

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF021518\  
 Data File : BF103015.D  
 Acq On : 15 Feb 2018 14:04  
 Operator : SJ/JU  
 Sample : PB106541BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106541BS

Manual Integrations  
 APPROVED

Sohil  
 2/16/2018 2:31:13 PM

Quant Time: Feb 15 14:41:36 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 15 14:08:58 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.87  | 152  | 163419   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.16  | 136  | 712804   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.92  | 164  | 335817   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.40 | 188  | 606249   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.05 | 240  | 450903   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.53 | 264  | 423665   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.50  | 112 | 1311127 | 121.84 | ng | 0.01 |
| 7) Phenol-d6             | 6.51  | 99  | 1605534 | 123.92 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.45  | 82  | 1033618 | 100.59 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 360089  | 133.22 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.23  | 172 | 1690044 | 83.51  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.99 | 244 | 1608541 | 84.47  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.72 | 88  | 203075  | 38.208 | ng | 87     |
| 3) Pyridine                    | 3.49 | 79  | 593458  | 40.414 | ng | 90     |
| 4) n-Nitrosodimethylamine      | 3.45 | 42  | 283460  | 45.117 | ng | 98     |
| 6) Aniline                     | 6.54 | 93  | 483943  | 25.292 | ng | 96     |
| 8) 2-Chlorophenol              | 6.66 | 128 | 498104  | 44.962 | ng | 93     |
| 9) Benzaldehyde                | 6.43 | 77  | 121459  | 12.623 | ng | 99     |
| 10) Phenol                     | 6.53 | 94  | 642434  | 46.267 | ng | 94     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93  | 491975  | 42.580 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 6.82 | 146 | 522349  | 40.717 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.89 | 146 | 526450  | 41.196 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.05 | 146 | 478939  | 40.237 | ng | 99     |
| 15) Benzyl Alcohol             | 7.02 | 79  | 445192  | 44.692 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45  | 871551  | 39.709 | ng | 99     |
| 17) 2-Methylphenol             | 7.13 | 107 | 439703  | 43.029 | ng | 99     |
| 18) Hexachloroethane           | 7.39 | 117 | 194991  | 44.496 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70  | 339198  | 39.707 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.28 | 107 | 501746  | 39.816 | ng | # 81   |
| 22) Acetophenone               | 7.29 | 105 | 667912  | 38.291 | ng | # 90   |
| 24) Nitrobenzene               | 7.46 | 77  | 553264  | 45.776 | ng | 98     |
| 25) Isophorone                 | 7.70 | 82  | 1033470 | 43.679 | ng | 99     |
| 26) 2-Nitrophenol              | 7.77 | 139 | 289851  | 56.499 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.81 | 122 | 482421  | 48.261 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93  | 635911  | 45.370 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.02 | 162 | 423765  | 46.634 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.10 | 180 | 413487  | 40.222 | ng | 96     |
| 31) Naphthalene                | 8.18 | 128 | 1422110 | 40.835 | ng | 99     |
| 32) Benzoic acid               | 7.94 | 122 | 289585  | 42.927 | ng | 95     |
| 33) 4-Chloroaniline            | 8.23 | 127 | 177352  | 11.821 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.29 | 225 | 206224  | 39.149 | ng | 98     |
| 35) Caprolactam                | 8.60 | 113 | 162693m | 51.553 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107 | 487264  | 47.724 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.87 | 142 | 958732  | 42.048 | ng | 100    |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 363599  | 39.765 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.02 | 237 | 306136  | 70.429 | ng | 99     |

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Manual Integrations  
 APPROVED

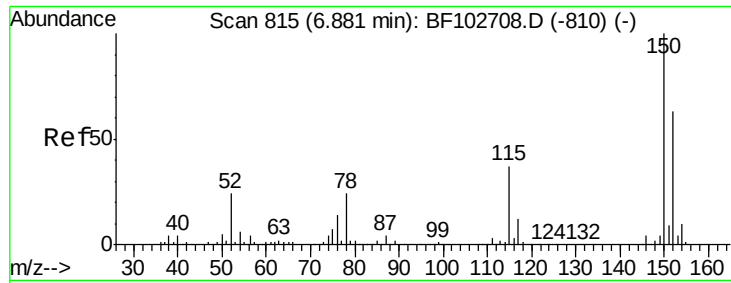
Sohil  
 2/16/2018 2:31:13 PM

Quant Time: Feb 15 14:41:36 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
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 QLast Update : Thu Feb 15 14:08:58 2018  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.15  | 196  | 273155   | 45.482 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.20  | 196  | 292819   | 43.258 | ng    | 96       |
| 45) 1,1'-Biphenyl              | 9.34  | 154  | 1104077  | 39.034 | ng    | 100      |
| 46) 2-Chloronaphthalene        | 9.36  | 162  | 888930   | 39.920 | ng    | 100      |
| 47) 2-Nitroaniline             | 9.46  | 65   | 343729   | 49.877 | ng    | 93       |
| 48) Acenaphthylene             | 9.78  | 152  | 1366063  | 39.498 | ng    | 99       |
| 49) Dimethylphthalate          | 9.64  | 163  | 1089421  | 41.606 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.70  | 165  | 250923   | 50.370 | ng    | 96       |
| 51) Acenaphthene               | 9.95  | 154  | 801309   | 38.742 | ng    | 98       |
| 52) 3-Nitroaniline             | 9.87  | 138  | 151500   | 24.716 | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 9.98  | 184  | 179489   | 94.767 | ng    | # 19     |
| 54) Dibenzofuran               | 10.13 | 168  | 1196411  | 41.045 | ng    | 98       |
| 55) 4-Nitrophenol              | 10.04 | 139  | 429131   | 84.931 | ng    | 91       |
| 56) 2,4-Dinitrotoluene         | 10.11 | 165  | 331698   | 49.542 | ng    | 96       |
| 57) Fluorene                   | 10.47 | 166  | 917117   | 43.244 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 224769   | 47.909 | ng    | 99       |
| 59) Diethylphthalate           | 10.34 | 149  | 1060117  | 41.003 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.46 | 204  | 404406   | 43.106 | ng    | 98       |
| 61) 4-Nitroaniline             | 10.49 | 138  | 293332   | 50.275 | ng    | 94       |
| 62) Azobenzene                 | 10.62 | 77   | 1072438  | 41.521 | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 137727   | 52.754 | ng    | 84       |
| 65) n-Nitrosodiphenylamine     | 10.58 | 169  | 860926   | 40.260 | ng    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.95 | 248  | 256811   | 40.045 | ng    | 97       |
| 67) Hexachlorobenzene          | 11.02 | 284  | 279854   | 39.557 | ng    | 96       |
| 68) Atrazine                   | 11.10 | 200  | 275362   | 43.649 | ng    | 99       |
| 69) Pentachlorophenol          | 11.21 | 266  | 273526   | 65.862 | ng    | 99       |
| 70) Phenanthrene               | 11.43 | 178  | 1353053  | 40.074 | ng    | 99       |
| 71) Anthracene                 | 11.49 | 178  | 1396551  | 40.667 | ng    | 99       |
| 72) Carbazole                  | 11.64 | 167  | 1354200  | 40.251 | ng    | 98       |
| 73) Di-n-butylphthalate        | 11.96 | 149  | 1704171  | 41.699 | ng    | 100      |
| 74) Fluoranthene               | 12.62 | 202  | 1413552  | 41.611 | ng    | 99       |
| 76) Benzidine                  | 12.74 | 184  | 536304   | 25.879 | ng    | 98       |
| 77) Pyrene                     | 12.85 | 202  | 1424227  | 40.280 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.46 | 149  | 765982   | 45.348 | ng    | 98       |
| 80) Benzo(a)anthracene         | 14.04 | 228  | 1247564  | 43.994 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.00 | 252  | 248088   | 23.595 | ng    | 99       |
| 82) Chrysene                   | 14.08 | 228  | 1153839  | 40.364 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 1039396  | 47.987 | ng    | 100      |
| 84) Di-n-octyl phthalate       | 14.63 | 149  | 1750593  | 53.827 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.03 | 276  | 1035810  | 43.689 | ng    | 98       |
| 87) Benzo(b)fluoranthene       | 15.09 | 252  | 1188450  | 43.267 | ng    | 96       |
| 88) Benzo(k)fluoranthene       | 15.13 | 252  | 1051795  | 40.076 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.47 | 252  | 1057469  | 42.770 | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 17.05 | 278  | 859697   | 42.839 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 17.49 | 276  | 875554   | 44.575 | ng    | 97       |

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





#1

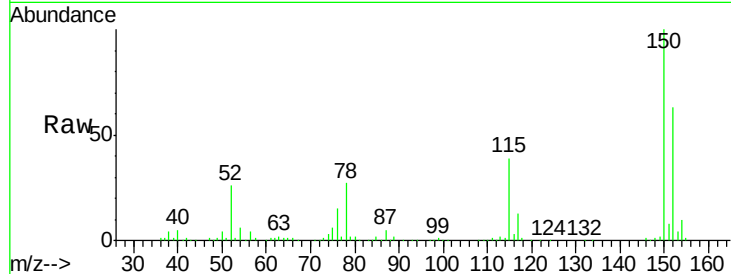
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 814  
Delta R.T. -0.01 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS

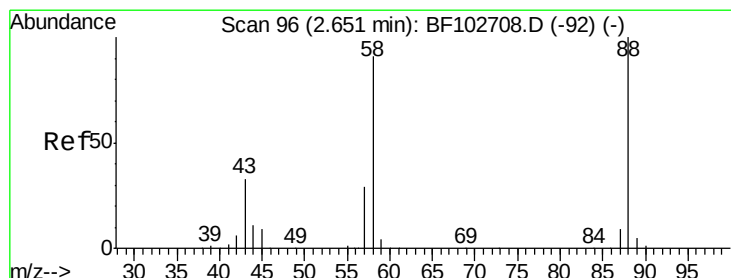
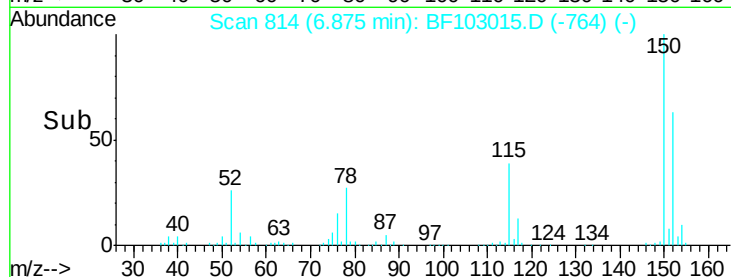
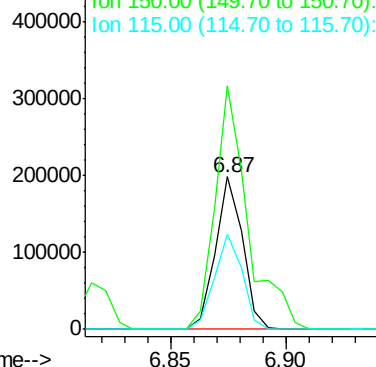
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.7 | 124.6 | 186.8 |
| 115     | 62.7  | 50.1  | 75.1  |

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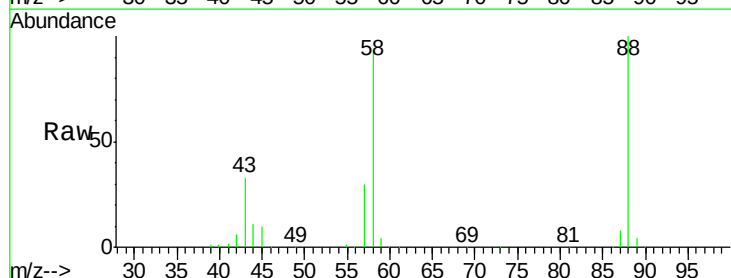
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



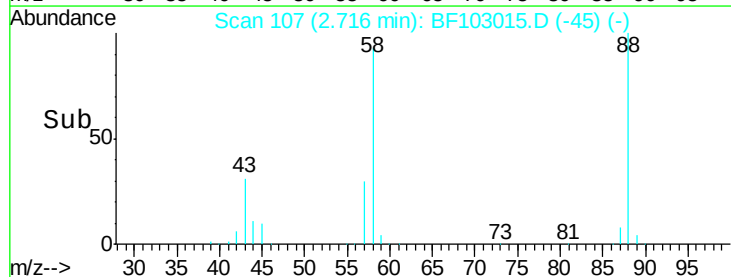
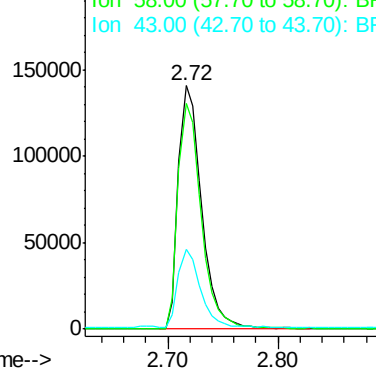
#2

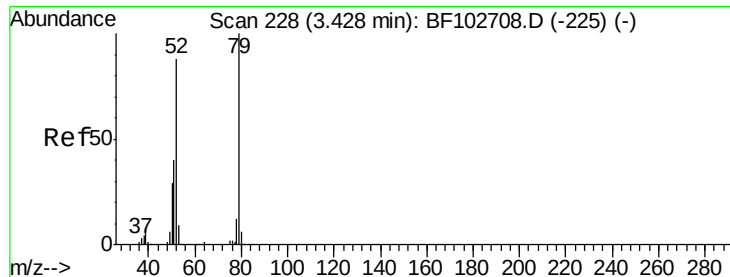
1,4-Dioxane  
Concen: 38.208 ng  
RT: 2.72 min Scan# 107  
Delta R.T. 0.06 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 93.2  | 62.6  | 93.8  |
| 43      | 31.1  | 24.6  | 37.0  |



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 40.414 ng

RT: 3.49 min Scan# 239

Delta R.T. 0.06 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

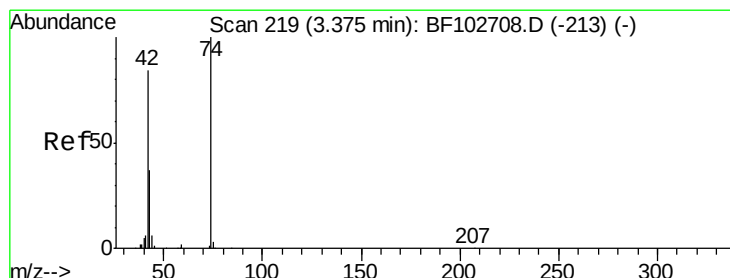
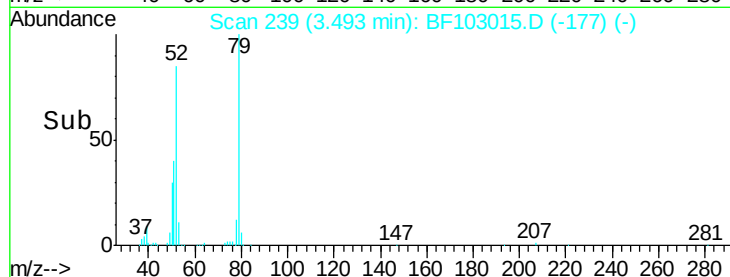
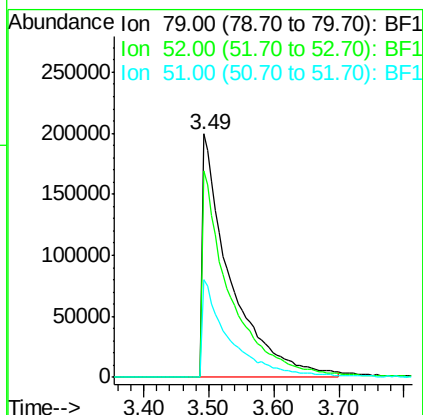
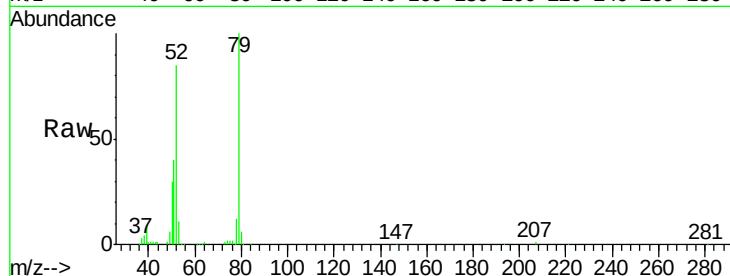
ClientSampleId :

PB106541BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 79    | Resp: | 593458 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 84.9  | 59.8  | 89.6   |
| 51        | 40.3  | 29.8  | 44.8   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 45.117 ng

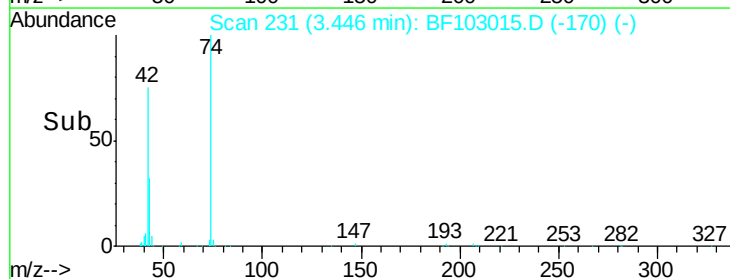
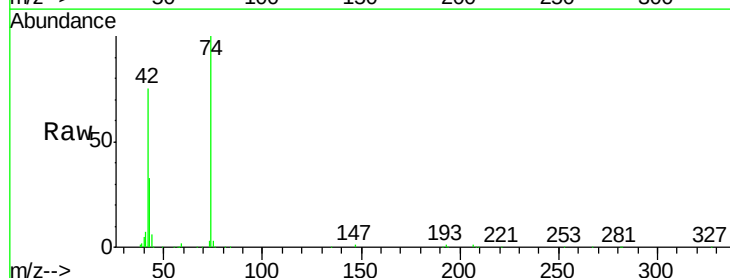
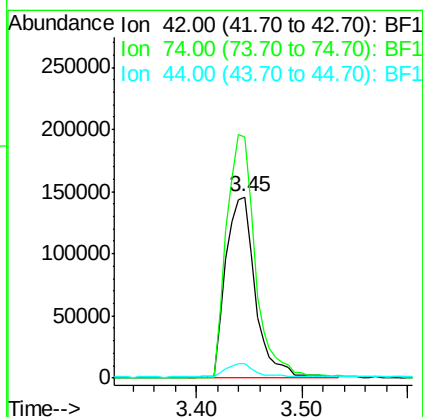
RT: 3.45 min Scan# 231

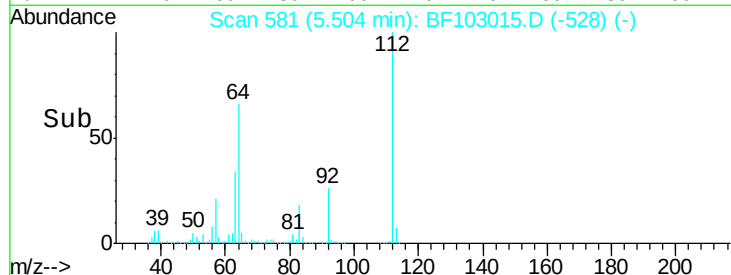
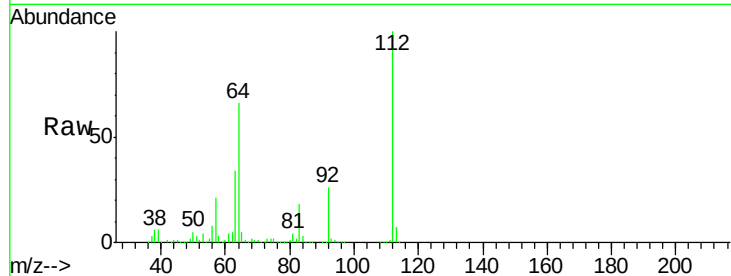
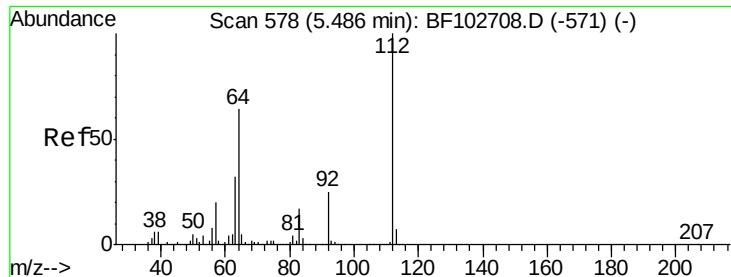
Delta R.T. 0.06 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 283460 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 133.2 | 104.9 | 157.3  |
| 44        | 7.9   | 6.9   | 10.3   |





#5

2-Fluorophenol

Concen: 121.844 ng

RT: 5.50 min Scan# 581

Delta R.T. 0.01 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 112   | Resp: | 1311127 |
| Ion      | Ratio | Lower | Upper   |
| 112      | 100   |       |         |
| 64       | 66.4  | 47.9  | 71.9    |
| 63       | 33.8  | 23.7  | 35.5    |

Instrument :

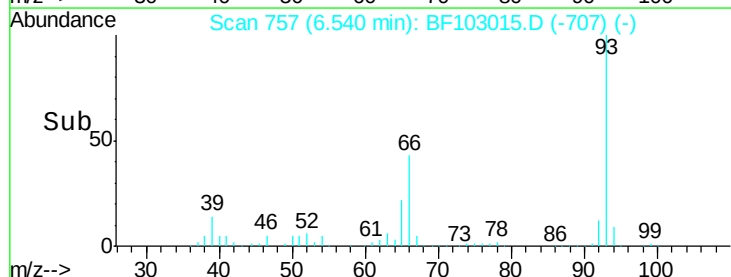
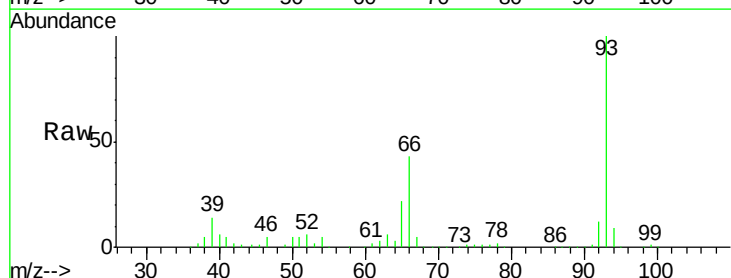
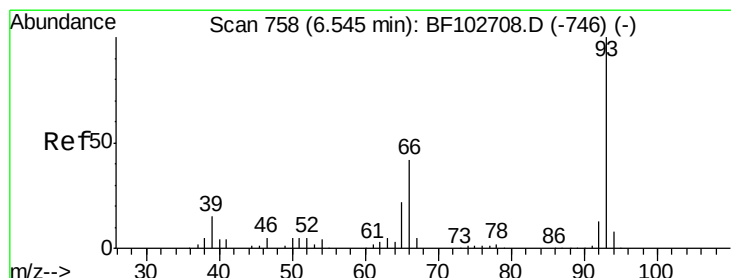
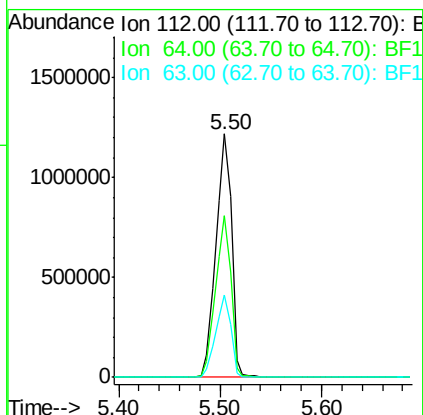
BNA\_F

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PB106541BS

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#6

Aniline

Concen: 25.292 ng

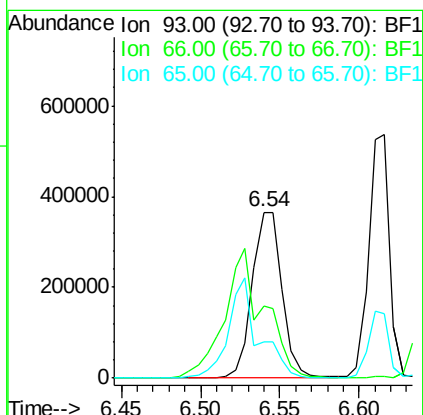
RT: 6.54 min Scan# 757

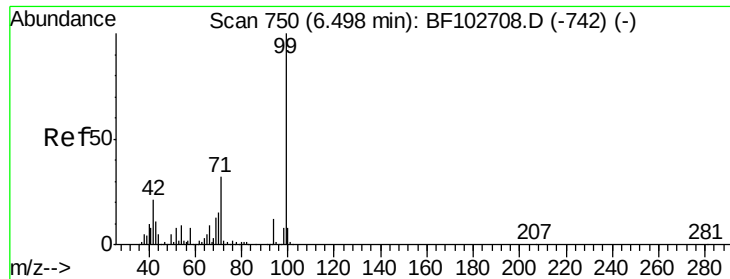
Delta R.T. -0.01 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 483943 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 43.4  | 32.2  | 48.2   |
| 65       | 21.6  | 16.4  | 24.6   |





#7

Phenol-d6

Concen: 123.916 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

ClientSampleId :

PB106541BS

Tgt Ion: 99 Resp: 1605534

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

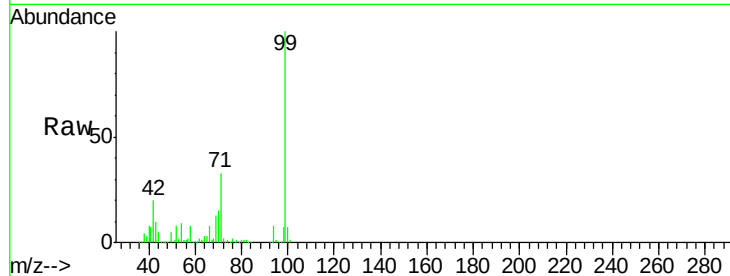
71 32.9 25.4 38.0

Manual Integrations

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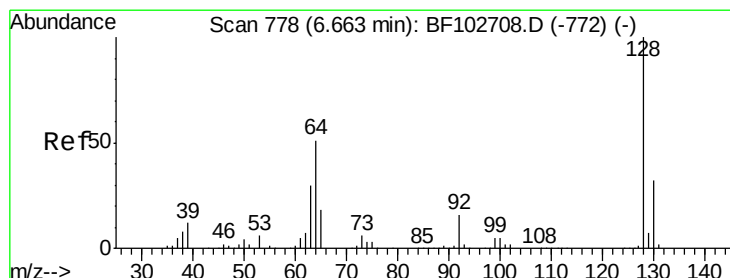
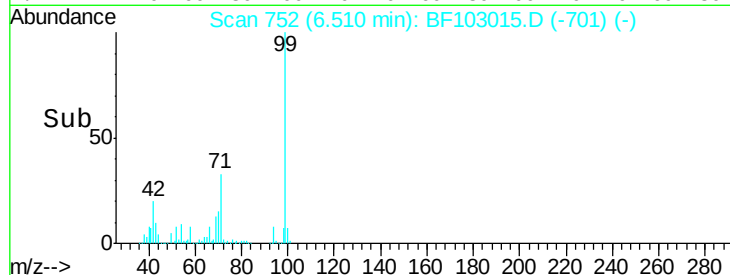
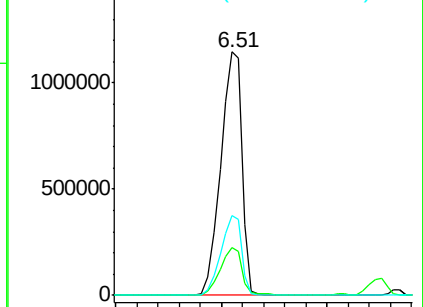
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.962 ng

RT: 6.66 min Scan# 778

Delta R.T. 0.00 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

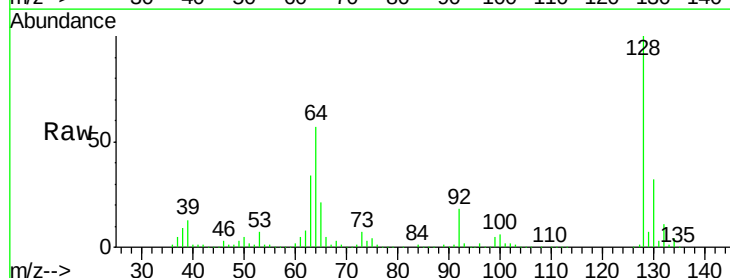
Tgt Ion: 128 Resp: 498104

Ion Ratio Lower Upper

128 100

130 31.8 13.0 53.0

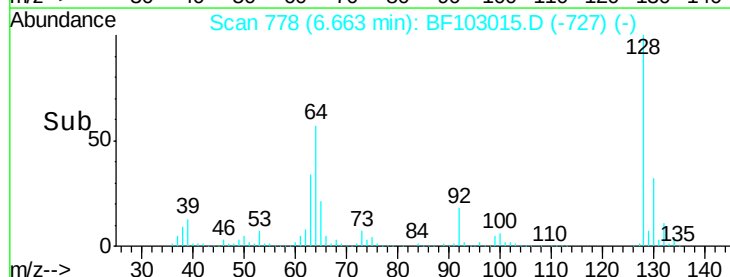
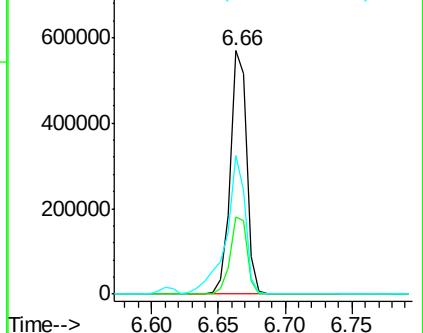
64 56.8 29.4 69.4



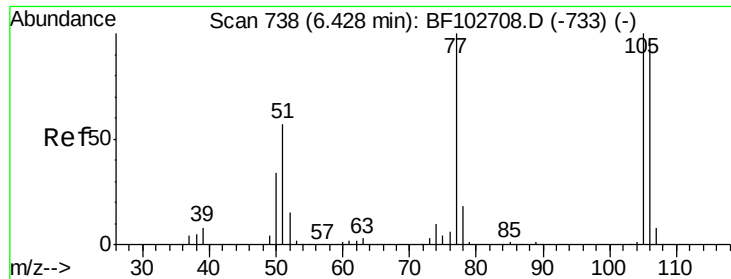
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1







