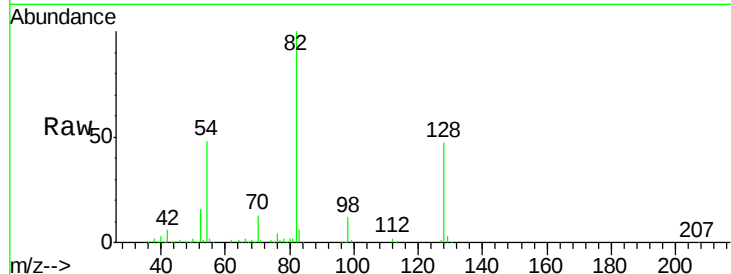
#23  
 Nitrobenzene-d5  
 Concen: 81.53 ng  
 RT: 7.79 min Scan# 499  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 47.3  | 38.4  | 57.6  |
| 54      | 47.5  | 38.2  | 57.2  |

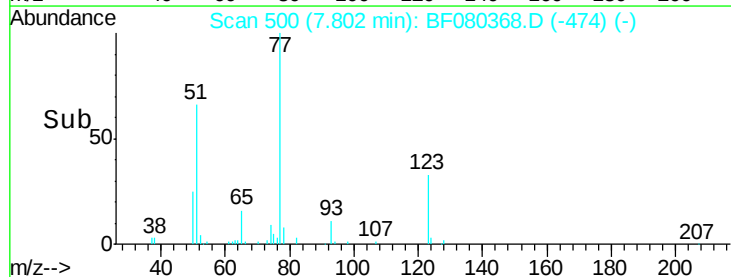
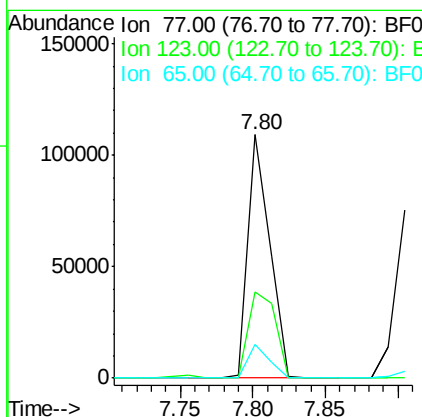
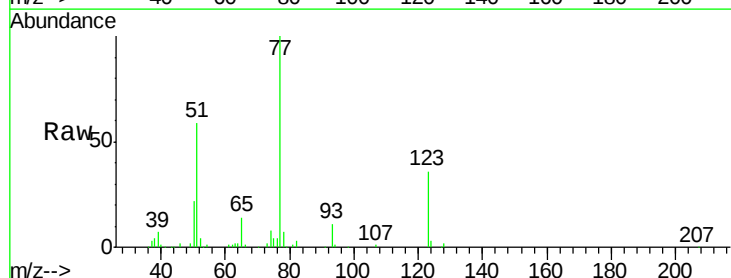
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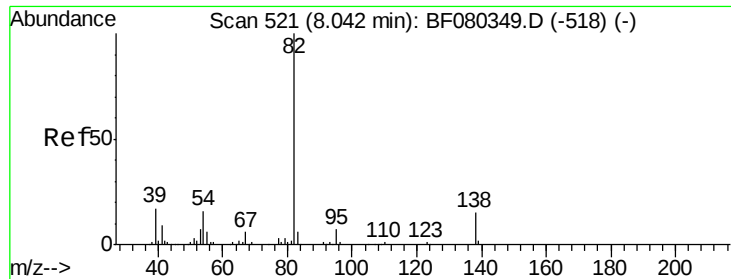
apatel  
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#24  
 Nitrobenzene  
 Concen: 35.86 ng  
 RT: 7.80 min Scan# 500  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 35.5  | 29.6  | 44.4  |
| 65      | 13.6  | 11.1  | 16.7  |





#25

Isophorone

Concen: 36.34 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF080368.D

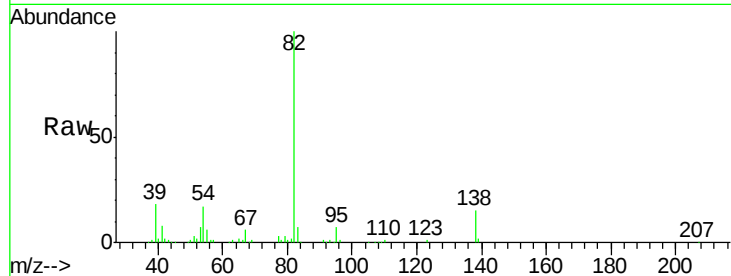
Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

ClientSampleId :

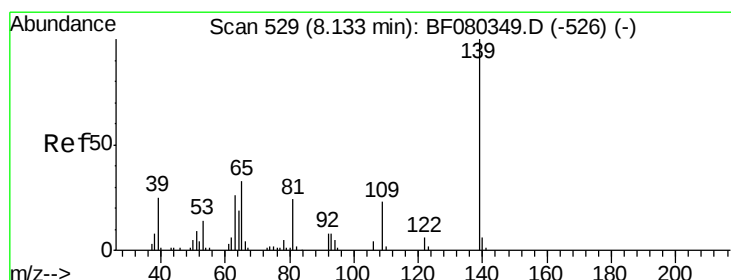
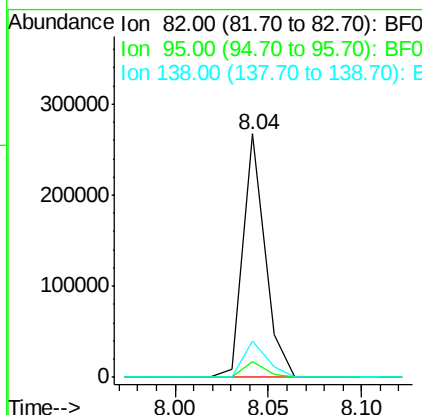
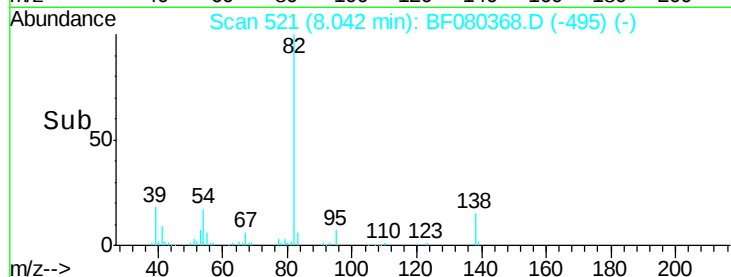
IDOC-03-W-UM



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 221543 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.5   | 5.2   | 7.8    |
| 138       | 15.1  | 12.0  | 18.0   |

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#26

2-Nitrophenol

Concen: 38.84 ng

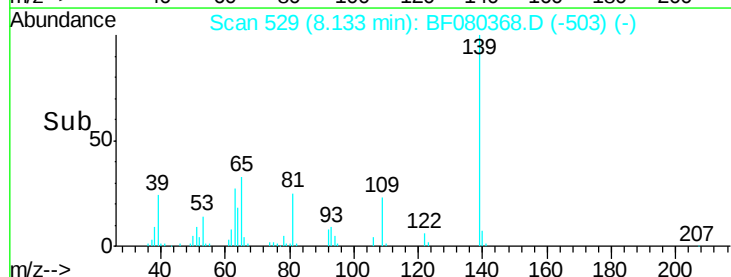
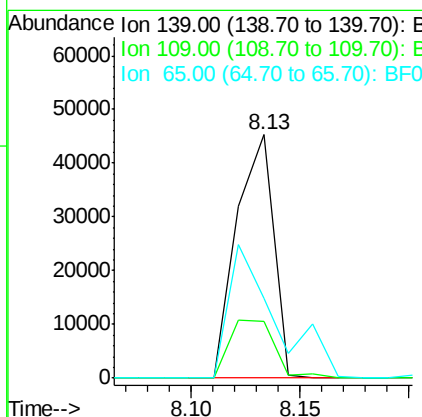
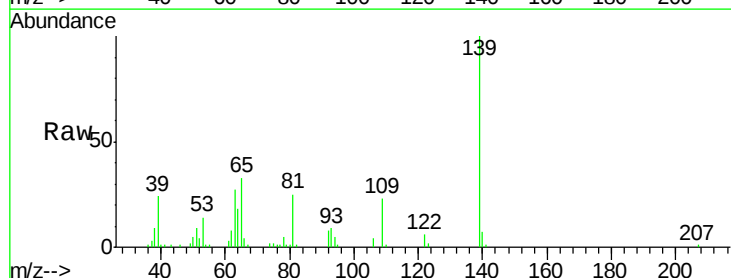
RT: 8.13 min Scan# 529

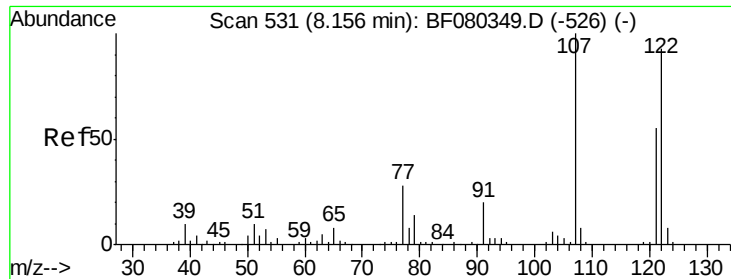
Delta R.T. -0.00 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 53481 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 23.2  | 18.4  | 27.6  |
| 65        | 32.5  | 26.7  | 40.1  |





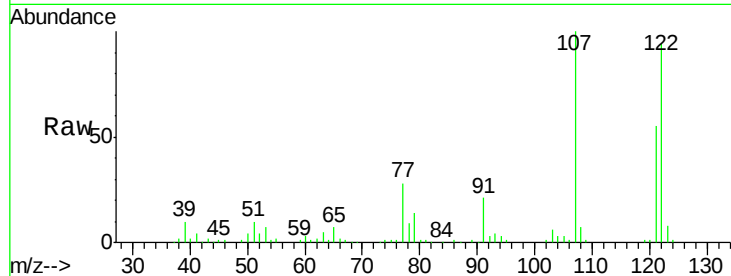
#27  
 2,4-Dimethylphenol  
 Concen: 40.33 ng  
 RT: 8.16 min Scan# 531  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

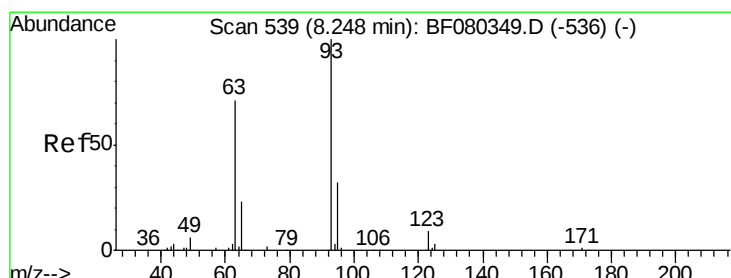
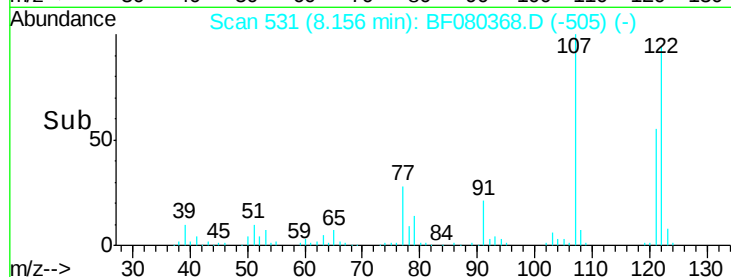
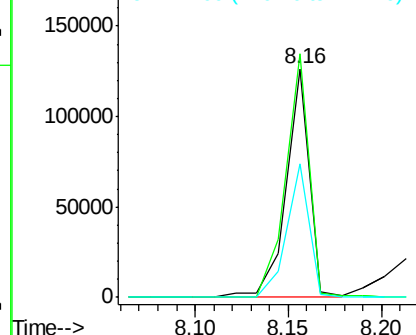
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 109267 |       |       |
| 107     | 106.5 | 85.8   | 128.6 |       |
| 121     | 58.3  | 46.9   | 70.3  |       |

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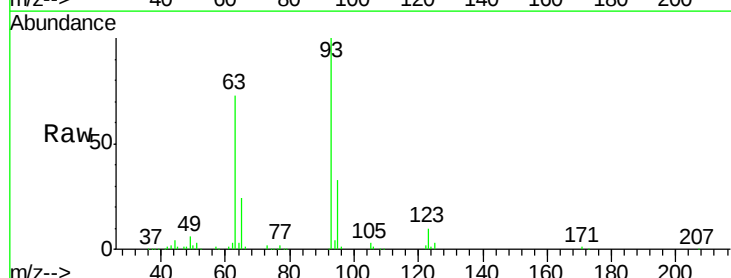


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

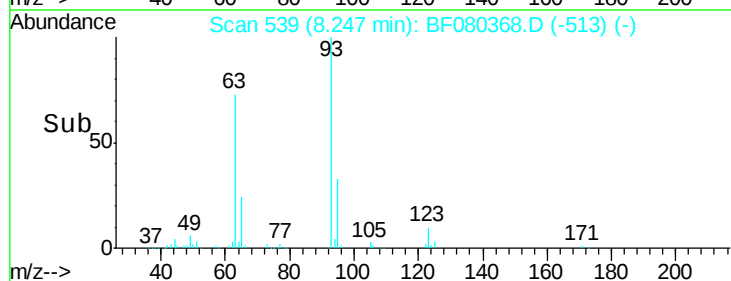
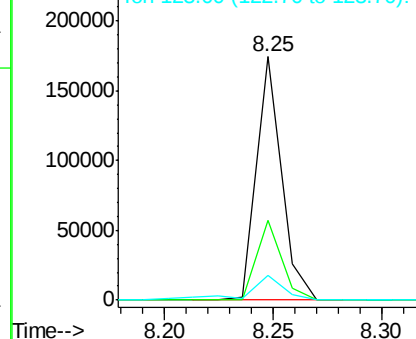


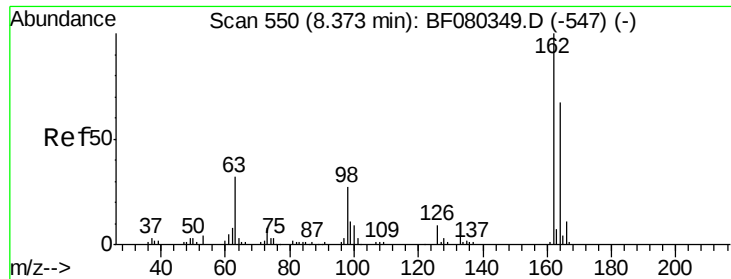
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 36.78 ng  
 RT: 8.25 min Scan# 539  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 139252 |       |       |
| 95      | 32.7  | 25.3   | 37.9  |       |
| 123     | 10.2  | 7.8    | 11.6  |       |



Abundance Ion 93.00 (92.70 to 93.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 123.00 (122.70 to 123.70): E





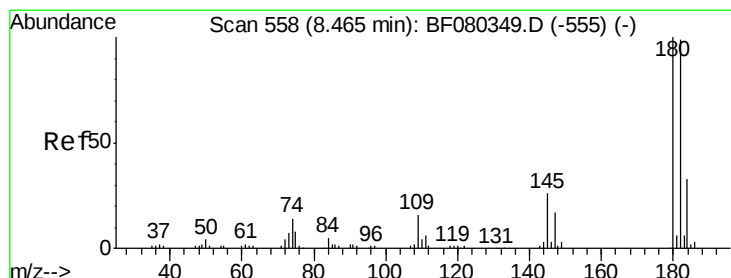
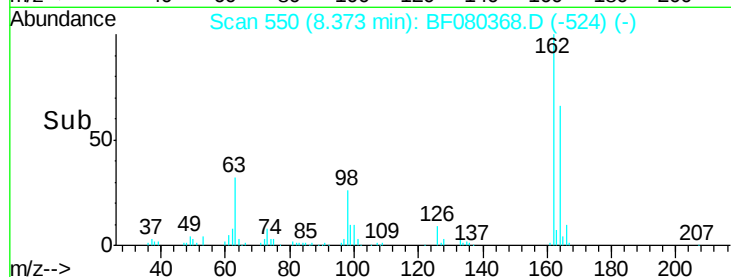
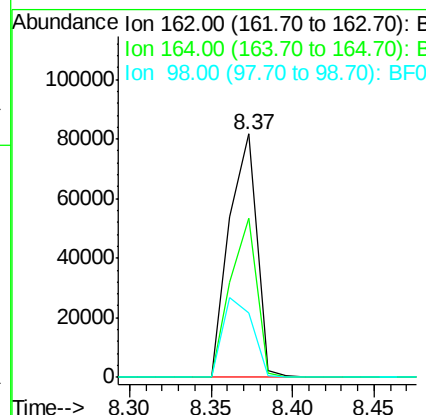
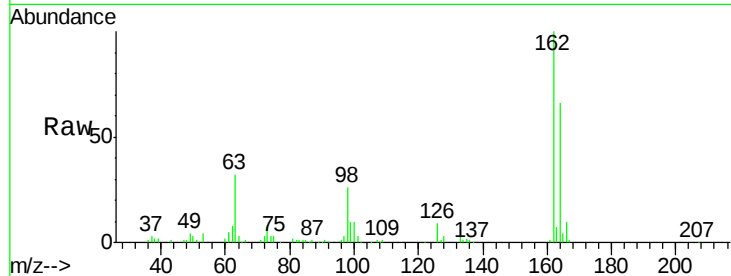
#29  
 2,4-Dichlorophenol  
 Concen: 39.54 ng  
 RT: 8.37 min Scan# 550  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 162     | 100   | 95101 |       |       |
| 164     | 65.5  | 47.0  | 87.0  |       |
| 98      | 26.3  | 6.6   | 46.6  |       |

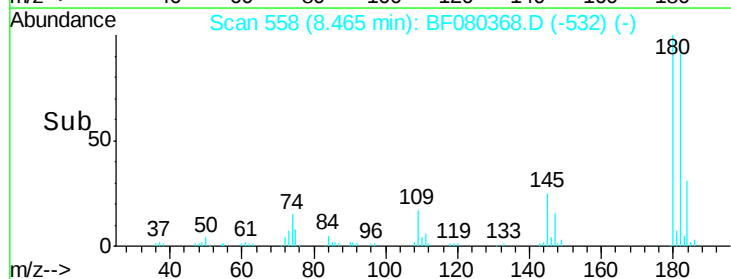
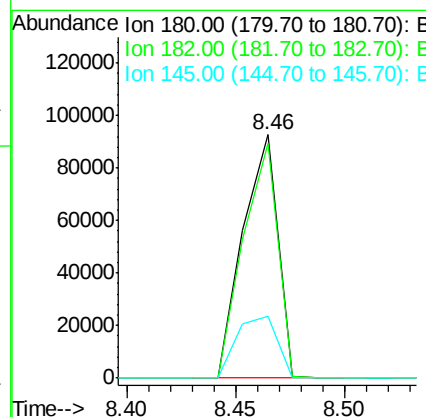
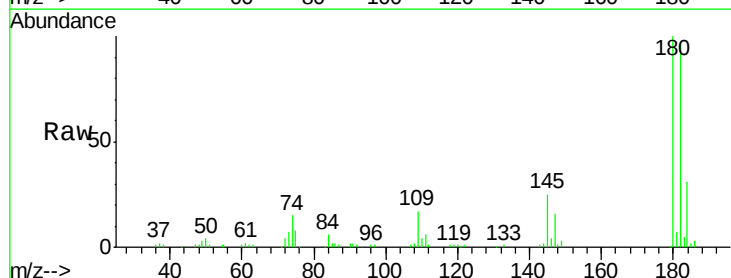
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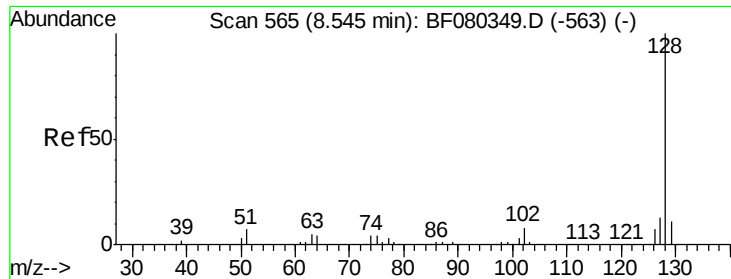
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 35.86 ng  
 RT: 8.46 min Scan# 558  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 102520 |       |       |
| 182     | 96.6  | 79.0   | 118.4 |       |
| 145     | 25.5  | 20.5   | 30.7  |       |





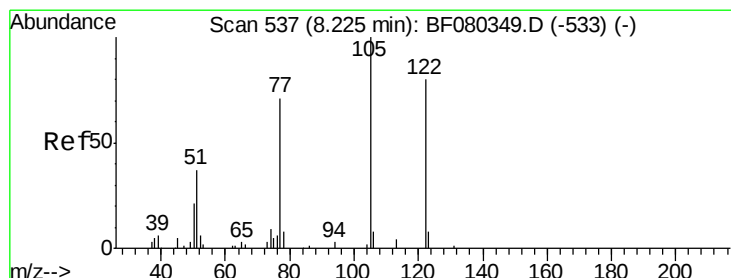
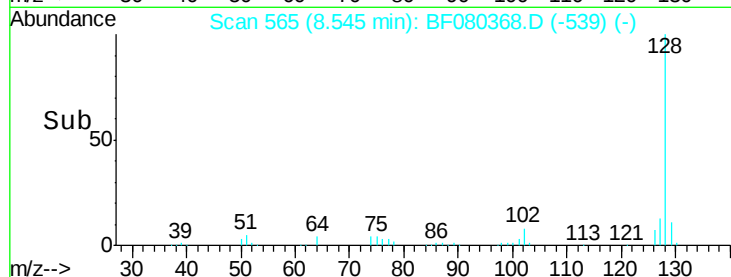
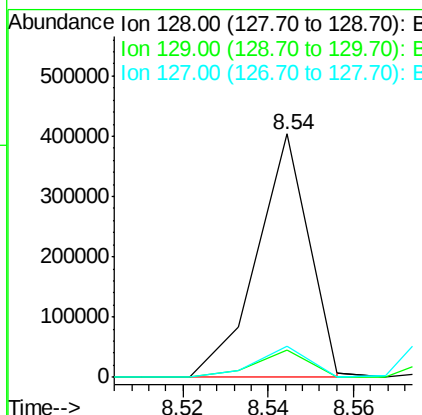
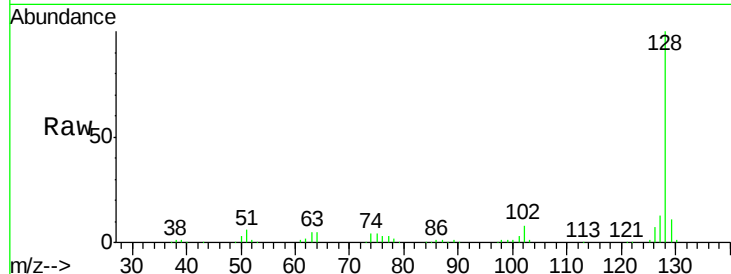
#31  
Naphthalene  
Concen: 35.71 ng m  
RT: 8.54 min Scan# 565  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-03-W-UM

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 338371 |       |       |
| 129     | 11.0  | 8.8    | 13.2  |       |
| 127     | 13.0  | 10.4   | 15.6  |       |