#9

Benzaldehyde

Concen: 12.623 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

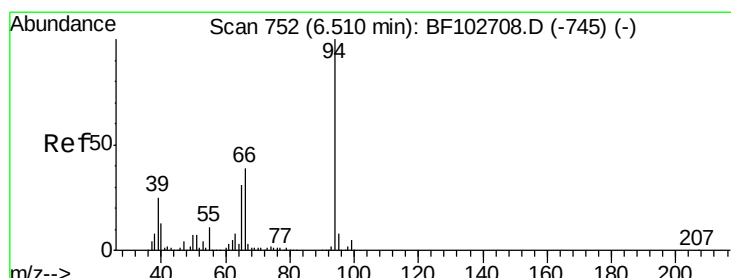
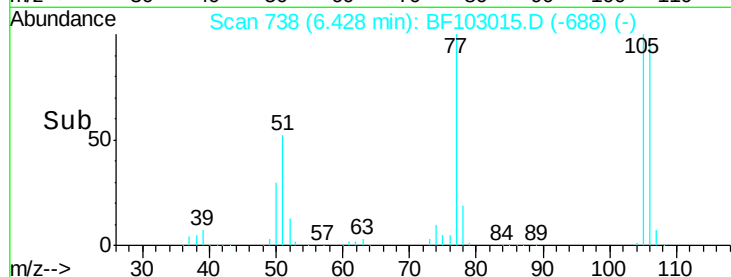
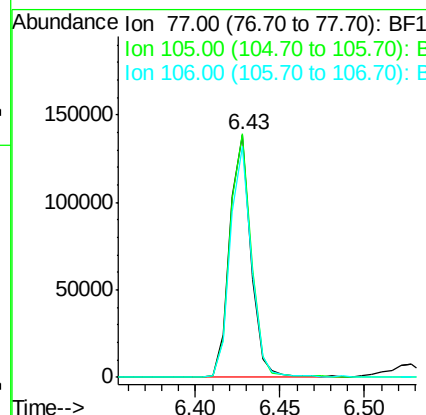
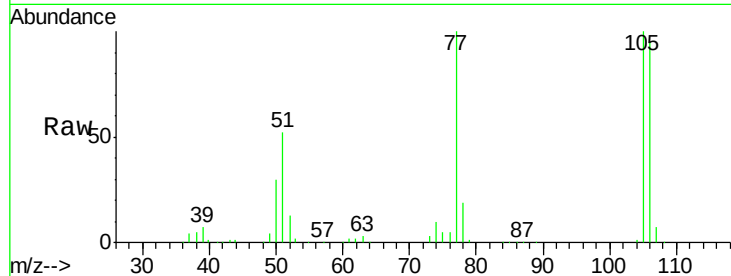
ClientSampleId :

PB106541BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 121459 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 100.3 | 81.1  | 121.1  |
| 106      | 95.3  | 74.5  | 114.5  |

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#10

Phenol

Concen: 46.267 ng

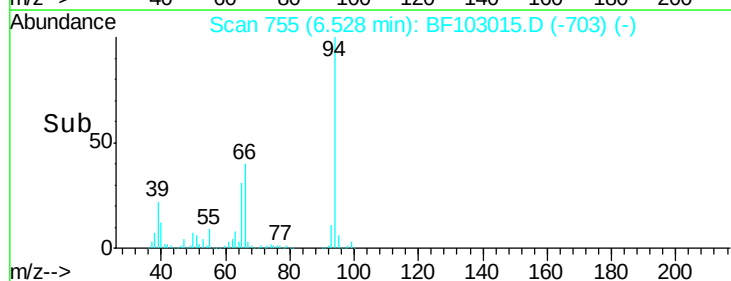
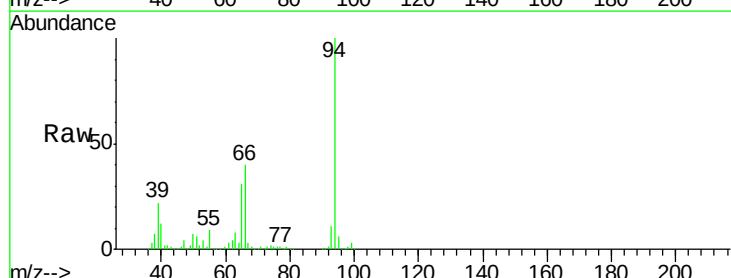
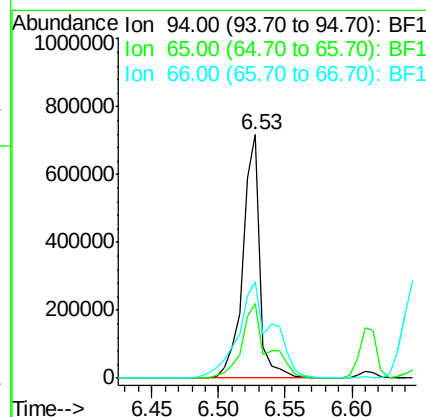
RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

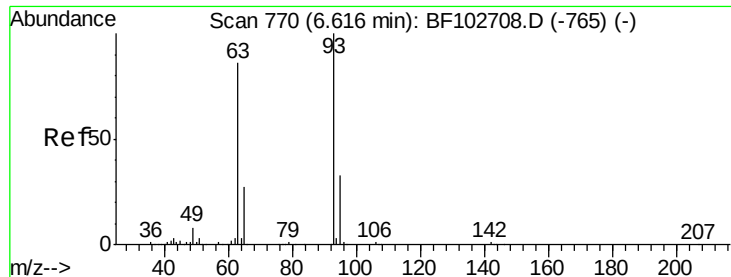
Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 642434 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 30.6  | 7.9   | 47.9   |
| 66       | 39.8  | 16.2  | 56.2   |







#11

bis(2-Chloroethyl)ether

Concen: 42.580 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

ClientSampleId :

PB106541BS

Tgt Ion: 93 Resp: 491975  
Ion Ratio Lower Upper

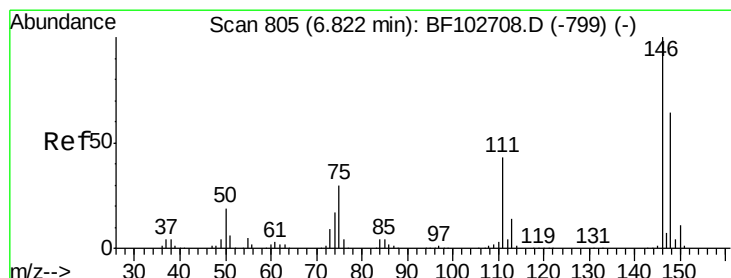
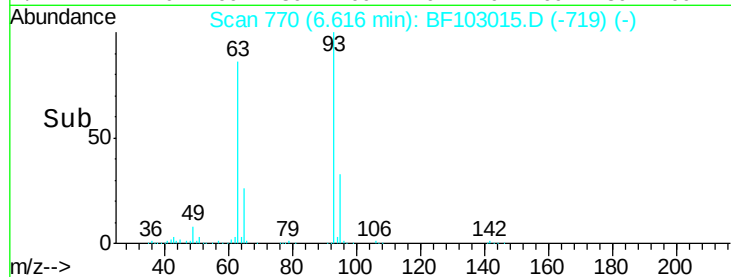
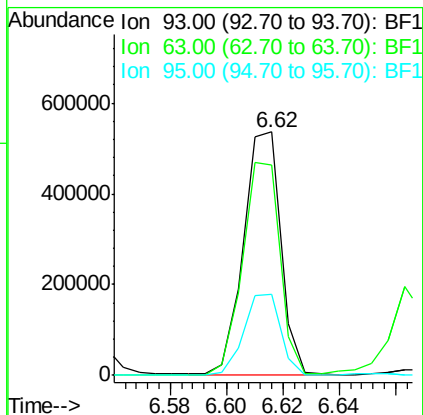
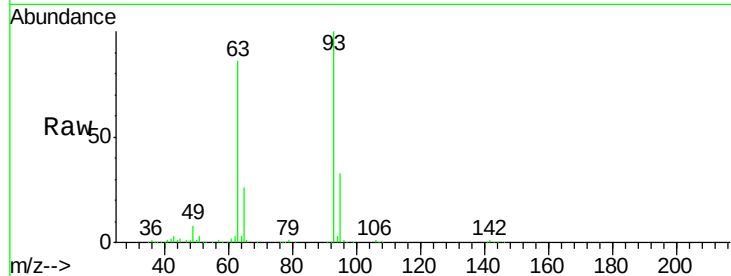
93 100

63 86.4 58.6 98.6

95 33.1 11.8 51.8

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#12

1,3-Dichlorobenzene

Concen: 40.717 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF103015.D

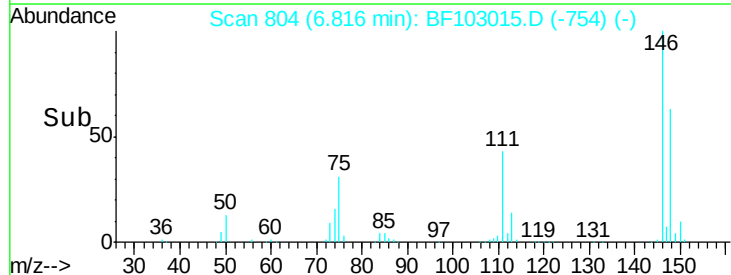
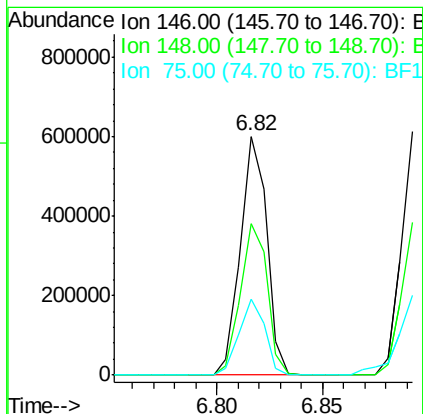
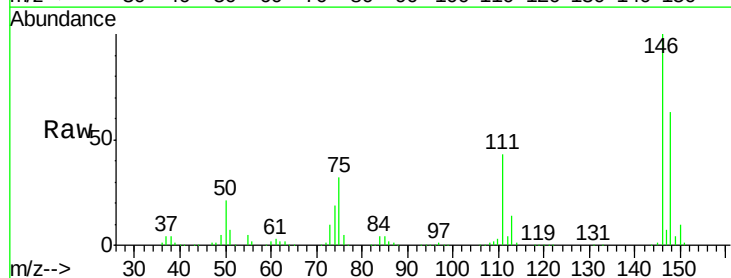
Acq: 15 Feb 2018 14:04

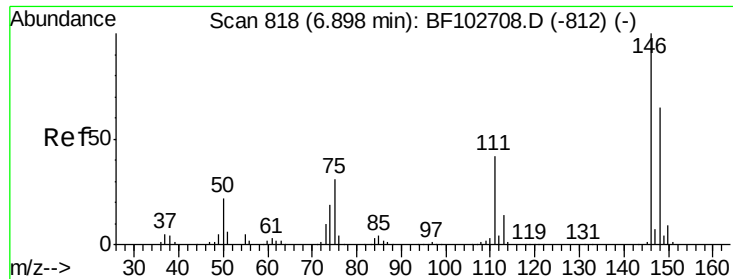
Tgt Ion: 146 Resp: 522349  
Ion Ratio Lower Upper

146 100

148 63.1 51.8 77.8

75 32.0 24.2 36.4





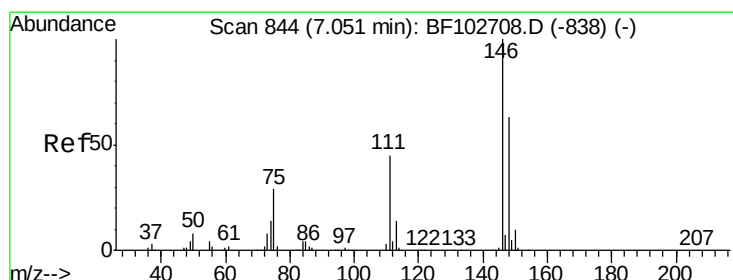
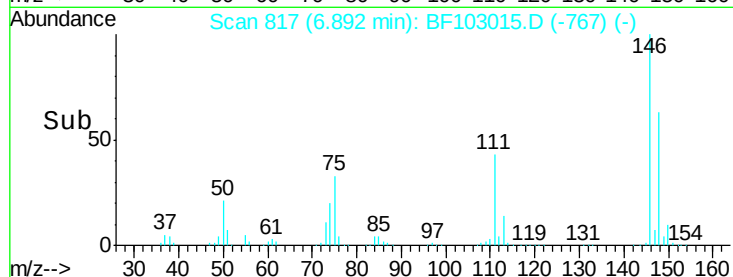
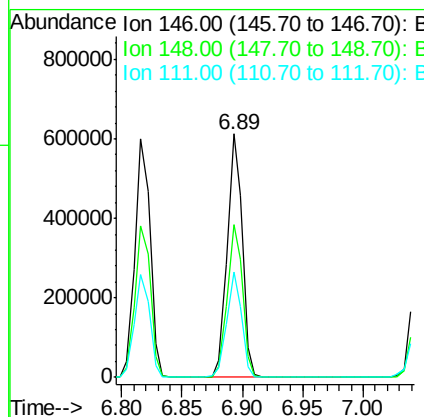
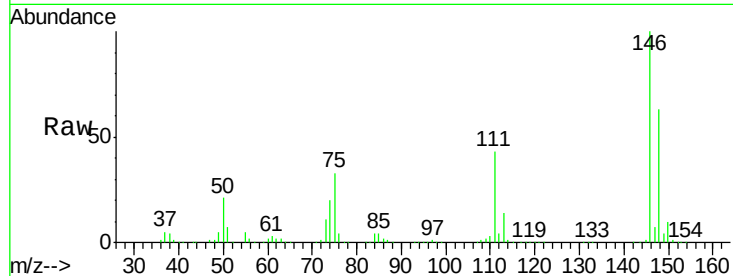
#13  
1,4-Dichlorobenzene  
Concen: 41.196 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 526450 |       |       |
| 148     | 62.9  | 50.8   | 76.2  |       |
| 111     | 43.3  | 34.2   | 51.2  |       |

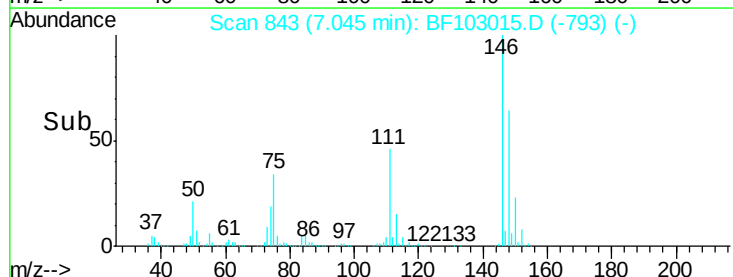
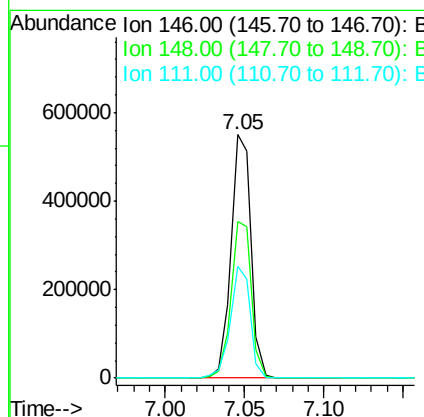
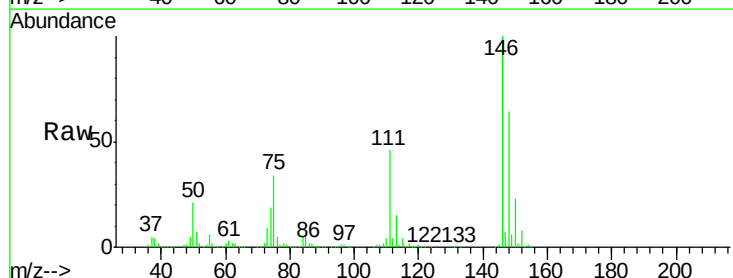
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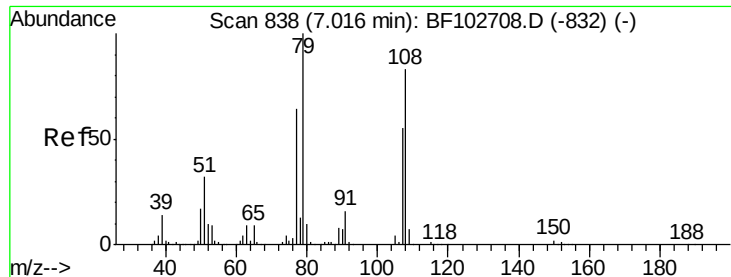
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#14  
1,2-Dichlorobenzene  
Concen: 40.237 ng  
RT: 7.05 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 478939 |       |       |
| 148     | 64.2  | 50.6   | 75.8  |       |
| 111     | 46.0  | 36.0   | 54.0  |       |





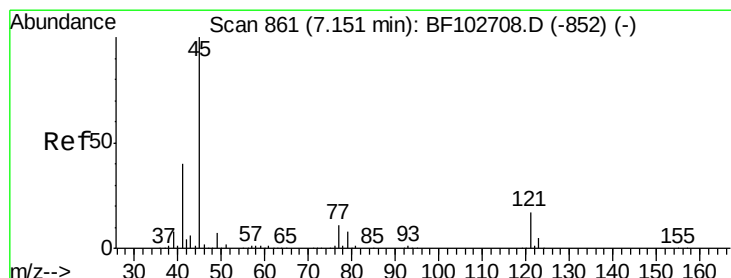
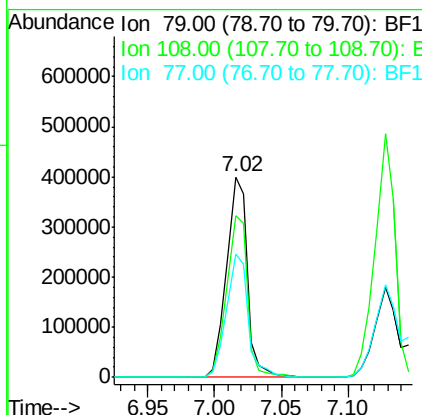
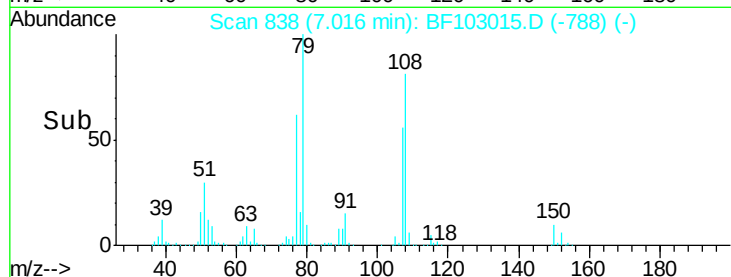
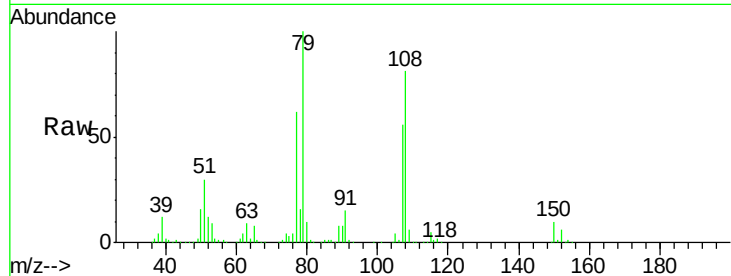
#15  
Benzyl Alcohol  
Concen: 44.692 ng  
RT: 7.02 min Scan# 838  
Delta R.T. -0.01 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS

Tgt Ion: 79 Resp: 445192  
Ion Ratio Lower Upper  
79 100  
108 81.1 65.1 97.7  
77 61.7 50.6 75.8

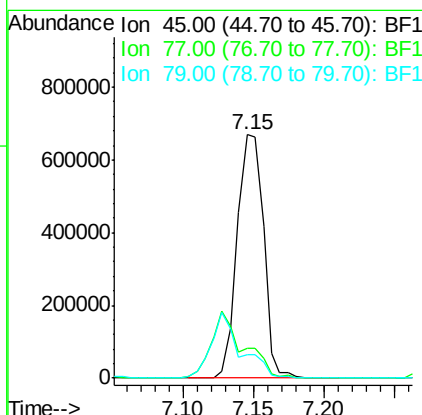
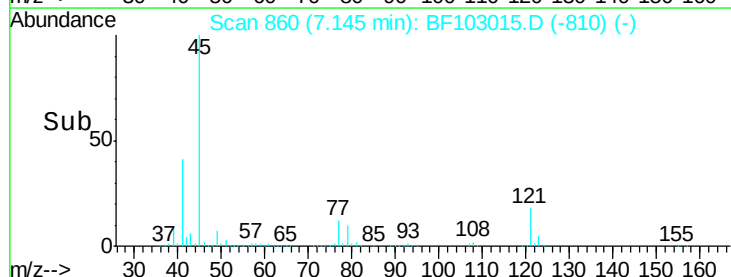
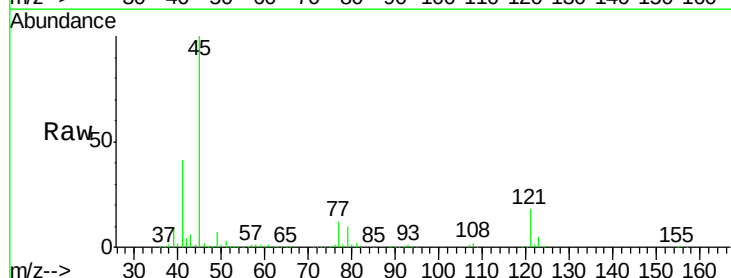
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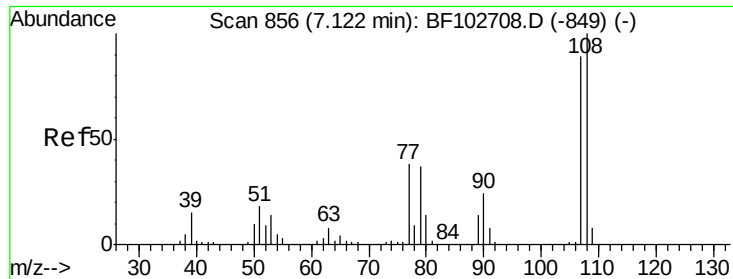
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#16  
2,2'-oxybis(1-chloropropane)  
Concen: 39.709 ng  
RT: 7.15 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Tgt Ion: 45 Resp: 871551  
Ion Ratio Lower Upper  
45 100  
77 12.1 0.0 32.9  
79 9.7 0.0 29.6





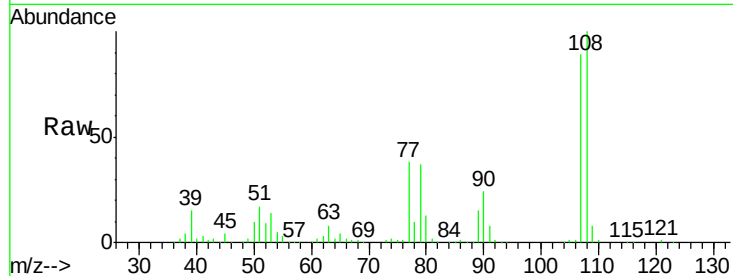
#17  
2-Methylphenol  
Concen: 43.029 ng  
RT: 7.13 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 439703 |       |       |
| 108     | 112.9 | 91.7   | 137.5 |       |
| 77      | 43.0  | 33.8   | 50.8  |       |
| 79      | 41.8  | 33.8   | 50.8  |       |

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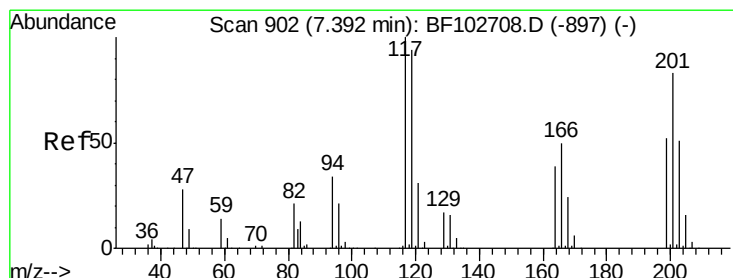
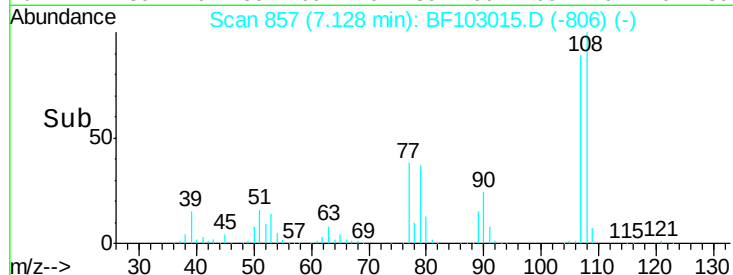
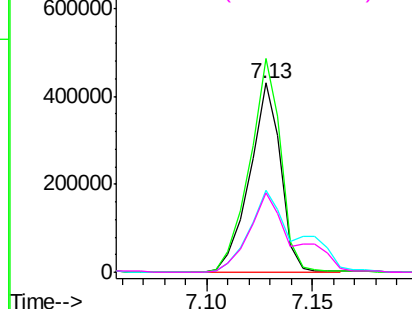
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 44.496 ng  
RT: 7.39 min Scan# 901  
Delta R.T. -0.01 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

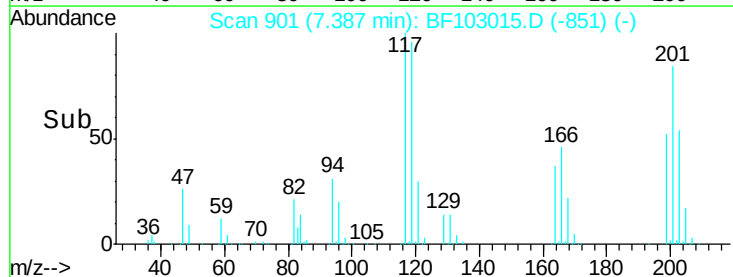
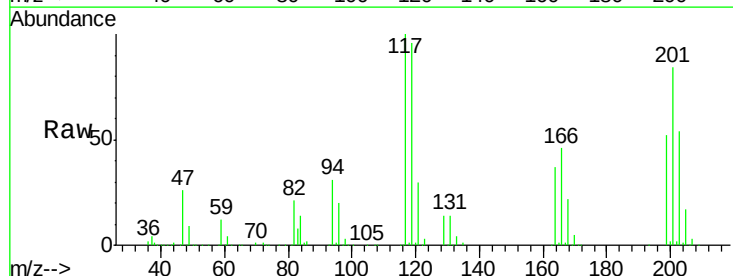
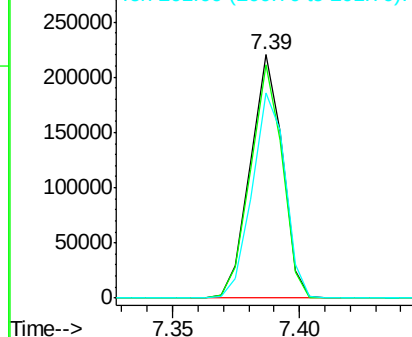
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 194991 |       |       |
| 119     | 96.1  | 75.8   | 113.8 |       |
| 201     | 84.2  | 75.7   | 113.5 |       |

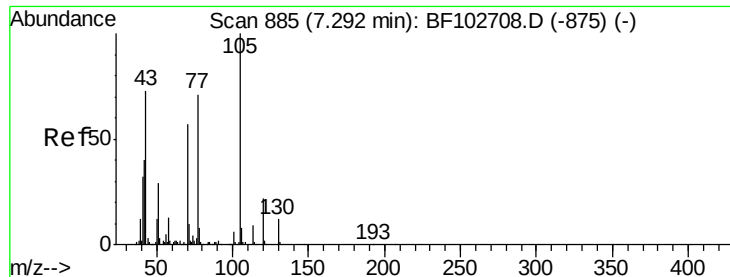
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





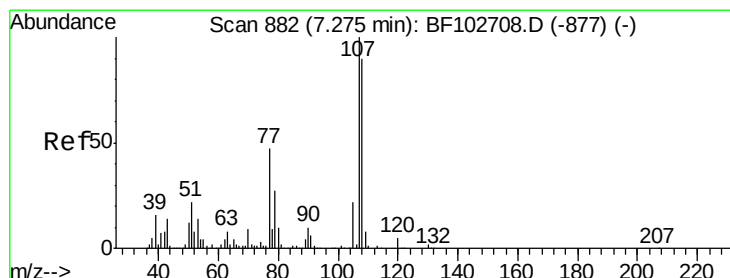
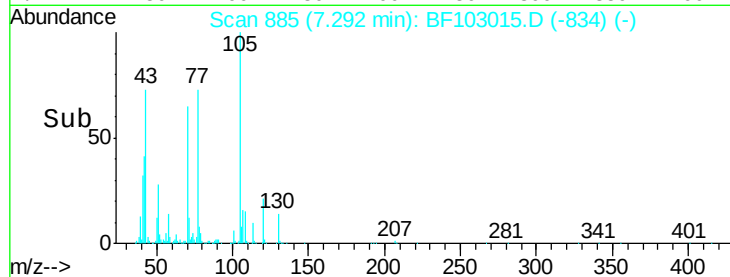
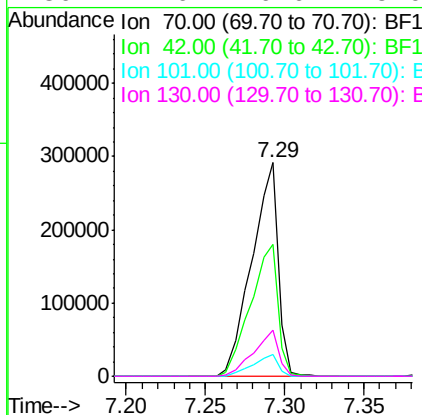
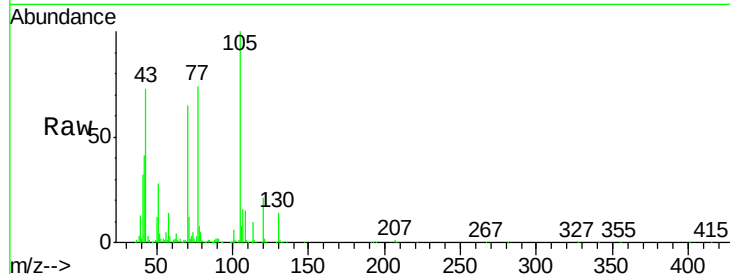
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.707 ng  
RT: 7.29 min Scan# 885  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 70      | 100   | 339198 |       |       |
| 42      | 62.0  | 47.5   | 71.3  |       |
| 101     | 9.9   | 7.4    | 11.2  |       |
| 130     | 21.6  | 16.6   | 25.0  |       |

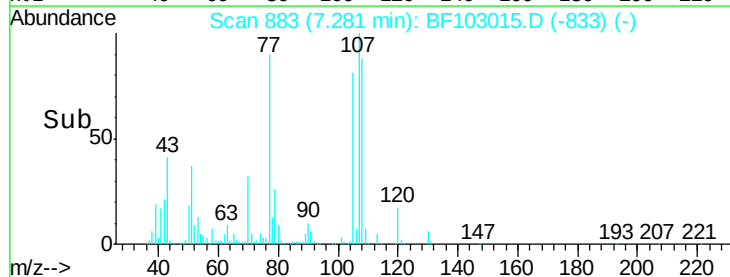
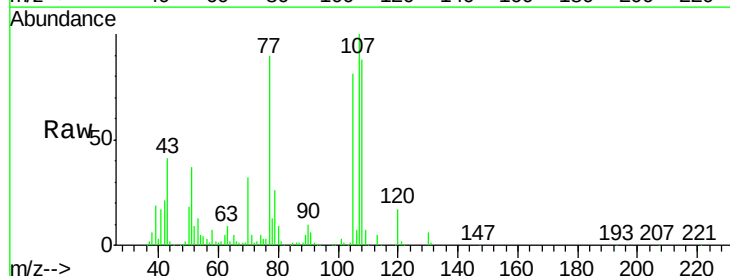
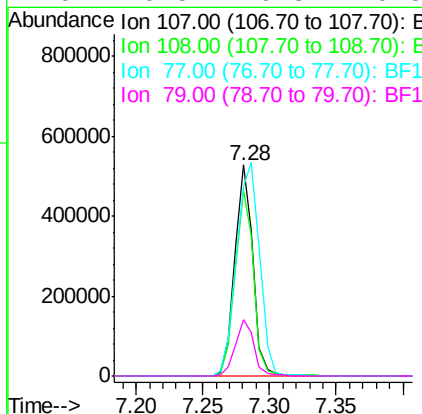
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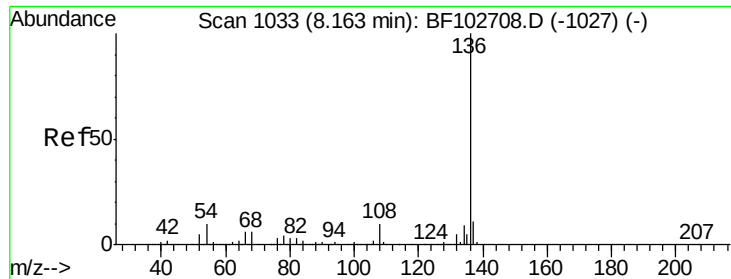
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2/16/2018 2:31:13 PM