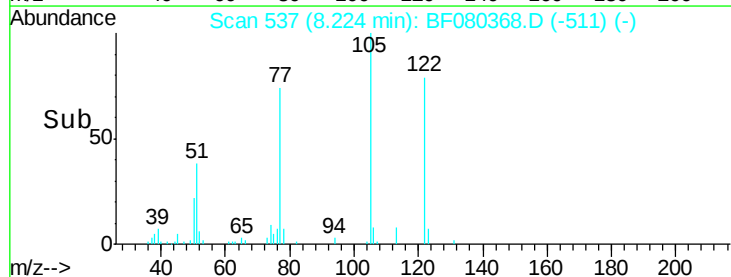
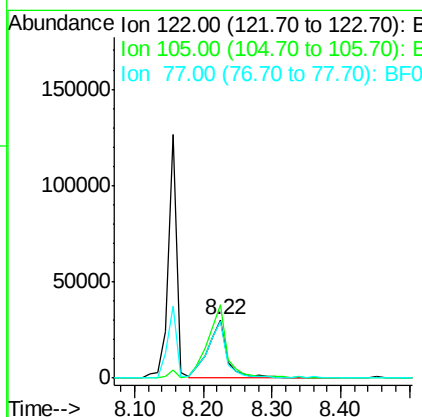
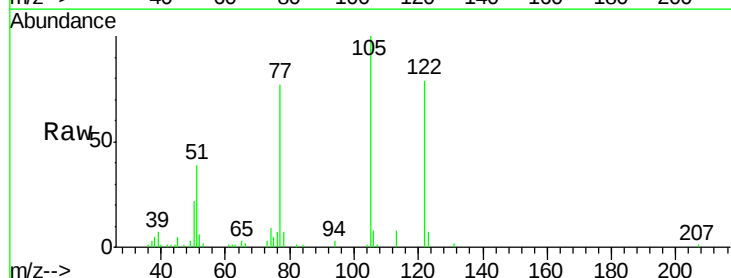
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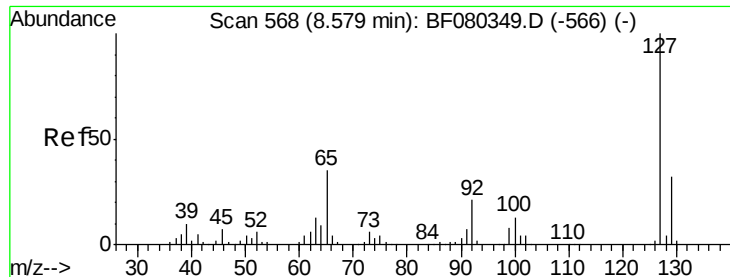
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#32  
Benzoic acid  
Concen: 43.44 ng  
RT: 8.22 min Scan# 537  
Delta R.T. 0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 61020 |       |       |
| 105     | 126.3 | 102.2 | 142.2 |       |
| 77      | 97.3  | 68.8  | 108.8 |       |





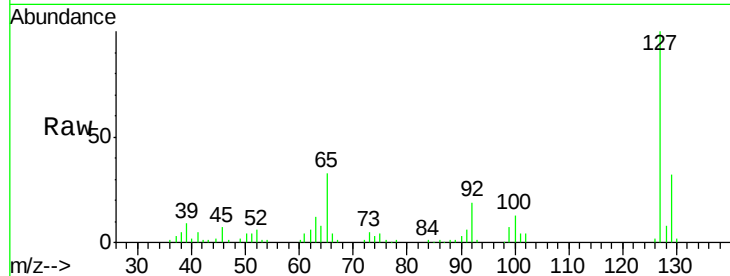
#33  
4-Chloroaniline  
Concen: 20.66 ng  
RT: 8.58 min Scan# 568  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-03-W-UM

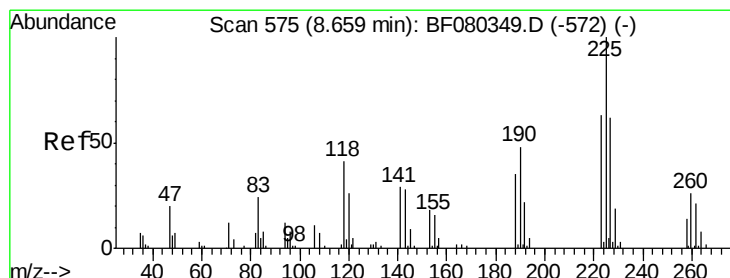
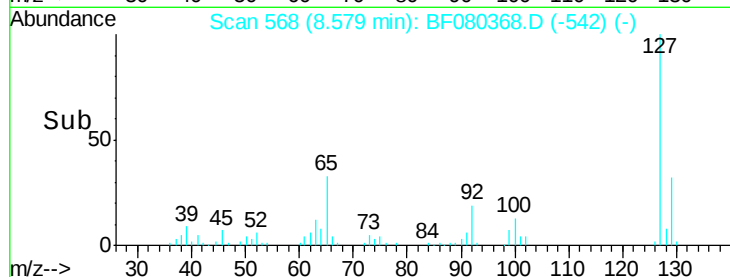
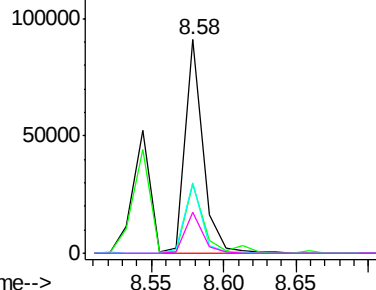
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 127     | 100   | 78052 |       |       |
| 129     | 32.4  | 26.2  | 39.2  |       |
| 65      | 32.8  | 28.1  | 42.1  |       |
| 92      | 19.4  | 16.6  | 24.8  |       |

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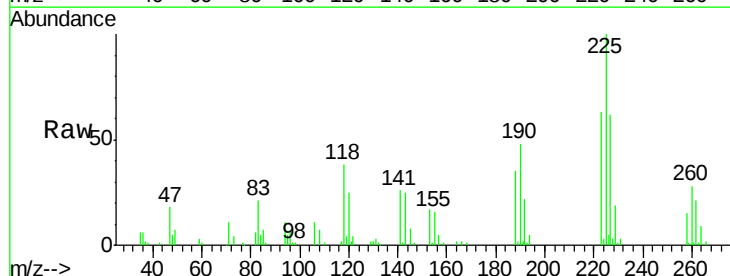


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

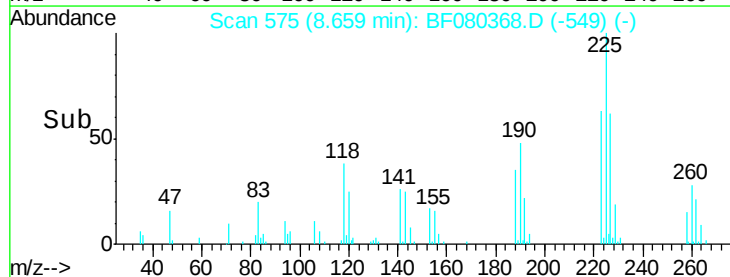
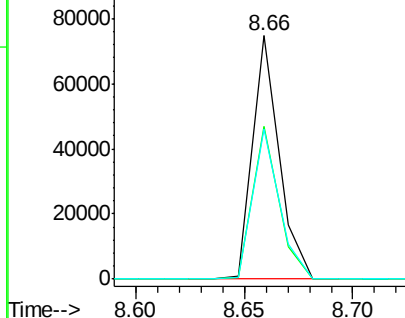


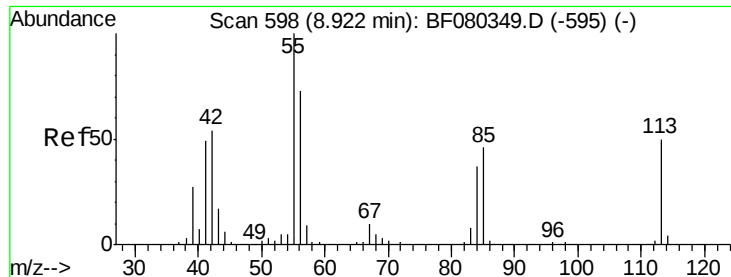
#34  
Hexachlorobutadiene  
Concen: 36.46 ng  
RT: 8.66 min Scan# 575  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 63410 |       |       |
| 223     | 62.7  | 50.3  | 75.5  |       |
| 227     | 61.9  | 49.4  | 74.2  |       |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





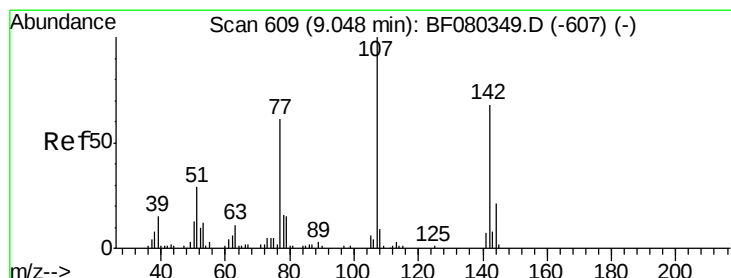
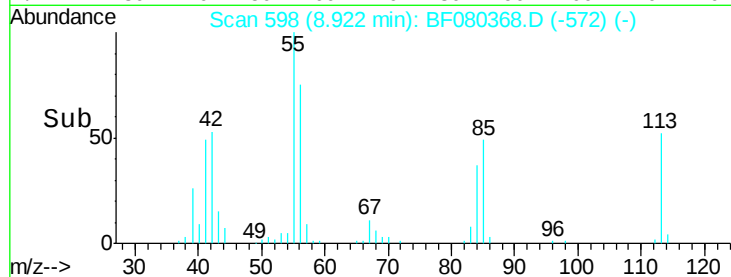
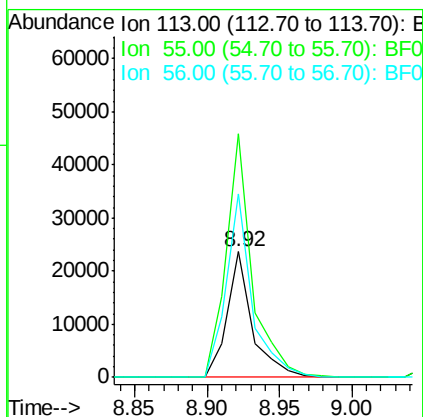
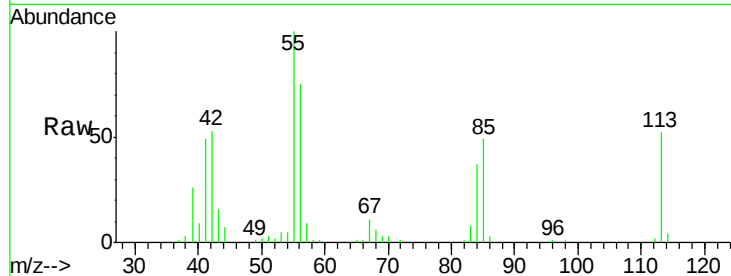
#35  
 Caprolactam  
 Concen: 38.28 ng  
 RT: 8.92 min Scan# 598  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 193.9 | 181.4 | 221.4 |
| 56      | 145.8 | 127.3 | 167.3 |

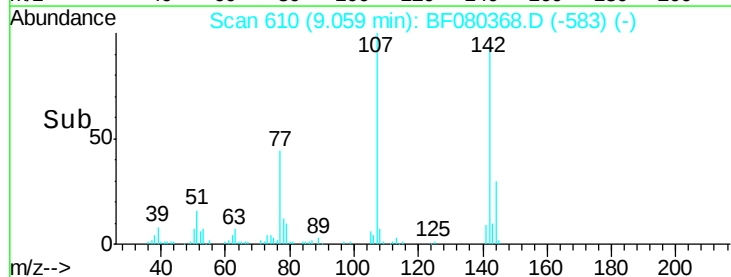
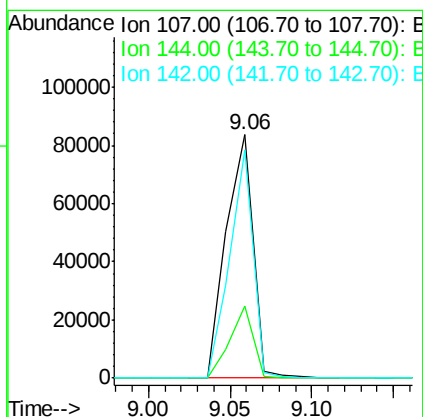
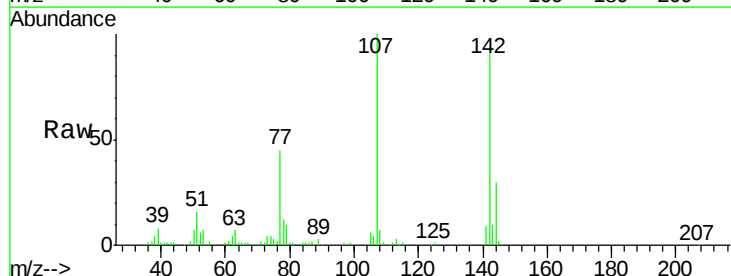
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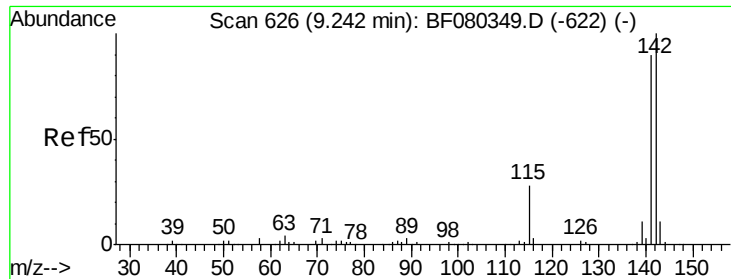
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#36  
 4-Chloro-3-methylphenol  
 Concen: 37.94 ng  
 RT: 9.06 min Scan# 610  
 Delta R.T. 0.01 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 29.6  | 16.7  | 25.1# |
| 142     | 93.7  | 54.4  | 81.6# |





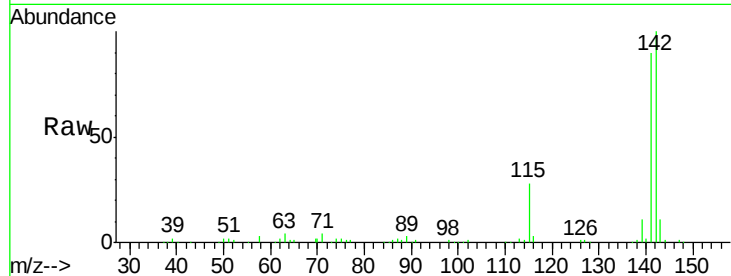
#37  
2-Methylnaphthalene  
Concen: 37.49 ng  
RT: 9.24 min Scan# 626  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-03-W-UM

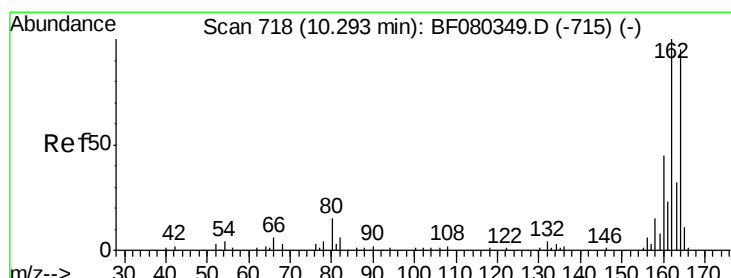
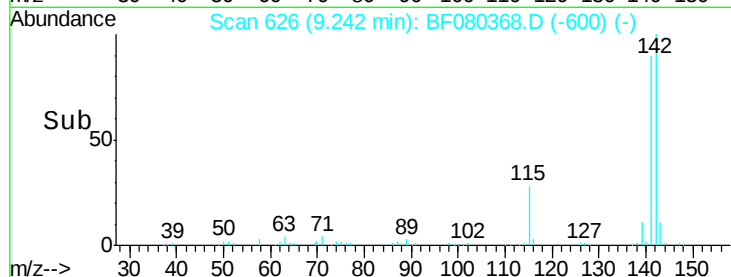
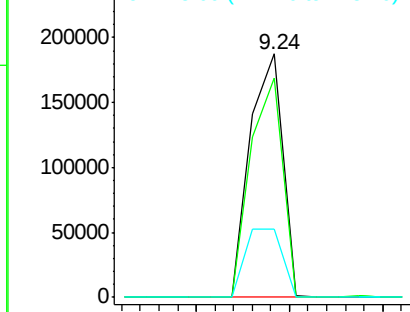
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.0  | 71.8  | 107.8 |
| 115     | 27.9  | 22.6  | 34.0  |

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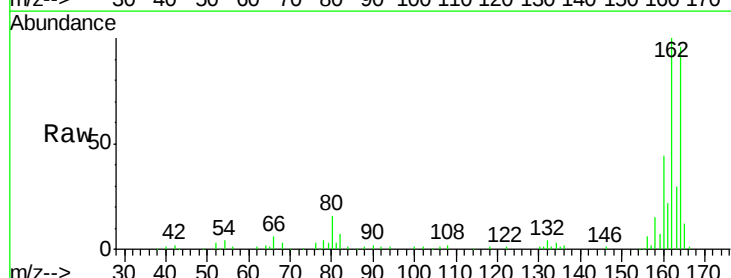


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

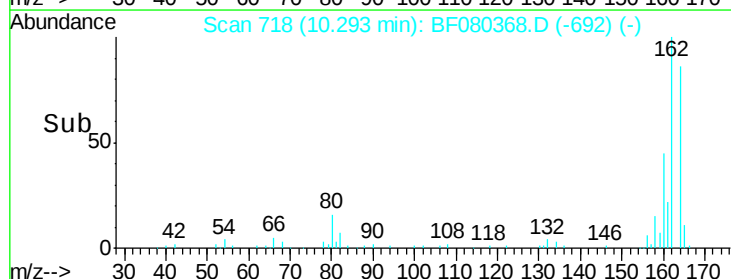
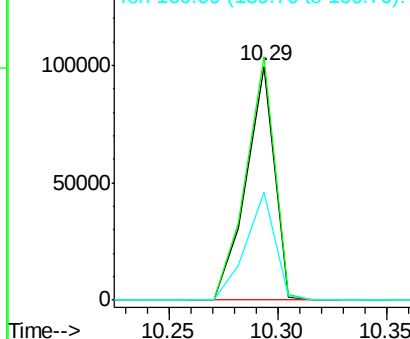


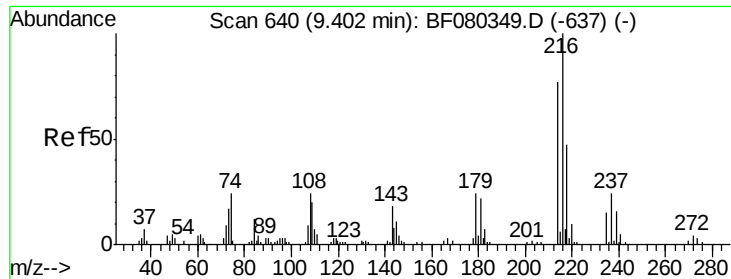
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.29 min Scan# 718  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.2 | 84.5  | 126.7 |
| 160     | 46.1  | 37.7  | 56.5  |



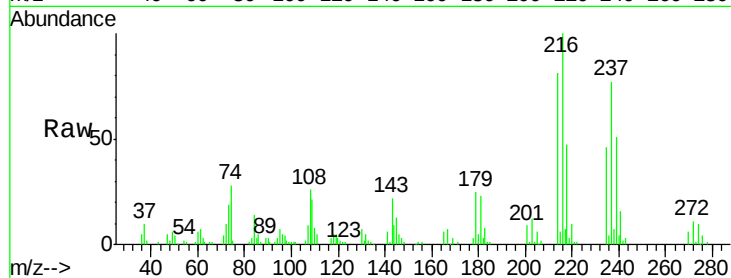
Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E





#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 34.58 ng  
 RT: 9.40 min Scan# 640  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

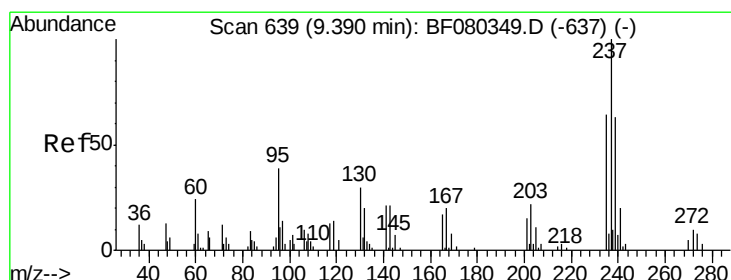
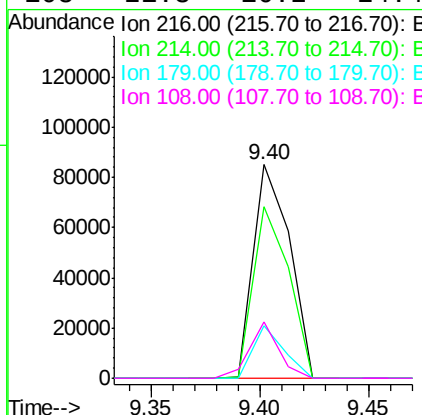
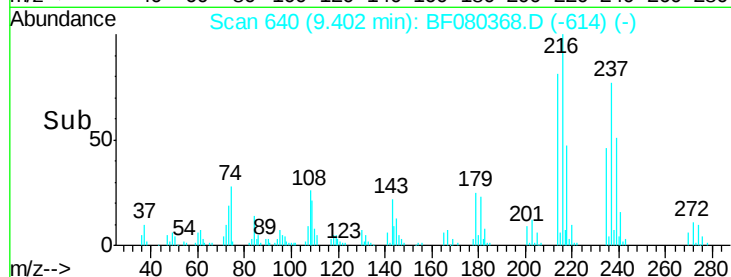
Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM



| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 216     | 216 | 100   | 98968 |       |       |
| 214     | 214 | 78.6  | 61.2  | 91.8  |       |
| 179     | 179 | 20.9  | 16.9  | 25.3  |       |
| 108     | 108 | 21.3  | 16.2  | 24.4  |       |

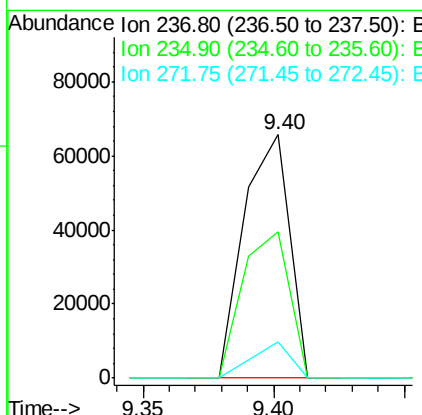
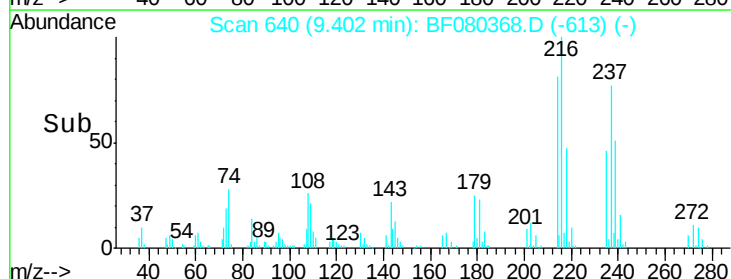
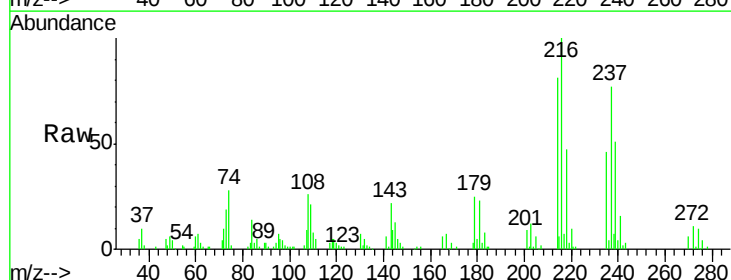
Manual Integrations  
 APPROVED

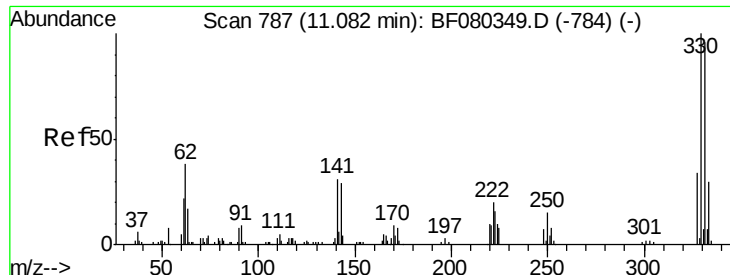
apatel  
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#40  
 Hexachlorocyclopentadiene  
 Concen: 68.65 ng  
 RT: 9.40 min Scan# 640  
 Delta R.T. 0.01 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 237     | 237 | 100   | 80365 |       |       |
| 235     | 235 | 60.2  | 44.2  | 84.2  |       |
| 272     | 272 | 14.7  | 0.0   | 29.7  |       |





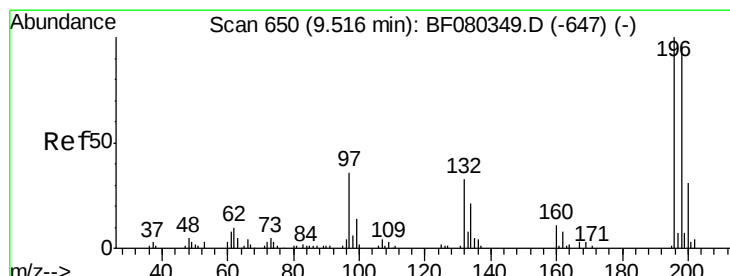
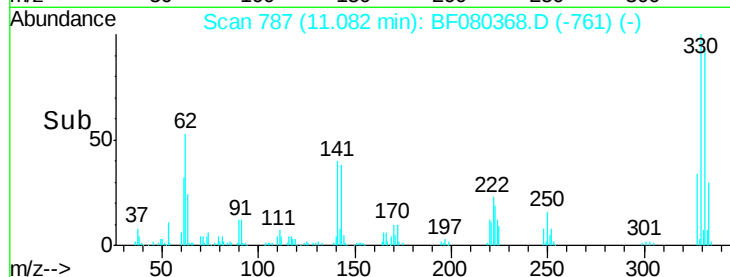
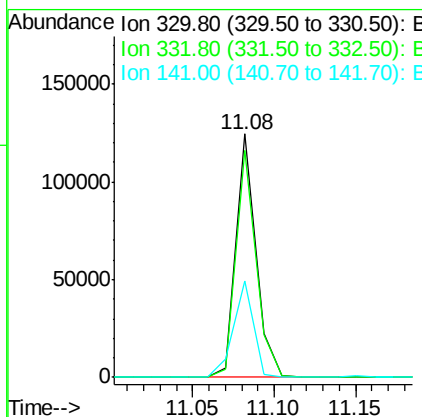
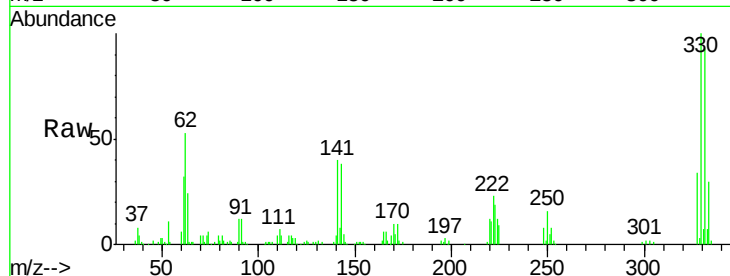
#41  
 2,4,6-Tribromophenol  
 Concen: 111.07 ng  
 RT: 11.08 min Scan# 787  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 104941 |       |       |
| 332     | 93.8  | 77.0   | 115.4 |       |
| 141     | 39.7  | 29.6   | 44.4  |       |

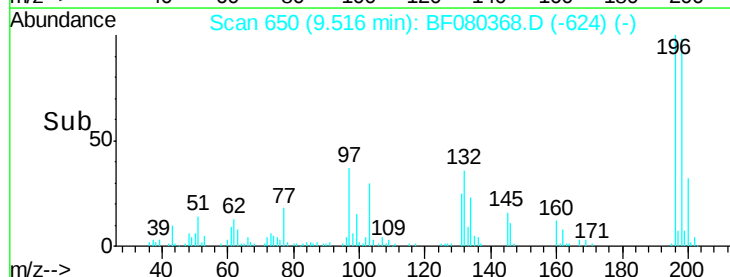
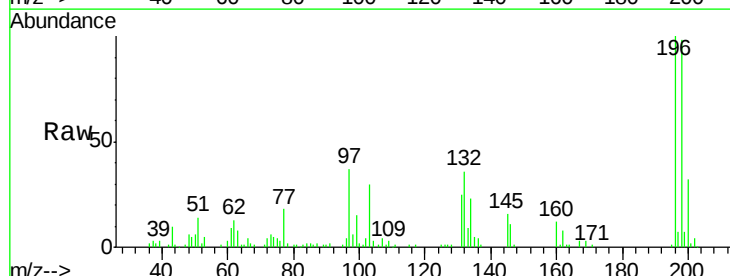
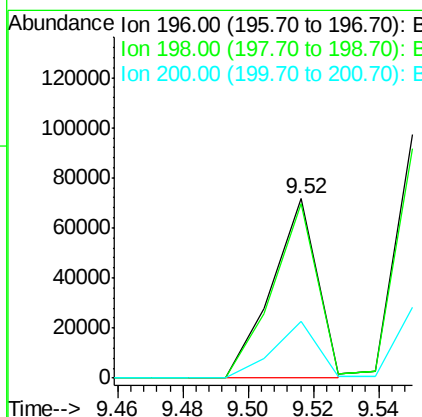
Manual Integrations  
 APPROVED

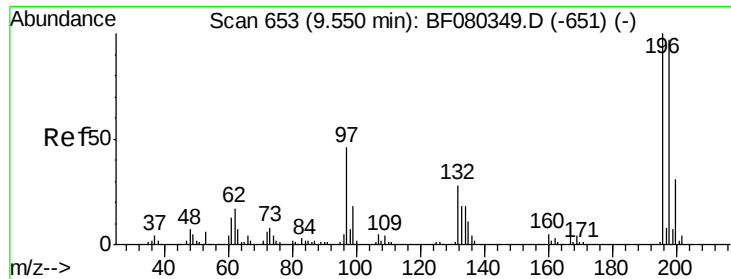
apatel  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 36.72 ng  
 RT: 9.52 min Scan# 650  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

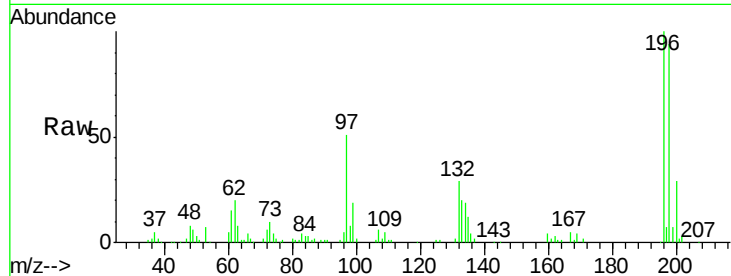
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 69228 |       |       |
| 198     | 97.8  | 76.4  | 114.6 |       |
| 200     | 31.9  | 24.6  | 37.0  |       |





#43  
 2,4,5-Trichlorophenol  
 Concen: 36.16 ng  
 RT: 9.55 min Scan# 653  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

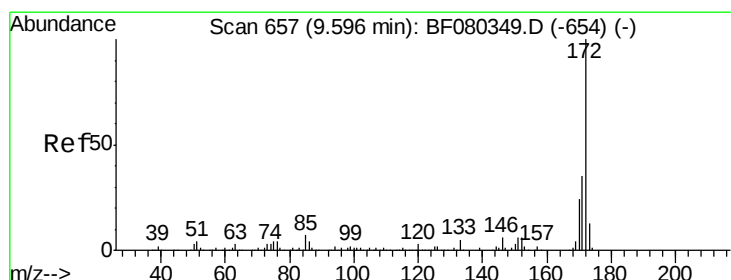
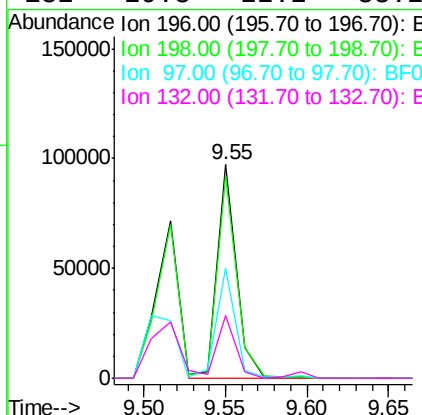
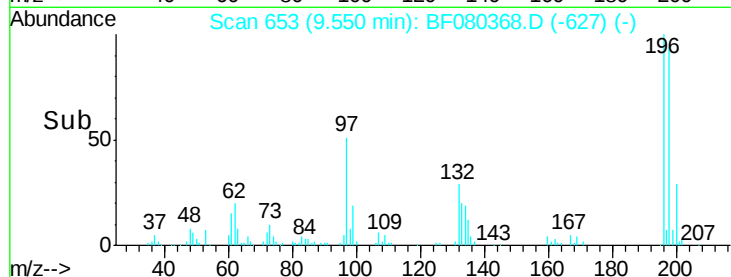
Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM



| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 79453 |       |       |
| 198     | 94.4  | 77.2  | 115.8 |       |
| 97      | 51.4  | 37.0  | 55.6  |       |
| 132     | 29.3  | 22.2  | 33.2  |       |

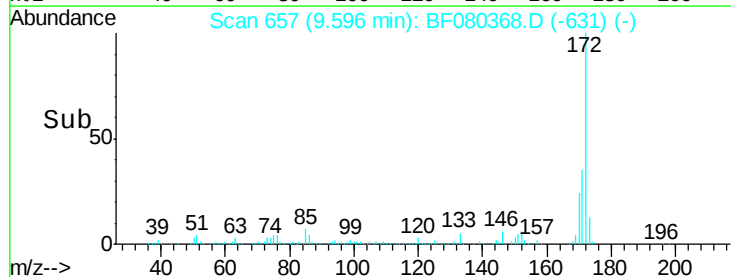
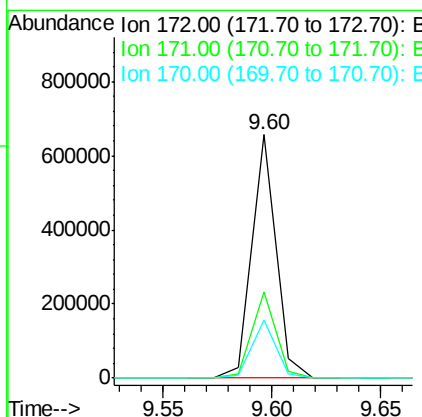
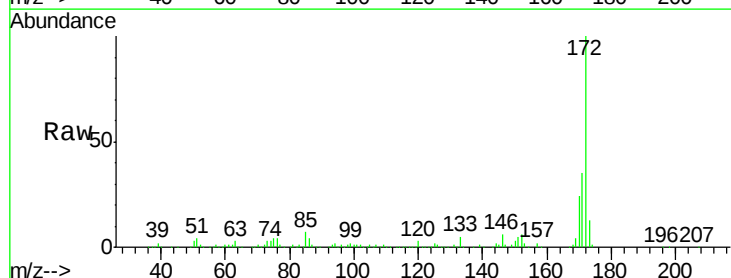
Manual Integrations  
 APPROVED

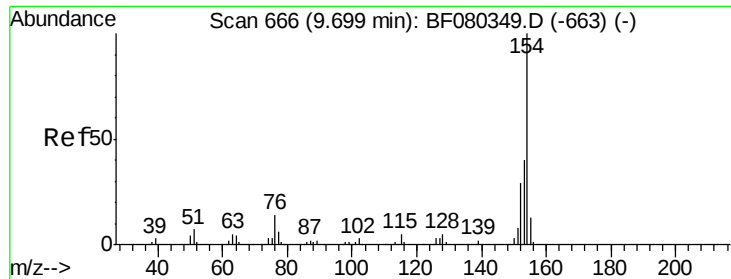
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#44  
 2-Fluorobiphenyl  
 Concen: 75.90 ng  
 RT: 9.60 min Scan# 657  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 507890 |       |       |
| 171     | 35.4  | 28.3   | 42.5  |       |
| 170     | 24.0  | 19.1   | 28.7  |       |





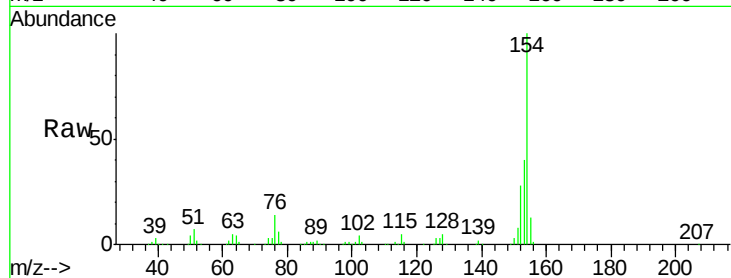
#45  
 1,1'-Biphenyl  
 Concen: 35.97 ng  
 RT: 9.70 min Scan# 666  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

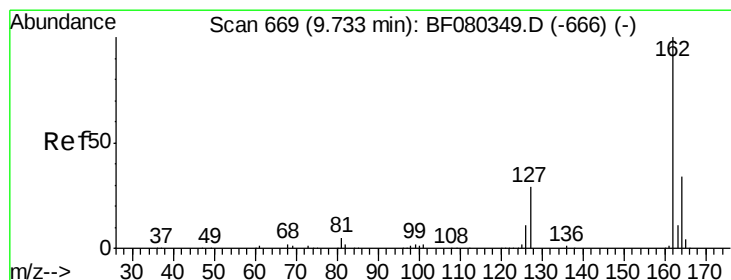
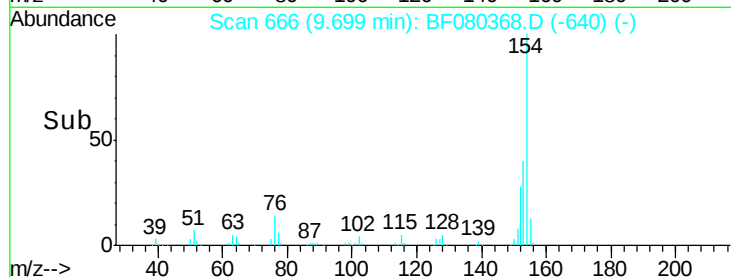
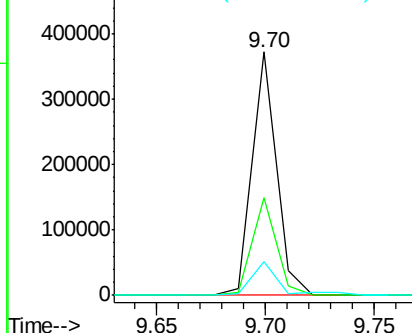
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 288315 |       |       |
| 153     | 40.3  | 19.8   | 59.8  |       |
| 76      | 13.9  | 0.0    | 33.6  |       |

Manual Integrations  
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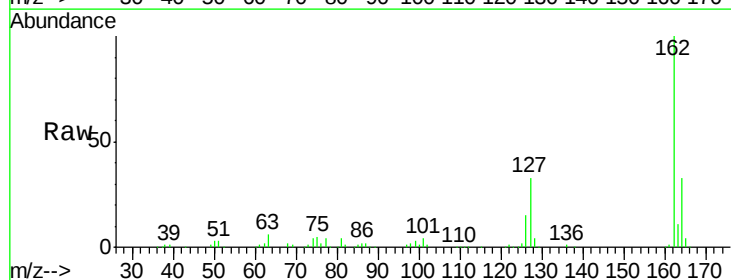


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

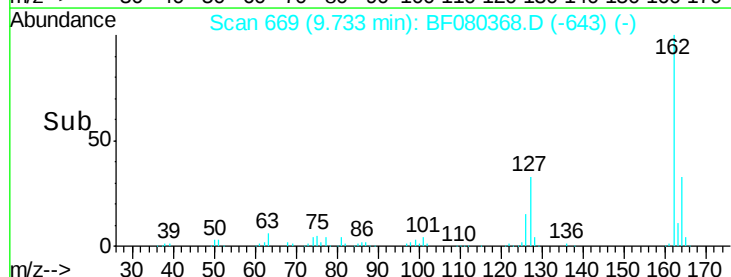
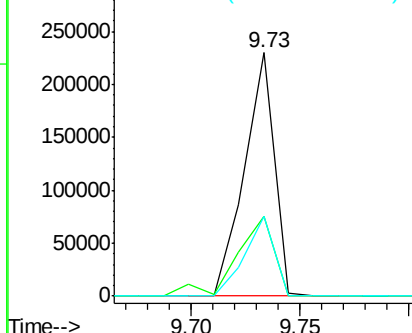


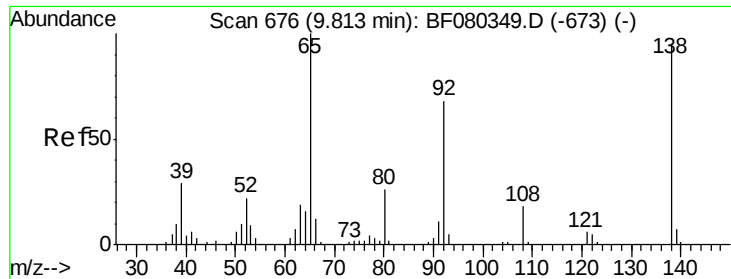
#46  
 2-Chloronaphthalene  
 Concen: 35.77 ng  
 RT: 9.73 min Scan# 669  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 218578 |       |       |
| 127     | 32.8  | 27.3   | 40.9  |       |
| 164     | 33.0  | 27.2   | 40.8  |       |



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E





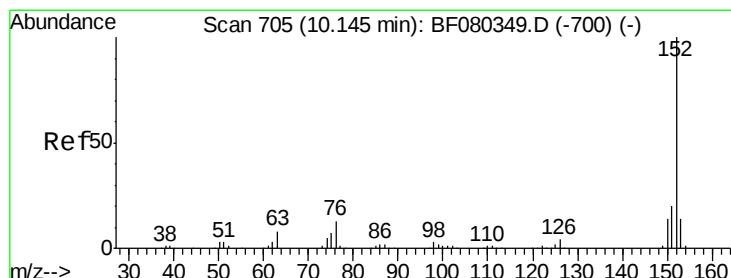
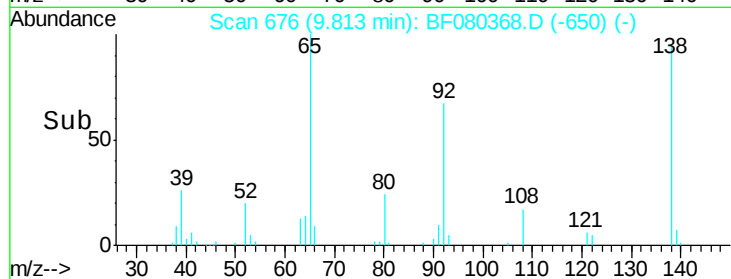
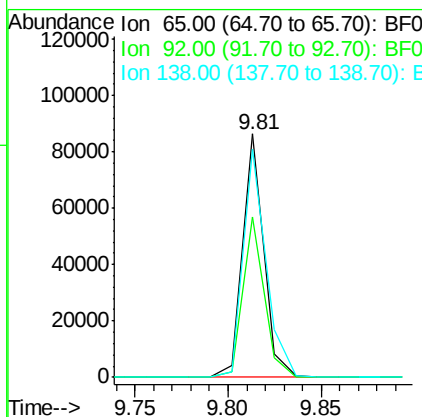
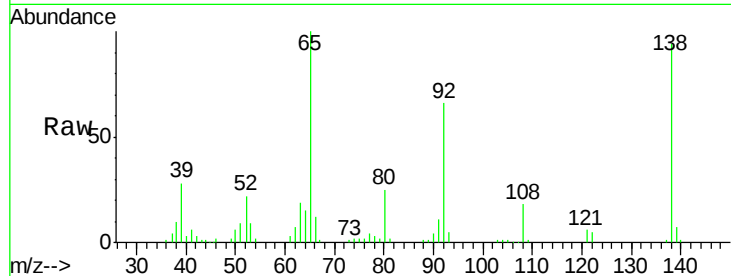
#47  
2-Nitroaniline  
Concen: 39.67 ng  
RT: 9.81 min Scan# 676  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-03-W-UM

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 66.0  | 54.2  | 81.2  |
| 138     | 94.0  | 76.1  | 114.1 |

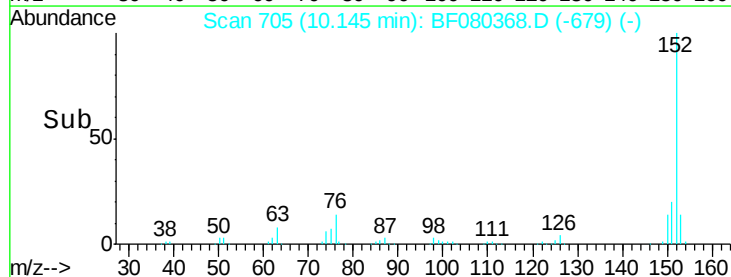
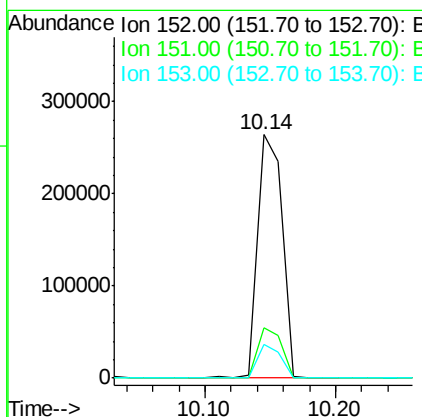
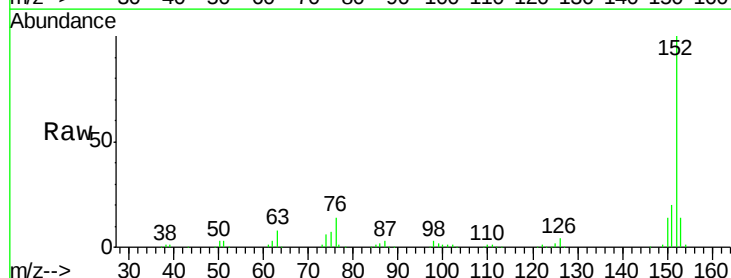
Manual Integrations  
APPROVED

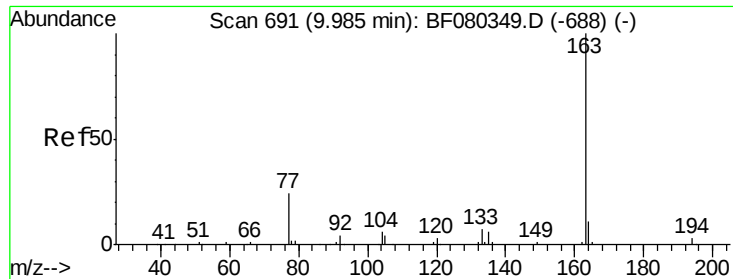
apatel  
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#48  
Acenaphthylene  
Concen: 33.99 ng  
RT: 10.14 min Scan# 705  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.4  | 16.3  | 24.5  |
| 153     | 13.6  | 11.0  | 16.4  |