#20  
3+4-Methylphenols  
Concen: 39.816 ng  
RT: 7.28 min Scan# 883  
Delta R.T. -0.01 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 501746 |       |       |
| 108     | 87.9  | 68.2   | 108.2 |       |
| 77      | 90.0  | 26.7   | 66.7  |       |
| 79      | 26.5  | 6.3    | 46.3  |       |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

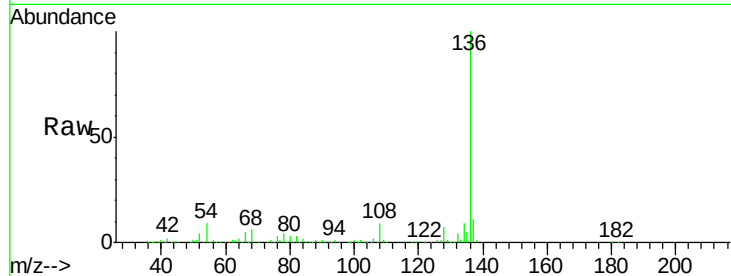
ClientSampleId :

PB106541BS

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 136 | 100  |       | 712804 |       |       |
| 137 | 10.8 |       | 8.9    | 13.3  |       |
| 54  | 9.1  |       | 6.6    | 9.8   |       |
| 68  | 6.2  |       | 5.0    | 7.4   |       |

Manual Integrations  
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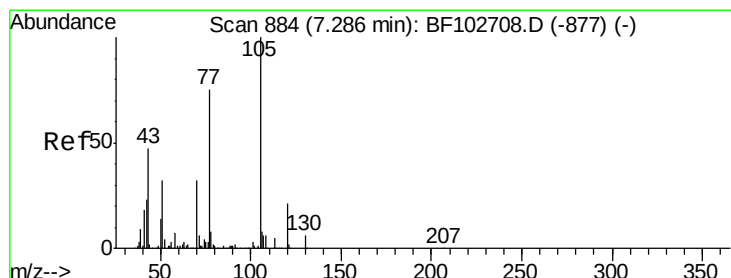
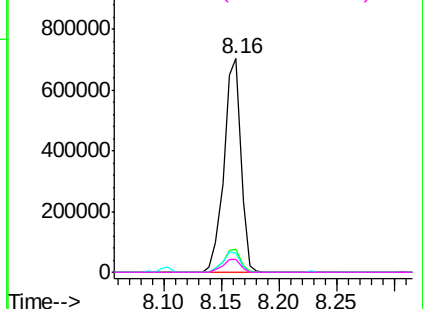
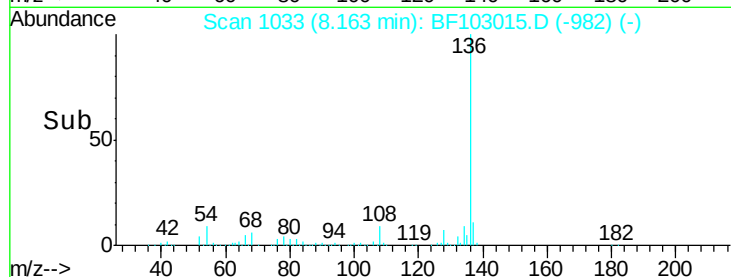
Abundance

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): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 38.291 ng

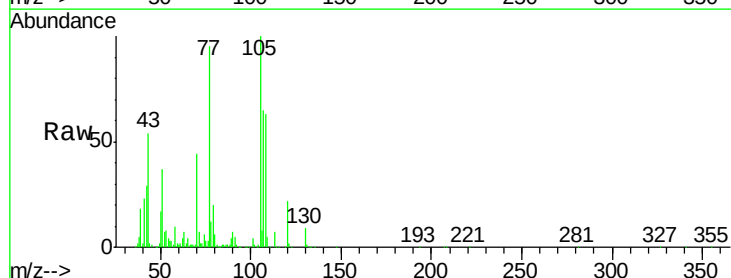
RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 105 | 100  |       | 667912 |       |       |
| 71  | 7.2  |       | 4.4    | 6.6#  |       |
| 51  | 37.4 |       | 22.3   | 33.5# |       |
| 120 | 21.9 |       | 16.9   | 25.3  |       |



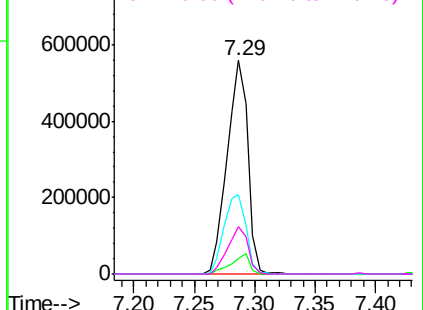
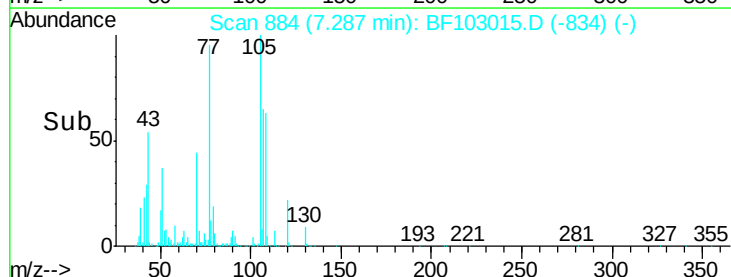
Abundance

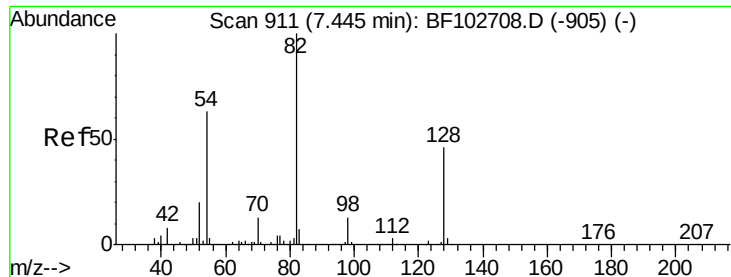
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





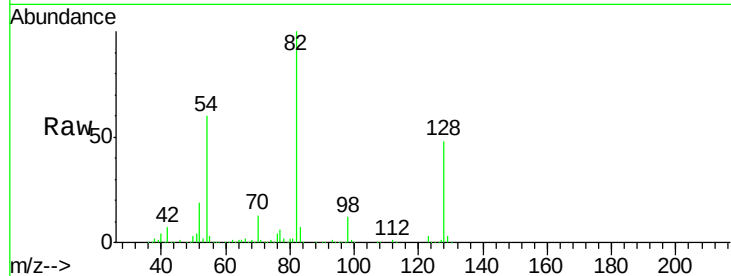
#23  
 Nitrobenzene-d5  
 Concen: 100.592 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB106541BS

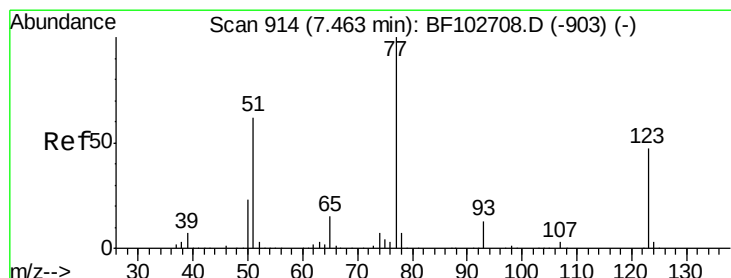
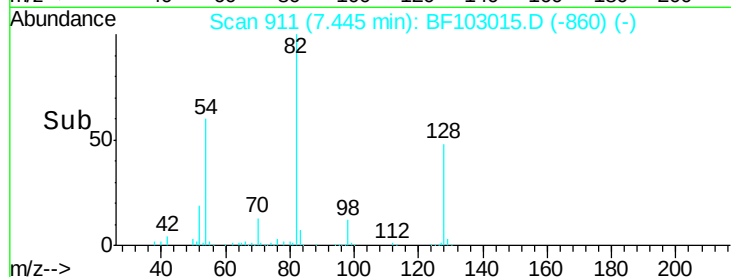
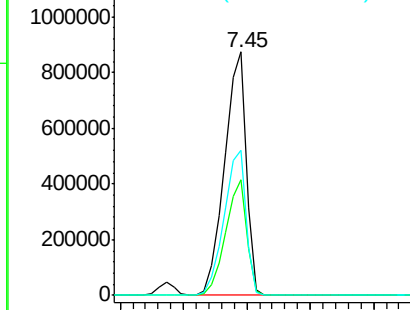
Tgt Ion: 82 Resp: 1033618  
 Ion Ratio Lower Upper  
 82 100  
 128 47.5 36.1 54.1  
 54 59.7 41.4 62.2

Manual Integrations  
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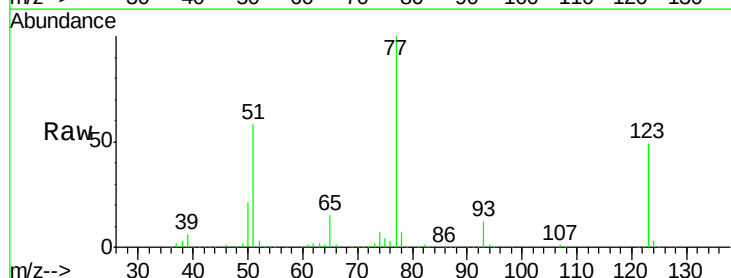


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 1200000  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

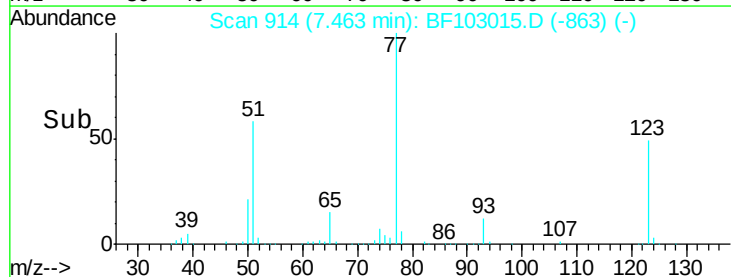
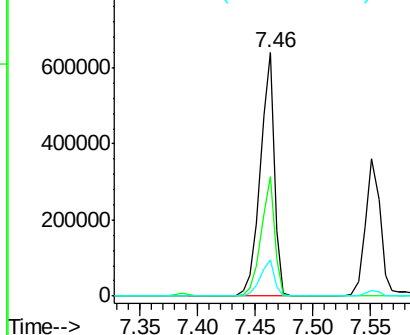


#24  
 Nitrobenzene  
 Concen: 45.776 ng  
 RT: 7.46 min Scan# 914  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

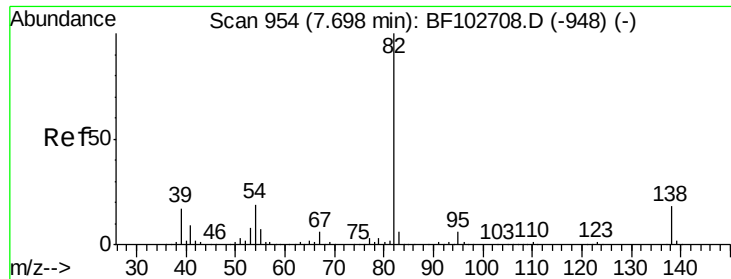
Tgt Ion: 77 Resp: 553264  
 Ion Ratio Lower Upper  
 77 100  
 123 48.9 37.9 56.9  
 65 15.0 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1  
 800000  
 Ion 123.00 (122.70 to 123.70): BF1  
 Ion 65.00 (64.70 to 65.70): BF1







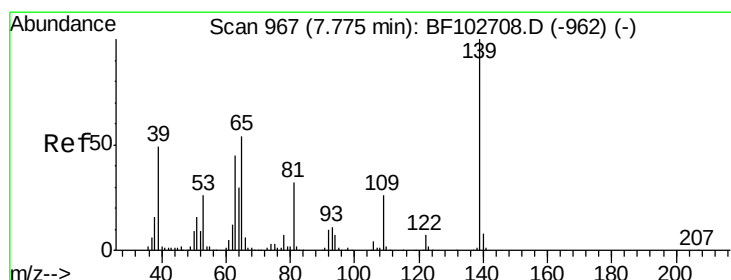
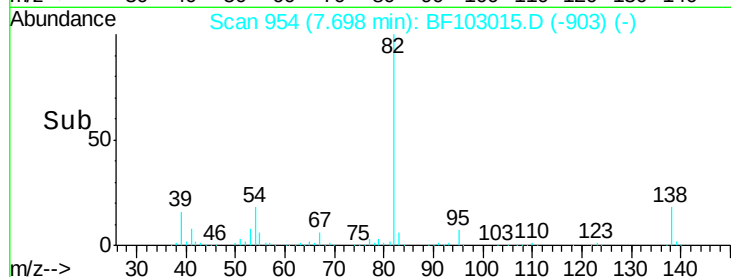
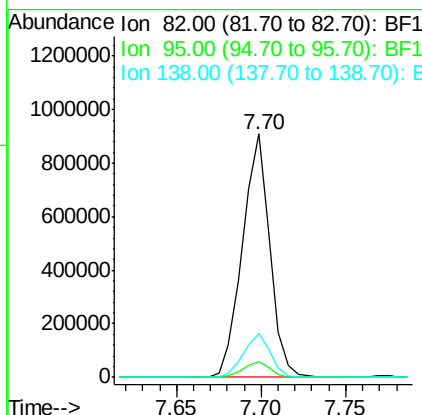
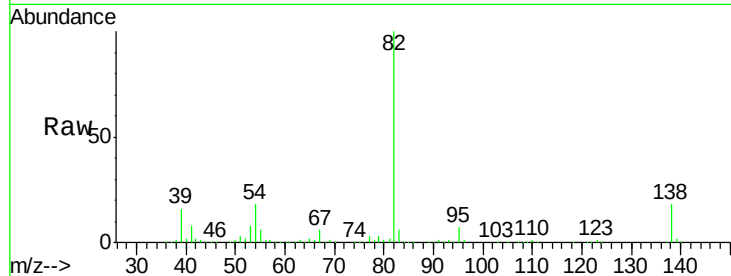
#25  
Isophorone  
Concen: 43.679 ng  
RT: 7.70 min Scan# 954  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS

Tgt Ion: 82 Resp: 1033470  
Ion Ratio Lower Upper  
82 100  
95 6.5 5.2 7.8  
138 18.1 14.9 22.3

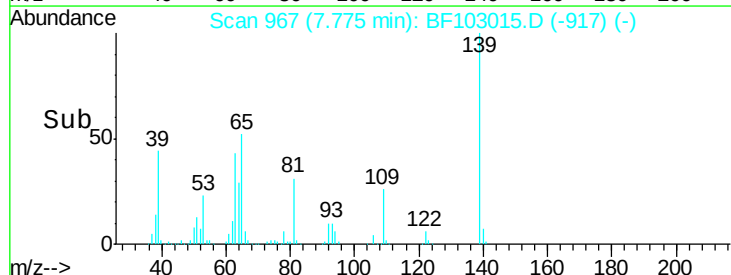
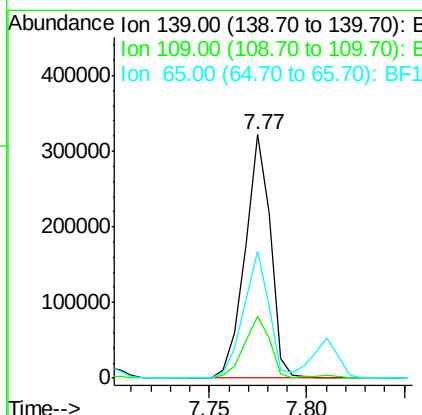
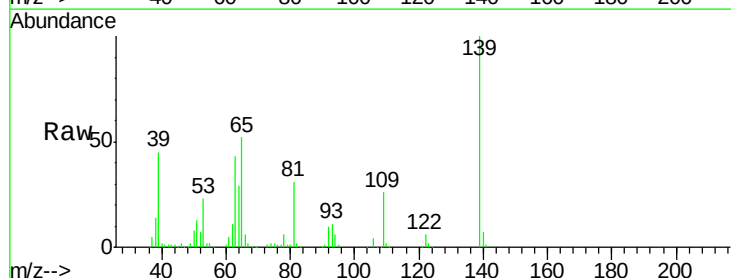
Manual Integrations  
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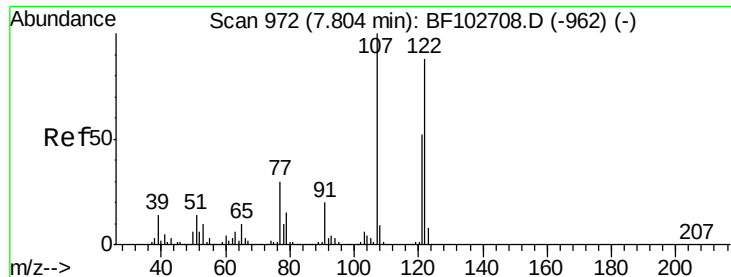
Sohil  
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#26  
2-Nitrophenol  
Concen: 56.499 ng  
RT: 7.77 min Scan# 967  
Delta R.T. -0.01 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Tgt Ion: 139 Resp: 289851  
Ion Ratio Lower Upper  
139 100  
109 25.6 22.7 34.1  
65 52.4 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 48.261 ng

RT: 7.81 min Scan# 973

Delta R.T. 0.00 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

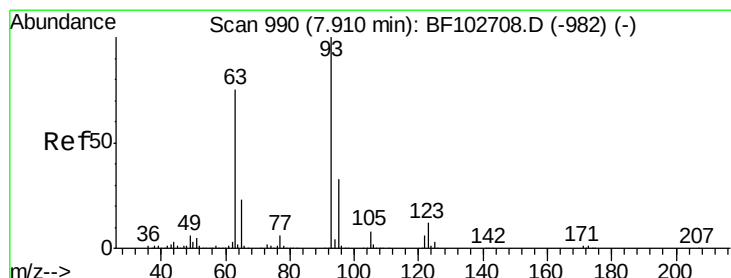
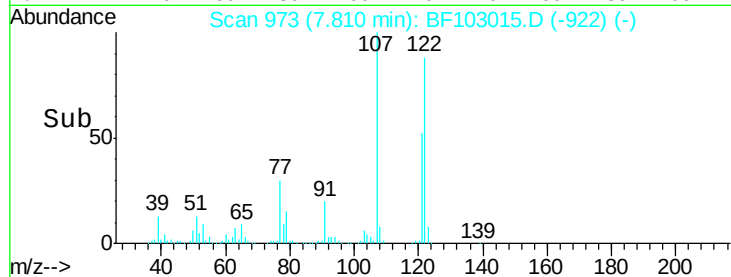
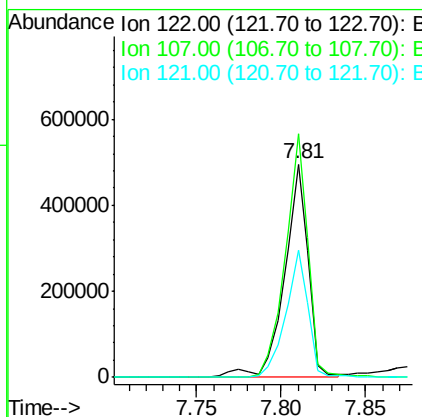
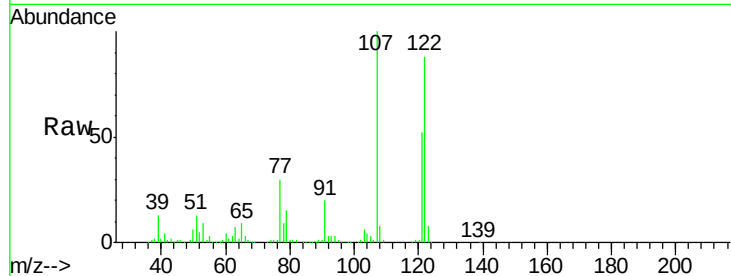
ClientSampleId :

PB106541BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 482421 |       |       |
| 107     | 114.0 | 91.2   | 136.8 |       |
| 121     | 59.6  | 47.2   | 70.8  |       |

Manual Integrations  
APPROVED

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#28

bis(2-Chloroethoxy)methane

Concen: 45.370 ng

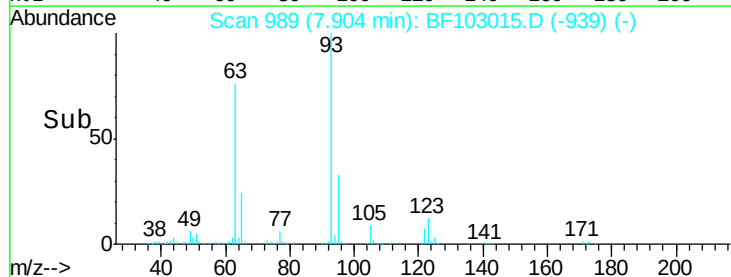
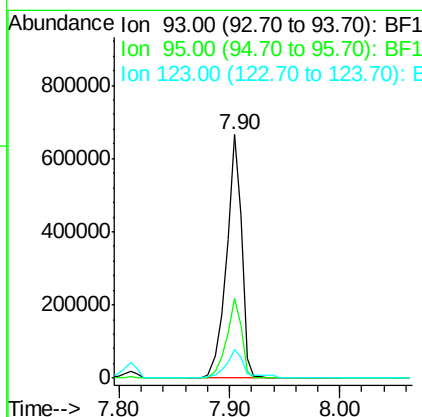
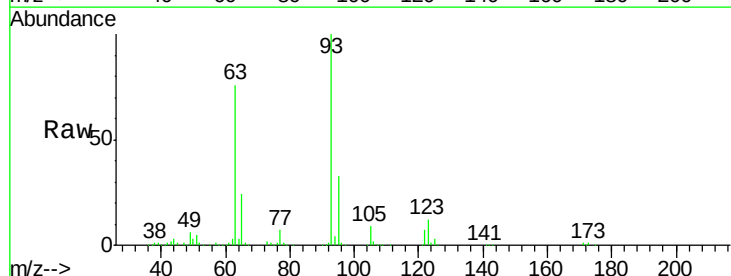
RT: 7.90 min Scan# 989

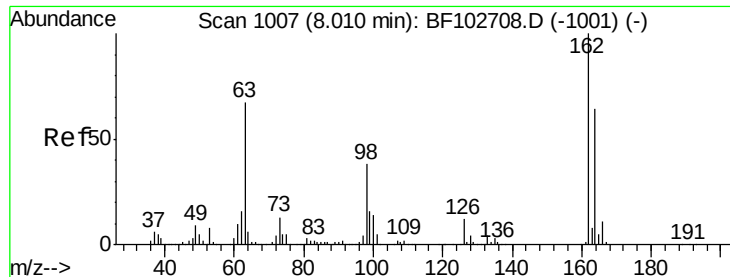
Delta R.T. -0.01 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 635911 |       |       |
| 95      | 32.6  | 26.3   | 39.5  |       |
| 123     | 11.7  | 9.8    | 14.6  |       |





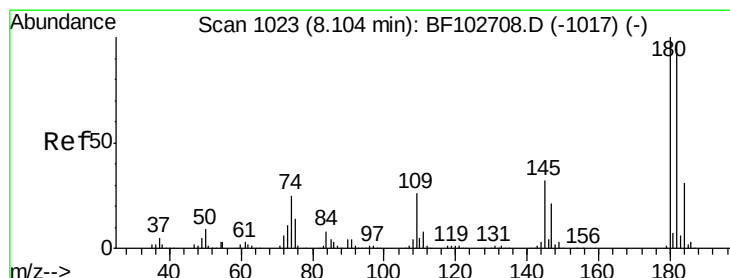
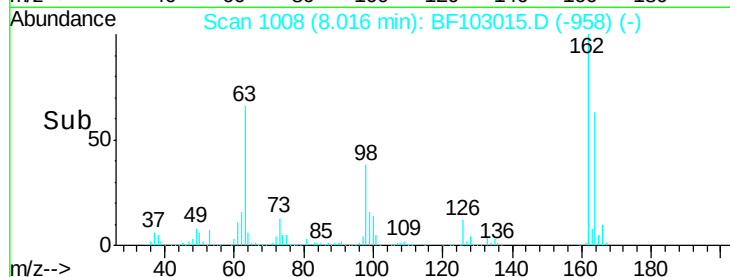
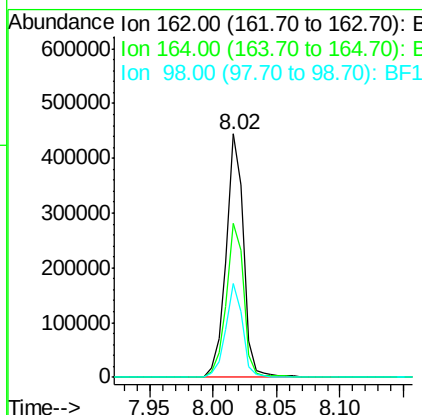
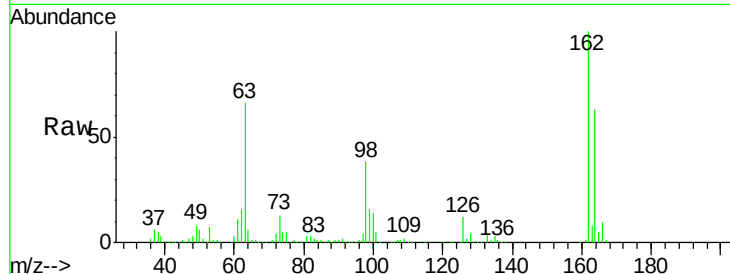
#29  
 2,4-Dichlorophenol  
 Concen: 46.634 ng  
 RT: 8.02 min Scan# 1008  
 Delta R.T. -0.01 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106541BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 423765 |       |       |
| 164     | 63.5  | 42.7   | 82.7  |       |
| 98      | 38.3  | 18.1   | 58.1  |       |

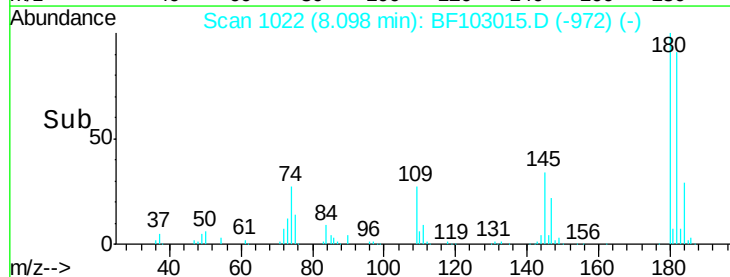
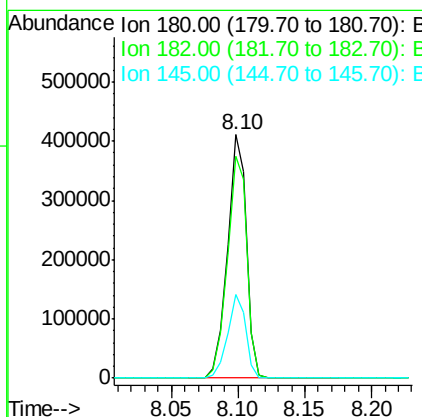
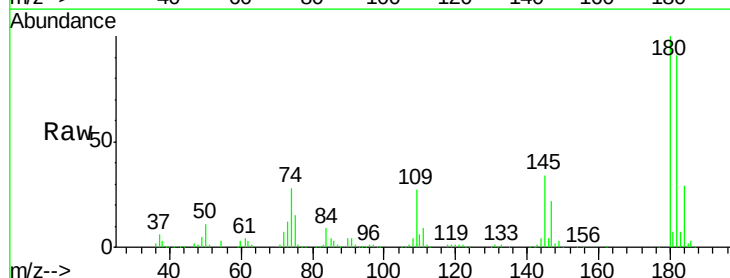
Manual Integrations  
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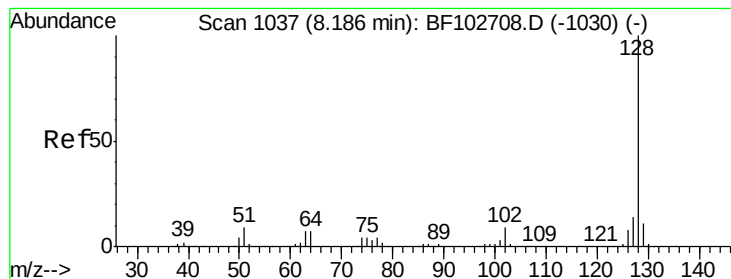
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.222 ng  
 RT: 8.10 min Scan# 1022  
 Delta R.T. -0.01 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 413487 |       |       |
| 182     | 90.9  | 76.8   | 115.2 |       |
| 145     | 34.2  | 26.5   | 39.7  |       |





#31

Naphthalene

Concen: 40.835 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

ClientSampleId :

PB106541BS

Tgt Ion:128 Resp: 1422110

Ion Ratio Lower Upper

128 100

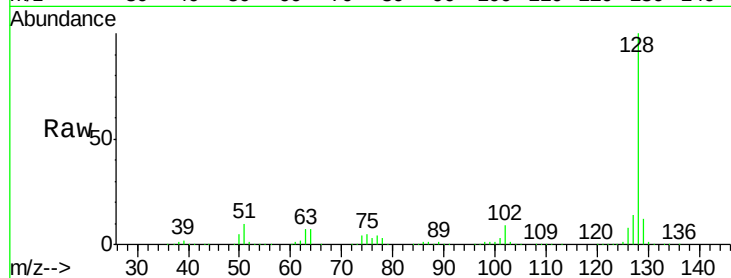
129 11.6 8.8 13.2

127 13.9 10.9 16.3

Manual Integrations  
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Sohil

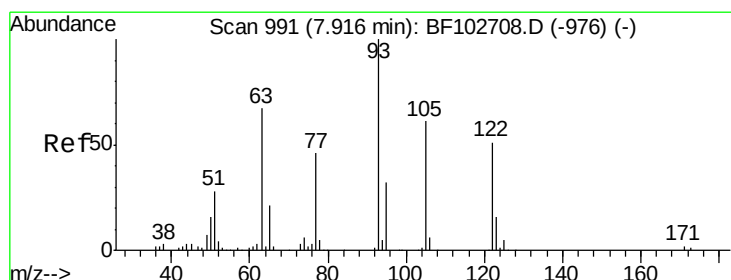
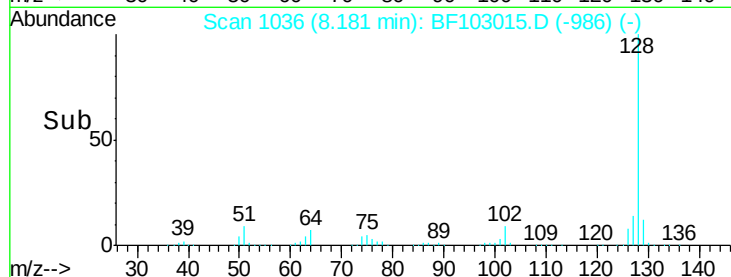
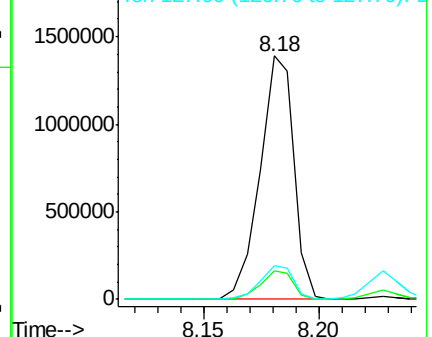
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 42.927 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