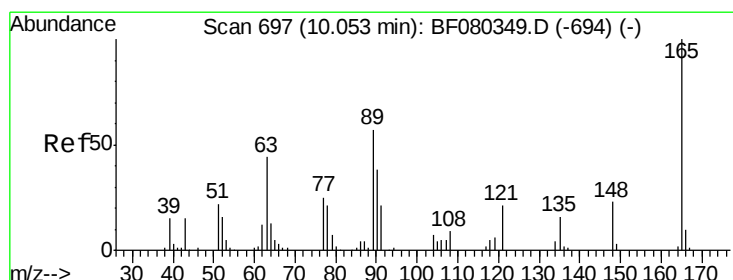
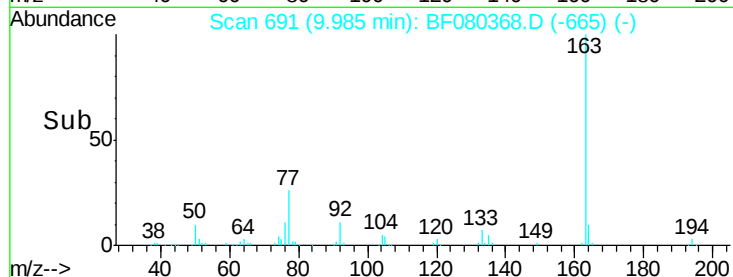
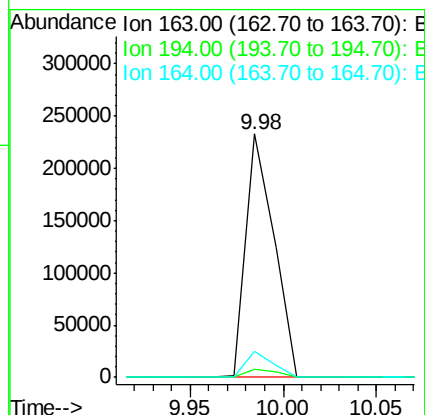
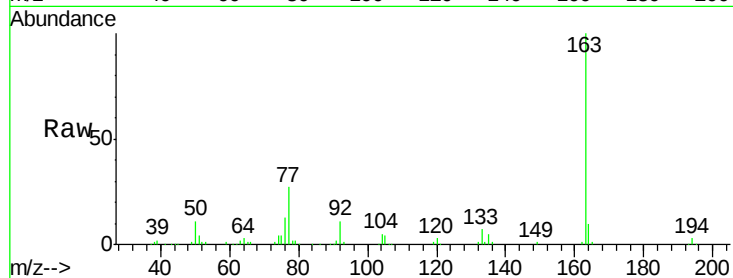
#49  
Dimethylphthalate  
Concen: 33.99 ng  
RT: 9.98 min Scan# 691  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-03-W-UM

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 163     | 100   |            |            |
| 194     | 3.1   | 2.6        | 3.8        |
| 164     | 10.5  | 8.5        | 12.7       |

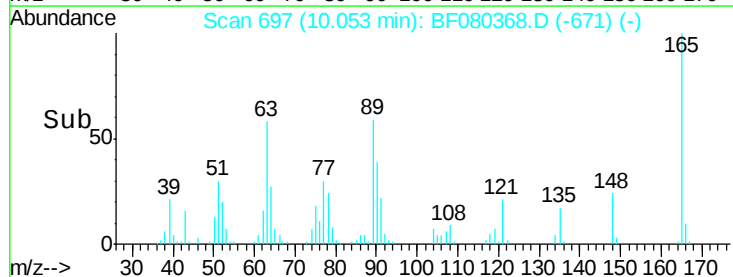
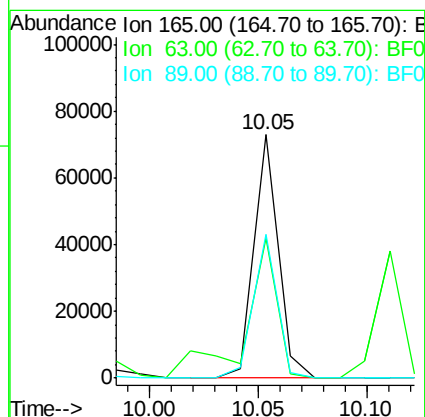
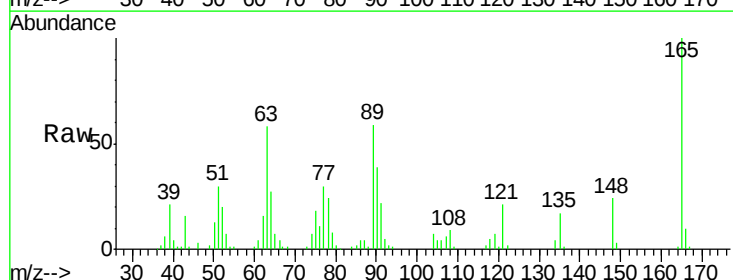
Manual Integrations  
APPROVED

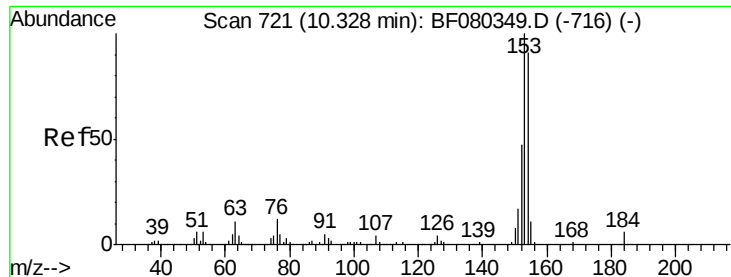
apatel  
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#50  
2,6-Dinitrotoluene  
Concen: 37.24 ng  
RT: 10.05 min Scan# 697  
Delta R.T. 0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 165     | 100   |            |            |
| 63      | 57.6  | 44.8       | 67.2       |
| 89      | 58.8  | 45.9       | 68.9       |





#51

Acenaphthene

Concen: 36.81 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

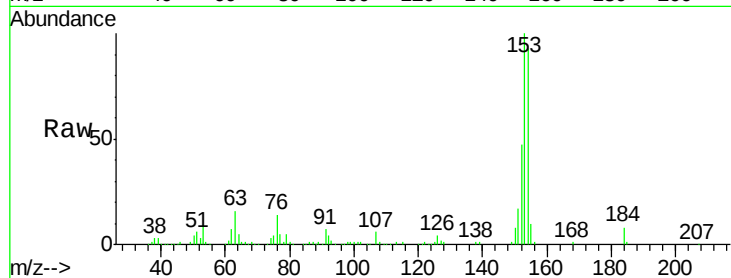
ClientSampleId :

IDOC-03-W-UM

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 224118 |       |       |
| 153     | 108.0 | 88.1   | 132.1 |       |
| 152     | 51.1  | 41.8   | 62.6  |       |

Manual Integrations  
APPROVED

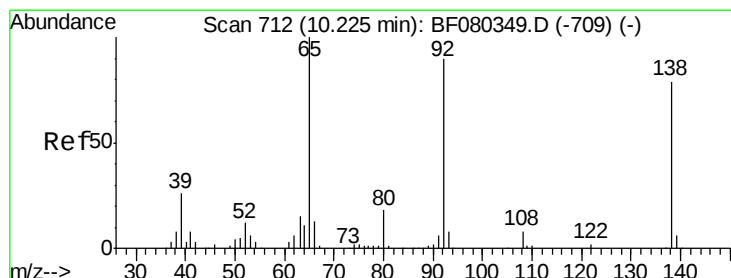
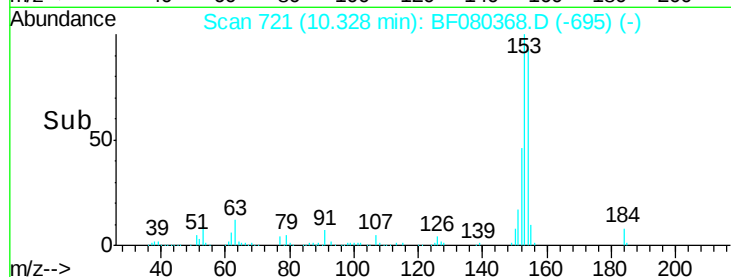
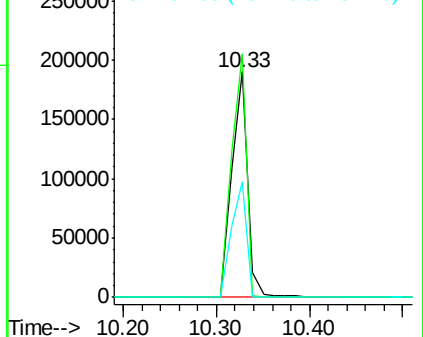
apatel  
7/7/2015 4:26:56 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 24.72 ng

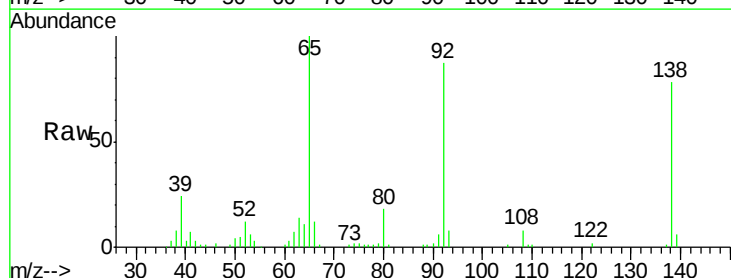
RT: 10.22 min Scan# 712

Delta R.T. -0.00 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

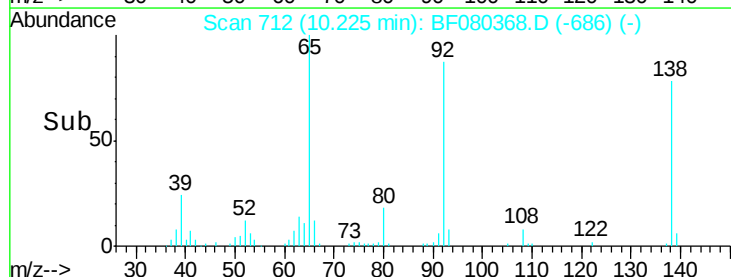
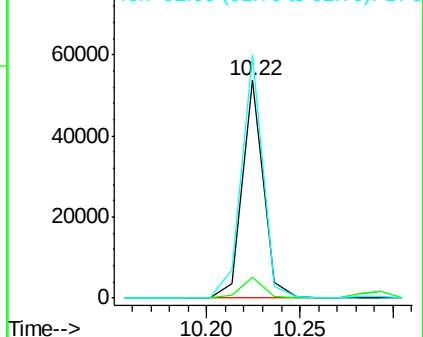
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 138     | 100   | 42227 |       |       |
| 108     | 9.8   | 7.8   | 11.8  |       |
| 92      | 111.9 | 91.0  | 136.6 |       |

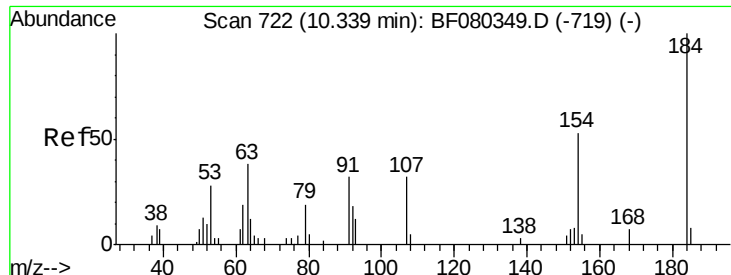


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





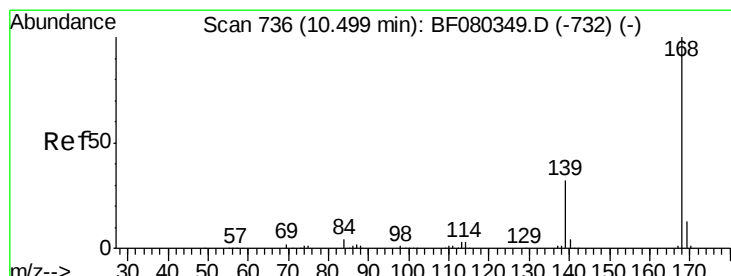
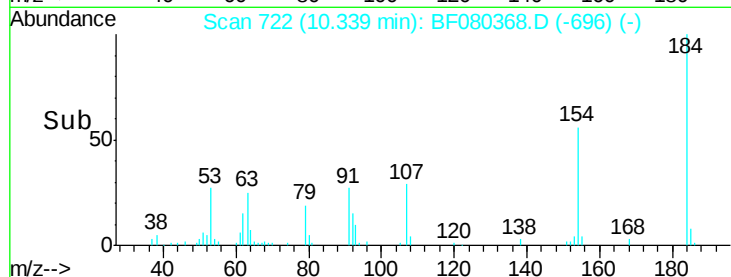
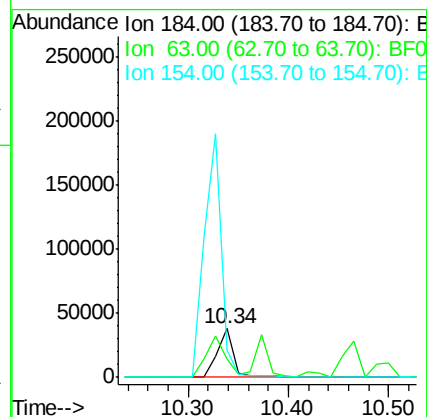
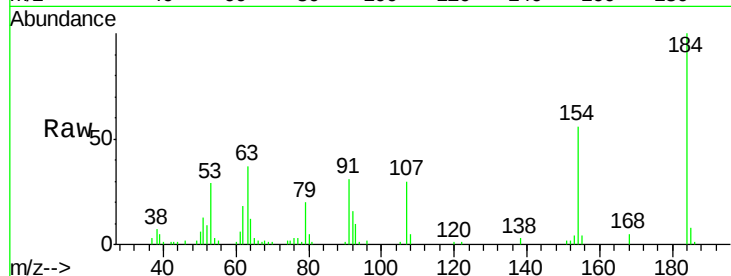
#53  
 2,4-Dinitrophenol  
 Concen: 67.60 ng  
 RT: 10.34 min Scan# 722  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 184     | 100   | 43719 |       |       |
| 63      | 36.6  | 30.6  | 46.0  |       |
| 154     | 55.7  | 45.3  | 67.9  |       |

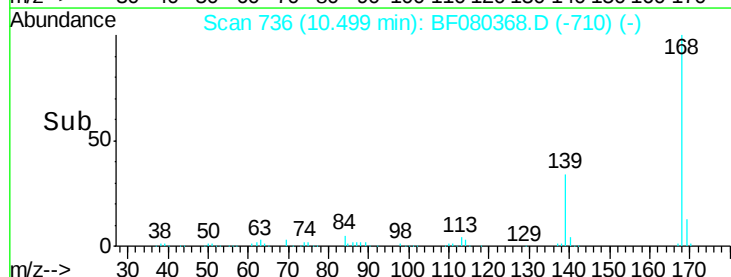
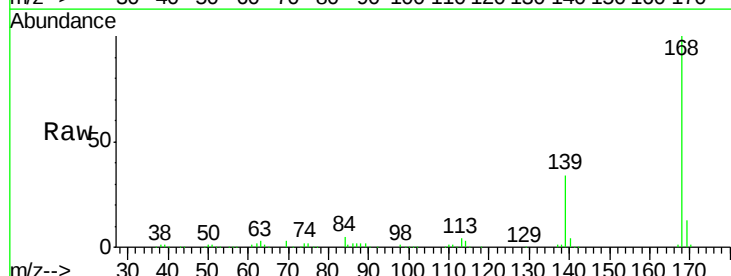
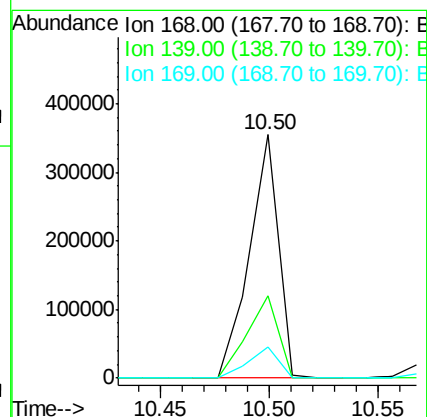
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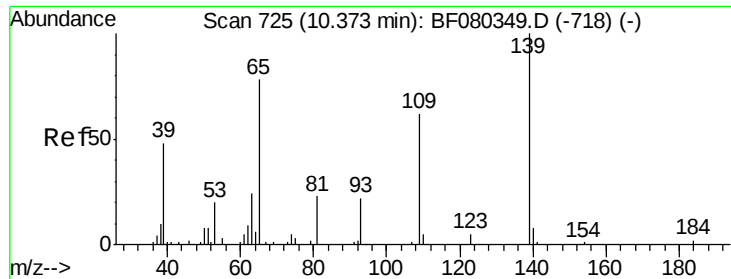
apatel  
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#54  
 Dibenzofuran  
 Concen: 37.84 ng  
 RT: 10.50 min Scan# 736  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 327617 |       |       |
| 139     | 33.6  | 25.9   | 38.9  |       |
| 169     | 13.0  | 10.3   | 15.5  |       |





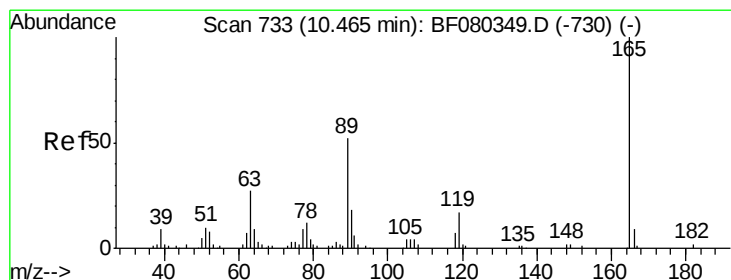
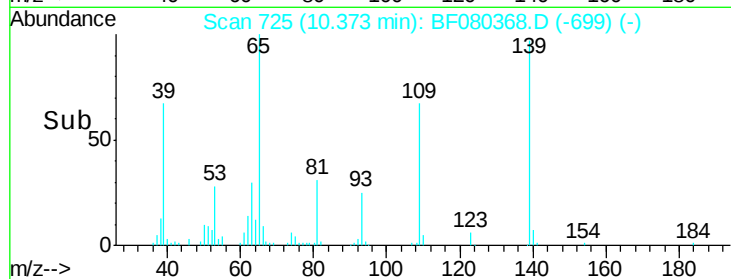
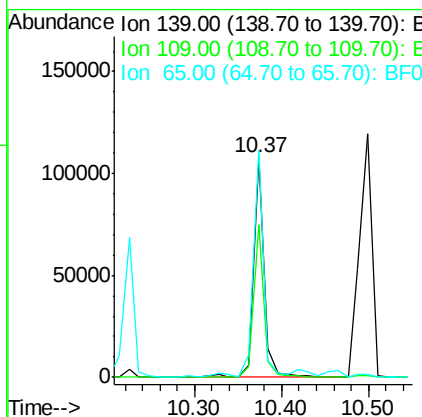
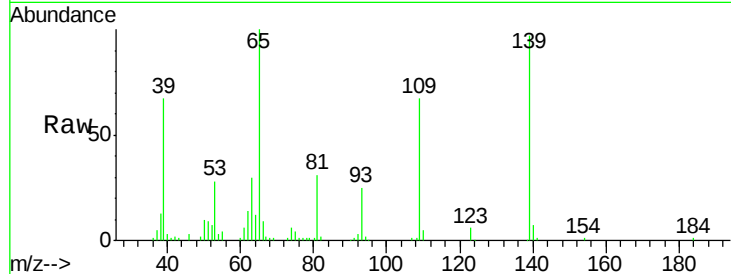
#55  
4-Nitrophenol  
Concen: 74.75 ng  
RT: 10.37 min Scan# 725  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-03-W-UM

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 139     | 100   |            |            |
| 109     | 69.8  | 42.3       | 82.3       |
| 65      | 103.5 | 58.5       | 98.5       |

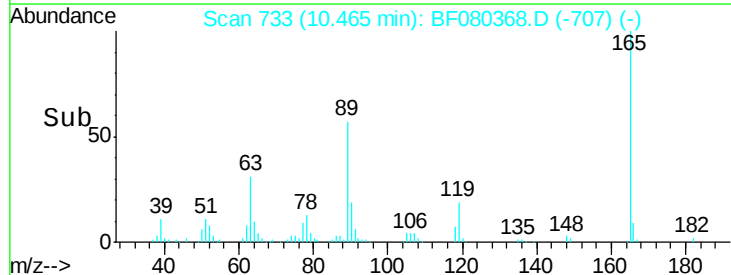
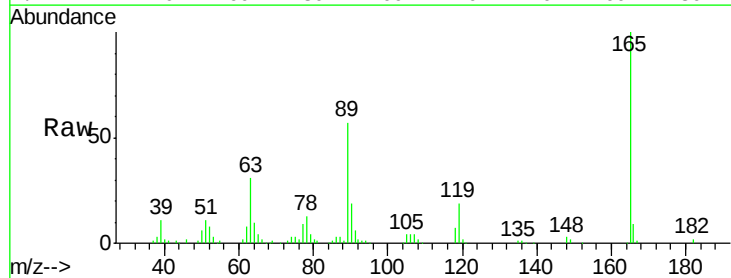
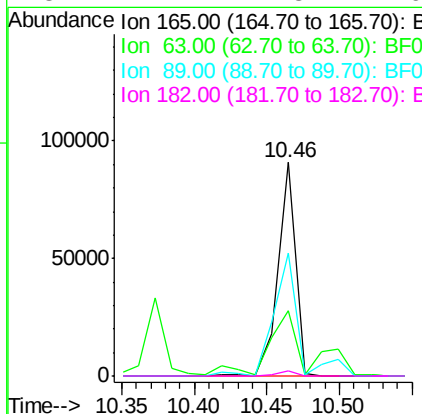
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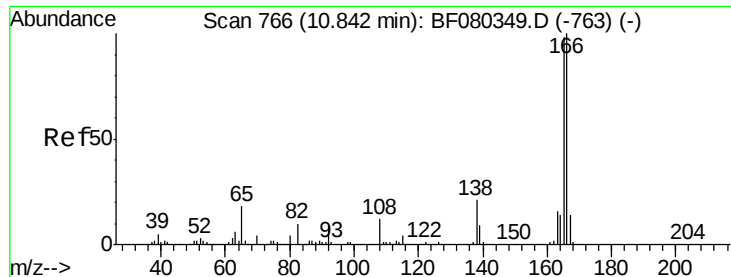
apatel  
7/7/2015 4:26:56 PM



#56  
2,4-Dinitrotoluene  
Concen: 38.89 ng  
RT: 10.46 min Scan# 733  
Delta R.T. 0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 165     | 100   |            |            |
| 63      | 30.8  | 21.8       | 32.8       |
| 89      | 57.4  | 41.3       | 61.9       |
| 182     | 2.4   | 1.8        | 2.6        |





#57

Fluorene

Concen: 35.78 ng

RT: 10.84 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF080368.D

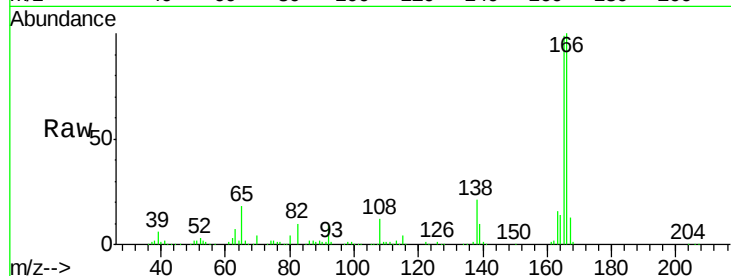
Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

ClientSampleId :

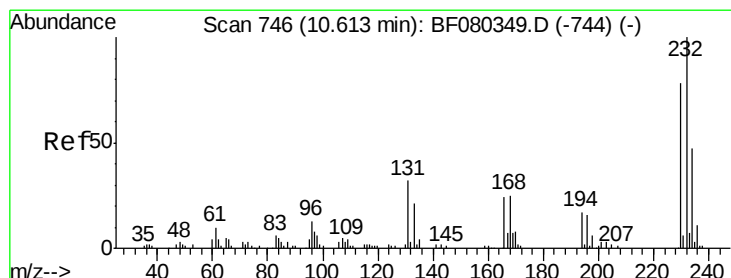
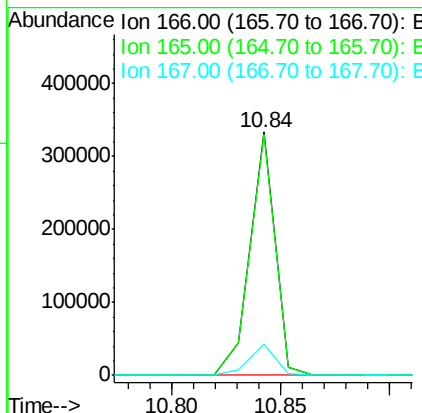
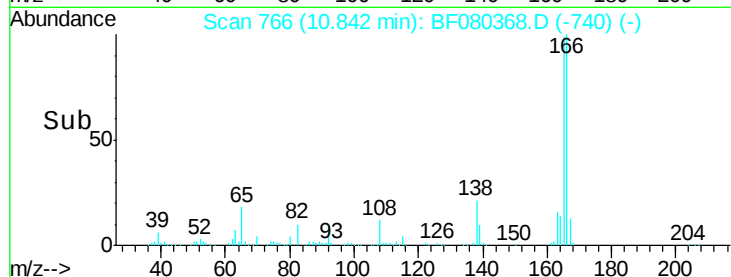
IDOC-03-W-UM