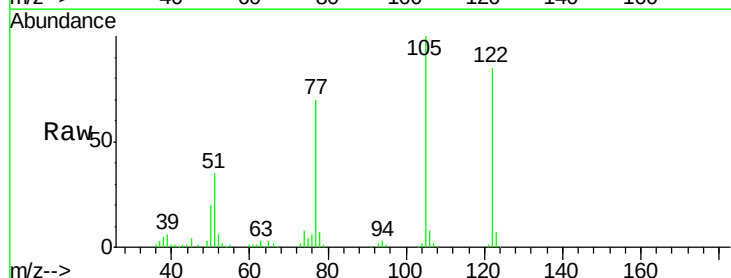
Tgt Ion:122 Resp: 289585

Ion Ratio Lower Upper

122 100

105 117.7 101.1 141.1

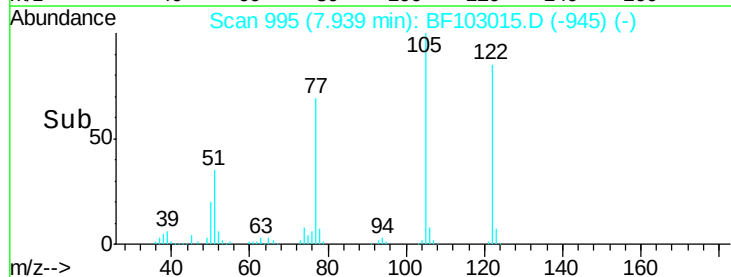
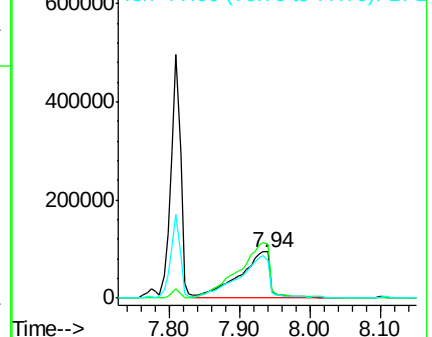
77 82.6 70.7 110.7

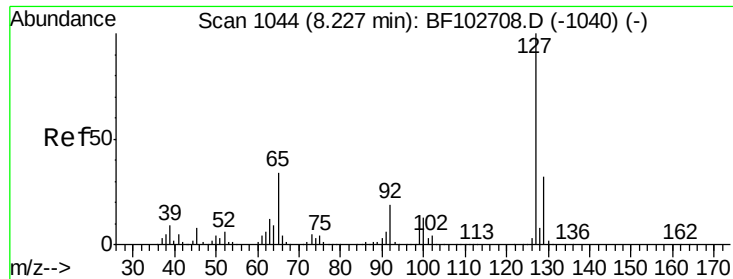


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





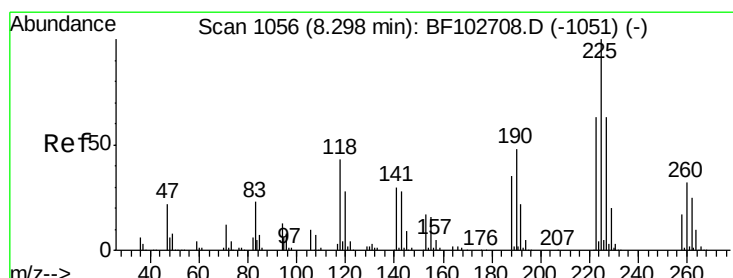
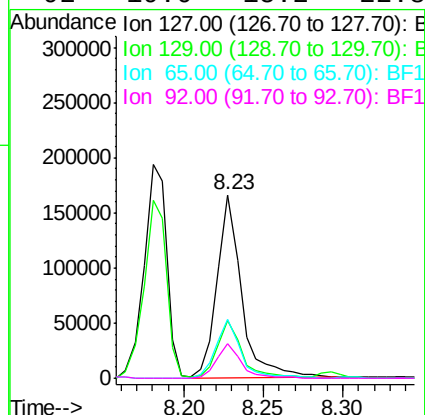
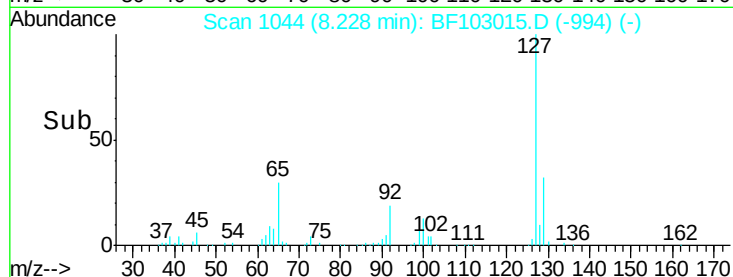
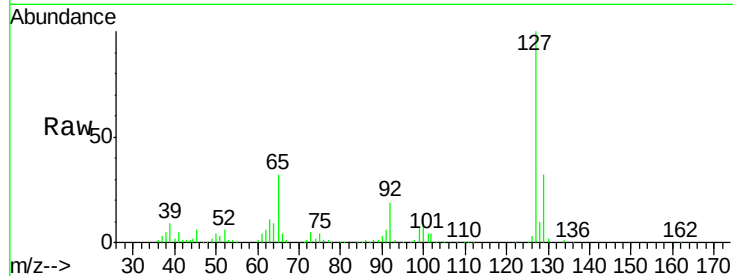
#33  
 4-Chloroaniline  
 Concen: 11.821 ng  
 RT: 8.23 min Scan# 1044  
 Delta R.T. -0.01 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106541BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 127     | 100   | 177352 |       |       |
| 129     | 31.5  | 25.9   | 38.9  |       |
| 65      | 32.3  | 25.0   | 37.4  |       |
| 92      | 19.0  | 15.2   | 22.8  |       |

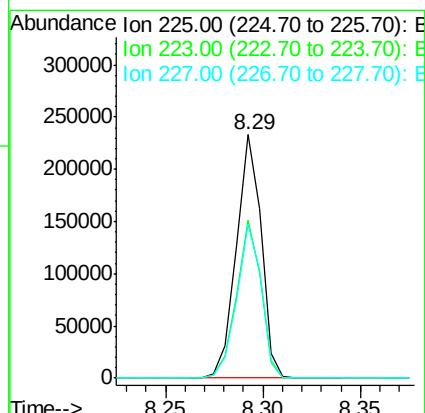
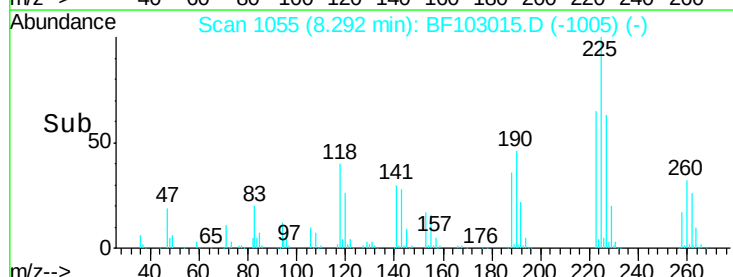
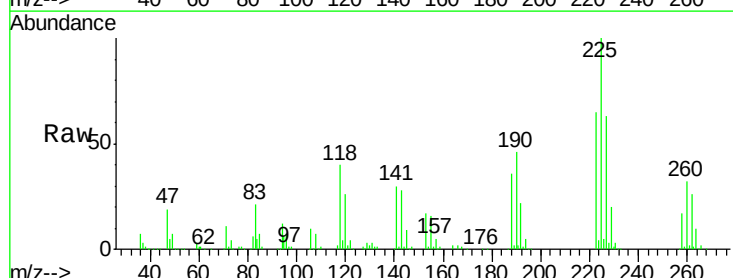
Manual Integrations  
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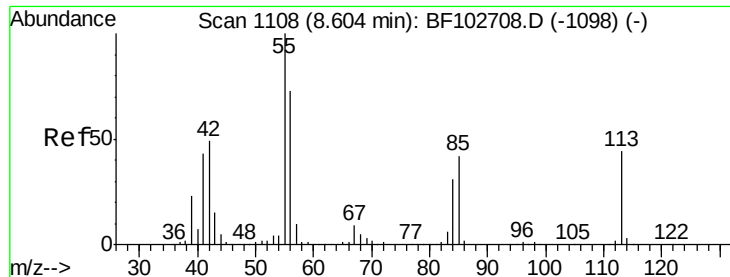
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#34  
 Hexachlorobutadiene  
 Concen: 39.149 ng  
 RT: 8.29 min Scan# 1055  
 Delta R.T. -0.01 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 206224 |       |       |
| 223     | 64.6  | 50.6   | 76.0  |       |
| 227     | 63.0  | 51.9   | 77.9  |       |





#35

Caprolactam

Concen: 51.553 ng m

RT: 8.60 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

ClientSampleId :

PB106541BS

Tgt Ion:113 Resp: 162693

Ion Ratio Lower Upper

113 100

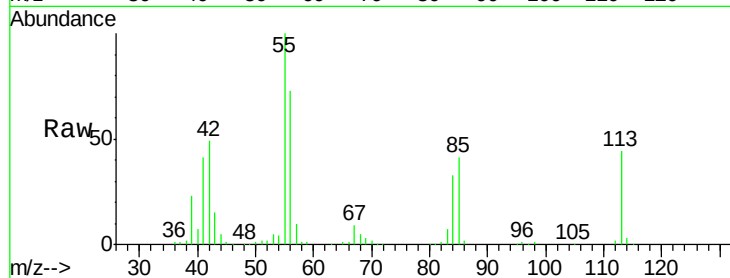
55 228.9 163.3 203.3#

56 166.8 115.7 155.7#

Manual Integrations  
APPROVED

Sohil

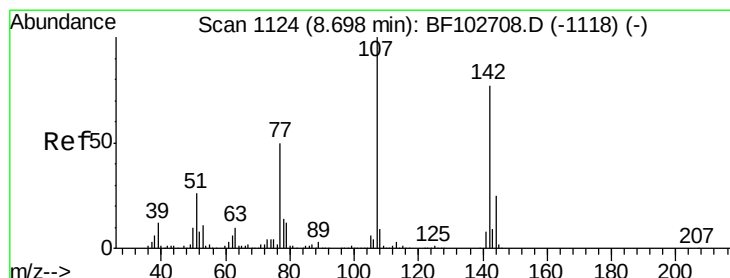
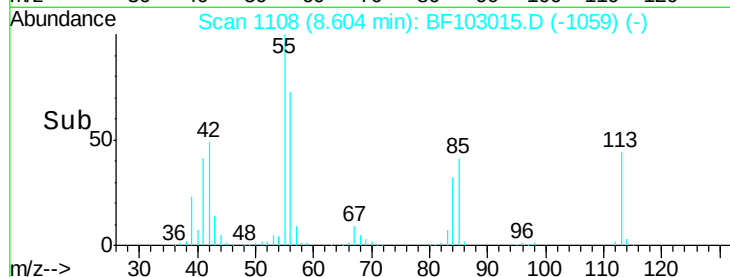
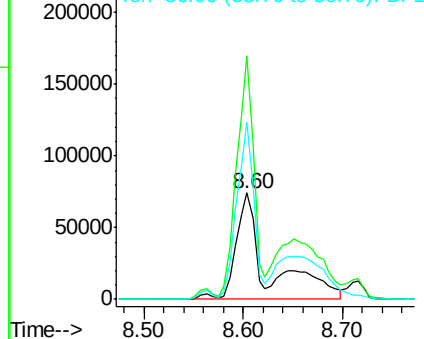
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 47.724 ng

RT: 8.72 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

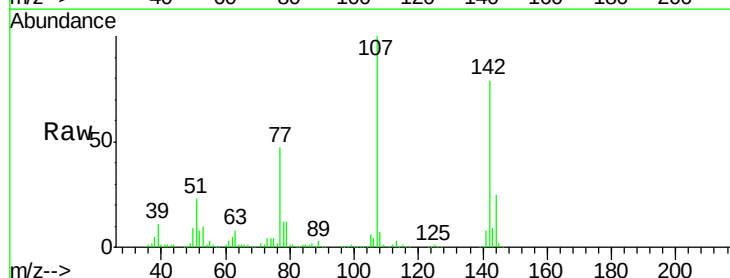
Tgt Ion:107 Resp: 487264

Ion Ratio Lower Upper

107 100

144 25.2 20.5 30.7

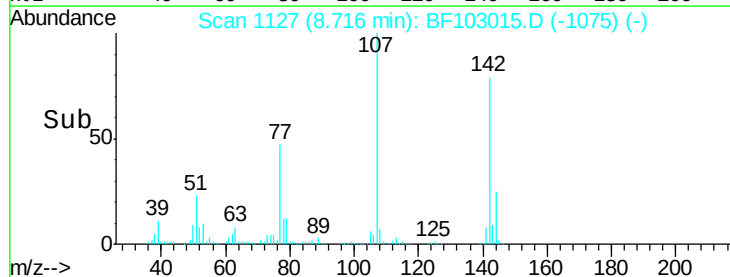
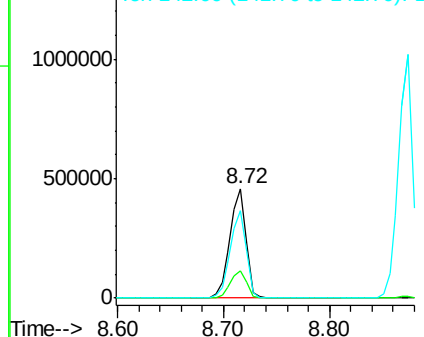
142 79.3 62.0 93.0

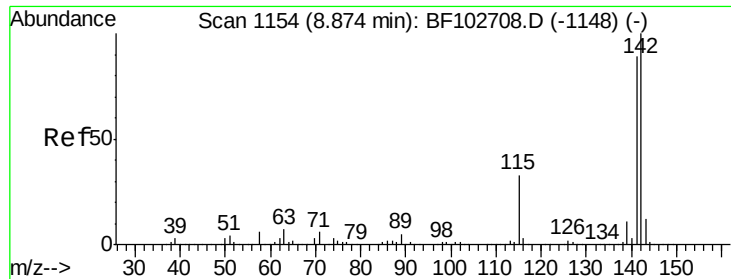


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

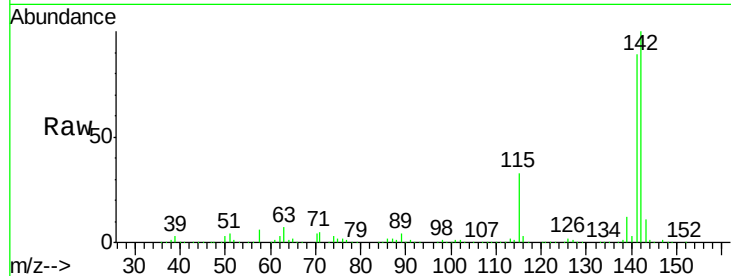
Ion 142.00 (141.70 to 142.70): E





#37  
2-Methylnaphthalene  
Concen: 42.048 ng  
RT: 8.87 min Scan# 1154  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

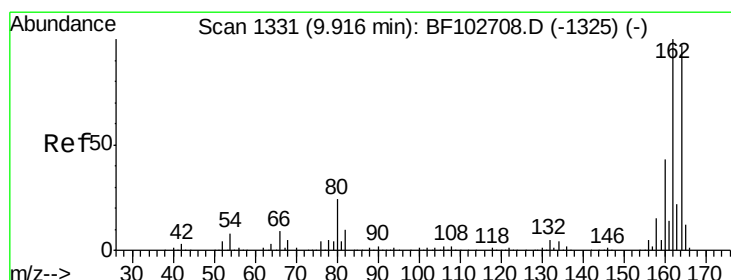
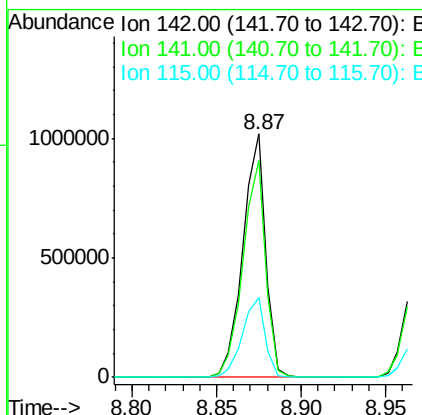
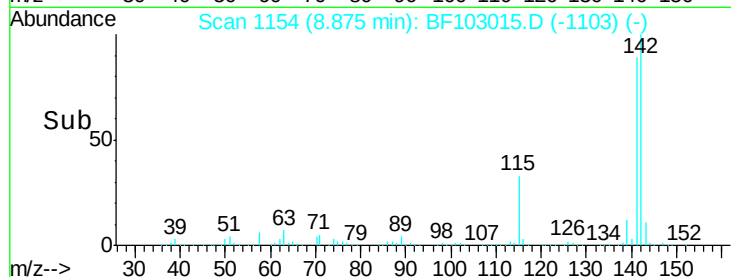
Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 958732 |       |       |
| 141     | 89.0  | 70.8   | 106.2 |       |
| 115     | 32.6  | 26.1   | 39.1  |       |

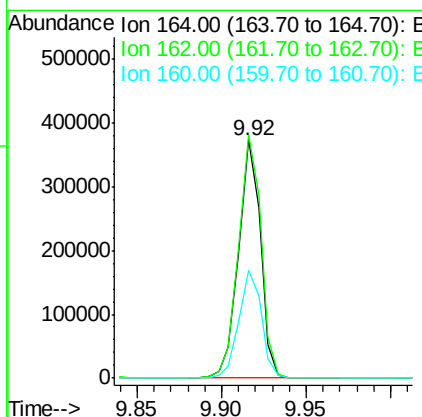
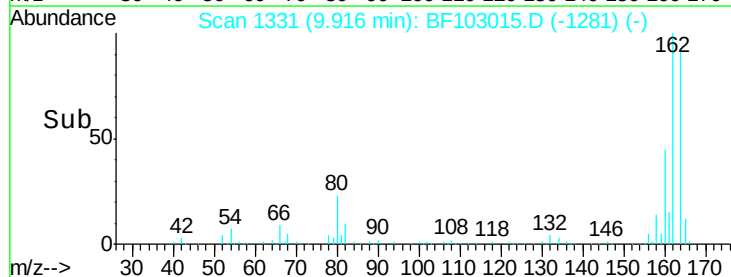
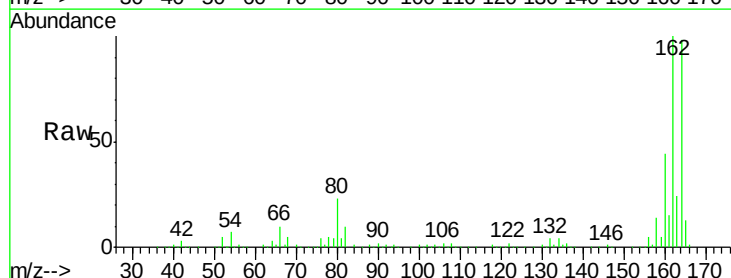
Manual Integrations  
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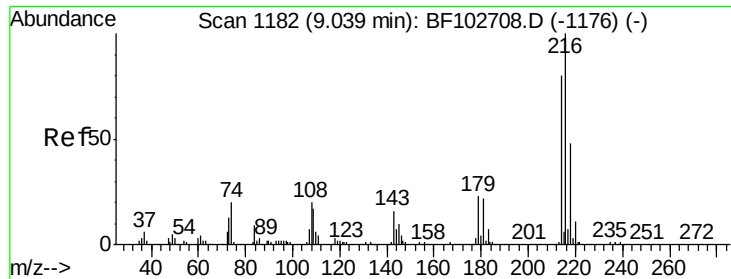
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. -0.01 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 335817 |       |       |
| 162     | 102.2 | 86.1   | 129.1 |       |
| 160     | 45.4  | 38.3   | 57.5  |       |





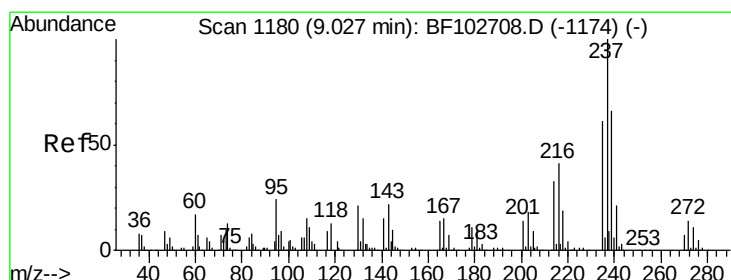
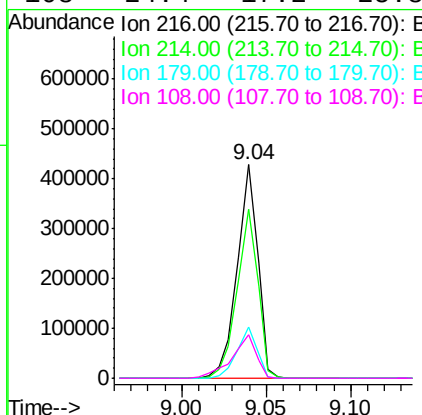
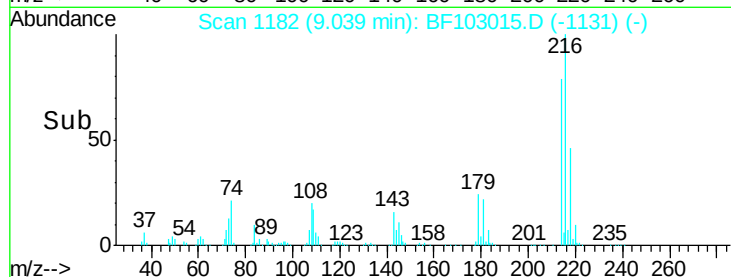
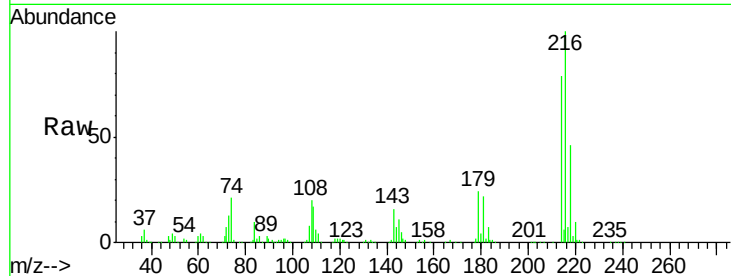
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 39.765 ng  
 RT: 9.04 min Scan# 1182  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106541BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 363599 |       |       |
| 214     | 80.1  | 63.0   | 94.4  |       |
| 179     | 23.4  | 18.1   | 27.1  |       |
| 108     | 24.4  | 17.2   | 25.8  |       |

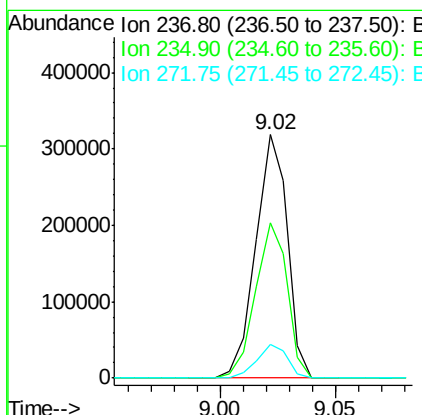
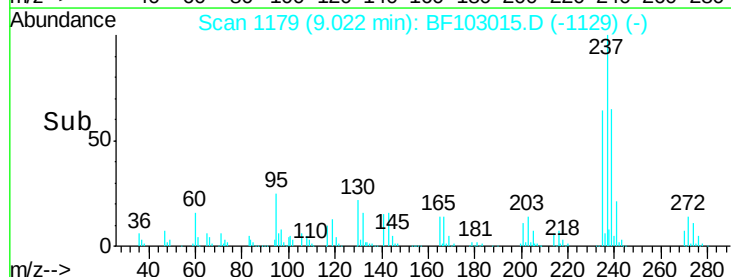
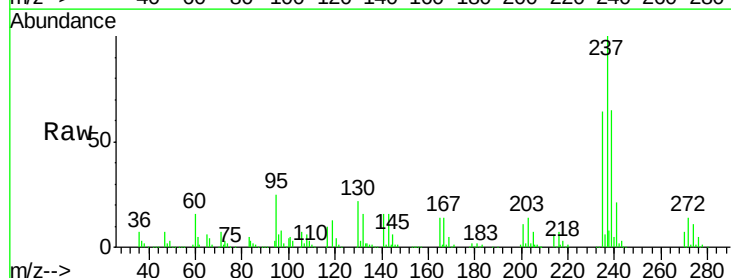
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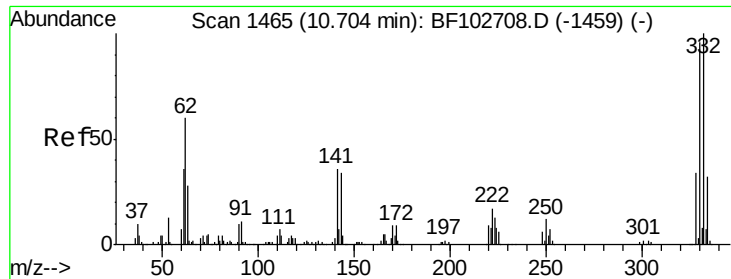


#40  
 Hexachlorocyclopentadiene  
 Concen: 70.429 ng  
 RT: 9.02 min Scan# 1179  
 Delta R.T. -0.01 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 306136 |       |       |
| 235     | 63.9  | 44.8   | 84.8  |       |
| 272     | 13.7  | 0.0    | 33.3  |       |







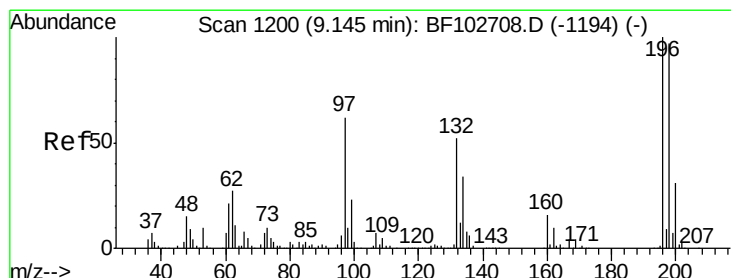
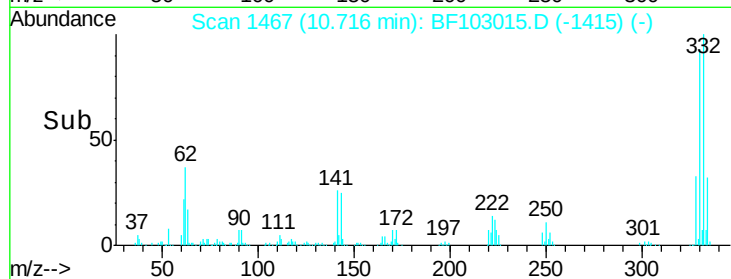
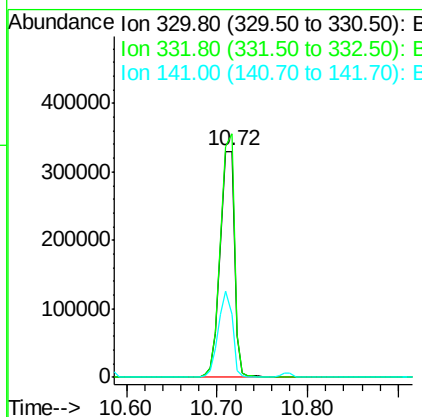
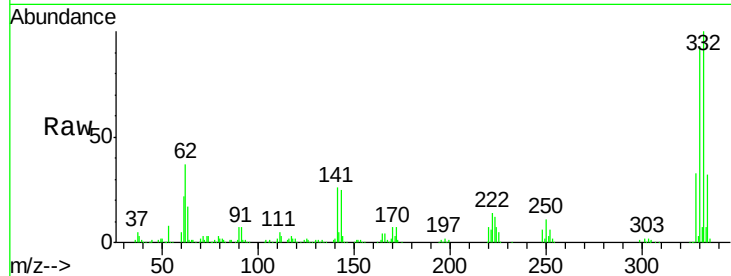
#41  
 2,4,6-Tribromophenol  
 Concen: 133.222 ng  
 RT: 10.72 min Scan# 1467  
 Delta R.T. 0.01 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106541BS

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 104.1 | 77.0 | 115.6 |       |
| 141     | 37.6  | 29.9 | 44.9  |       |

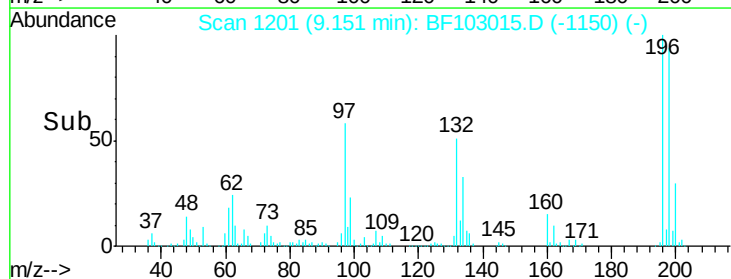
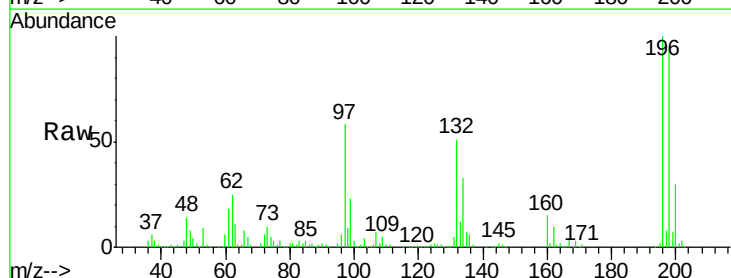
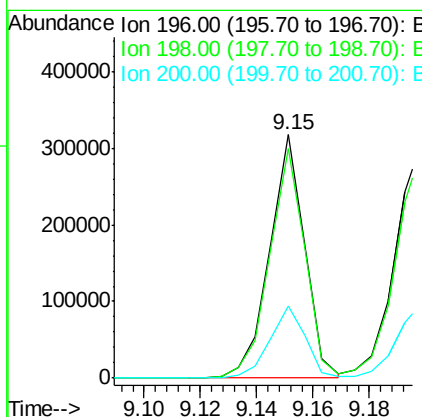
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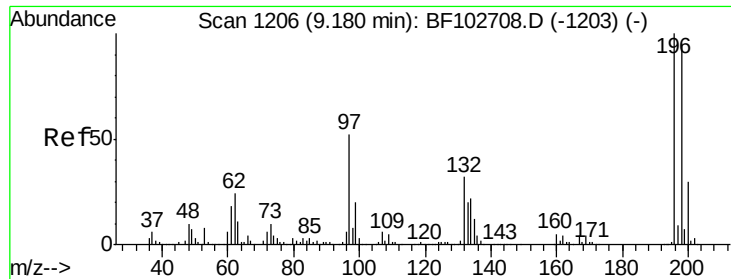
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#42  
 2,4,6-Trichlorophenol  
 Concen: 45.482 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 94.1  | 75.7 | 113.5 |       |
| 200     | 29.8  | 24.5 | 36.7  |       |