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 266720 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 98.8  | 78.6  | 117.8  |
| 167       | 12.8  | 10.8  | 16.2   |

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apatel  
7/7/2015 4:26:56 PM



#58

2,3,4,6-Tetrachlorophenol

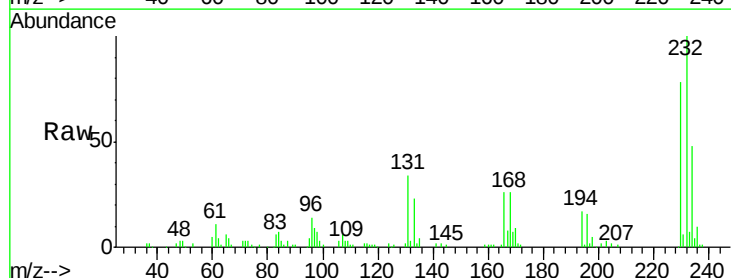
Concen: 37.76 ng

RT: 10.61 min Scan# 746

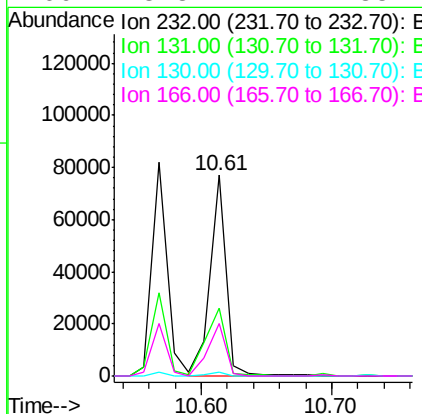
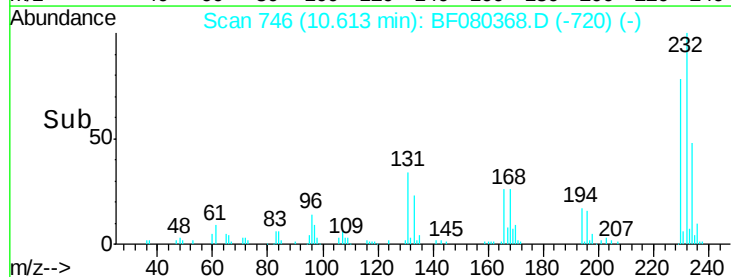
Delta R.T. -0.00 min

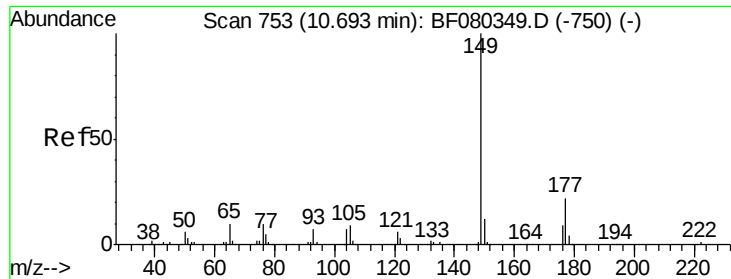
Lab File: BF080368.D

Acq: 7 Jul 2015 4:47



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 232   | Resp: | 66465 |
| Ion Ratio | Lower | Upper |       |
| 232       | 100   |       |       |
| 131       | 41.4  | 33.4  | 50.2  |
| 130       | 2.0   | 1.8   | 2.6   |
| 166       | 28.8  | 22.1  | 33.1  |





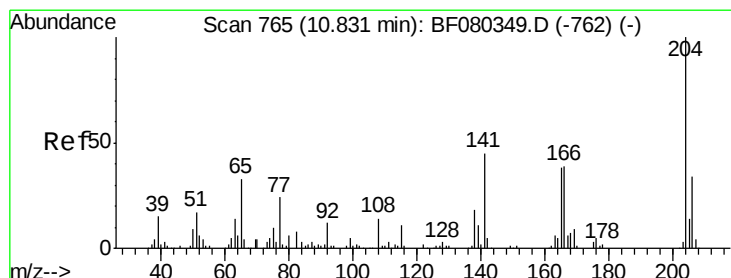
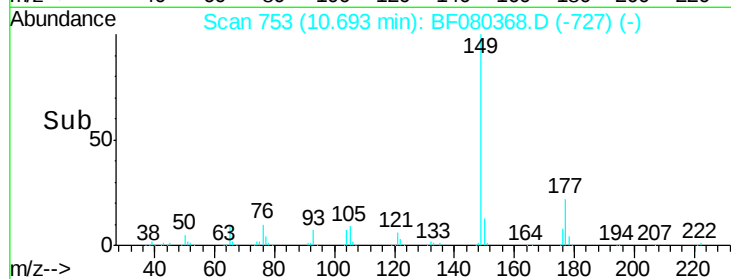
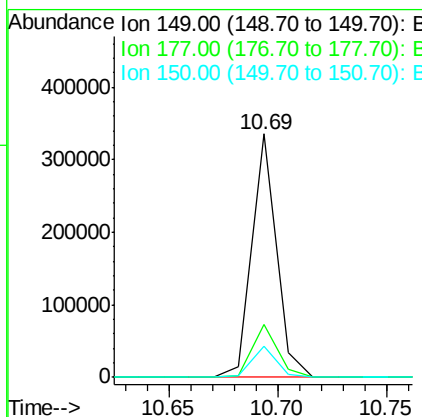
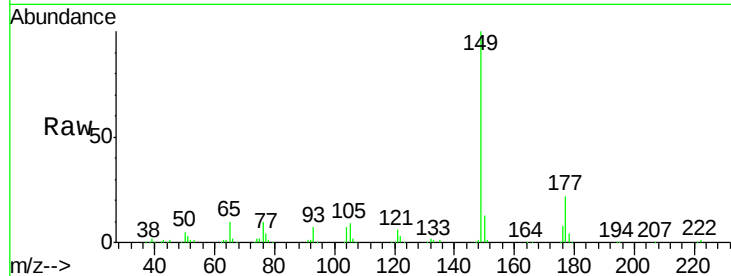
#59  
Diethylphthalate  
Concen: 36.46 ng  
RT: 10.69 min Scan# 753  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-03-W-UM

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 264044 |       |       |
| 177     | 21.7  | 17.6   | 26.4  |       |
| 150     | 12.6  | 10.0   | 15.0  |       |

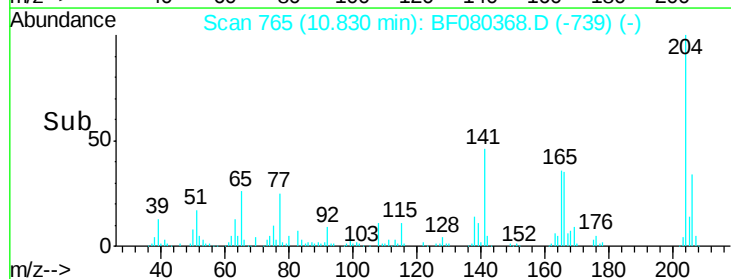
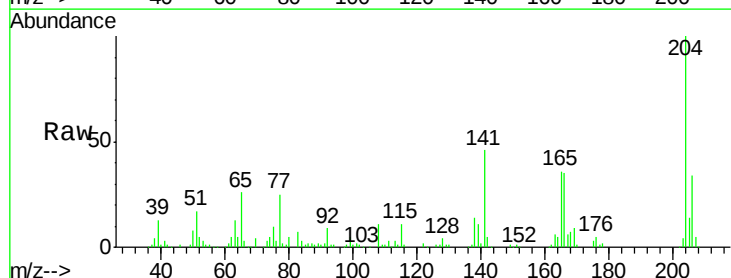
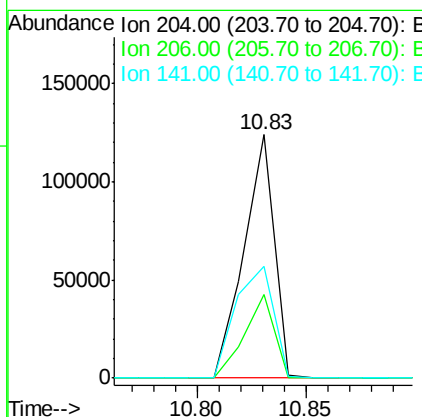
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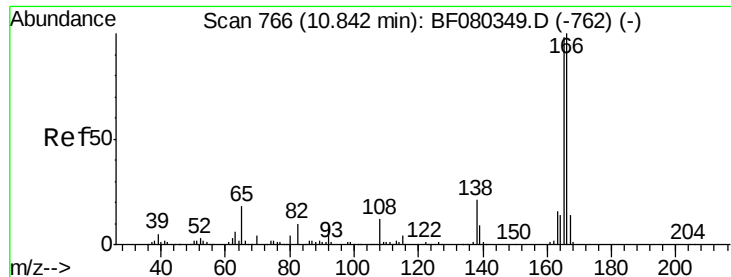
apatel  
7/7/2015 4:26:56 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 36.29 ng  
RT: 10.83 min Scan# 765  
Delta R.T. -0.00 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 119730 |       |       |
| 206     | 34.3  | 27.2   | 40.8  |       |
| 141     | 46.0  | 35.9   | 53.9  |       |





#61

4-Nitroaniline

Concen: 37.45 ng

RT: 10.84 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF080368.D

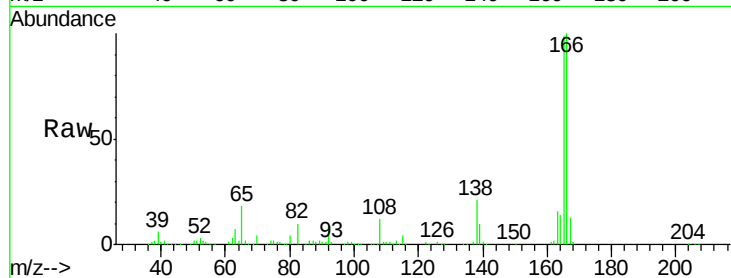
Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

ClientSampleId :

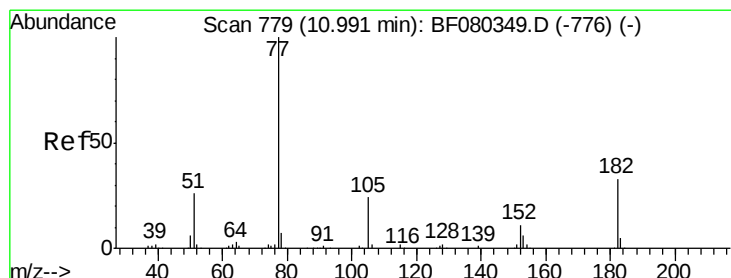
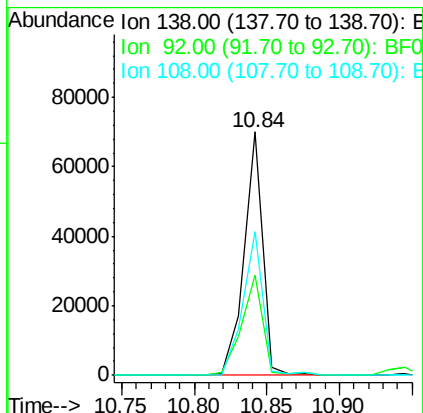
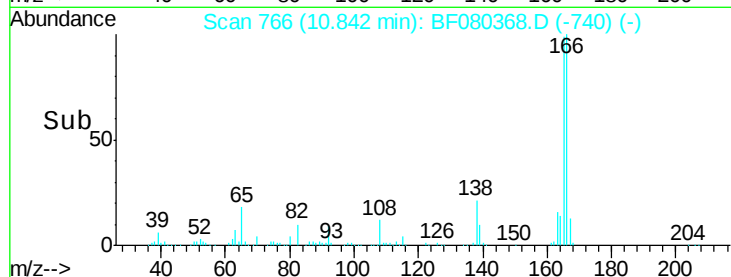
IDOC-03-W-UM



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 62087 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 41.0  | 21.0  | 61.0  |
| 108       | 58.9  | 38.4  | 78.4  |

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#62

Azobenzene

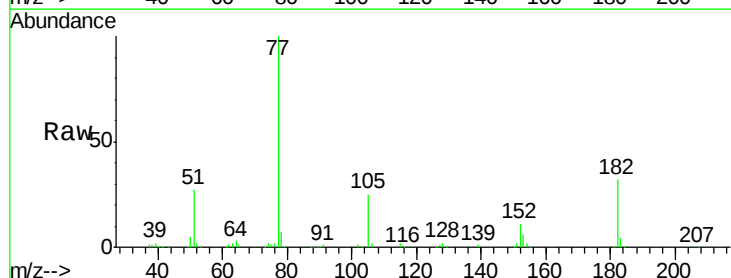
Concen: 36.50 ng

RT: 10.99 min Scan# 779

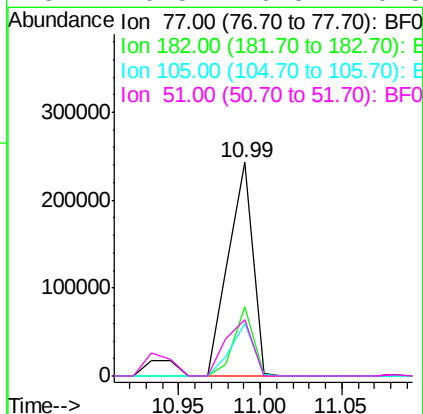
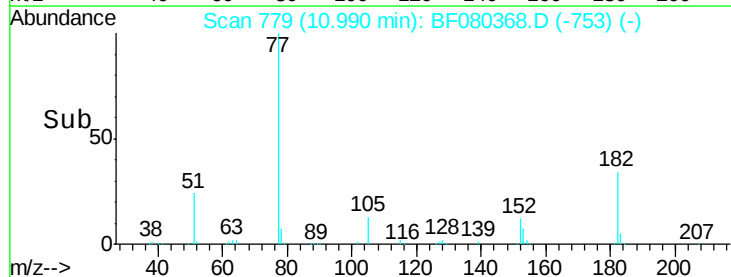
Delta R.T. -0.00 min

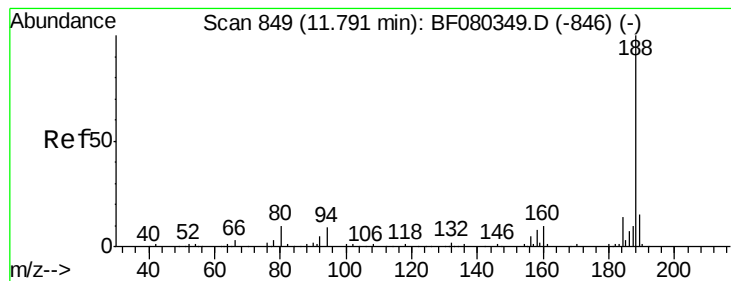
Lab File: BF080368.D

Acq: 7 Jul 2015 4:47



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 251052 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 32.3  | 13.2  | 53.2   |
| 105       | 24.5  | 4.3   | 44.3   |
| 51        | 26.5  | 6.3   | 46.3   |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.79 min Scan# 849

Delta R.T. -0.00 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

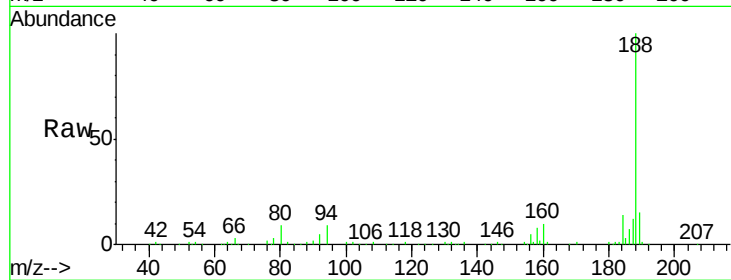
ClientSampleId :

IDOC-03-W-UM

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 188354 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 8.7   | 7.5   | 11.3   |
| 80        | 9.3   | 8.3   | 12.5   |

Manual Integrations  
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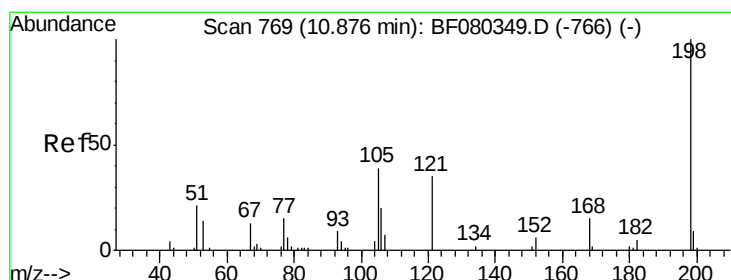
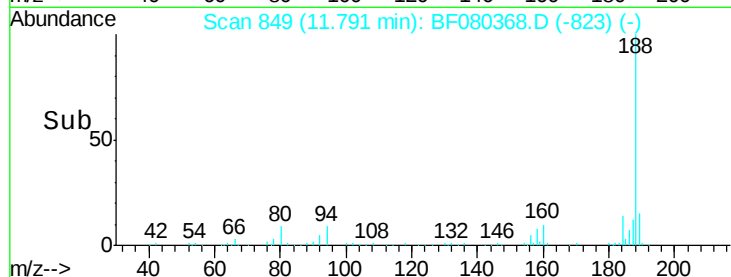
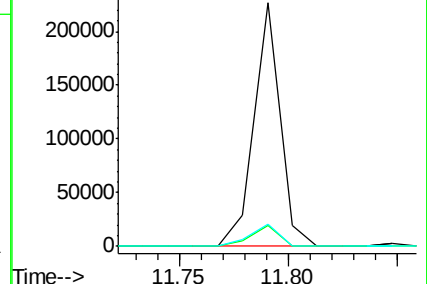
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 33.81 ng

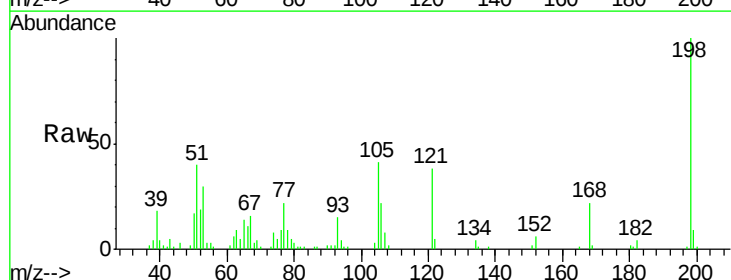
RT: 10.88 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

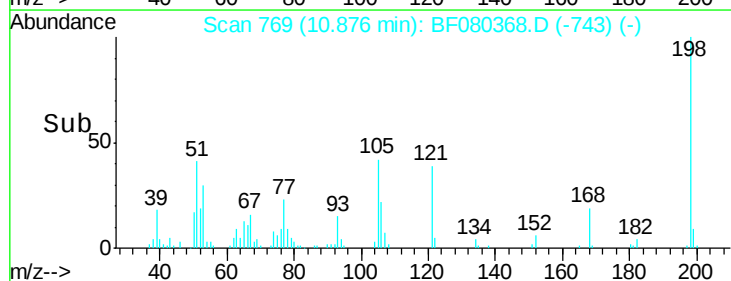
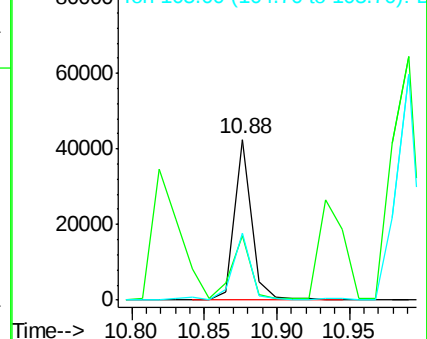
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 198   | Resp: | 35137 |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 40.2  | 17.0  | 57.0  |
| 105       | 41.3  | 20.9  | 60.9  |

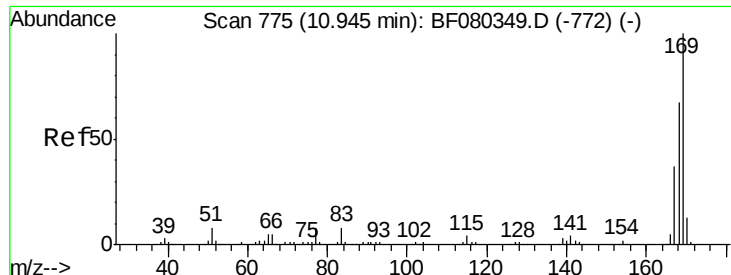


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





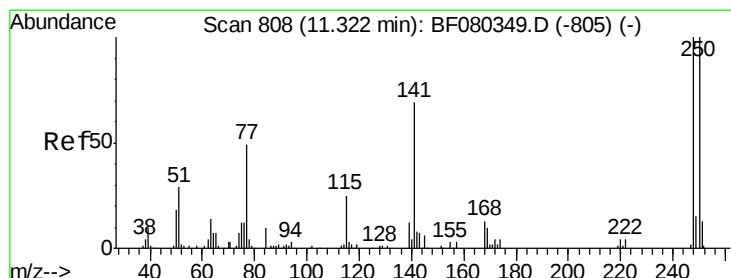
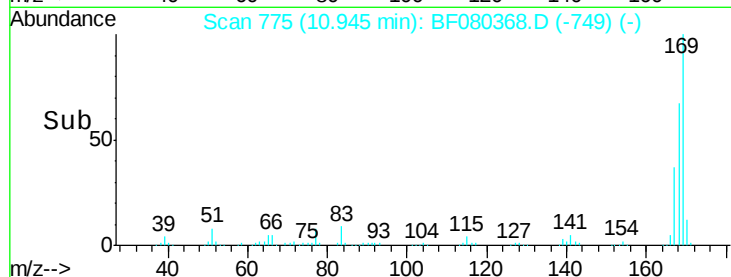
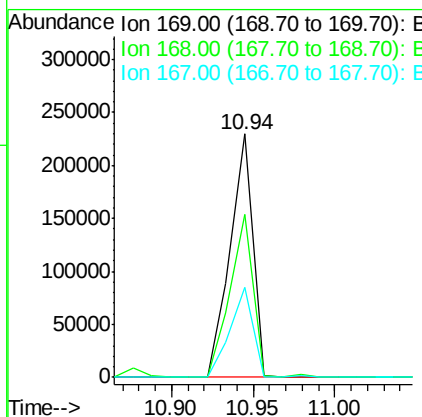
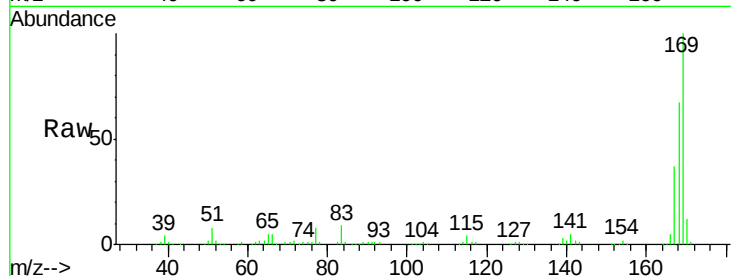
#65  
 n-Nitrosodiphenylamine  
 Concen: 36.70 ng  
 RT: 10.94 min Scan# 775  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 220199 |       |       |
| 168     | 66.9  | 53.5   | 80.3  |       |
| 167     | 37.1  | 29.5   | 44.3  |       |

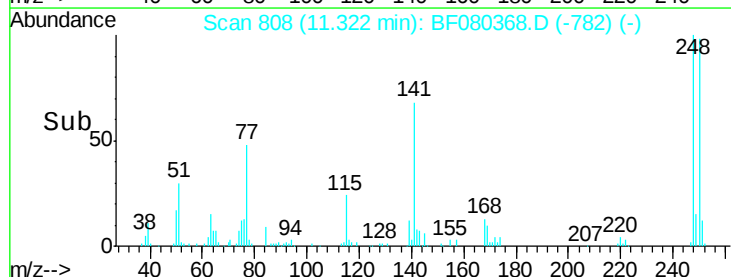
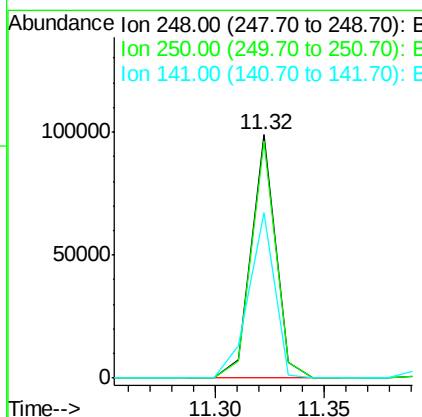
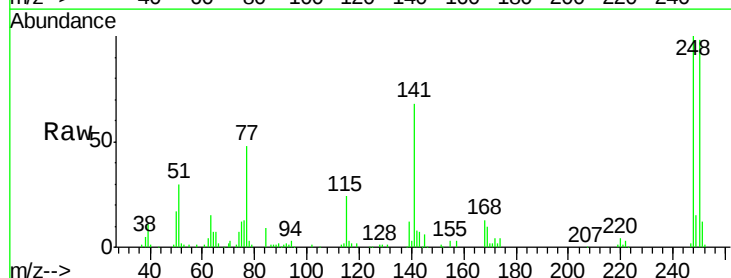
Manual Integrations  
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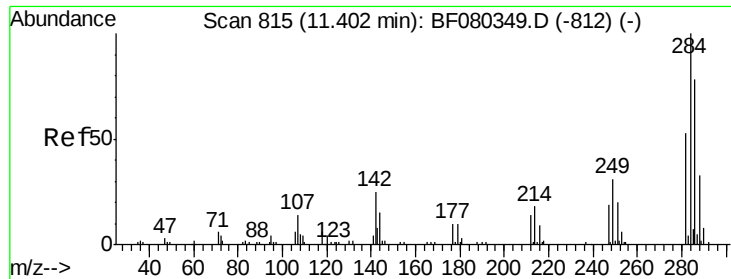
apatel  
 7/7/2015 4:26:56 PM



#66  
 4-Bromophenyl-phenylether  
 Concen: 35.79 ng  
 RT: 11.32 min Scan# 808  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 248     | 100   | 77235 |       |       |
| 250     | 97.5  | 80.0  | 120.0 |       |
| 141     | 67.9  | 54.8  | 82.2  |       |





#67

Hexachlorobenzene

Concen: 36.63 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.00 min

Lab File: BF080368.D

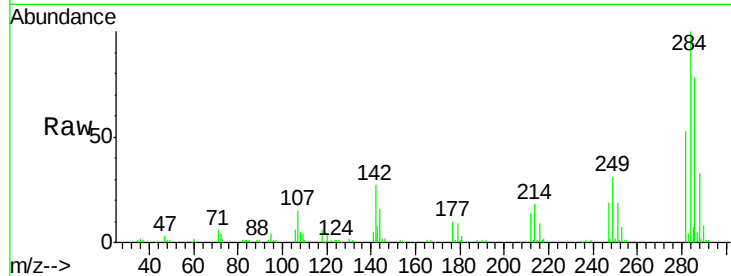
Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

ClientSampleId :

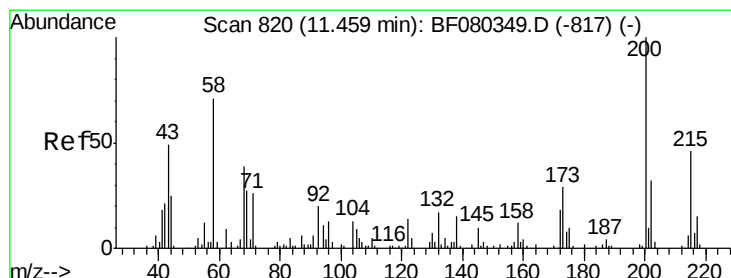
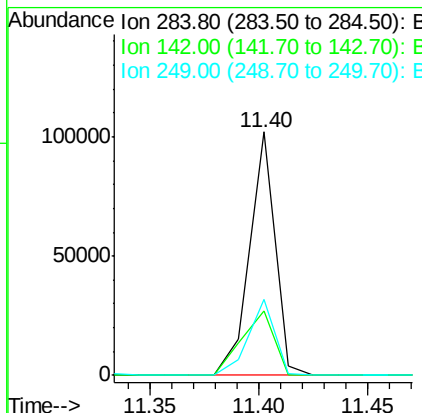
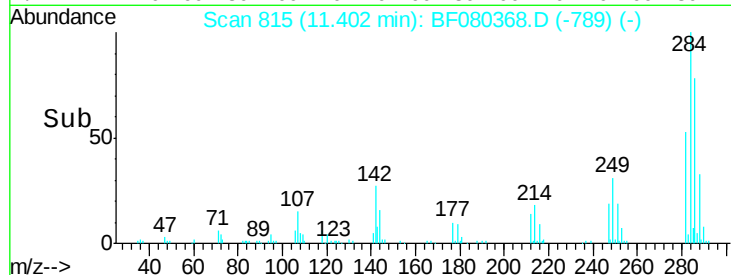
IDOC-03-W-UM



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 284   | Resp: | 82916 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 26.5  | 20.3  | 30.5  |
| 249       | 31.1  | 24.7  | 37.1  |

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#68

Atrazine

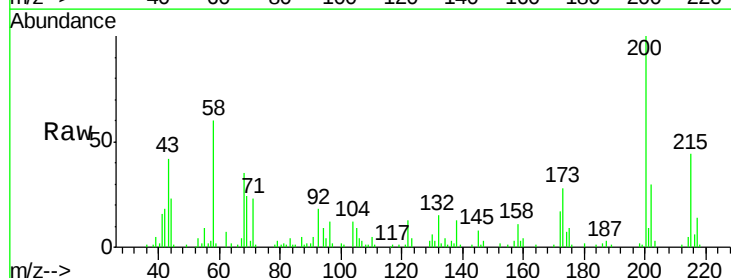
Concen: 31.95 ng

RT: 11.46 min Scan# 820

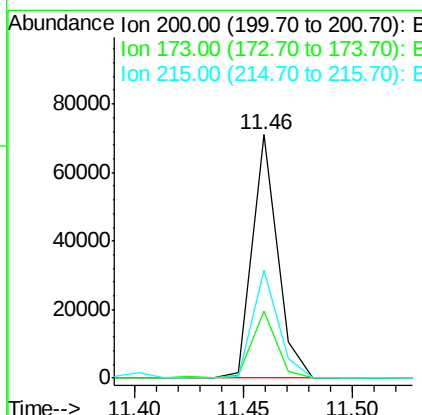
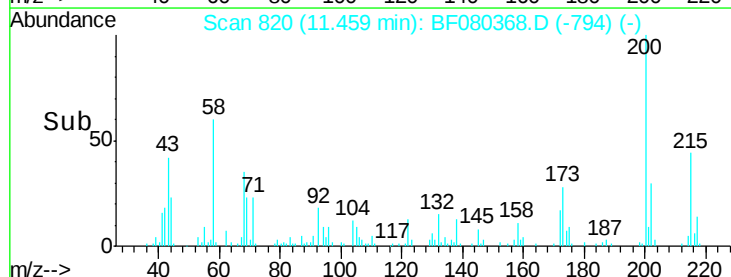
Delta R.T. -0.00 min

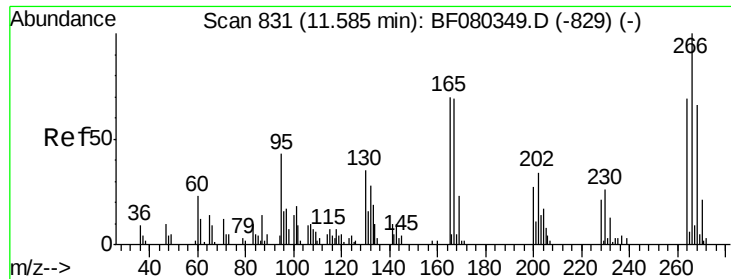
Lab File: BF080368.D

Acq: 7 Jul 2015 4:47



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 57057 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 27.6  | 9.9   | 49.9  |
| 215       | 44.1  | 26.2  | 66.2  |





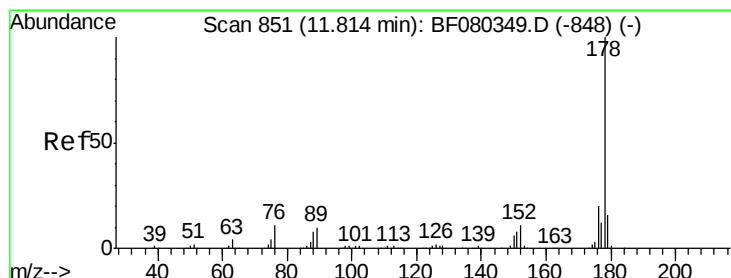
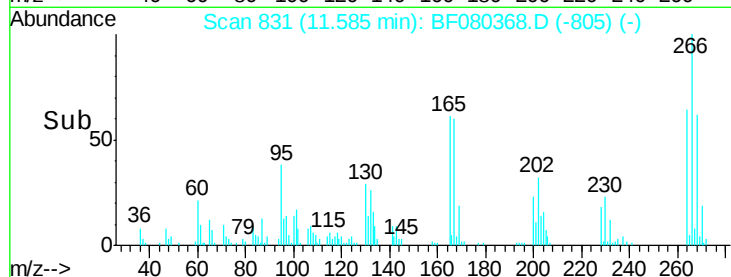
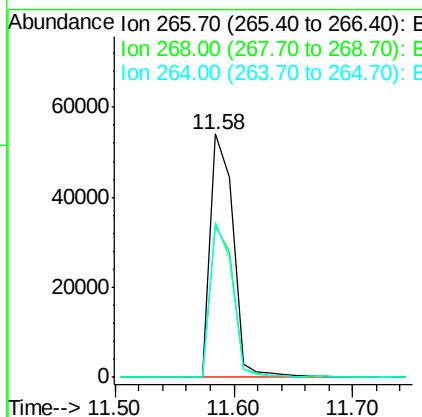
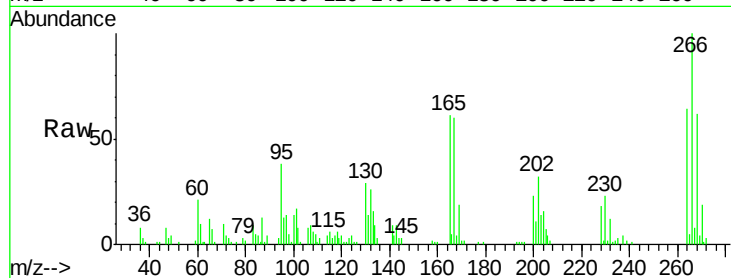
#69  
 Pentachlorophenol  
 Concen: 64.45 ng  
 RT: 11.58 min Scan# 831  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.1  | 52.7  | 79.1  |
| 264     | 63.6  | 55.0  | 82.6  |

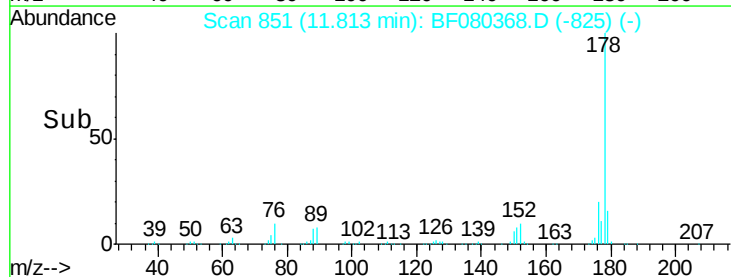
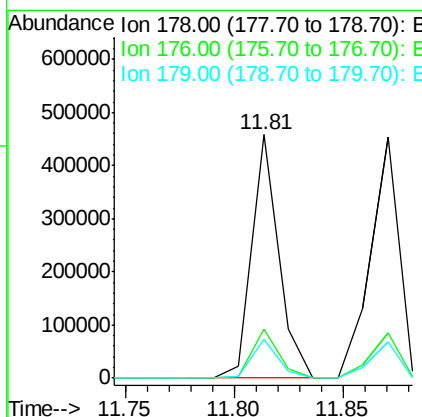
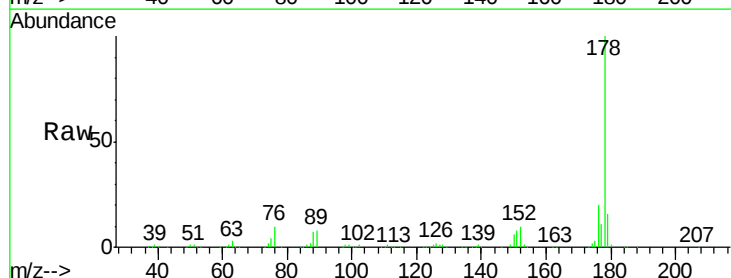
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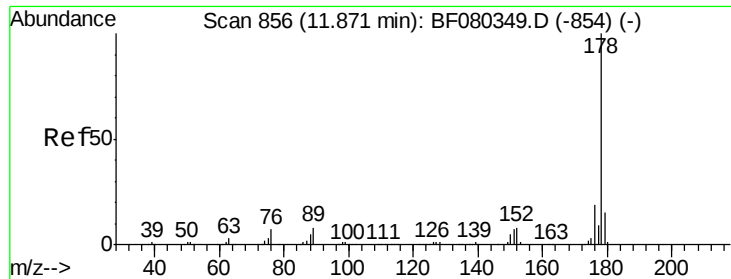
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#70  
 Phenanthrene  
 Concen: 34.94 ng  
 RT: 11.81 min Scan# 851  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.3  | 16.1  | 24.1  |
| 179     | 15.7  | 12.6  | 18.8  |





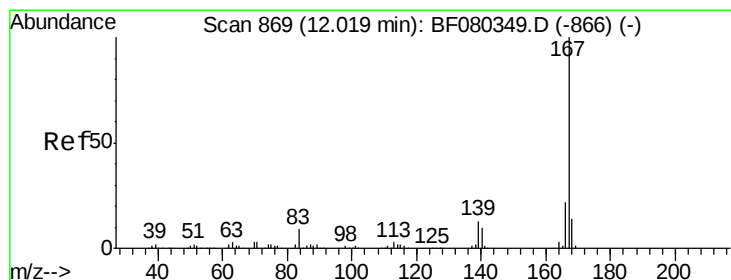
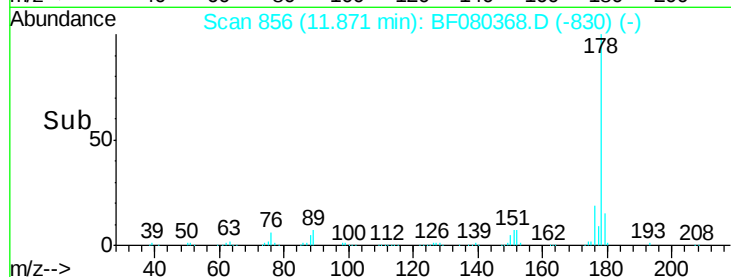
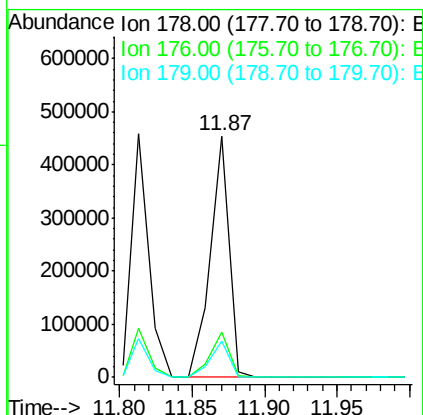
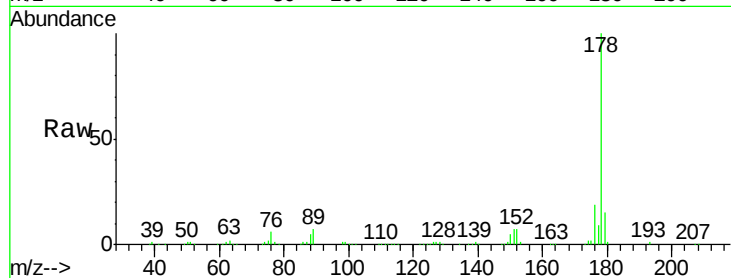
#71  
 Anthracene  
 Concen: 37.14 ng  
 RT: 11.87 min Scan# 856  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.7  | 15.3  | 22.9  |
| 179     | 15.3  | 12.3  | 18.5  |

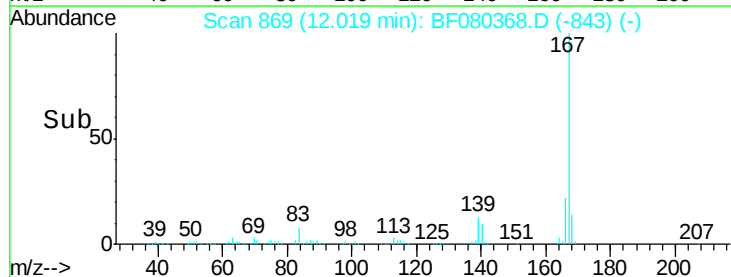
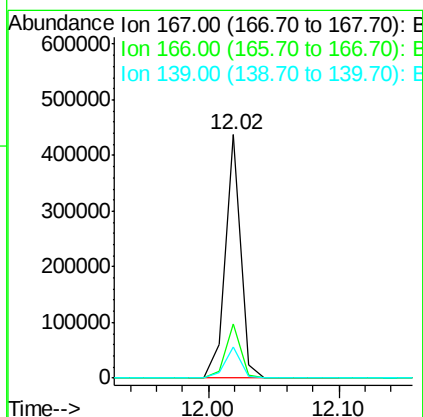
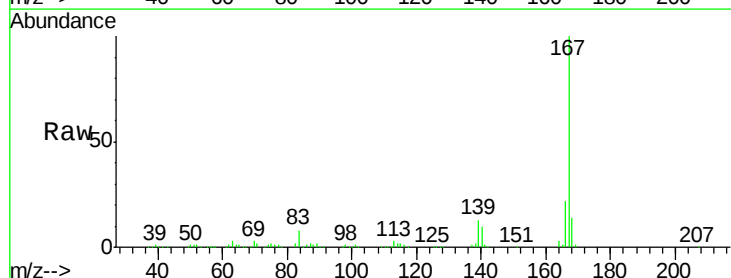
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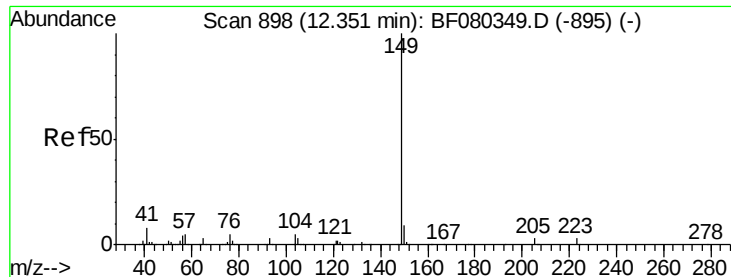
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#72  
 Carbazole  
 Concen: 34.79 ng  
 RT: 12.02 min Scan# 869  
 Delta R.T. -0.00 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.1  | 17.8  | 26.6  |
| 139     | 13.0  | 10.4  | 15.6  |





#73

Di-n-butylphthalate

Concen: 37.27 ng

RT: 12.35 min Scan# 898

Delta R.T. -0.00 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

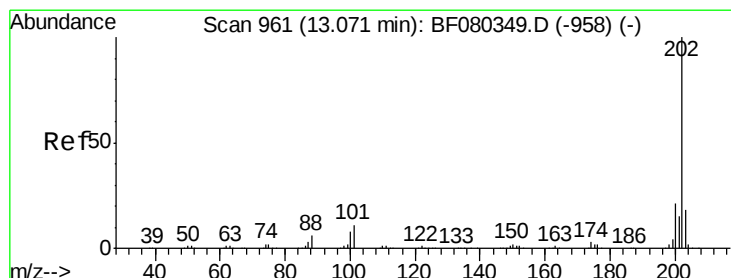
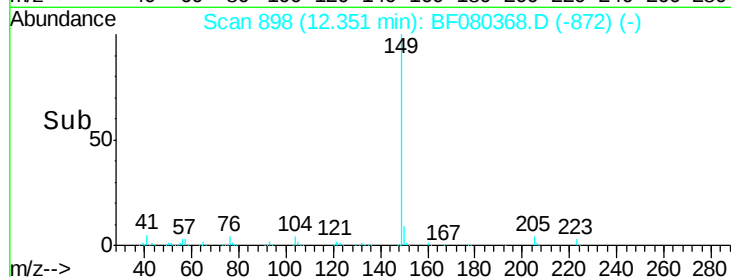
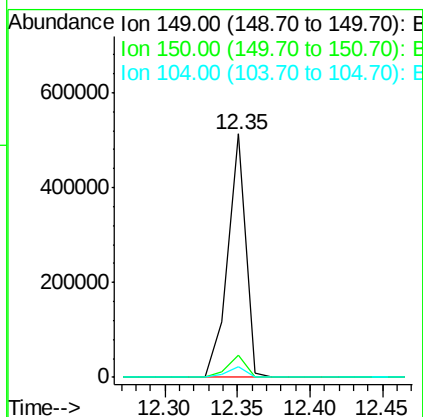
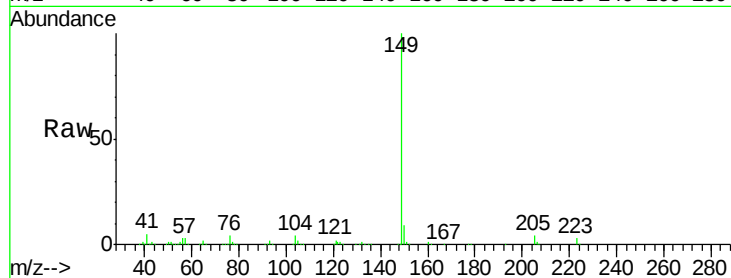
ClientSampleId :

IDOC-03-W-UM

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 440473 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 8.9   | 7.5   | 11.3   |
| 104       | 4.2   | 3.9   | 5.9    |

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#74

Fluoranthene

Concen: 34.25 ng

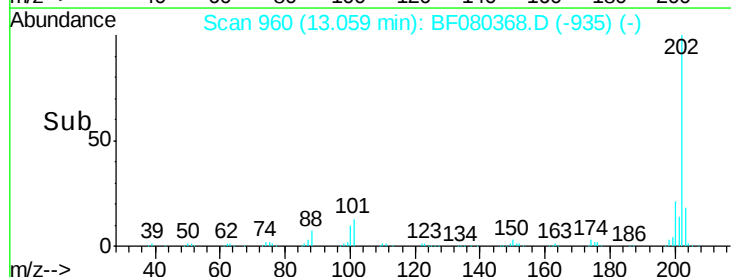
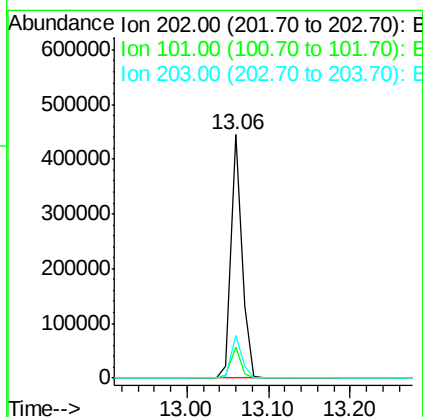
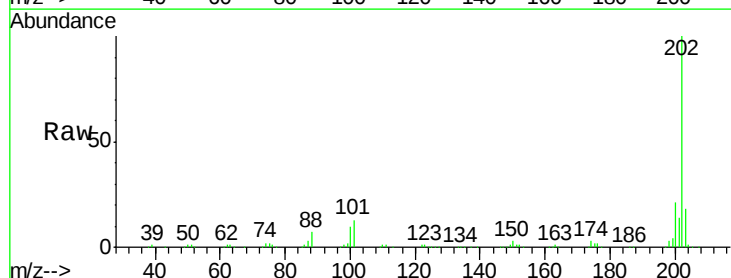
RT: 13.06 min Scan# 960