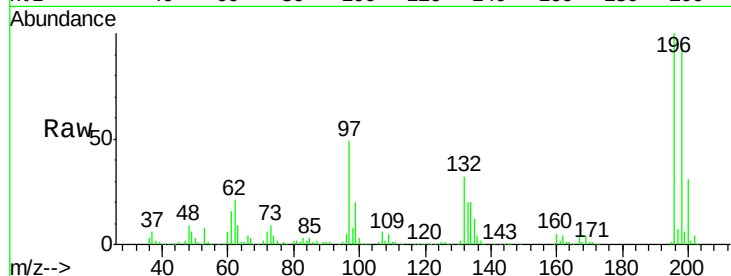
#43  
 2,4,5-Trichlorophenol  
 Concen: 43.258 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. 0.01 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106541BS

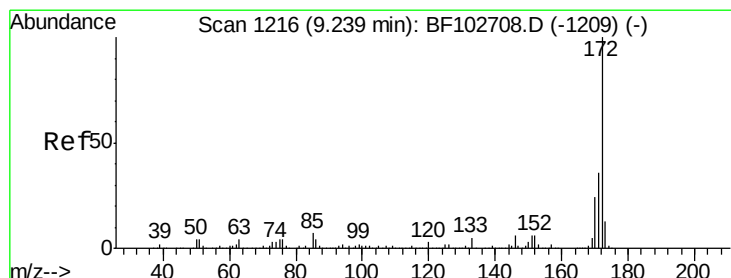
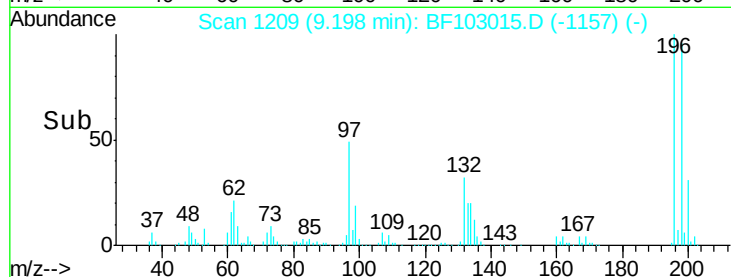
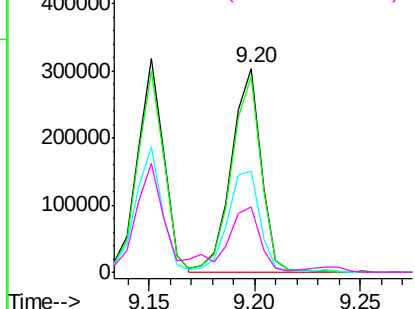
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 292819 |       |       |
| 198     | 96.3  | 74.6   | 112.0 |       |
| 97      | 49.4  | 42.9   | 64.3  |       |
| 132     | 31.8  | 26.3   | 39.5  |       |

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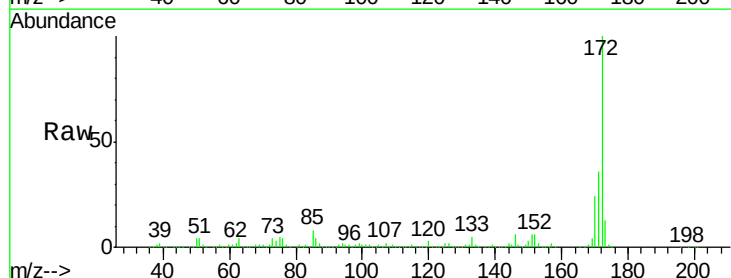


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

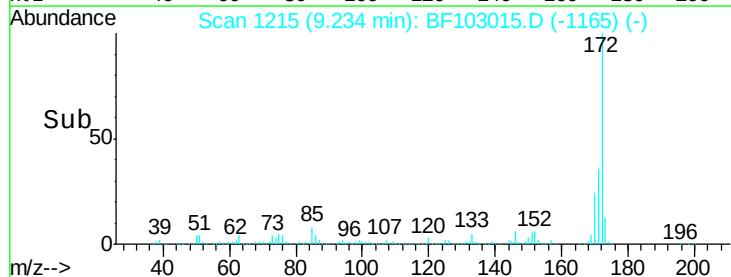
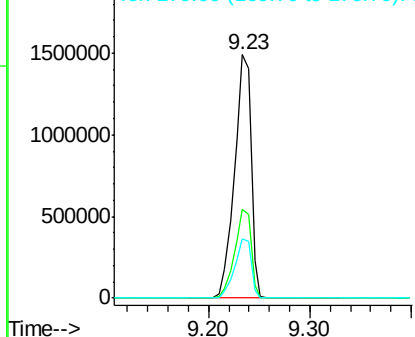


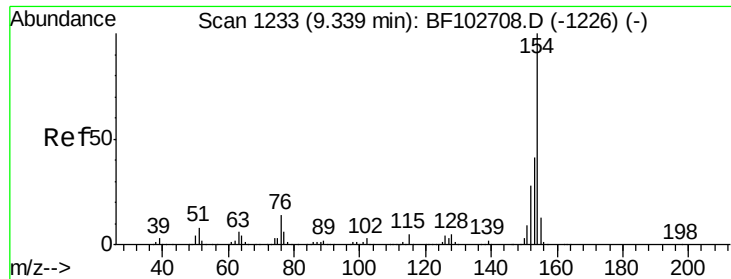
#44  
 2-Fluorobiphenyl  
 Concen: 83.509 ng  
 RT: 9.23 min Scan# 1215  
 Delta R.T. -0.01 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1690044 |       |       |
| 171     | 36.4  | 29.7    | 44.5  |       |
| 170     | 24.3  | 19.6    | 29.4  |       |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





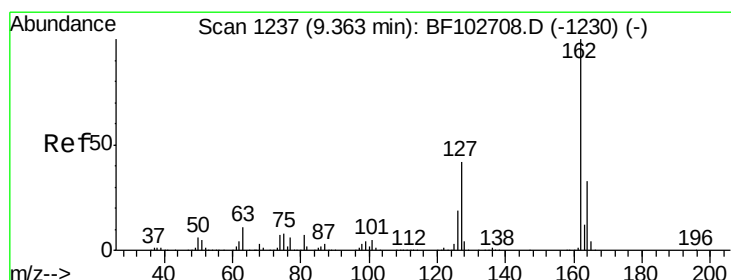
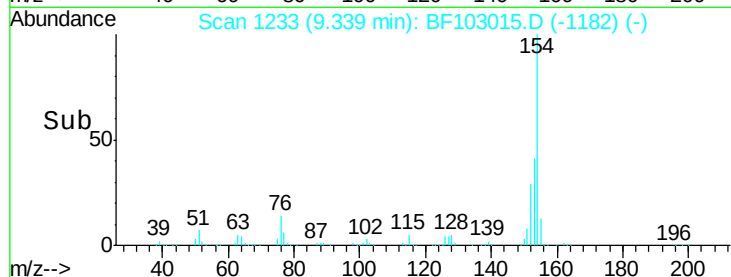
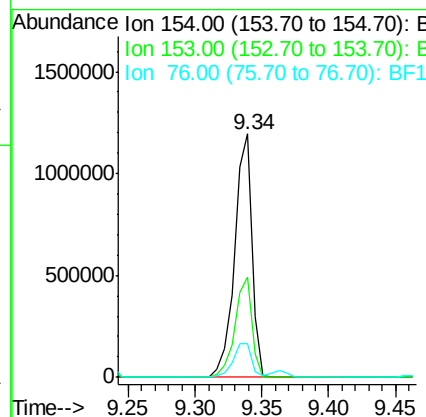
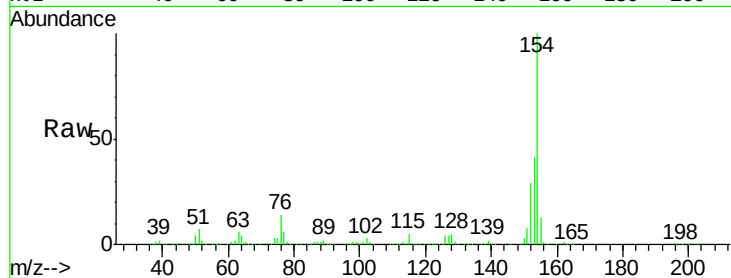
#45  
 1,1'-Biphenyl  
 Concen: 39.034 ng  
 RT: 9.34 min Scan# 1233  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106541BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.1  | 21.3  | 61.3  |
| 76      | 13.6  | 0.0   | 34.0  |

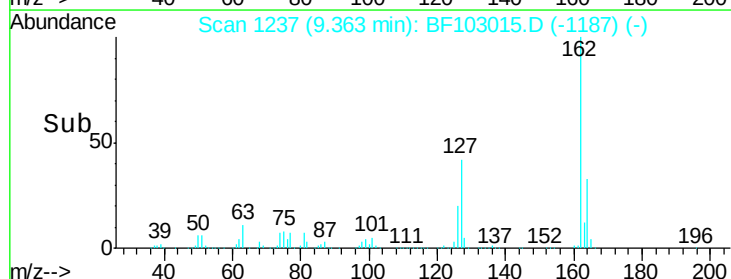
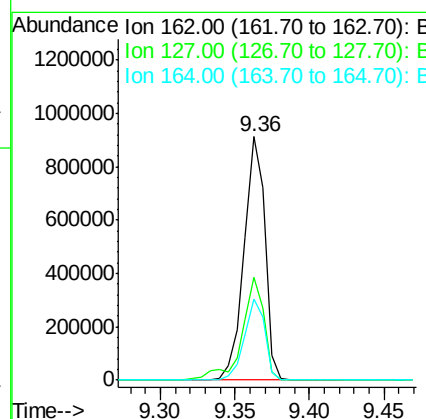
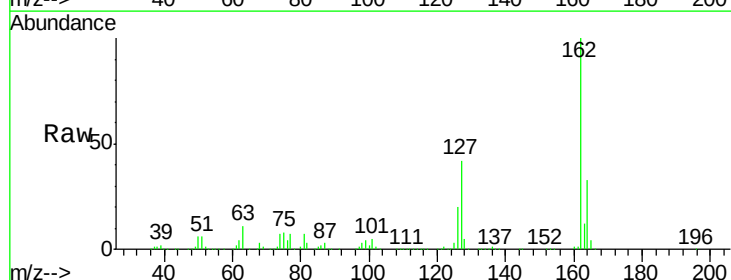
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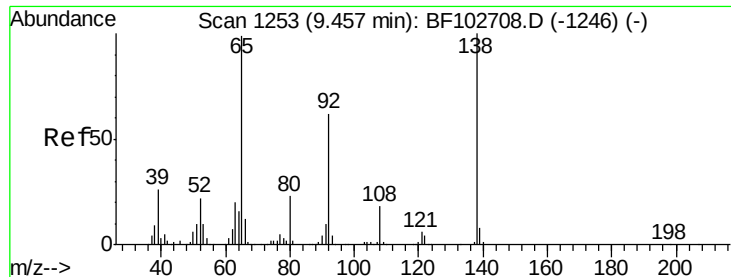
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#46  
 2-Chloronaphthalene  
 Concen: 39.920 ng  
 RT: 9.36 min Scan# 1237  
 Delta R.T. -0.01 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 42.4  | 33.9  | 50.9  |
| 164     | 33.0  | 26.5  | 39.7  |





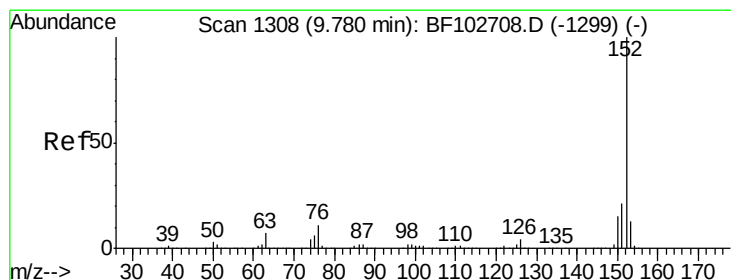
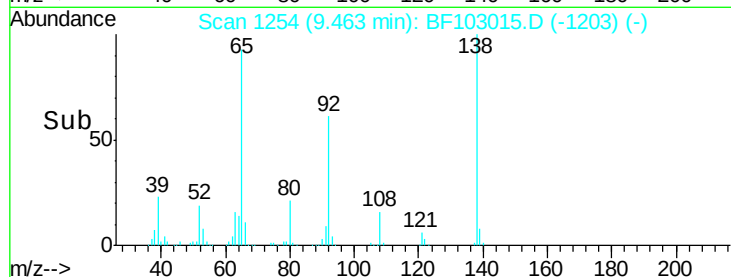
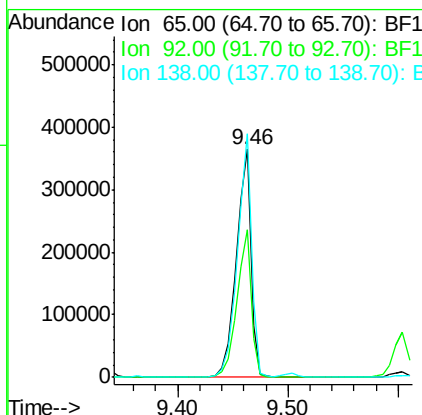
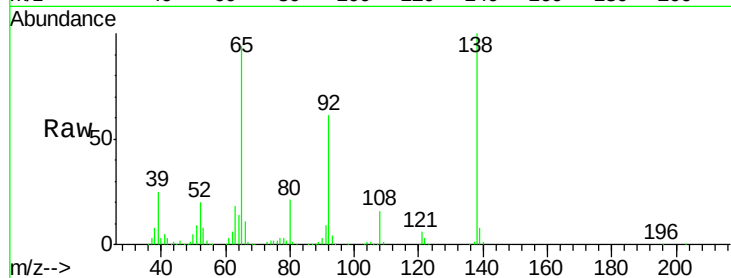
#47  
2-Nitroaniline  
Concen: 49.877 ng  
RT: 9.46 min Scan# 1254  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 64.6  | 55.8  | 83.6  |
| 138     | 106.7 | 91.2  | 136.8 |

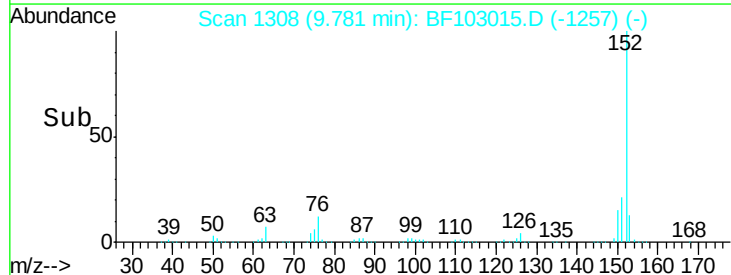
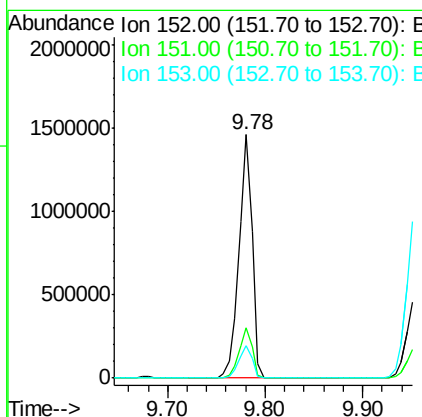
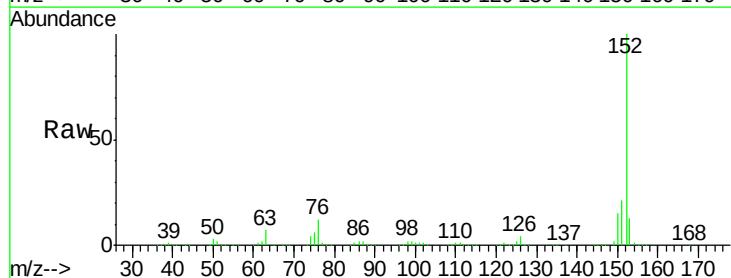
Manual Integrations  
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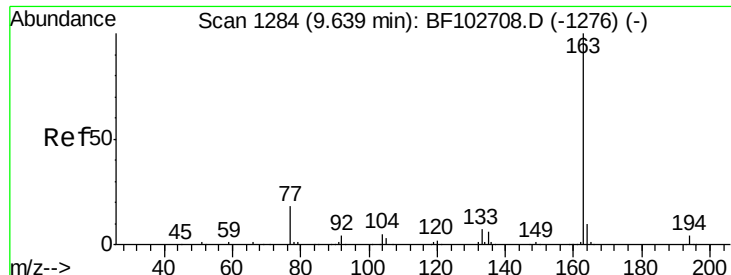
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#48  
Acenaphthylene  
Concen: 39.498 ng  
RT: 9.78 min Scan# 1308  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.8  | 16.3  | 24.5  |
| 153     | 13.5  | 10.7  | 16.1  |





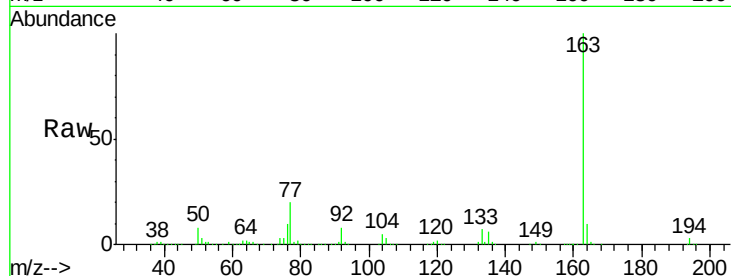
#49  
Dimethylphthalate  
Concen: 41.606 ng  
RT: 9.64 min Scan# 1284  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS

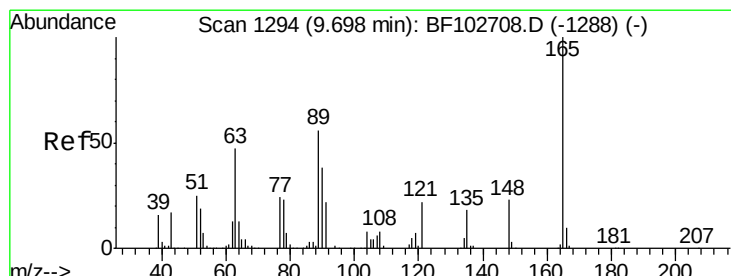
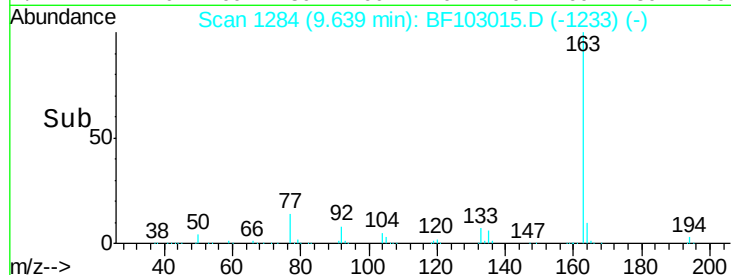
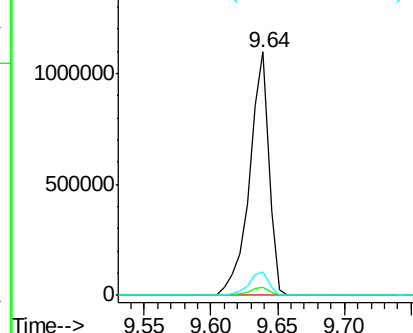
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.4   | 2.7   | 4.1   |
| 164     | 9.8   | 8.2   | 12.2  |

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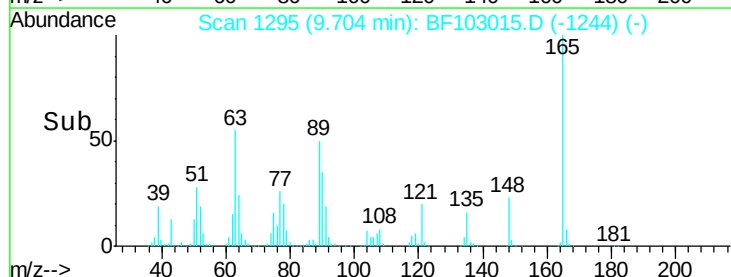
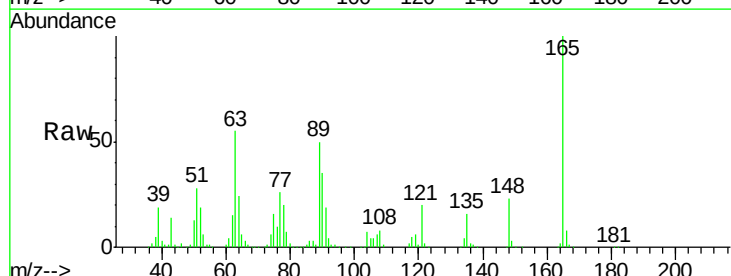
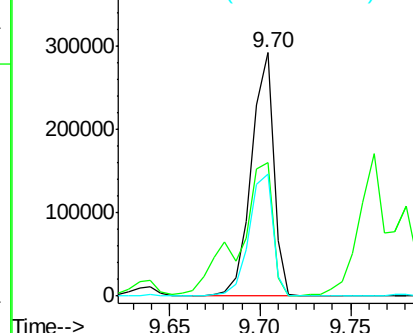
Abundance Ion 163.00 (162.70 to 163.70): E  
1500000  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

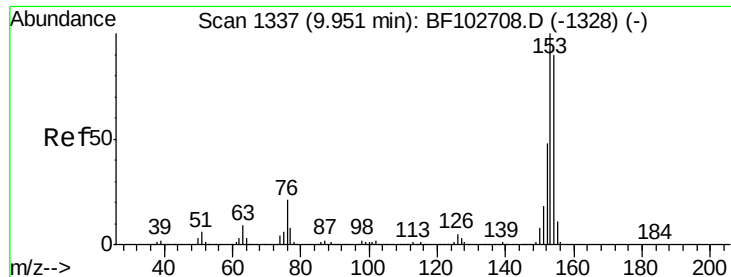


#50  
2,6-Dinitrotoluene  
Concen: 50.370 ng  
RT: 9.70 min Scan# 1295  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 54.9  | 44.7  | 67.1  |
| 89      | 50.0  | 44.0  | 66.0  |

Abundance Ion 165.00 (164.70 to 165.70): E  
400000  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 38.742 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

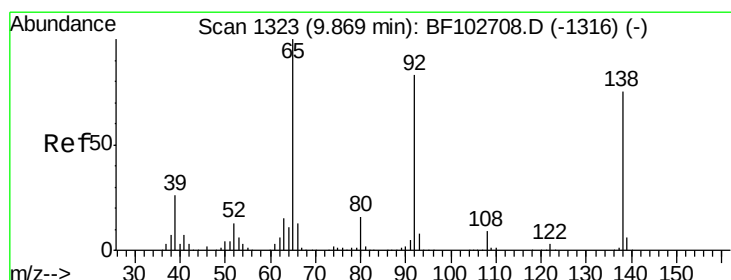
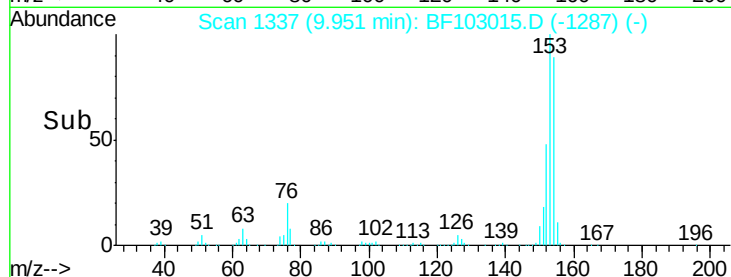
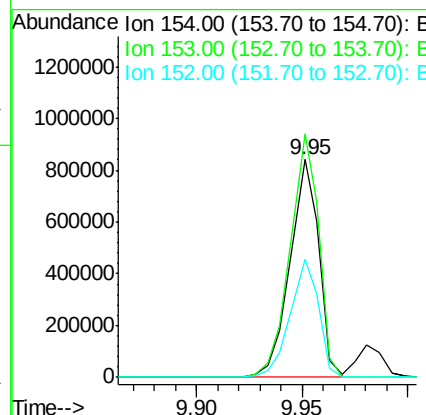
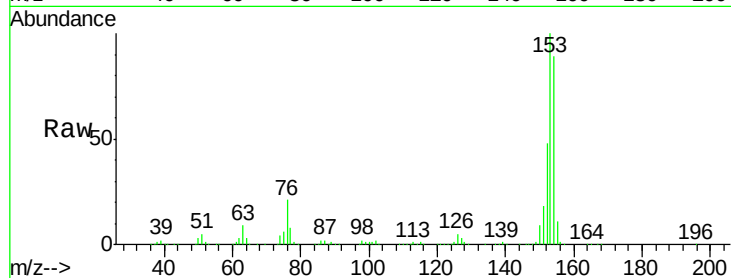
ClientSampleId :

PB106541BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 801309 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 112.0 | 91.2  | 136.8  |
| 152       | 54.1  | 43.8  | 65.8   |

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#52

3-Nitroaniline

Concen: 24.716 ng

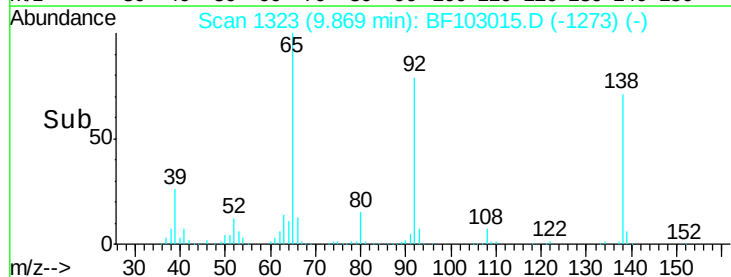
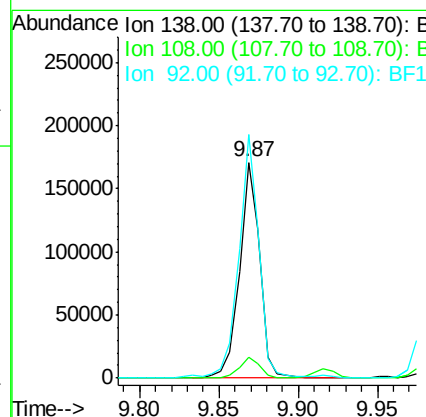
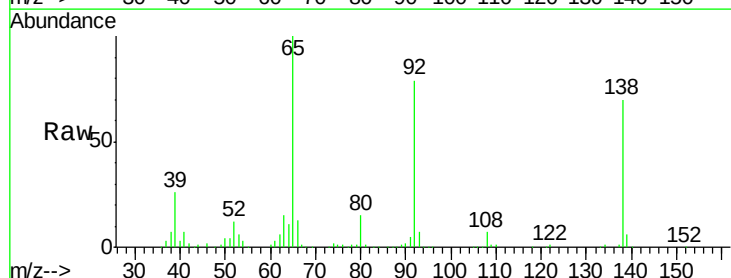
RT: 9.87 min Scan# 1323

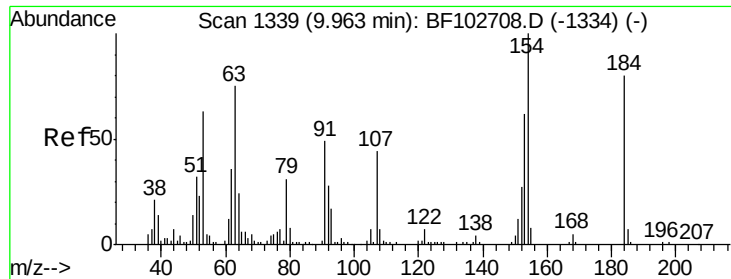
Delta R.T. -0.01 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 151500 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 9.9   | 9.4   | 14.0   |
| 92        | 112.7 | 89.4  | 134.2  |





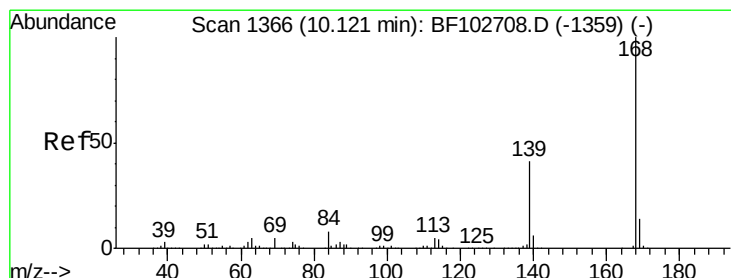
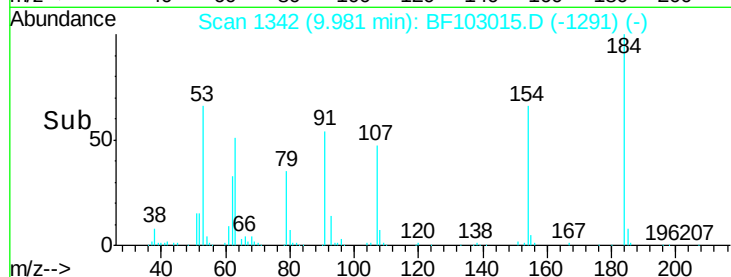
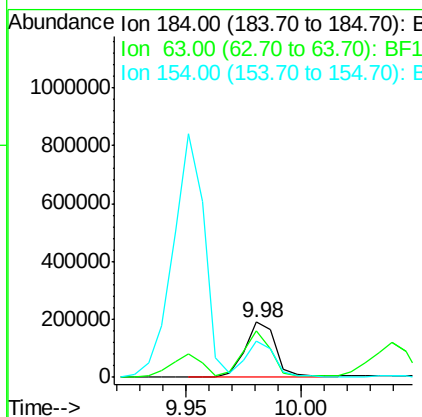
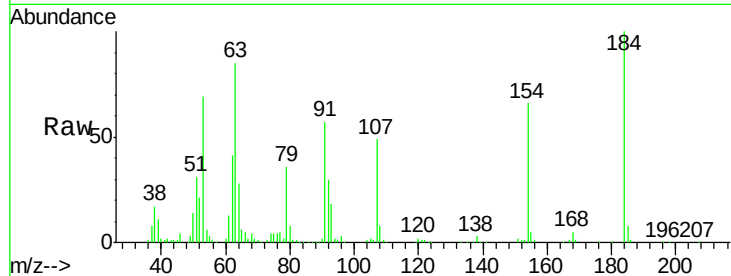
#53  
 2,4-Dinitrophenol  
 Concen: 94.767 ng  
 RT: 9.98 min Scan# 1342  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB106541BS