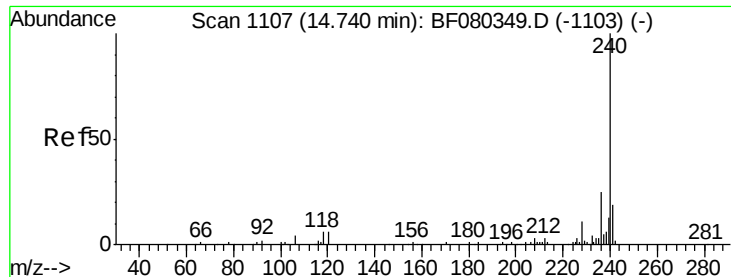
Delta R.T. -0.01 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 415746 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 12.9  | 0.0   | 31.0   |
| 203       | 17.7  | 0.0   | 37.6   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.72 min Scan# 1105

Delta R.T. -0.02 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

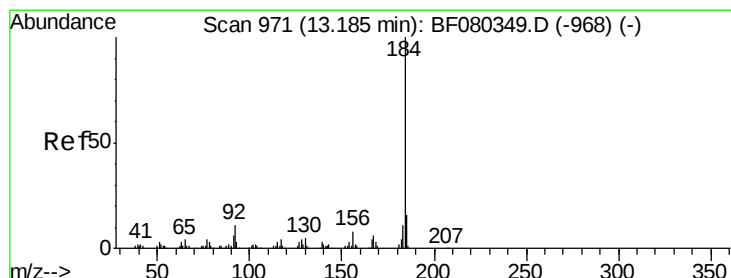
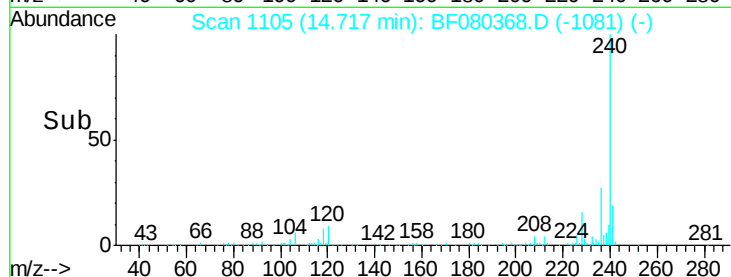
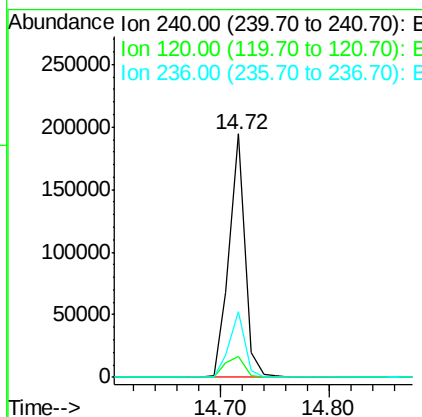
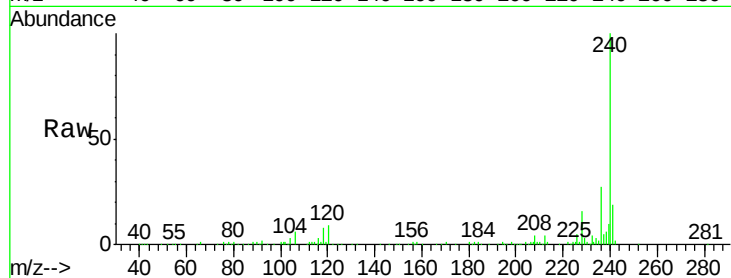
ClientSampleId :

IDOC-03-W-UM

Tgt Ion:240 Resp: 197925  
 Ion Ratio Lower Upper  
 240 100  
 120 8.8 5.1 7.7#  
 236 27.1 20.4 30.6

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#76

Benzidine

Concen: 37.21 ng

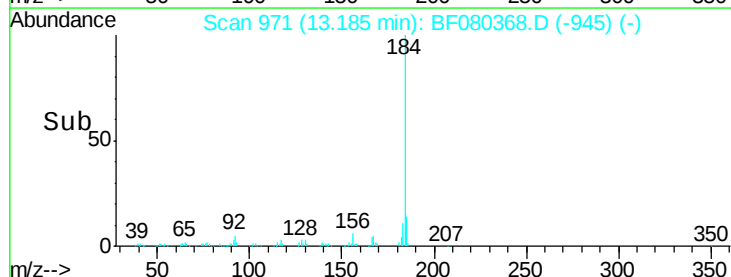
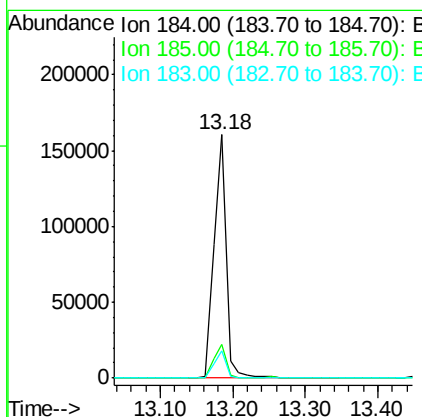
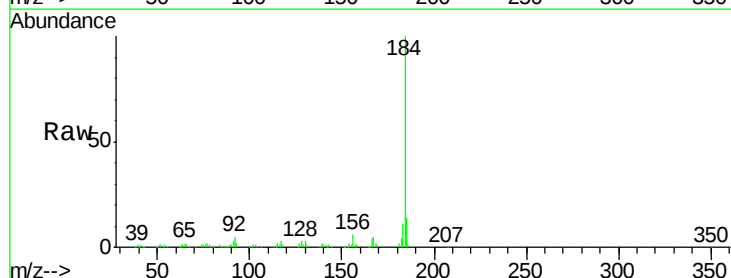
RT: 13.18 min Scan# 971

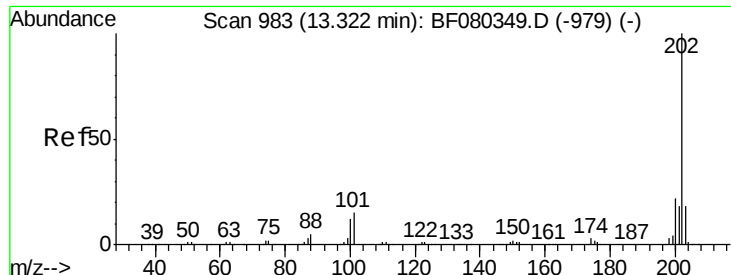
Delta R.T. -0.00 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

Tgt Ion:184 Resp: 186813  
 Ion Ratio Lower Upper  
 184 100  
 185 13.6 12.6 19.0  
 183 11.2 9.2 13.8





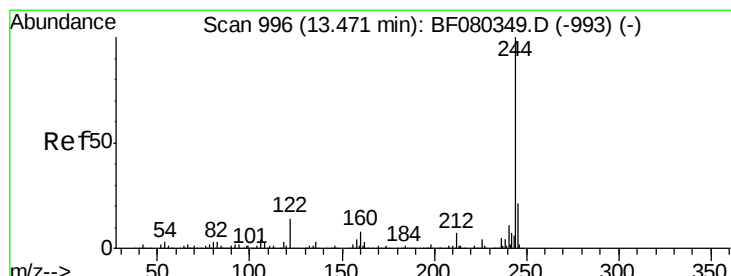
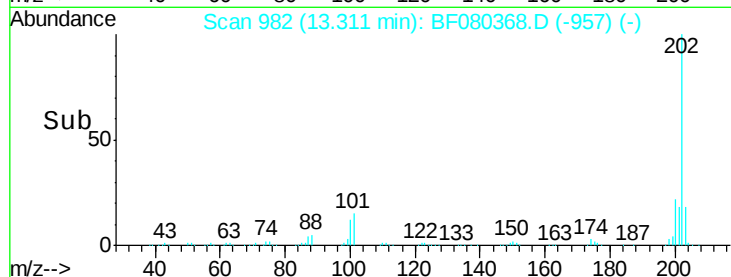
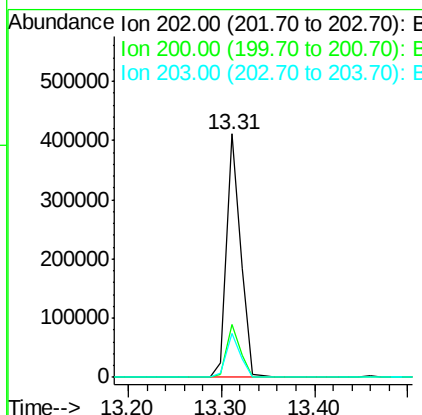
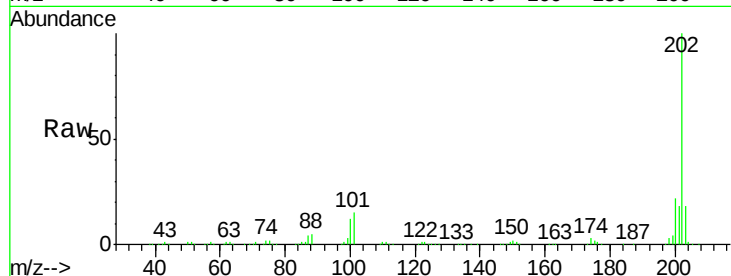
#77  
 Pyrene  
 Concen: 36.08 ng  
 RT: 13.31 min Scan# 982  
 Delta R.T. -0.01 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 431894 |       |       |
| 200     | 21.6  | 17.2   | 25.8  |       |
| 203     | 18.0  | 14.3   | 21.5  |       |

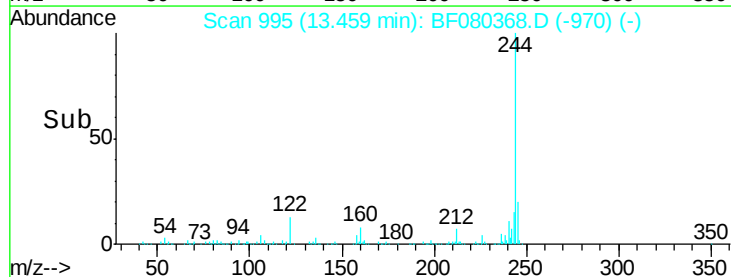
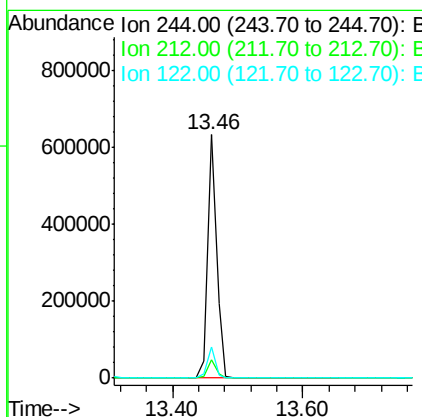
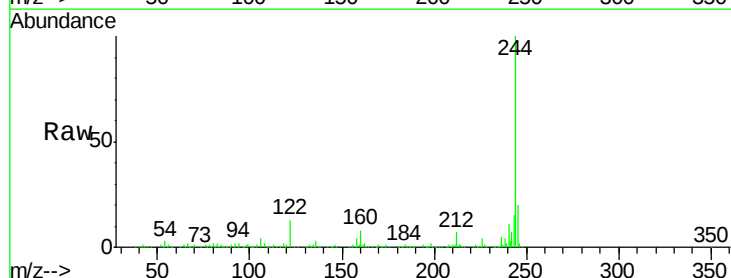
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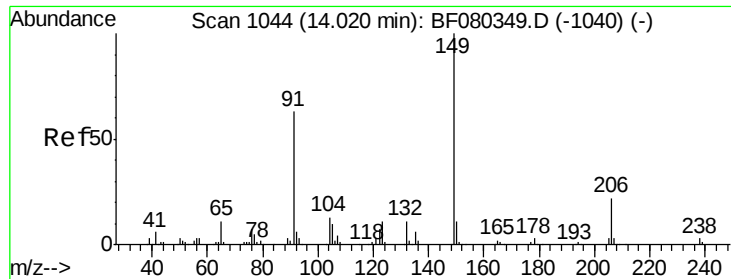
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#78  
 Terphenyl-d14  
 Concen: 71.65 ng  
 RT: 13.46 min Scan# 995  
 Delta R.T. -0.01 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 244     | 100   | 608000 |       |       |
| 212     | 7.3   | 5.8    | 8.8   |       |
| 122     | 12.6  | 11.1   | 16.7  |       |





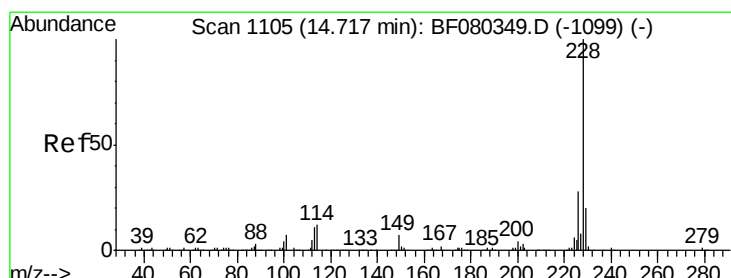
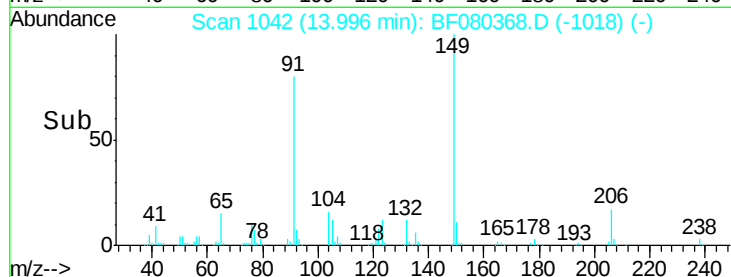
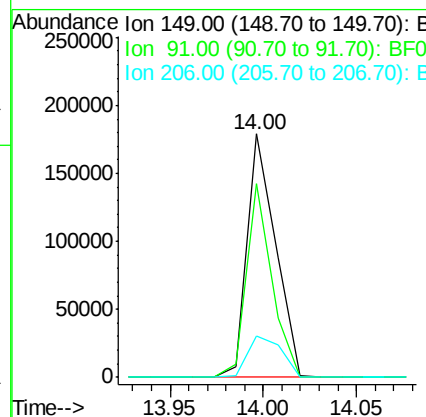
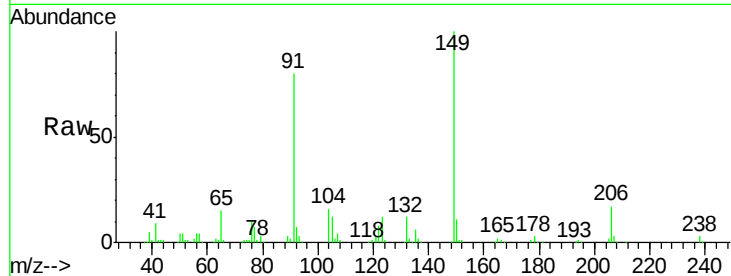
#79  
Butylbenzylphthalate  
Concen: 39.69 ng  
RT: 14.00 min Scan# 1042  
Delta R.T. -0.02 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-03-W-UM

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 149     | 100   |            |            |
| 91      | 79.8  | 50.8       | 76.2#      |
| 206     | 17.1  | 17.6       | 26.4#      |

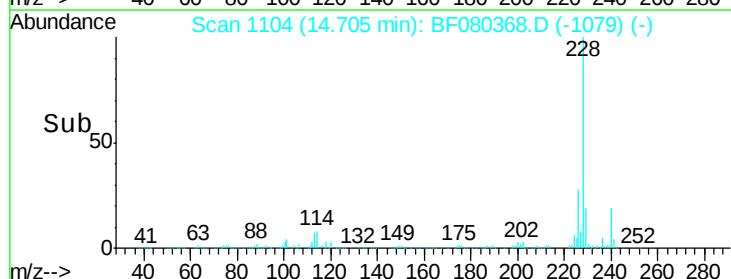
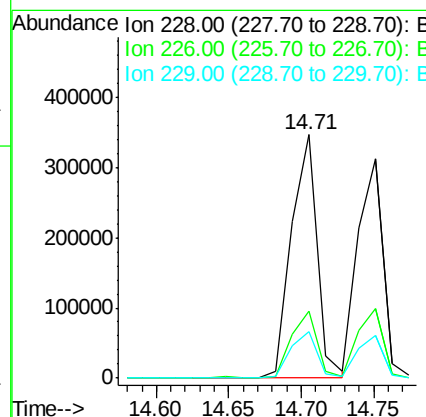
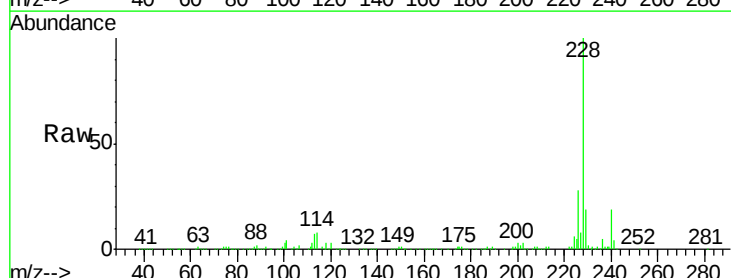
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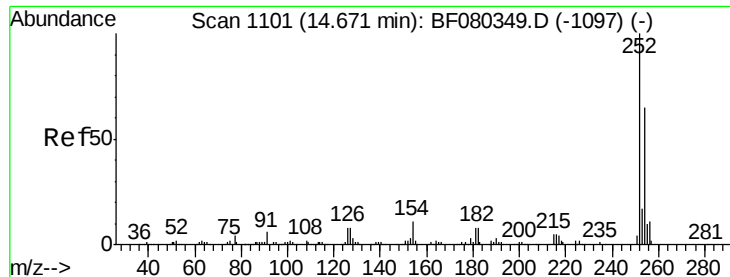
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#80  
Benzo(a)anthracene  
Concen: 35.86 ng  
RT: 14.71 min Scan# 1104  
Delta R.T. -0.01 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 27.6  | 22.2       | 33.4       |
| 229     | 19.1  | 16.0       | 24.0       |





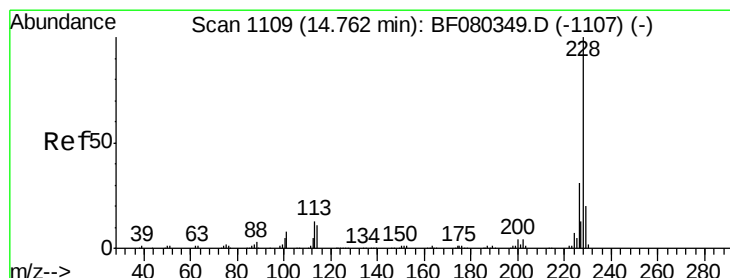
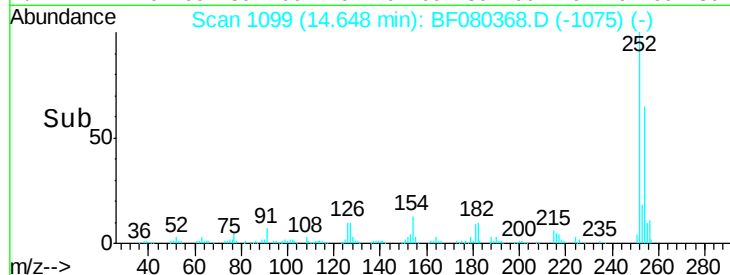
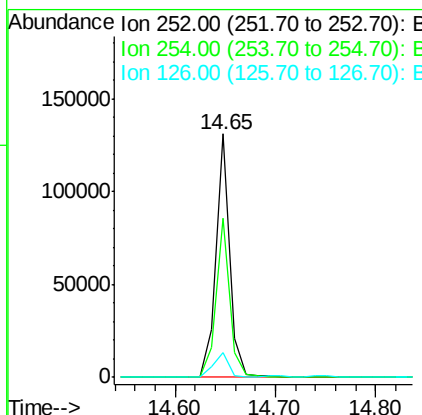
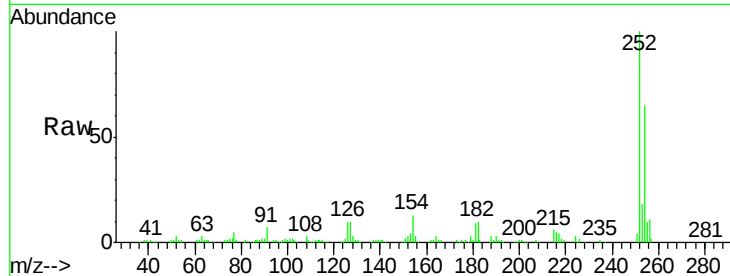
#81  
 3,3'-Dichlorobenzidine  
 Concen: 31.72 ng  
 RT: 14.65 min Scan# 1099  
 Delta R.T. -0.02 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 252     | 100   |            |            |
| 254     | 65.2  | 51.7       | 77.5       |
| 126     | 9.9   | 6.3        | 9.5        |

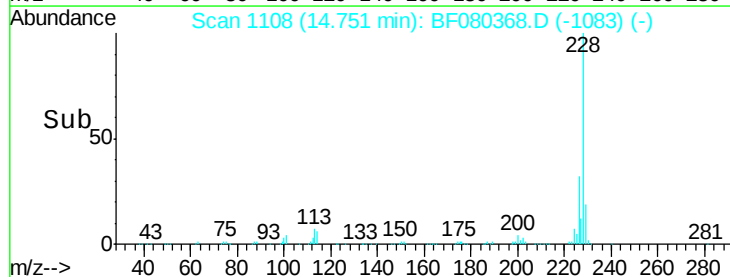
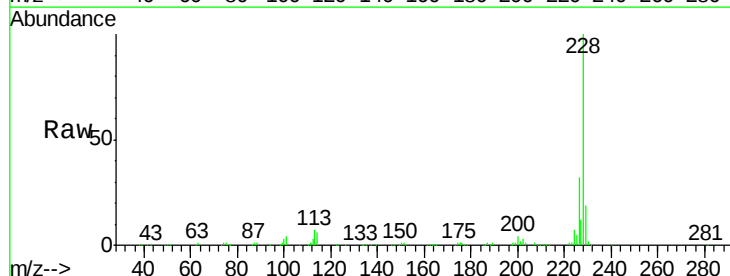
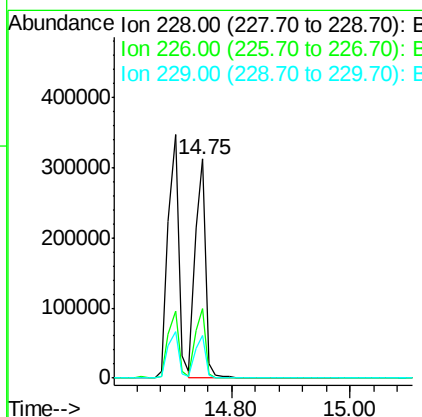
Manual Integrations  
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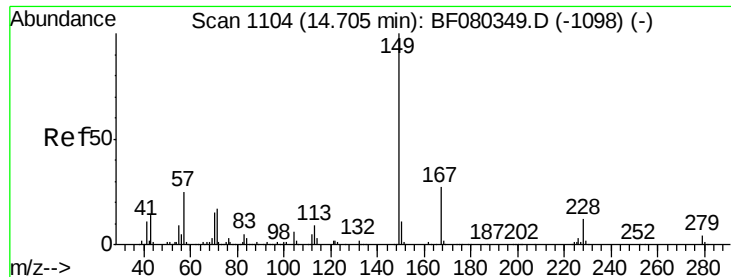
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#82  
 Chrysene  
 Concen: 34.58 ng  
 RT: 14.75 min Scan# 1108  
 Delta R.T. -0.01 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 31.5  | 25.0       | 37.4       |
| 229     | 19.5  | 16.1       | 24.1       |





#83

Bis(2-ethylhexyl)phthalate

Concen: 40.70 ng

RT: 14.68 min Scan# 1102

Delta R.T. -0.02 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

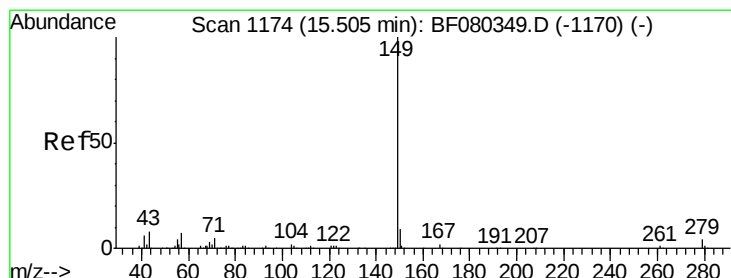
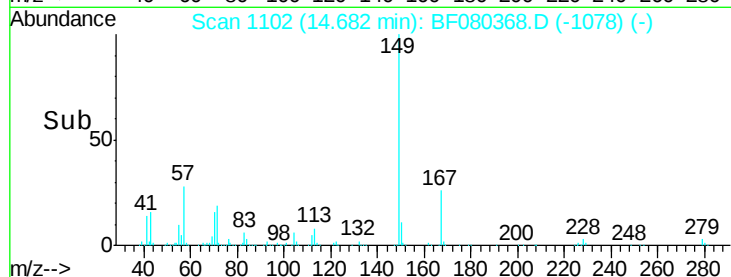
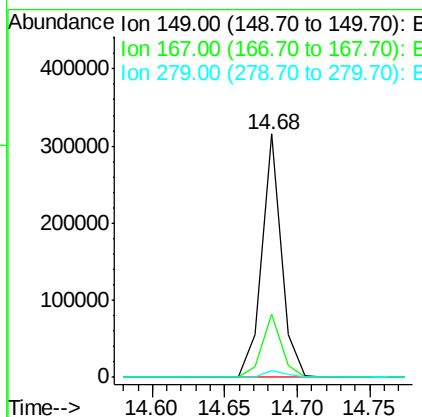
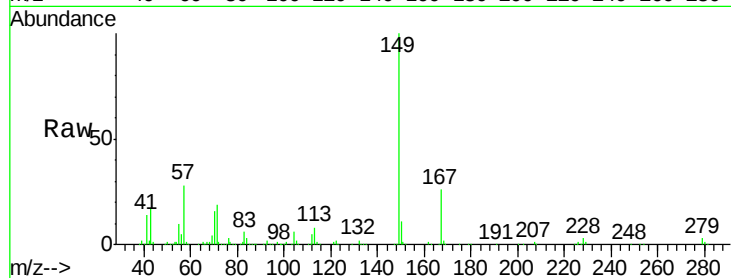
ClientSampleId :

IDOC-03-W-UM

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 149  | Resp: | 296324 |
| Ion Ratio |      | Lower | Upper  |
| 149       | 100  |       |        |
| 167       | 26.0 | 21.4  | 32.0   |
| 279       | 2.9  | 2.9   | 4.3    |

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#84

Di-n-octyl phthalate

Concen: 40.92 ng

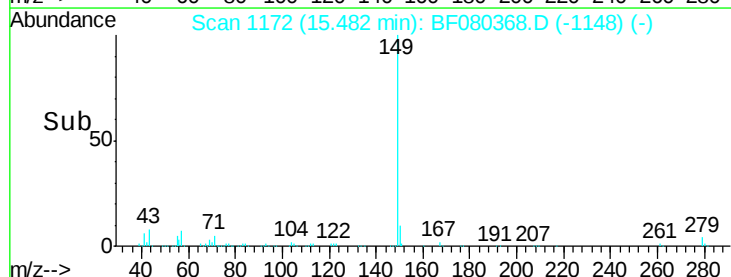
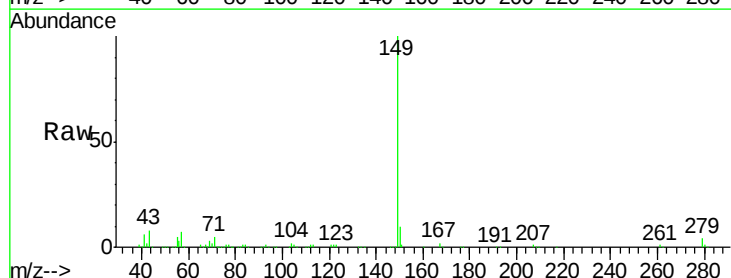
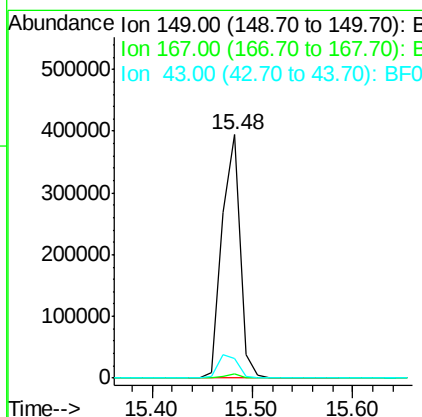
RT: 15.48 min Scan# 1172

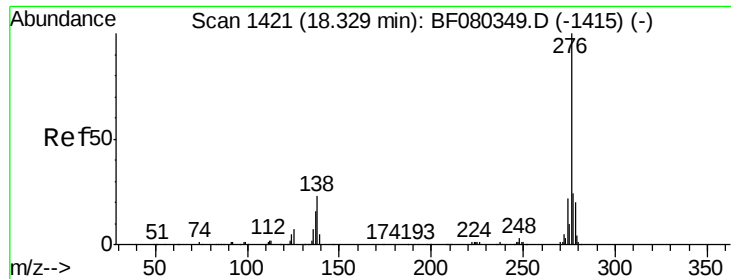
Delta R.T. -0.02 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 149  | Resp: | 492177 |
| Ion Ratio |      | Lower | Upper  |
| 149       | 100  |       |        |
| 167       | 1.5  | 1.2   | 1.8    |
| 43        | 10.7 | 9.1   | 13.7   |





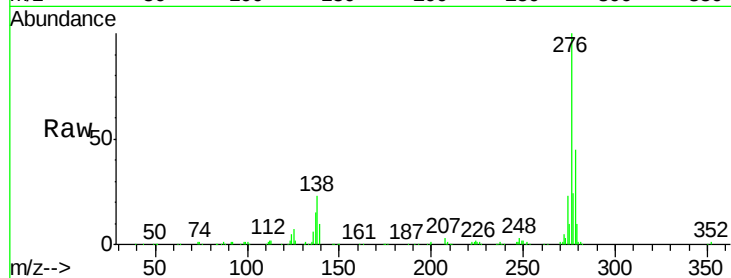
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 35.03 ng  
 RT: 18.32 min Scan# 1420  
 Delta R.T. -0.01 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

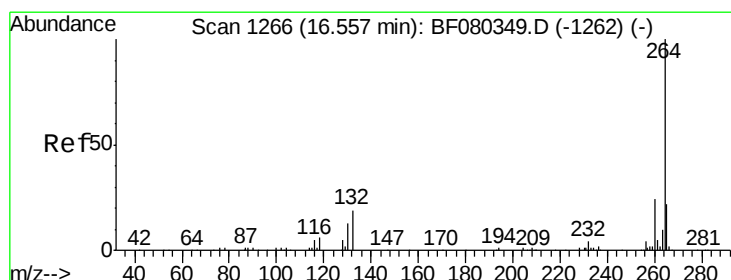
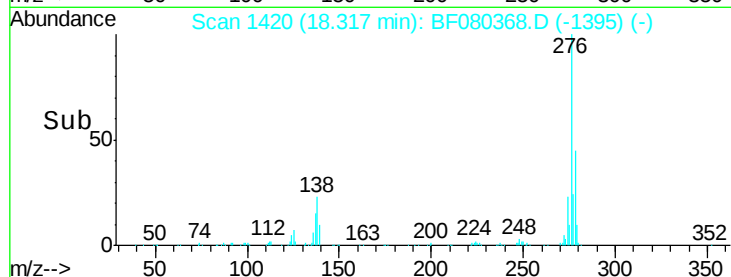
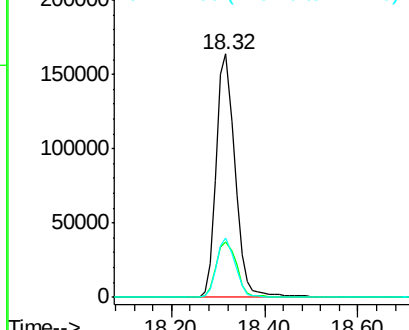
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.0  | 19.7  | 29.5  |
| 277     | 24.3  | 19.4  | 29.0  |

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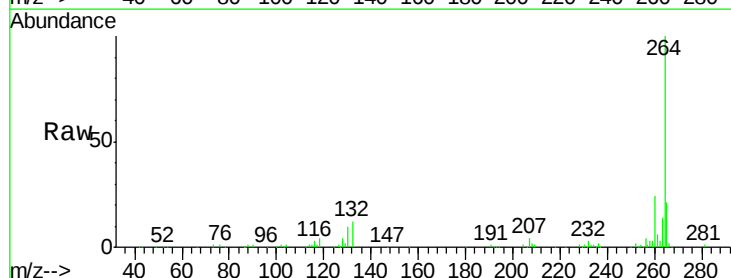


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

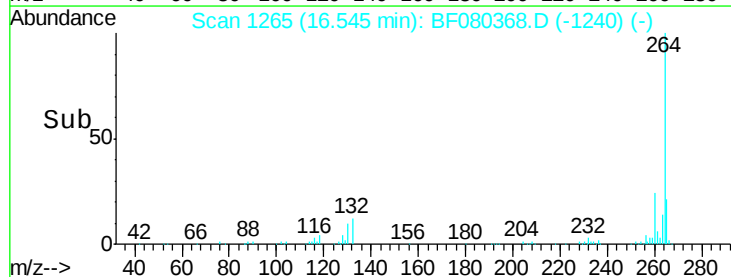
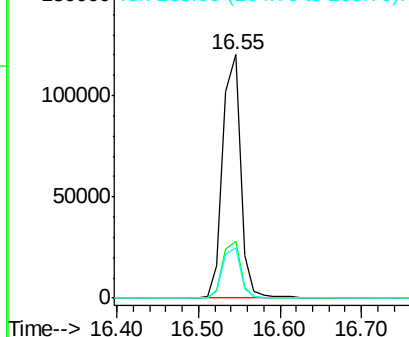


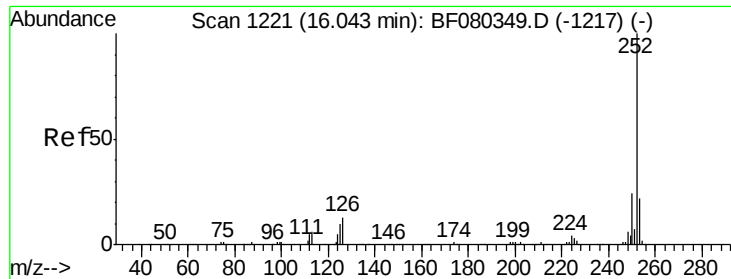
#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.55 min Scan# 1265  
 Delta R.T. -0.01 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.2  | 28.8  |
| 265     | 20.9  | 17.6  | 26.4  |



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 36.12 ng

RT: 16.02 min Scan# 1219

Delta R.T. -0.02 min

Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

Instrument :

BNA\_F

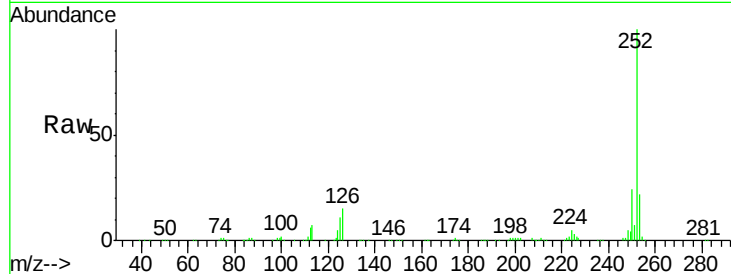
ClientSampleId :

IDOC-03-W-UM

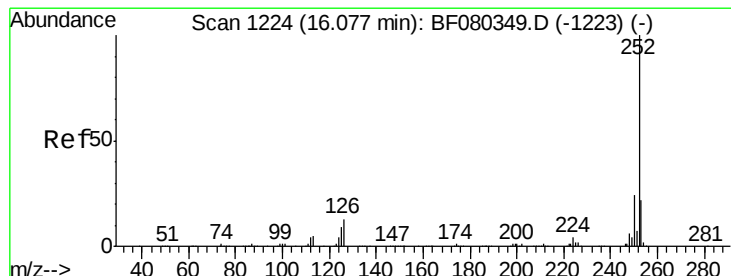
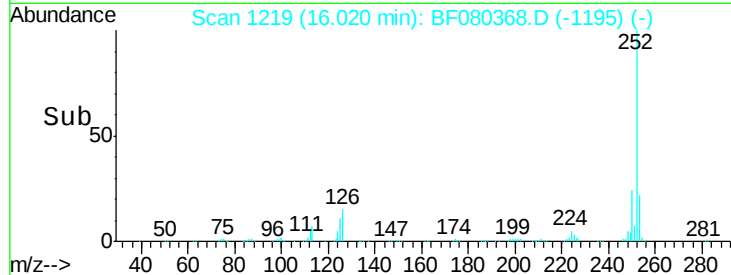
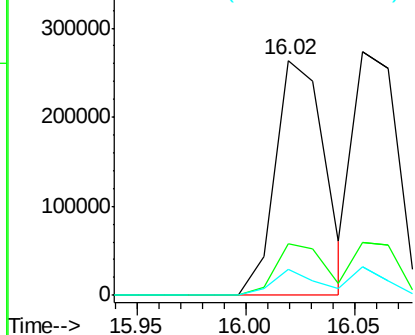
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 418075 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.7  | 17.8  | 26.8   |
| 125       | 10.9  | 7.7   | 11.5   |

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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



#88

Benzo(k)fluoranthene

Concen: 36.40 ng

RT: 16.05 min Scan# 1222

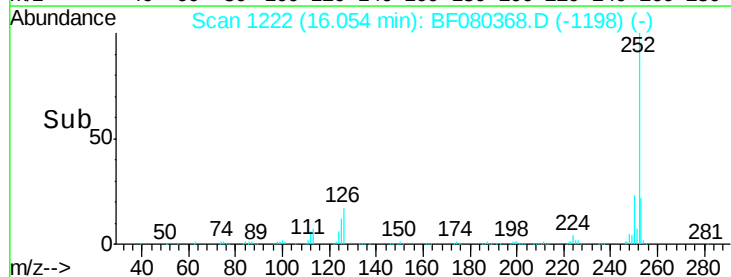
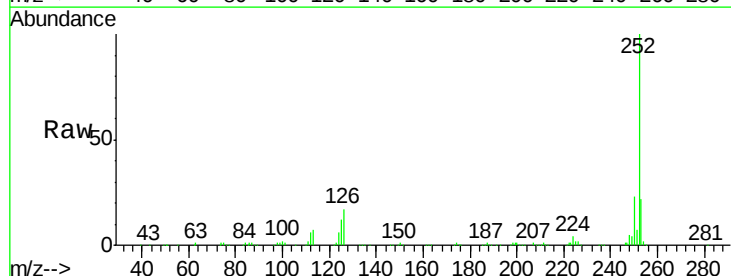
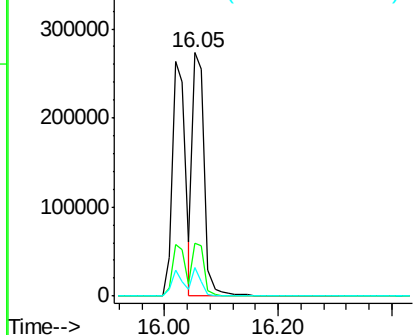
Delta R.T. -0.02 min

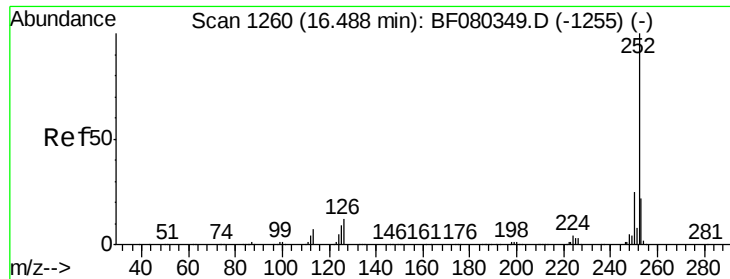
Lab File: BF080368.D

Acq: 7 Jul 2015 4:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 398717 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.8  | 17.8  | 26.6   |
| 125       | 11.7  | 8.5   | 12.7   |

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





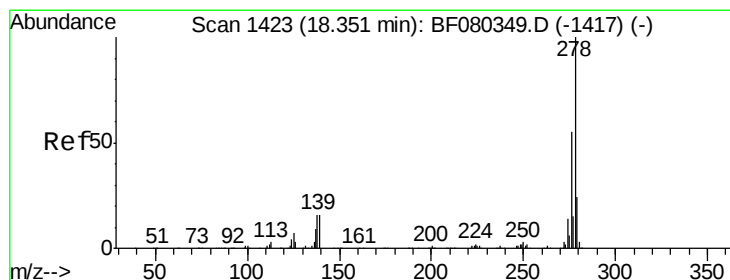
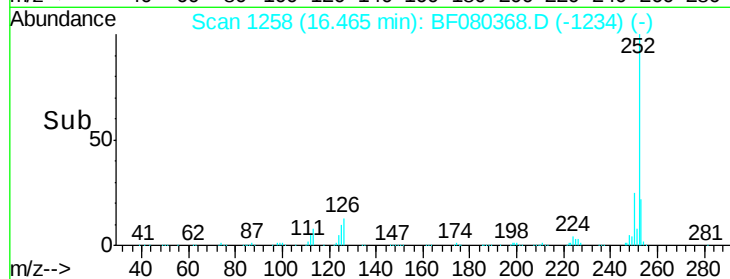
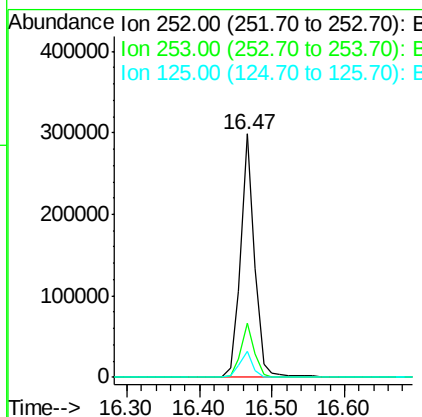
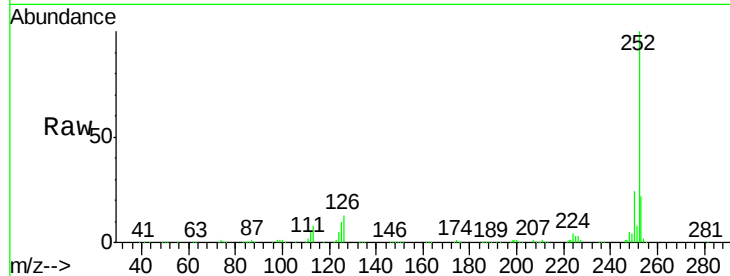
#89  
Benzo(a)pyrene  
Concen: 37.99 ng  
RT: 16.47 min Scan# 1258  
Delta R.T. -0.02 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-03-W-UM

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 252     | 100   |            |            |
| 253     | 22.1  | 17.8       | 26.8       |
| 125     | 10.4  | 7.3        | 10.9       |

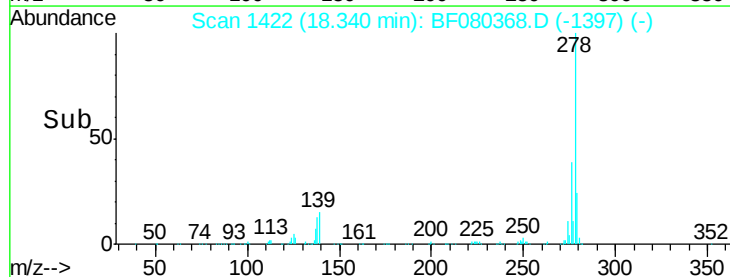
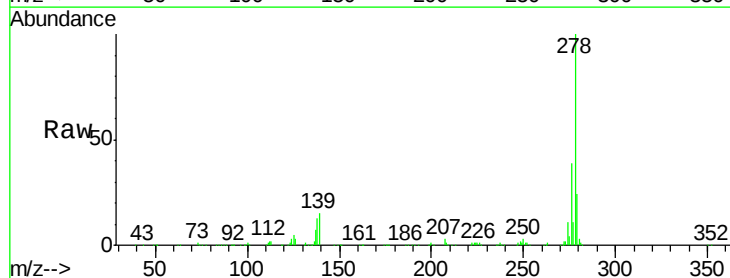
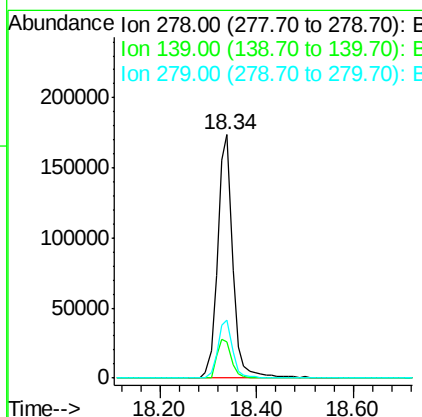
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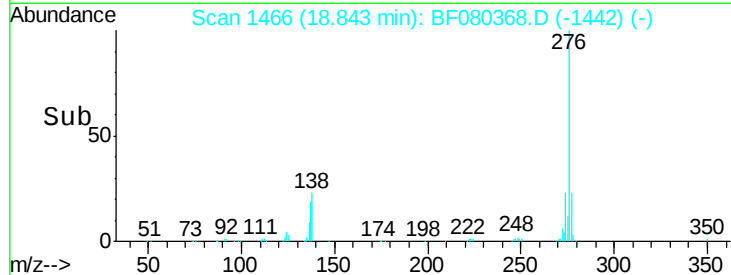
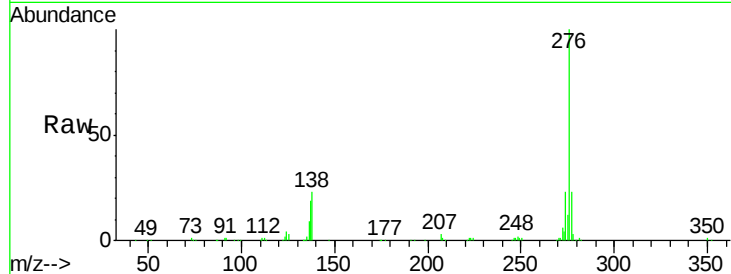
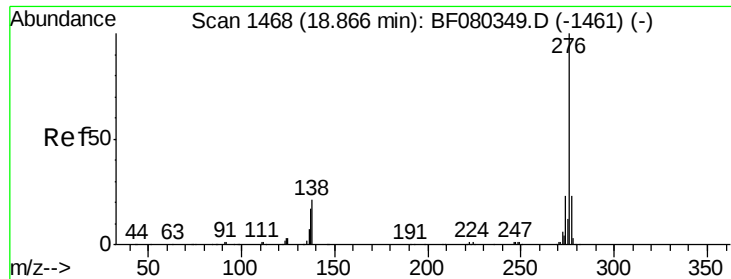
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#90  
Dibenzo(a,h)anthracene  
Concen: 36.87 ng  
RT: 18.34 min Scan# 1422  
Delta R.T. -0.01 min  
Lab File: BF080368.D  
Acq: 7 Jul 2015 4:47

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 278     | 100   |            |            |
| 139     | 14.8  | 13.0       | 19.6       |
| 279     | 23.7  | 19.1       | 28.7       |





#91  
 Benzo(g,h,i)perylene  
 Concen: 36.33 ng  
 RT: 18.84 min Scan# 1466  
 Delta R.T. -0.02 min  
 Lab File: BF080368.D  
 Acq: 7 Jul 2015 4:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-03-W-UM

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 384019 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.0  | 18.6  | 28.0   |
| 138       | 22.7  | 16.8  | 25.2   |

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