Tgt Ion:184 Resp: 179489  
 Ion Ratio Lower Upper  
 184 100  
 63 84.7 54.2 81.2#  
 154 66.0 184.0 276.0#

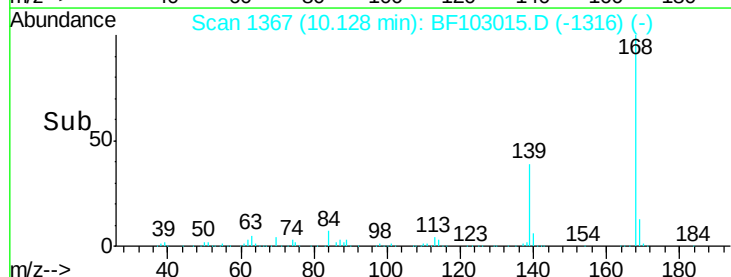
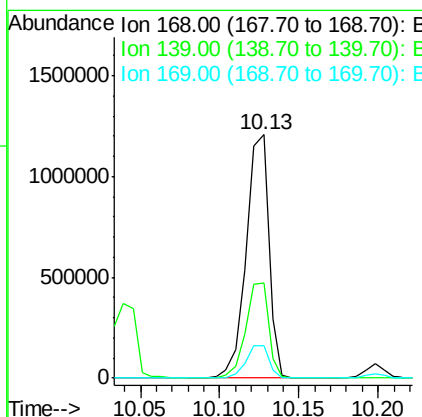
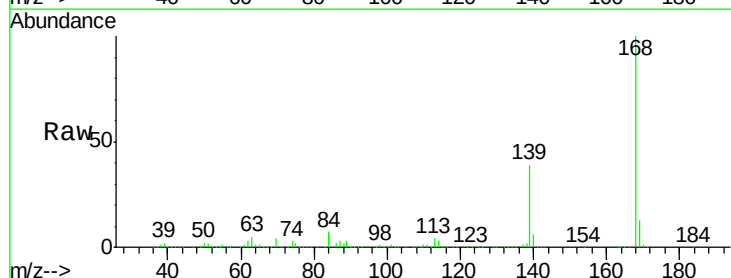
Manual Integrations  
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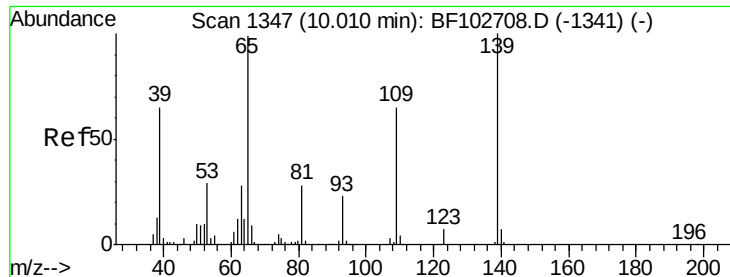
Sohil  
 2/16/2018 2:31:13 PM



#54  
 Dibenzofuran  
 Concen: 41.045 ng  
 RT: 10.13 min Scan# 1367  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Tgt Ion:168 Resp: 1196411  
 Ion Ratio Lower Upper  
 168 100  
 139 38.9 30.1 45.1  
 169 13.5 10.9 16.3





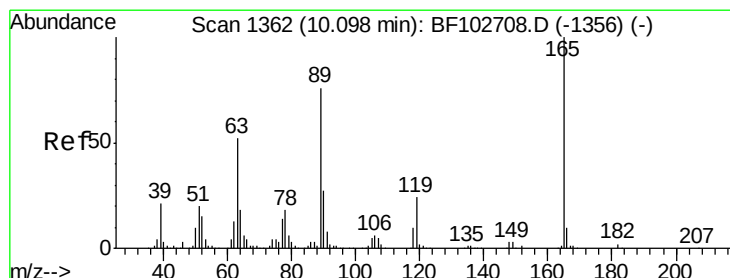
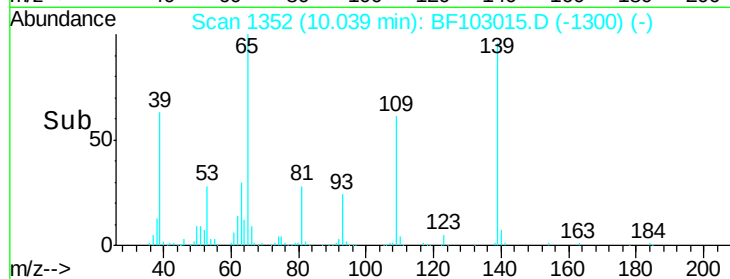
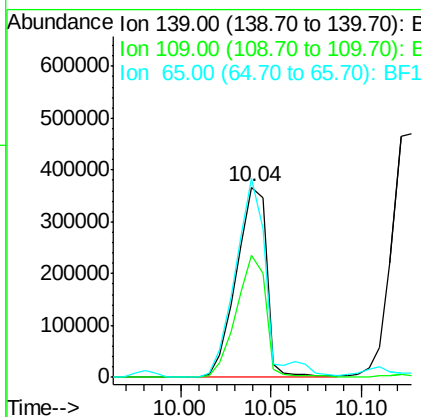
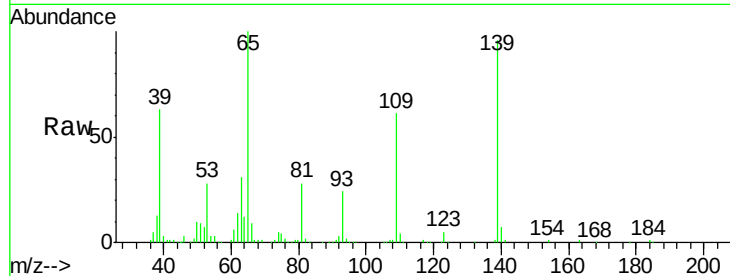
#55  
4-Nitrophenol  
Concen: 84.931 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. 0.01 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 429131 |       |       |
| 109     | 64.1  | 48.4   | 88.4  |       |
| 65      | 104.4 | 72.6   | 112.6 |       |

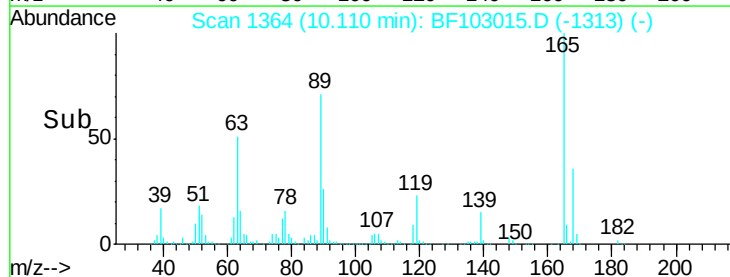
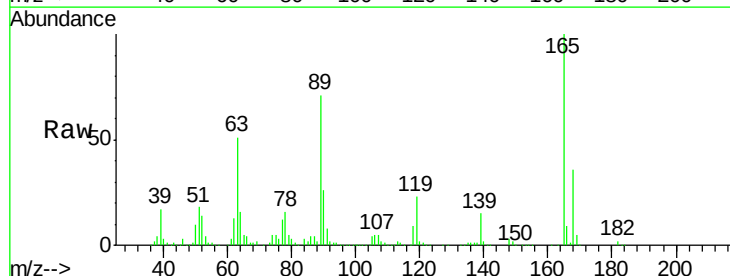
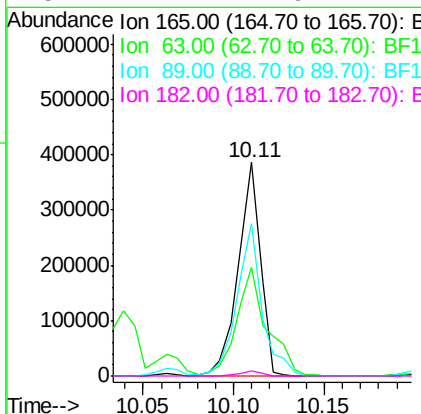
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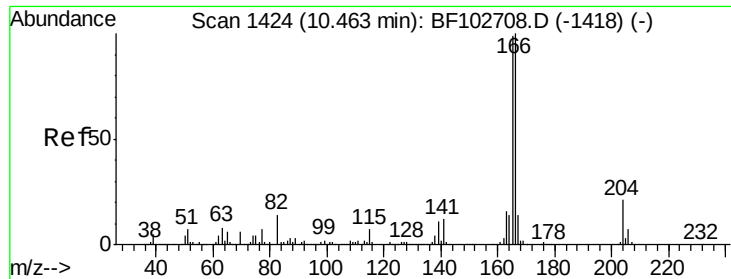


#56  
2,4-Dinitrotoluene  
Concen: 49.542 ng  
RT: 10.11 min Scan# 1364  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 331698 |       |       |
| 63      | 50.7  | 36.4   | 54.6  |       |
| 89      | 71.4  | 57.8   | 86.6  |       |
| 182     | 2.2   | 1.6    | 2.4   |       |







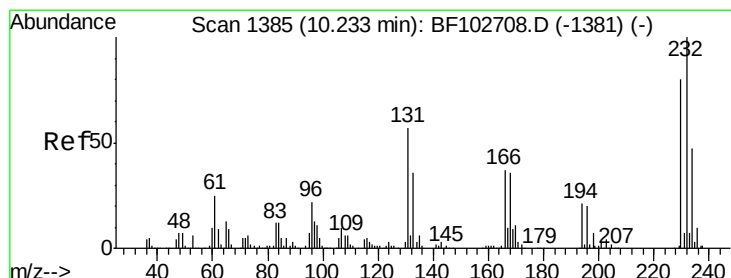
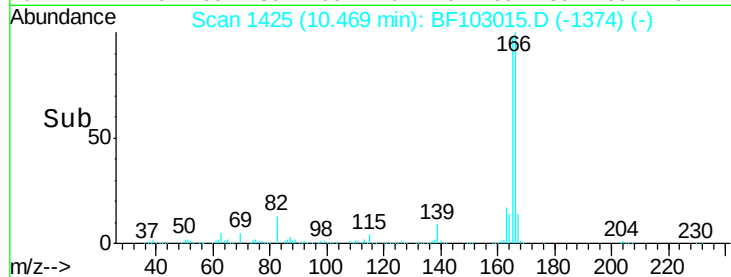
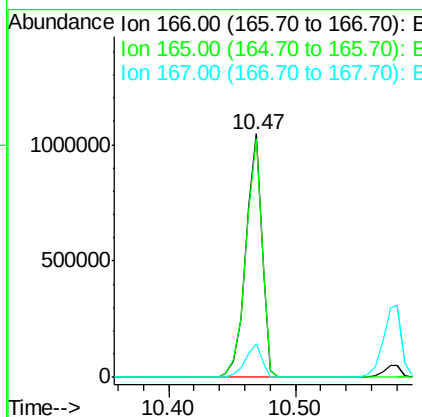
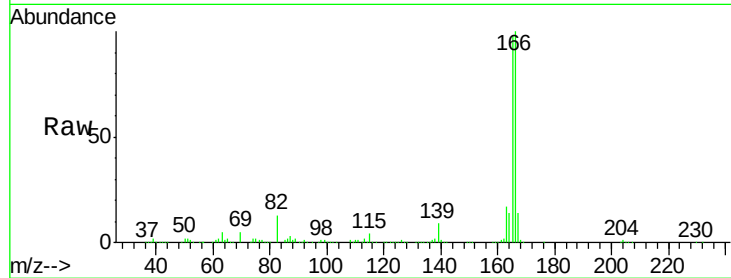
#57  
 Fluorene  
 Concen: 43.244 ng  
 RT: 10.47 min Scan# 1425  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106541BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 917117 |       |       |
| 165     | 98.2  | 79.8   | 119.8 |       |
| 167     | 13.7  | 10.6   | 16.0  |       |

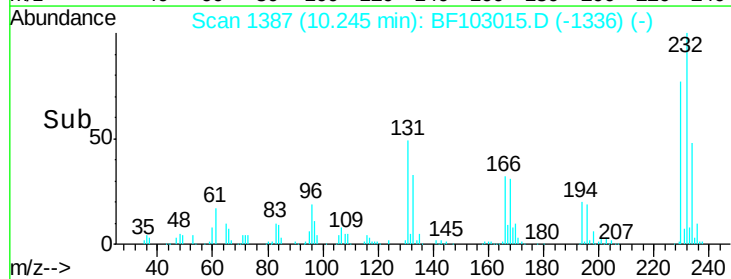
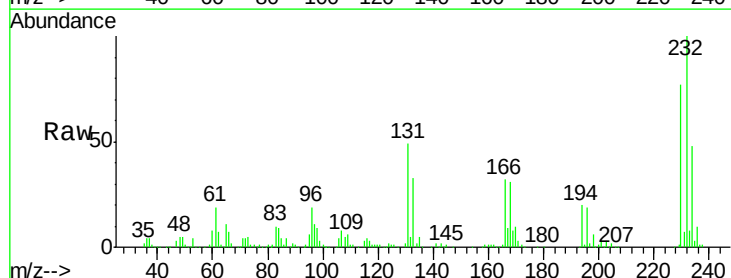
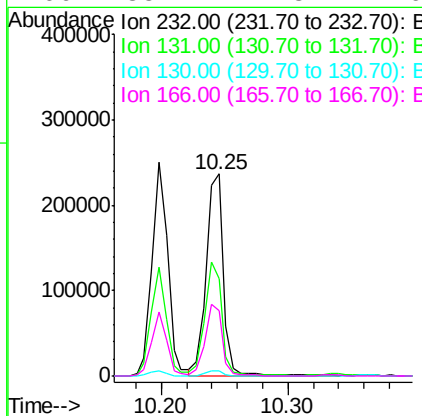
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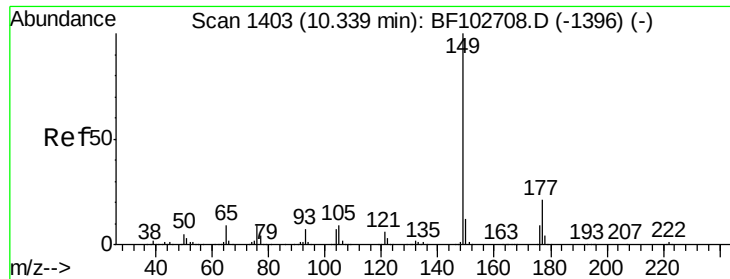
Sohil  
 2/16/2018 2:31:13 PM



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 47.909 ng  
 RT: 10.25 min Scan# 1387  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 224769 |       |       |
| 131     | 55.5  | 43.8   | 65.8  |       |
| 130     | 2.7   | 2.1    | 3.1   |       |
| 166     | 35.7  | 27.8   | 41.6  |       |





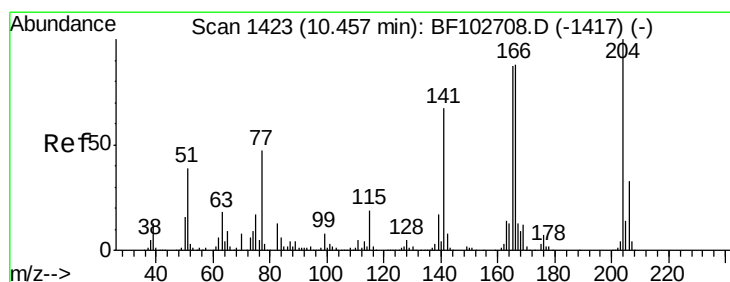
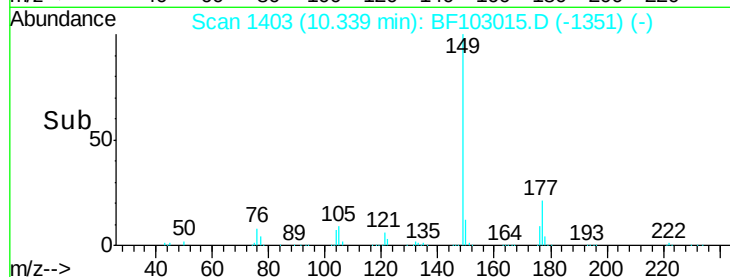
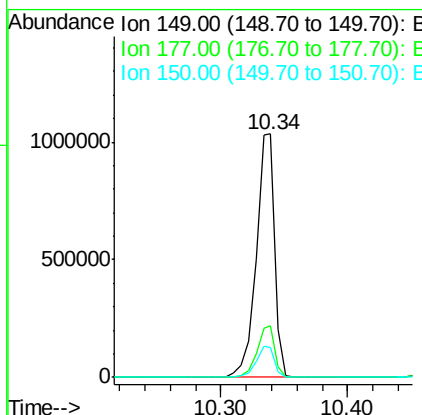
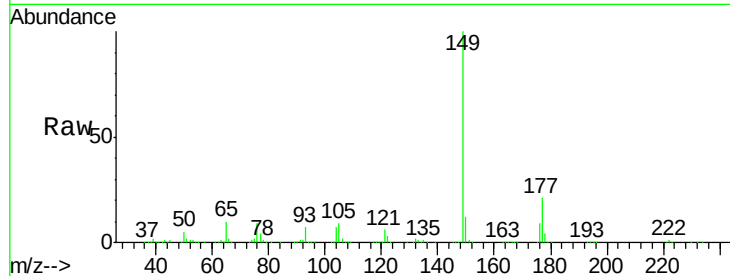
#59  
Diethylphthalate  
Concen: 41.003 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. 0.01 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampled :  
PB106541BS

Tgt Ion:149 Resp: 1060117  
Ion Ratio Lower Upper  
149 100  
177 21.4 16.1 24.1  
150 12.4 10.1 15.1

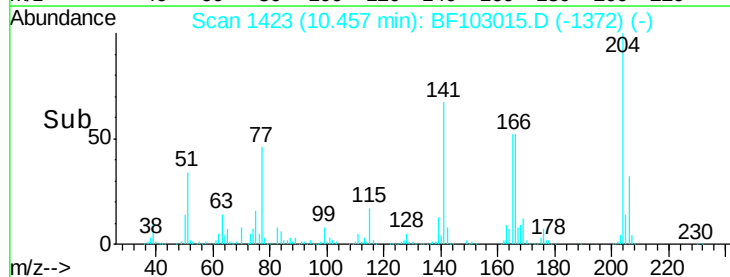
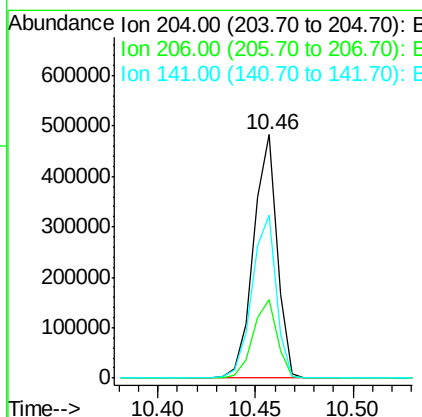
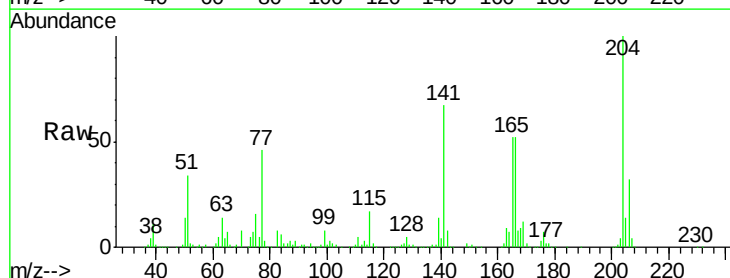
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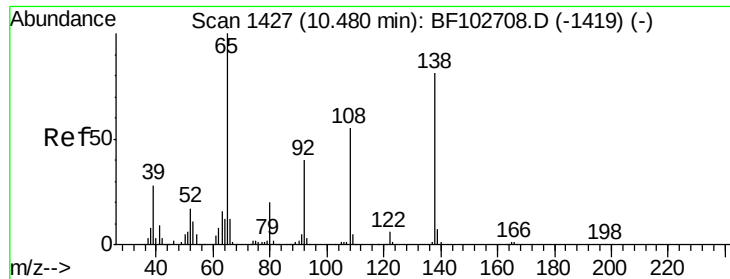
Sohil  
2/16/2018 2:31:13 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 43.106 ng  
RT: 10.46 min Scan# 1423  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Tgt Ion:204 Resp: 404406  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.5 39.7  
141 66.7 54.6 81.8





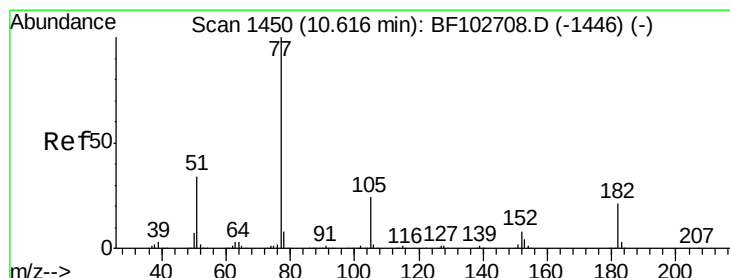
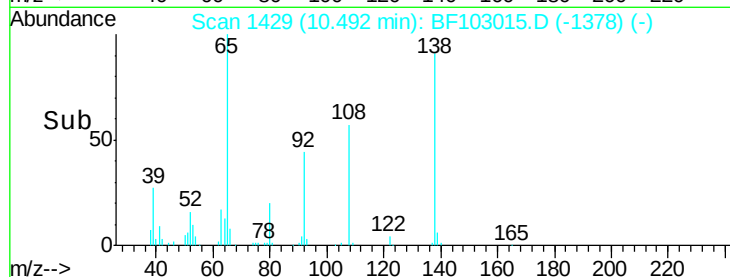
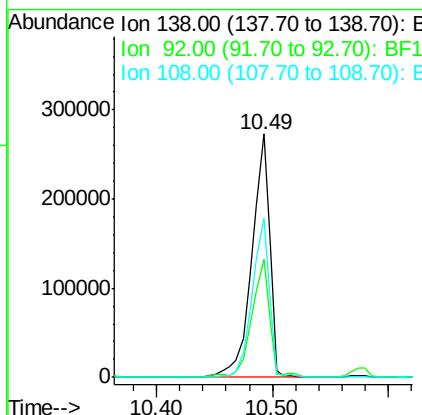
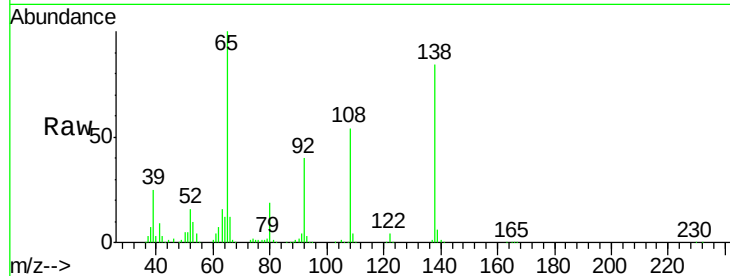
#61  
4-Nitroaniline  
Concen: 50.275 ng  
RT: 10.49 min Scan# 1429  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 48.3  | 30.2  | 70.2  |
| 108     | 65.1  | 52.5  | 92.5  |

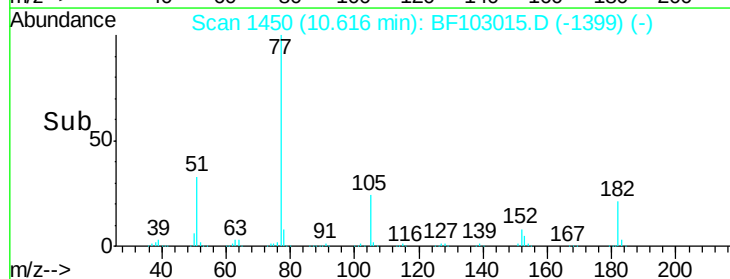
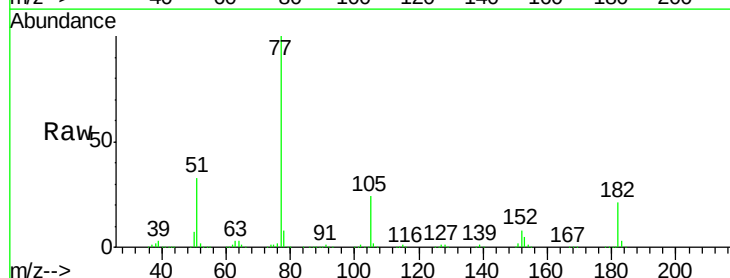
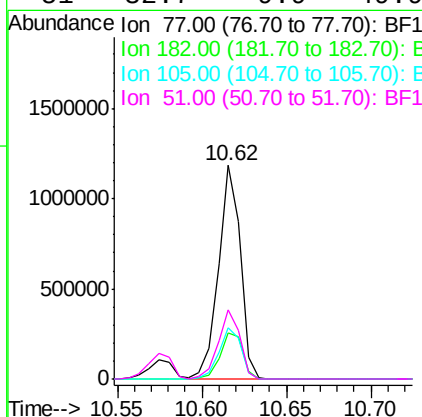
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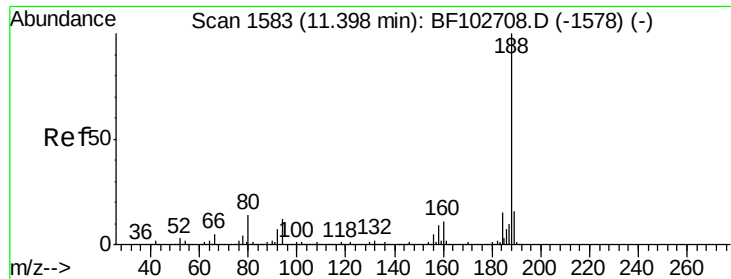
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#62  
Azobenzene  
Concen: 41.521 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 21.4  | 1.7   | 41.7  |
| 105     | 24.3  | 3.0   | 43.0  |
| 51      | 32.7  | 9.9   | 49.9  |





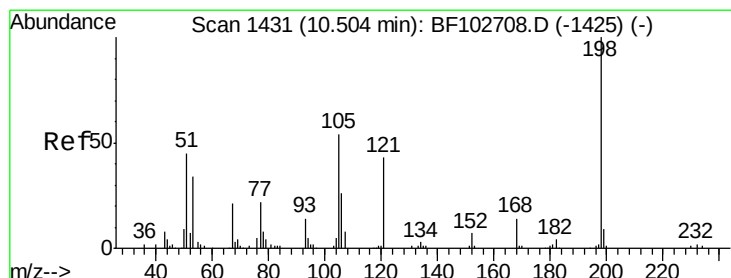
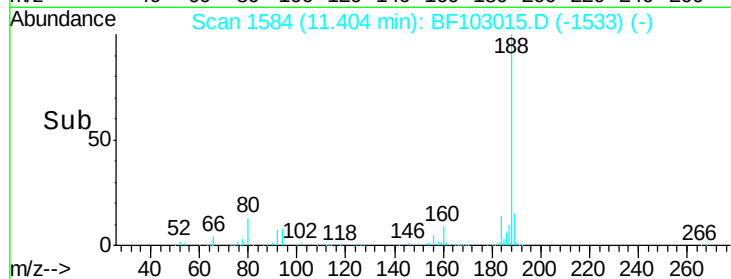
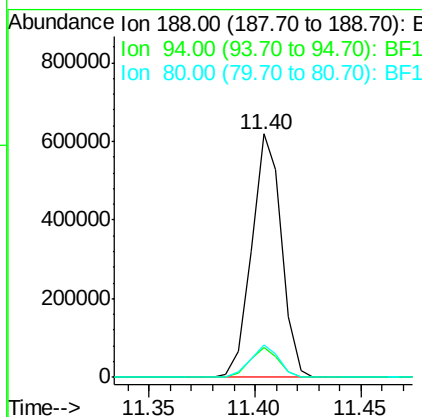
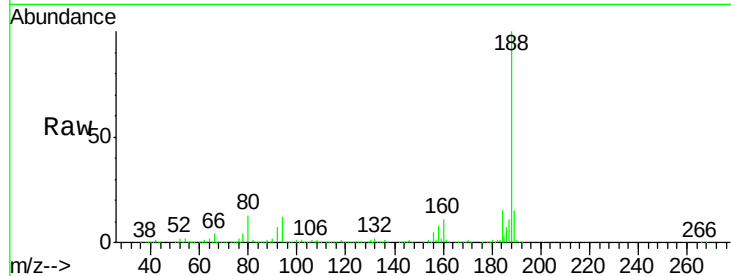
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 606249 |       |       |
| 94      | 12.4  | 8.5    | 12.7  |       |
| 80      | 13.5  | 9.2    | 13.8  |       |

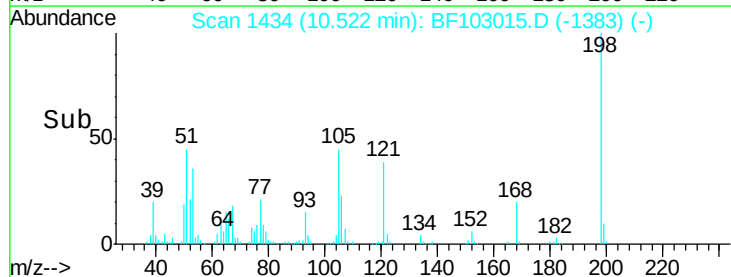
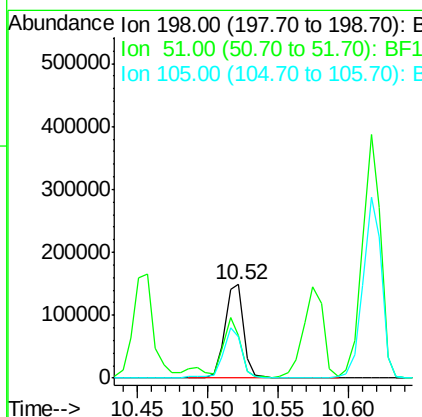
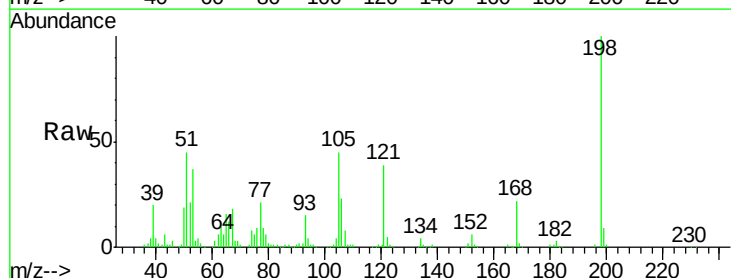
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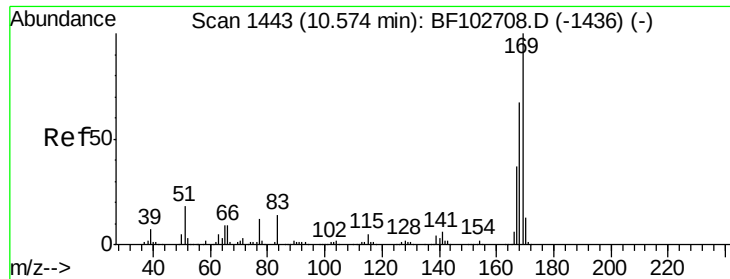
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 52.754 ng  
RT: 10.52 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 137727 |       |       |
| 51      | 45.4  | 37.7   | 77.7  |       |
| 105     | 44.7  | 36.3   | 76.3  |       |





#65

n-Nitrosodiphenylamine

Concen: 40.260 ng

RT: 10.58 min Scan# 1444

Delta R.T. 0.00 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

ClientSampleId :

PB106541BS

Tgt Ion:169 Resp: 860926  
Ion Ratio Lower Upper

169 100

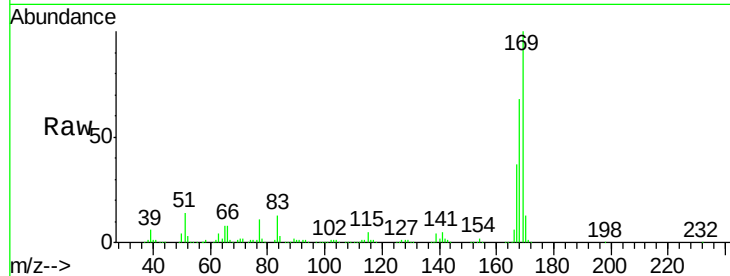
168 67.6 54.4 81.6

167 37.5 29.8 44.6

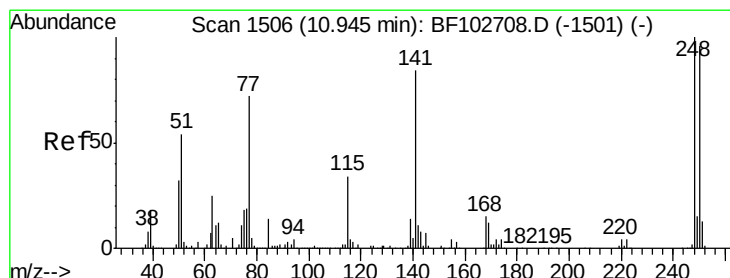
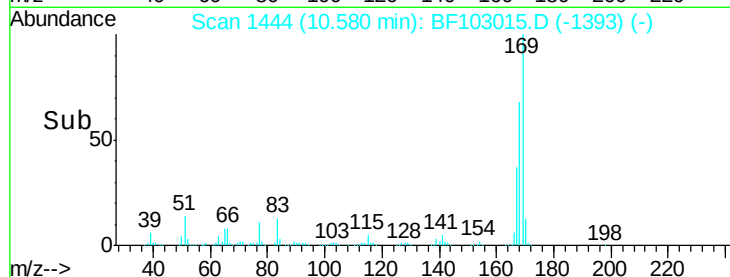
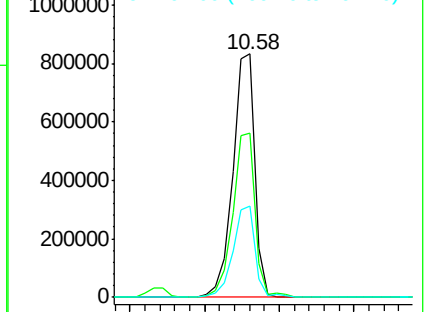
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Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 40.045 ng

RT: 10.95 min Scan# 1506

Delta R.T. -0.01 min

Lab File: BF103015.D

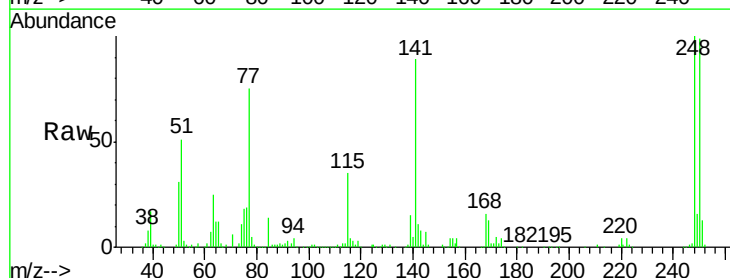
Acq: 15 Feb 2018 14:04

Tgt Ion:248 Resp: 256811  
Ion Ratio Lower Upper

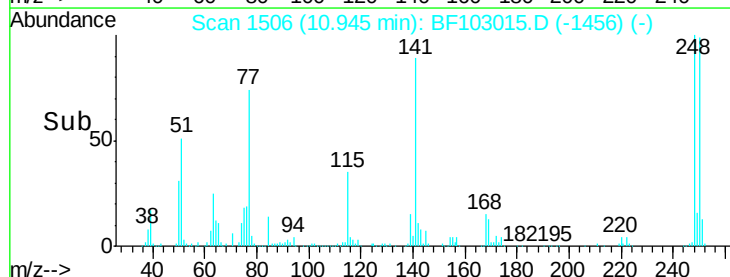
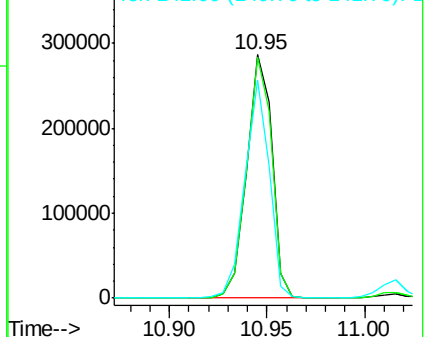
248 100

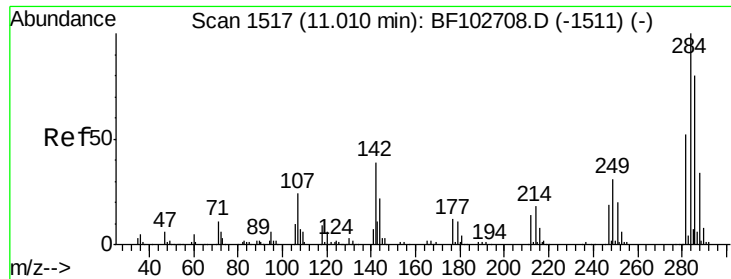
250 99.0 76.9 115.3

141 89.3 74.4 111.6



Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 39.557 ng

RT: 11.02 min Scan# 1518

Delta R.T. 0.00 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

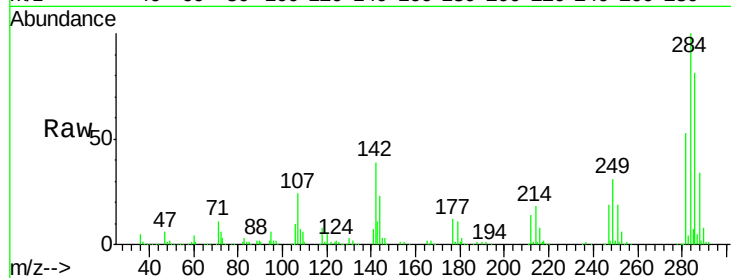
ClientSampleId :

PB106541BS

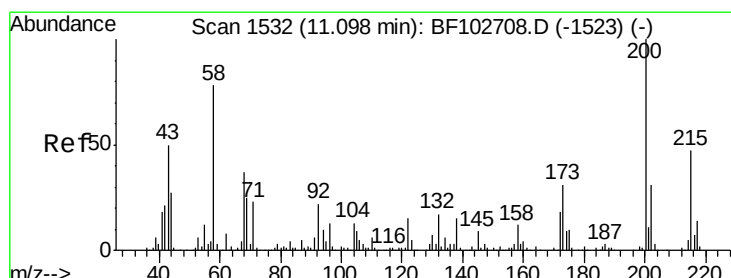
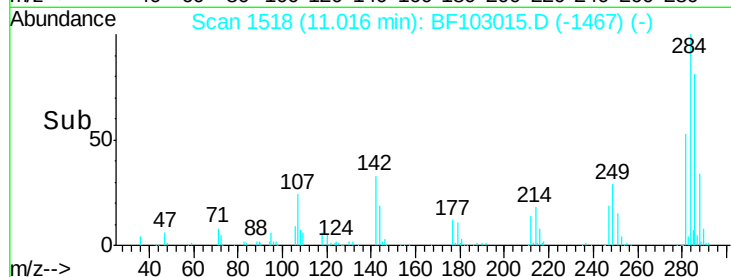
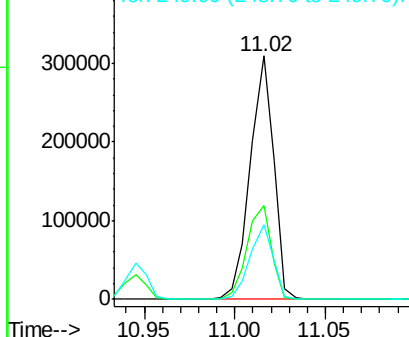
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 284   | Resp: | 279854 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 38.7  | 34.6  | 52.0   |
| 249       | 30.9  | 24.8  | 37.2   |

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Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 43.649 ng

RT: 11.10 min Scan# 1533

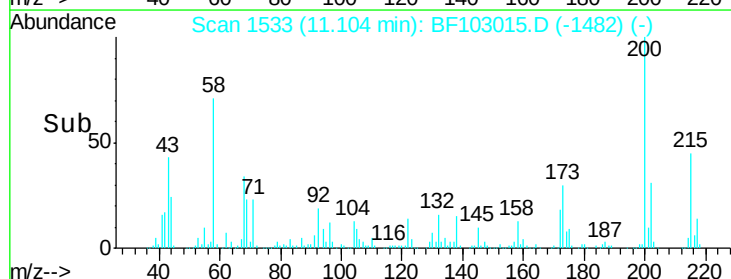
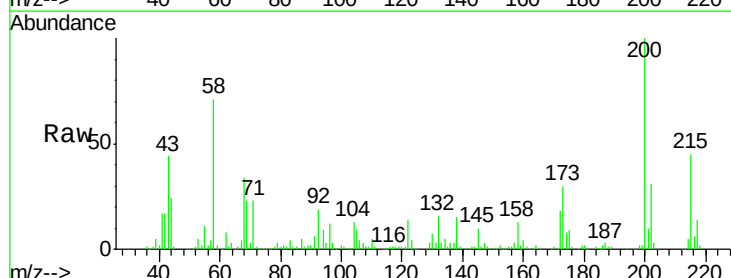
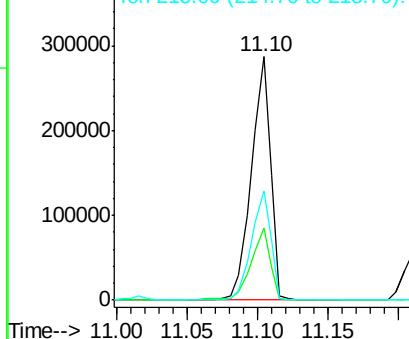
Delta R.T. 0.00 min

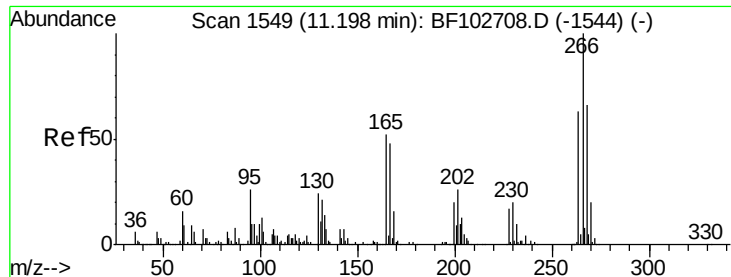
Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 275362 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 29.8  | 8.6   | 48.6   |
| 215       | 44.6  | 25.1  | 65.1   |

Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





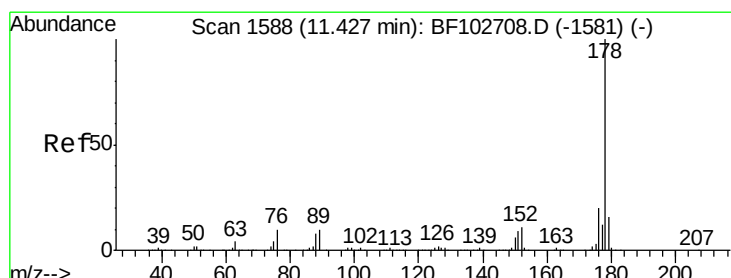
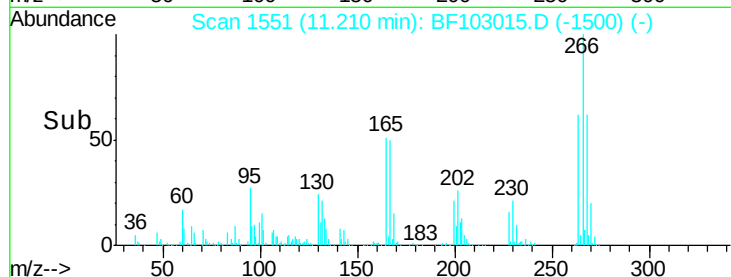
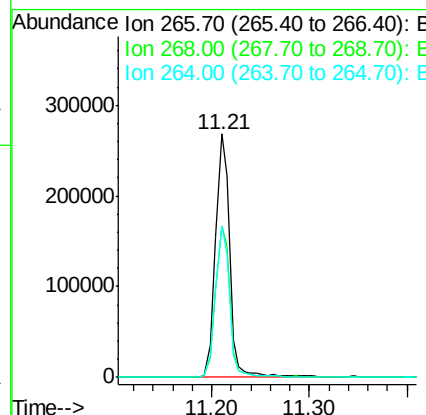
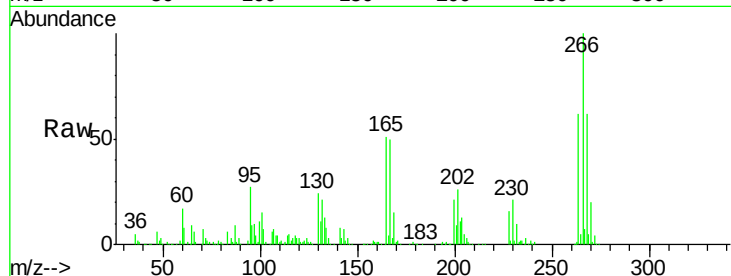
#69  
 Pentachlorophenol  
 Concen: 65.862 ng  
 RT: 11.21 min Scan# 1551  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106541BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.3  | 51.1  | 76.7  |
| 264     | 62.2  | 49.5  | 74.3  |

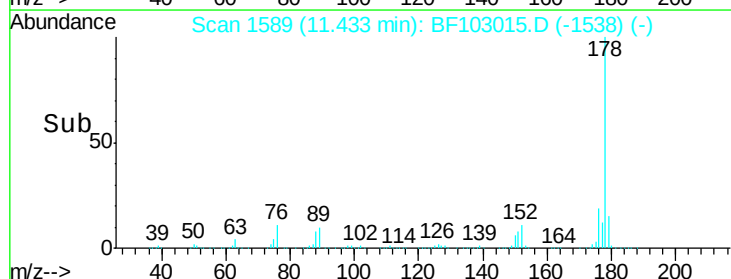
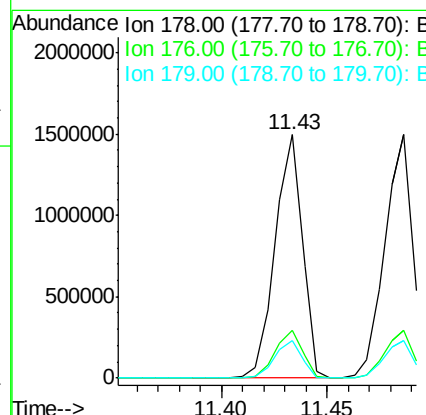
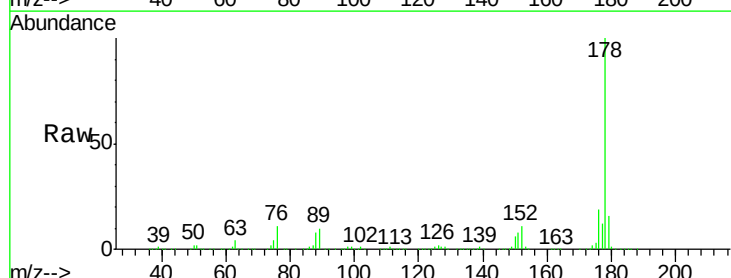
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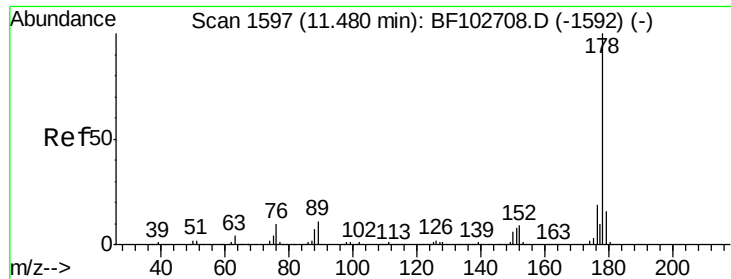
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#70  
 Phenanthrene  
 Concen: 40.074 ng  
 RT: 11.43 min Scan# 1589  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.8  | 23.8  |
| 179     | 15.6  | 13.0  | 19.6  |





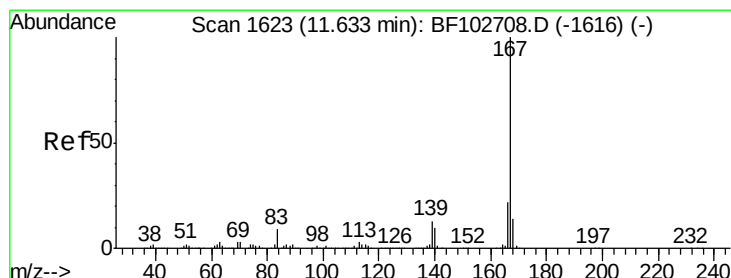
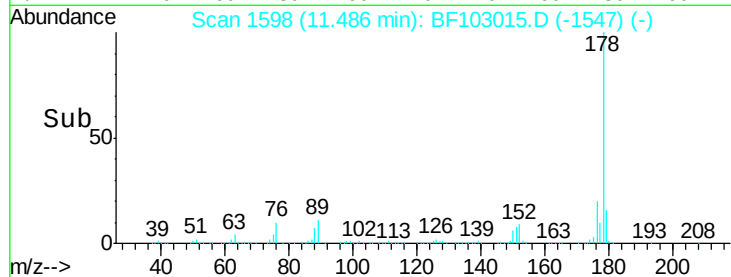
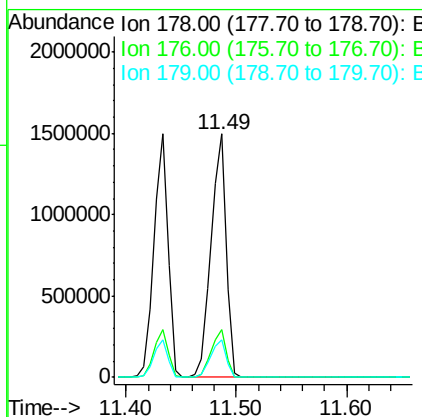
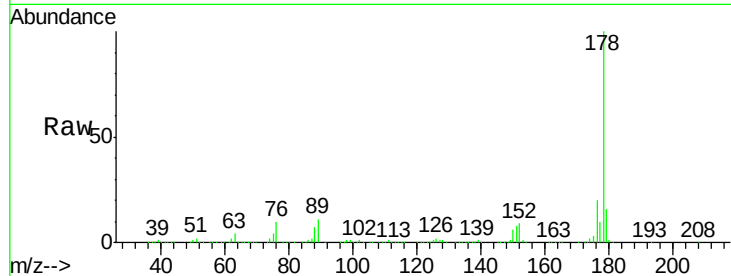
#71  
 Anthracene  
 Concen: 40.667 ng  
 RT: 11.49 min Scan# 1598  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106541BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 15.4  | 23.2  |
| 179     | 15.6  | 12.6  | 19.0  |

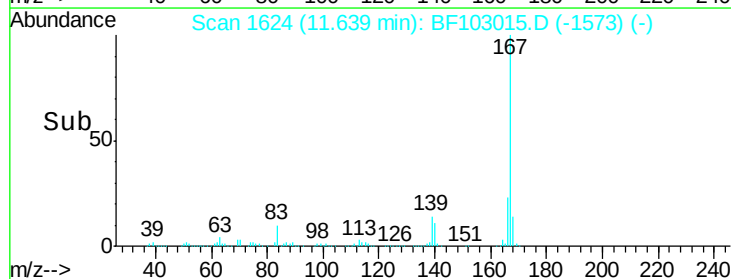
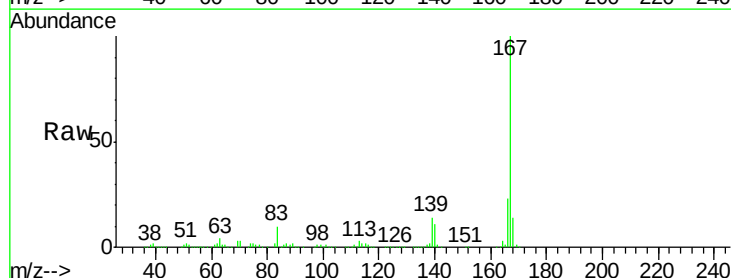
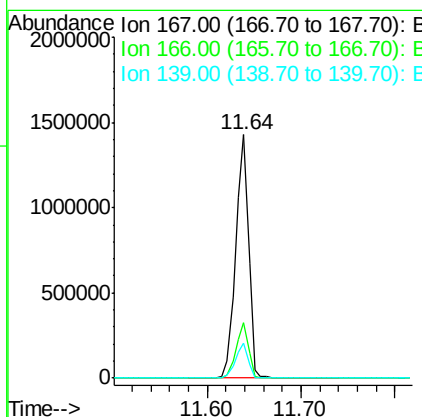
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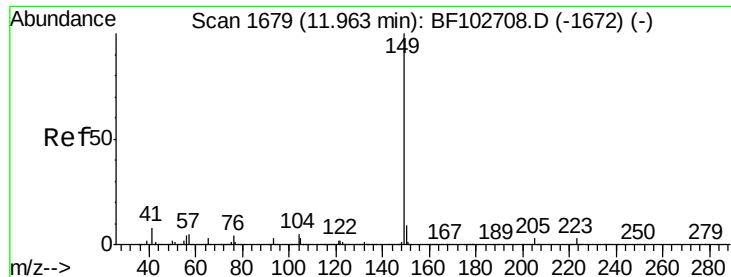


#72  
 Carbazole  
 Concen: 40.251 ng  
 RT: 11.64 min Scan# 1624  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.6  | 17.6  | 26.4  |
| 139     | 14.3  | 10.9  | 16.3  |







#73

Di-n-butylphthalate

Concen: 41.699 ng

RT: 11.96 min Scan# 1678

Delta R.T. 0.00 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

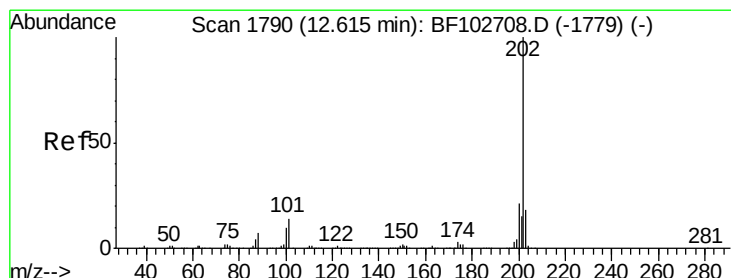
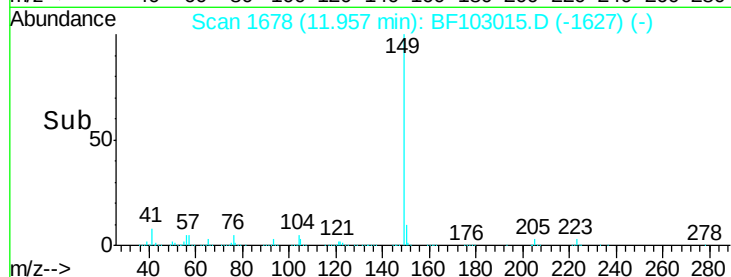
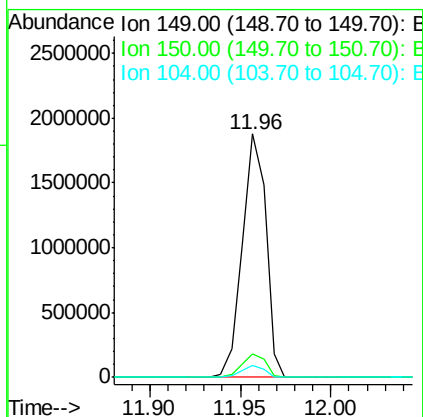
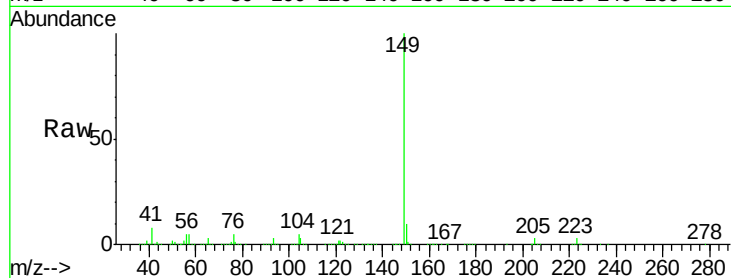
ClientSampled :

PB106541BS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1704171 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 150       | 9.7   | 7.8   | 11.6    |
| 104       | 4.8   | 3.8   | 5.8     |

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#74

Fluoranthene

Concen: 41.611 ng

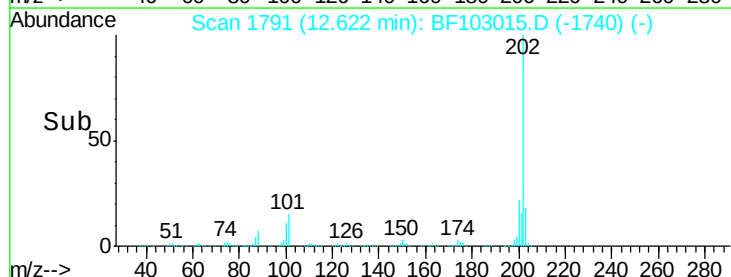
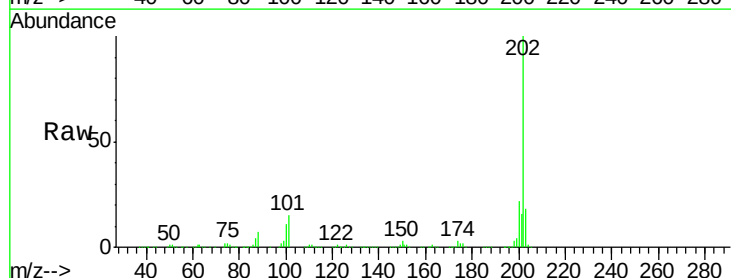
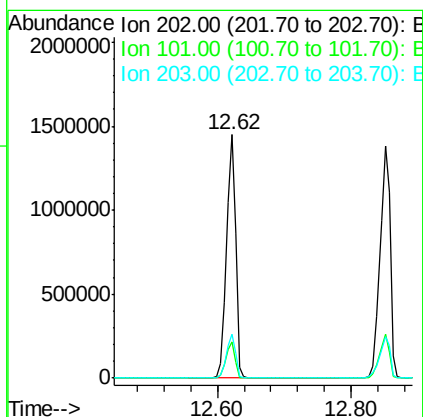
RT: 12.62 min Scan# 1791

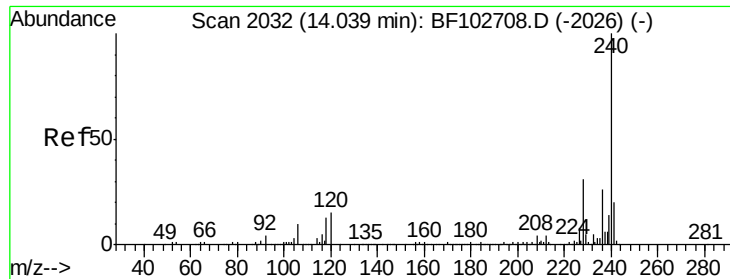
Delta R.T. 0.00 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1413552 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 15.0  | 0.0   | 34.1    |
| 203       | 18.1  | 0.0   | 38.1    |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

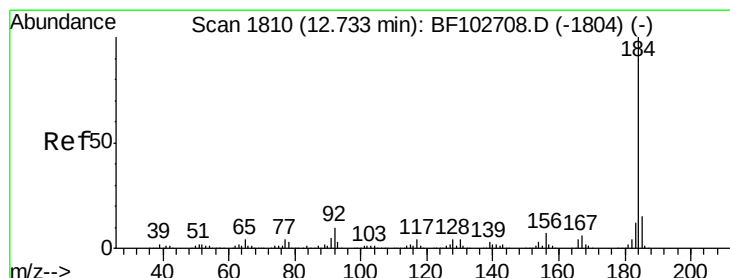
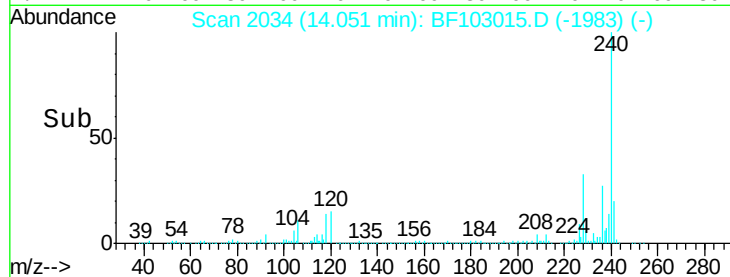
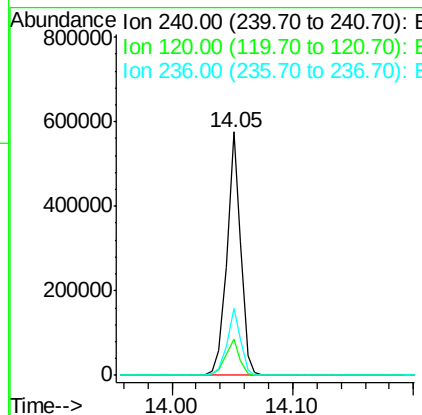
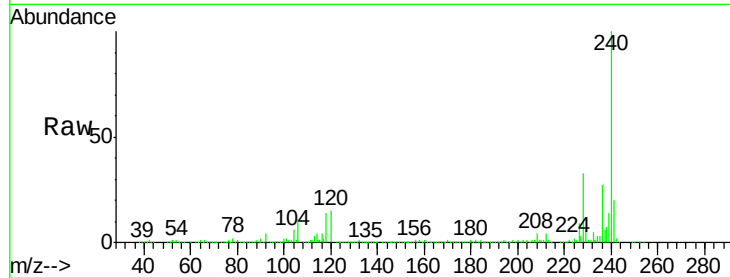
ClientSampleId :

PB106541BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 450903 |       |       |
| 120     | 15.0  | 9.5    | 14.3# |       |
| 236     | 27.3  | 20.7   | 31.1  |       |

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#76

Benzidine

Concen: 25.879 ng

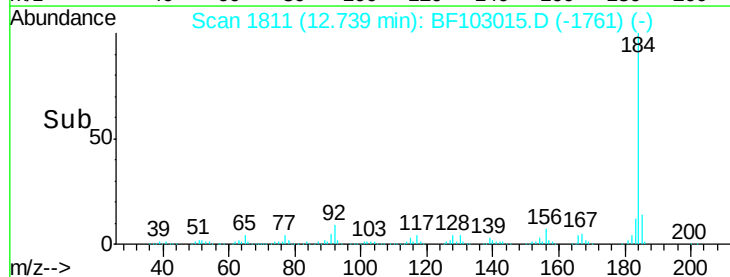
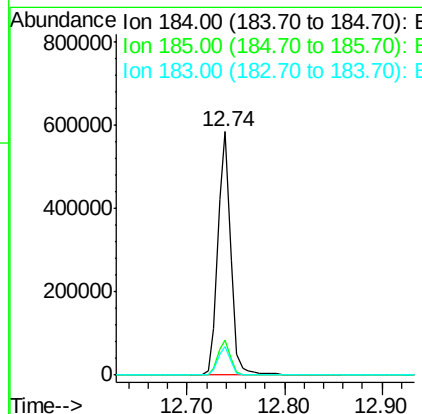
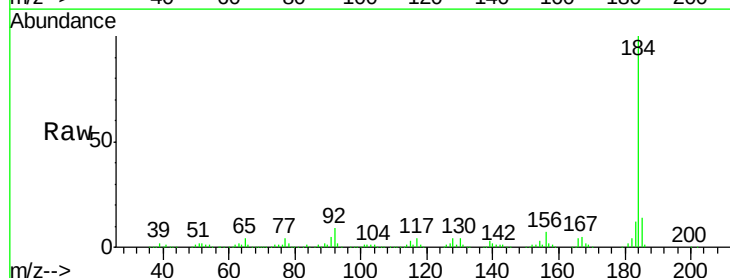
RT: 12.74 min Scan# 1811

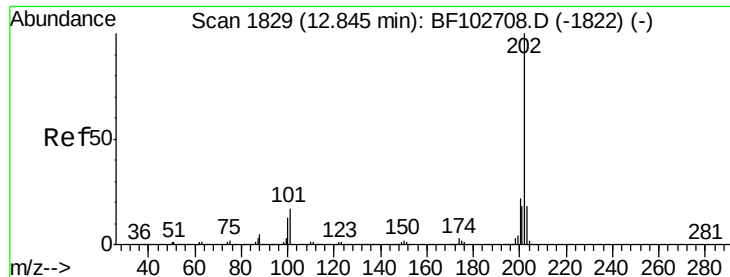
Delta R.T. -0.01 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 536304 |       |       |
| 185     | 14.4  | 12.6   | 18.8  |       |
| 183     | 11.8  | 9.3    | 13.9  |       |





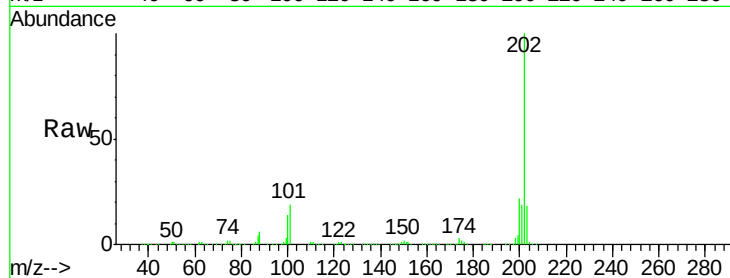
#77  
 Pyrene  
 Concen: 40.280 ng  
 RT: 12.85 min Scan# 1830  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106541BS

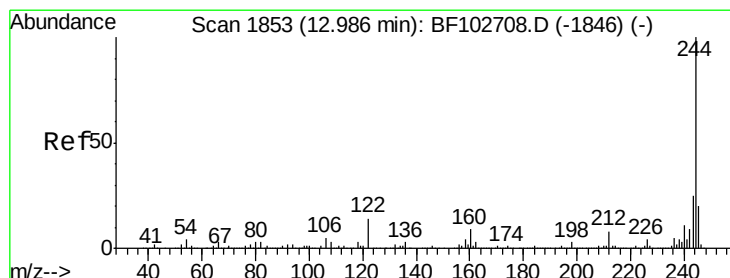
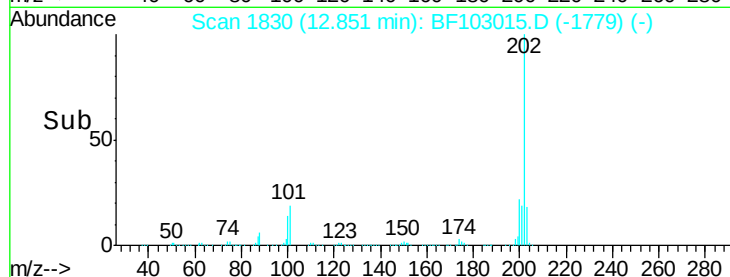
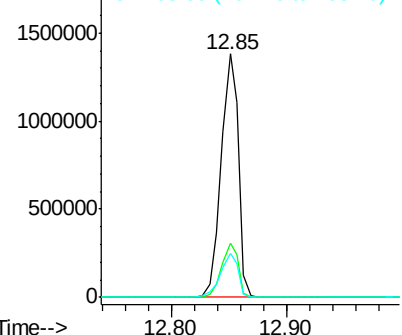
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.4  | 17.4  | 26.2  |
| 203     | 17.9  | 14.3  | 21.5  |

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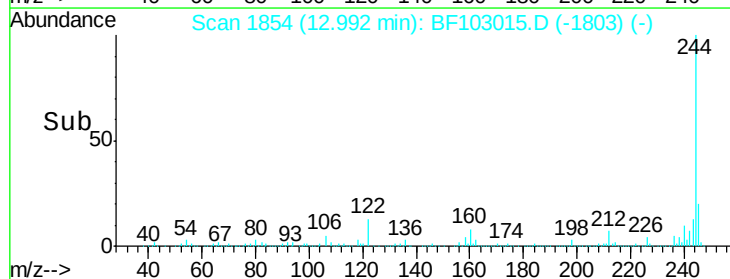
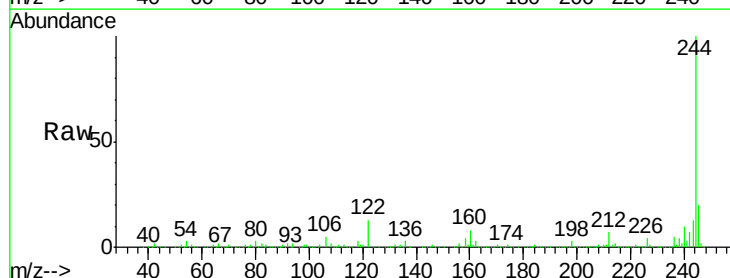
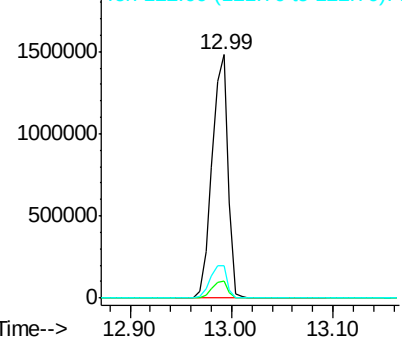
Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

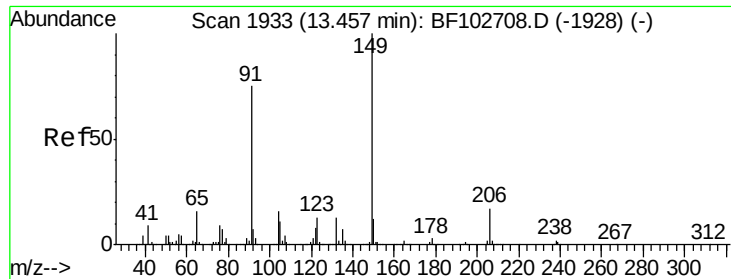


#78  
 Terphenyl-d14  
 Concen: 84.467 ng  
 RT: 12.99 min Scan# 1854  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 5.4   | 8.0   |
| 122     | 13.2  | 11.0  | 16.4  |

Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E





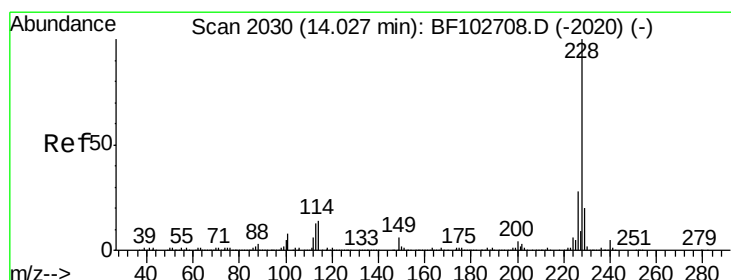
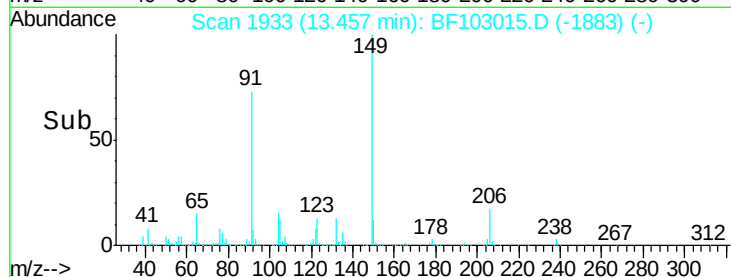
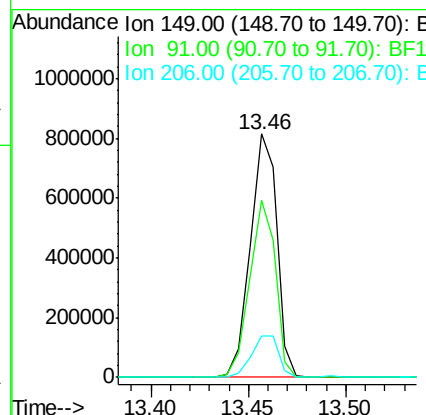
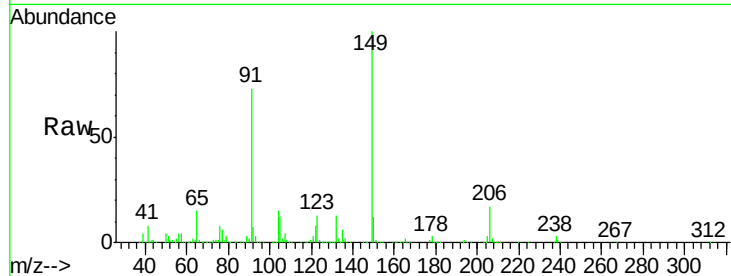
#79  
Butylbenzylphthalate  
Concen: 45.348 ng  
RT: 13.46 min Scan# 1933  
Delta R.T. -0.01 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 765982 |       |       |
| 91      | 72.5  | 56.8   | 85.2  |       |
| 206     | 17.2  | 14.1   | 21.1  |       |

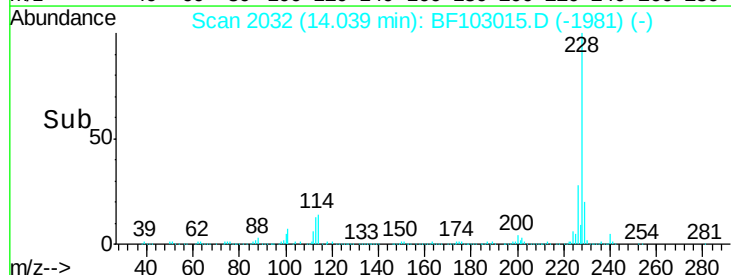
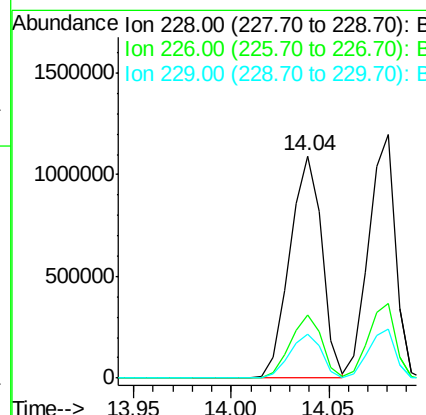
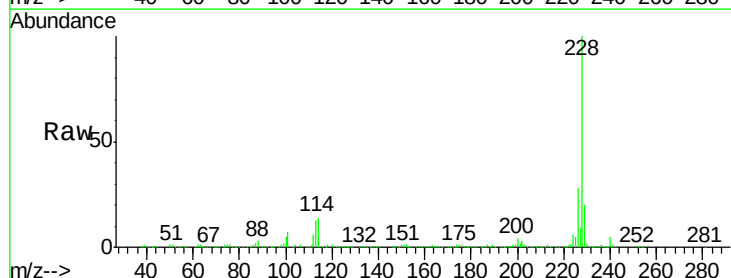
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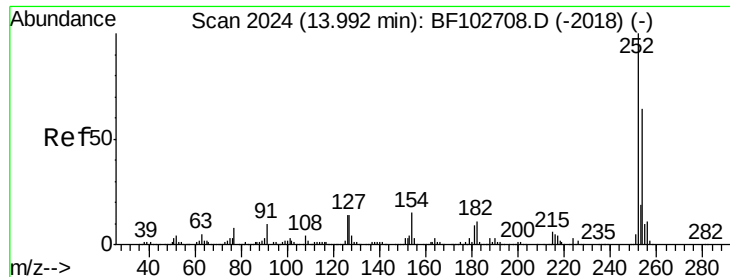
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#80  
Benzo(a)anthracene  
Concen: 43.994 ng  
RT: 14.04 min Scan# 2032  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 228     | 100   | 1247564 |       |       |
| 226     | 28.5  | 22.6    | 33.8  |       |
| 229     | 20.0  | 15.8    | 23.6  |       |





#81

3,3'-Dichlorobenzidine

Concen: 23.595 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

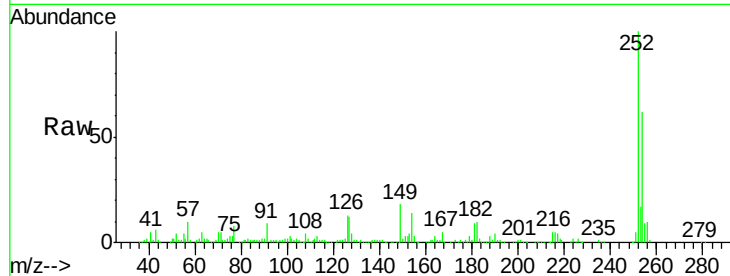
ClientSampleId :

PB106541BS

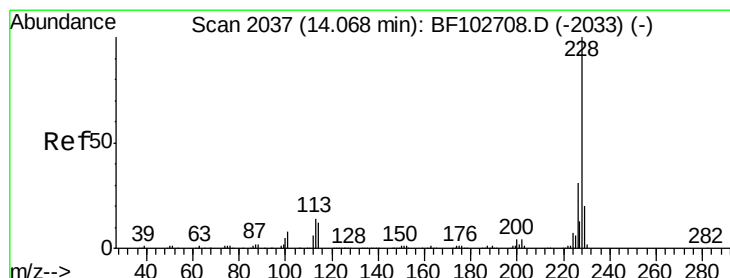
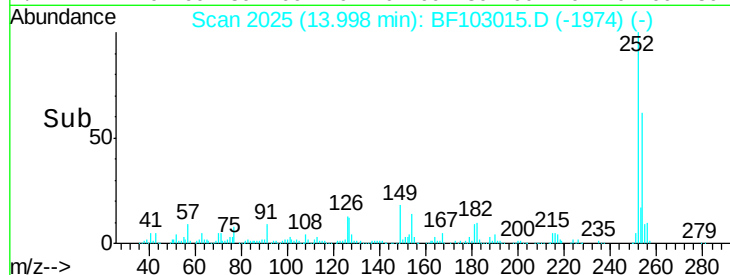
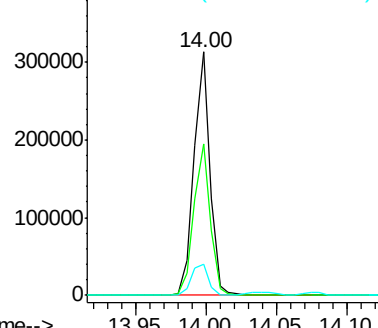
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 248088 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 254       | 62.2  | 50.4  | 75.6   |
| 126       | 13.0  | 11.3  | 16.9   |

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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 40.364 ng

RT: 14.08 min Scan# 2039

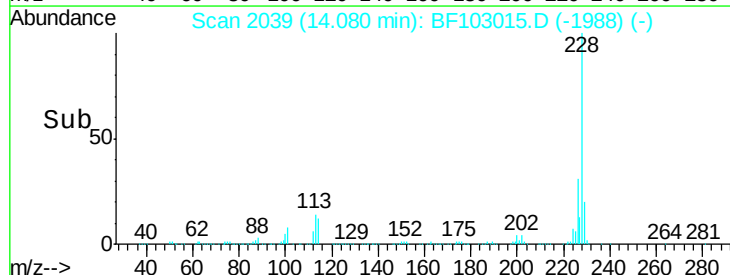
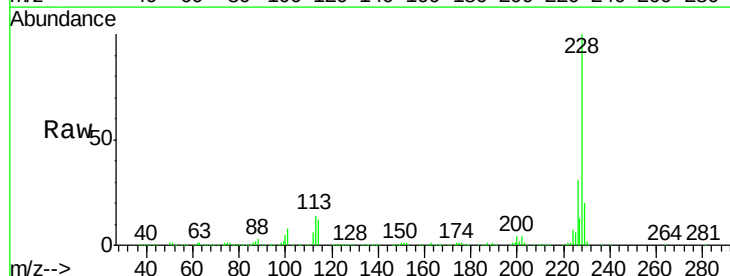
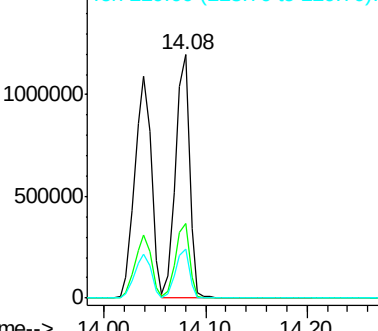
Delta R.T. 0.00 min

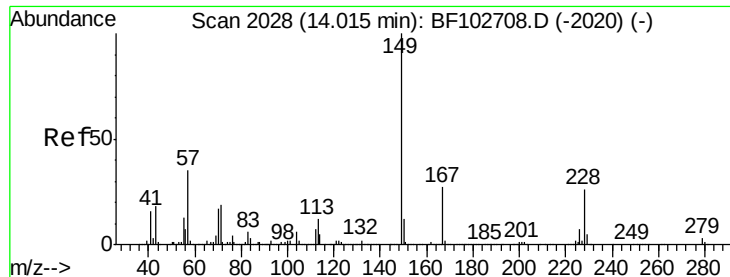
Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 228   | Resp: | 1153839 |
| Ion Ratio | Lower | Upper |         |
| 228       | 100   |       |         |
| 226       | 30.9  | 25.0  | 37.6    |
| 229       | 20.1  | 16.2  | 24.4    |

Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 47.987 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF103015.D

Acq: 15 Feb 2018 14:04

Instrument :

BNA\_F

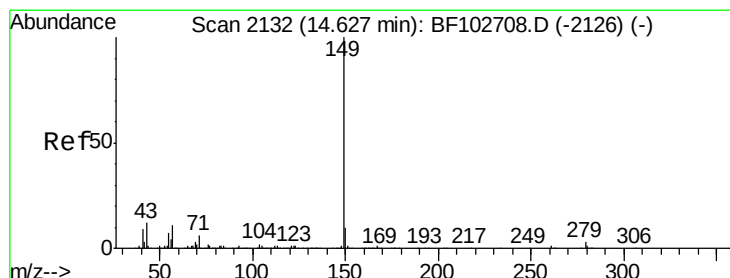
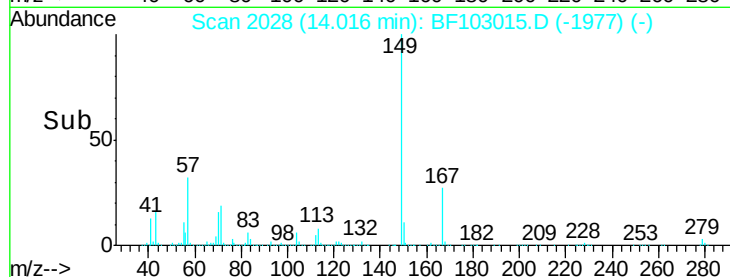
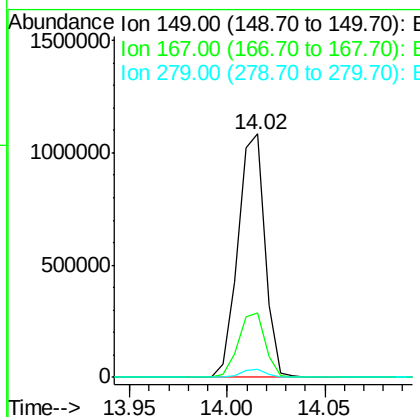
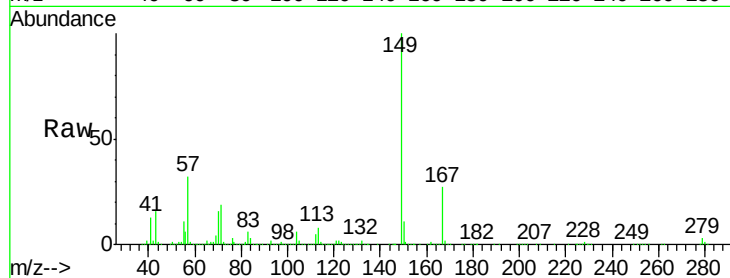
ClientSampleId :

PB106541BS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1039396 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 167       | 26.7  | 21.3  | 31.9    |
| 279       | 3.5   | 3.0   | 4.4     |

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#84

Di-n-octyl phthalate

Concen: 53.827 ng

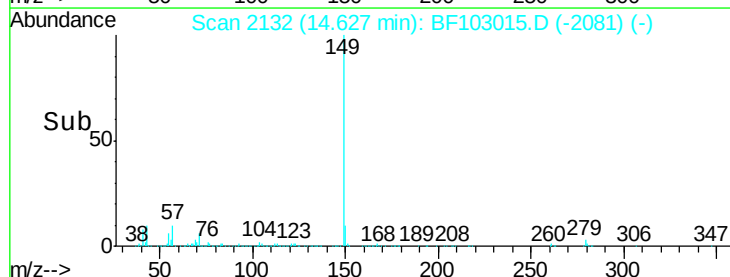
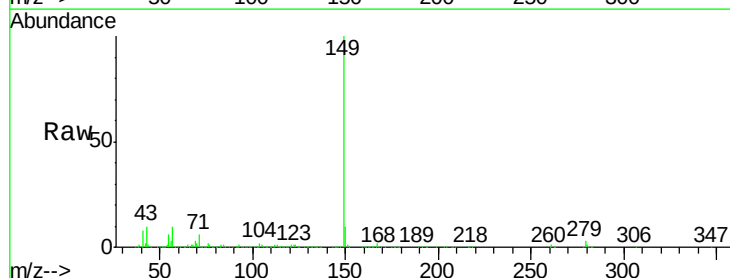
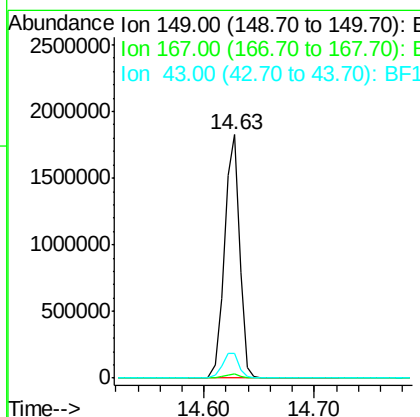
RT: 14.63 min Scan# 2132

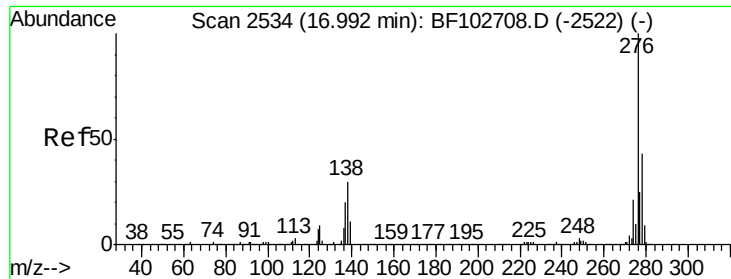
Delta R.T. 0.00 min

Lab File: BF103015.D

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|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1750593 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 167       | 1.5   | 1.2   | 1.8     |
| 43        | 10.7  | 8.4   | 12.6    |





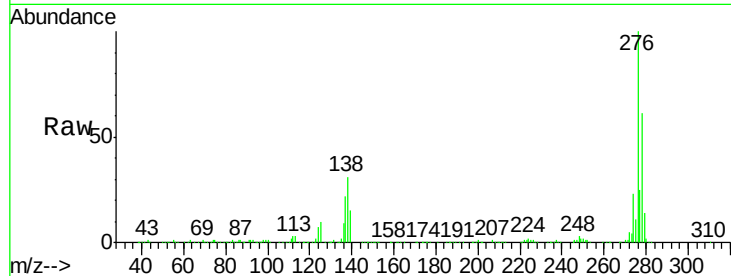
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 43.689 ng  
 RT: 17.03 min Scan# 2541  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106541BS

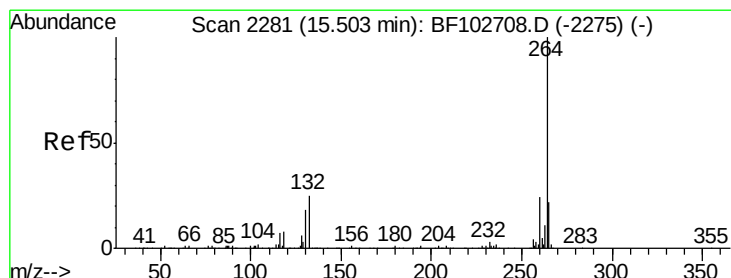
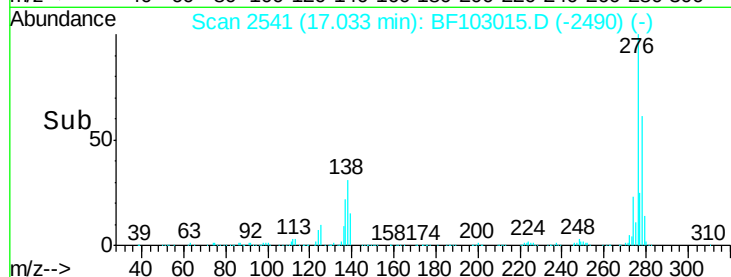
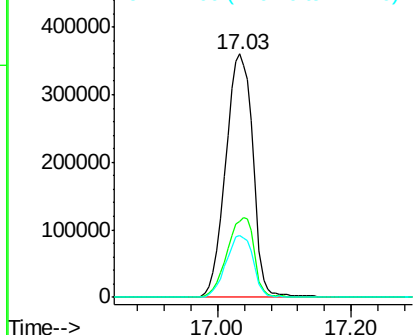
Tgt Ion:276 Resp: 1035810  
 Ion Ratio Lower Upper  
 276 100  
 138 32.8 25.0 37.6  
 277 25.5 20.1 30.1

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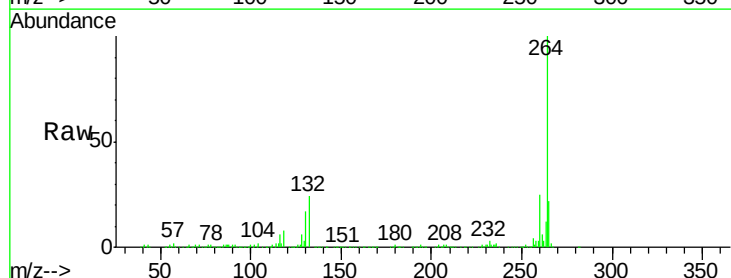


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

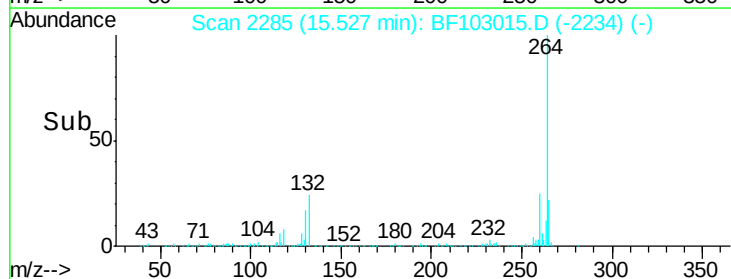
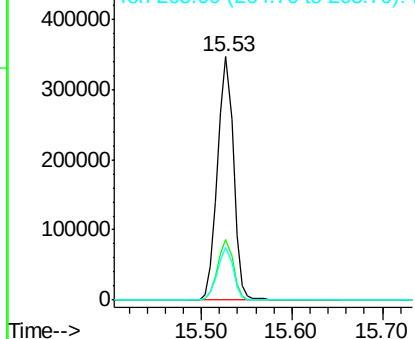


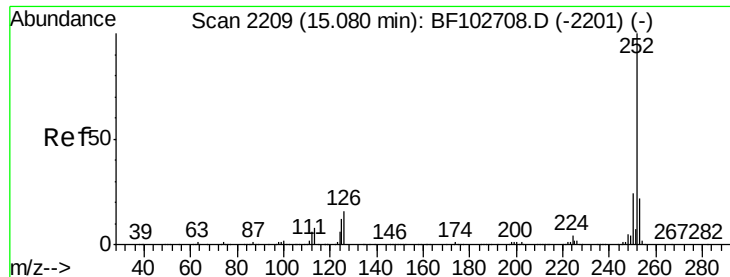
#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.53 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Tgt Ion:264 Resp: 423665  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 19.2 28.8  
 265 21.9 17.5 26.3



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





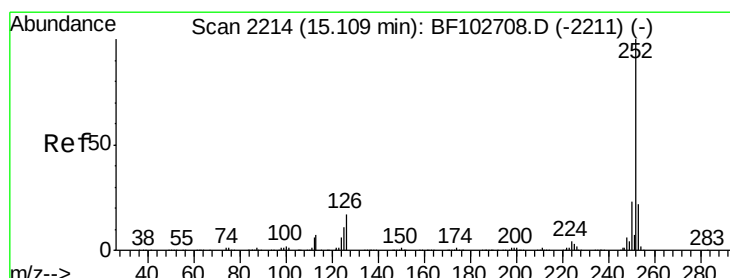
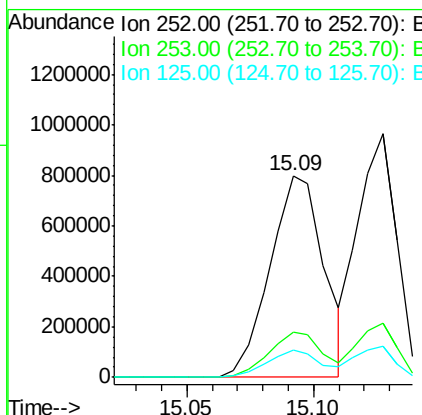
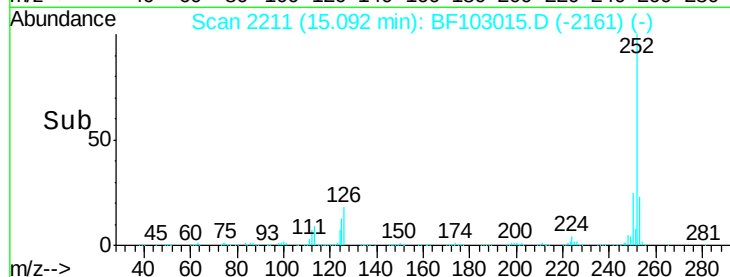
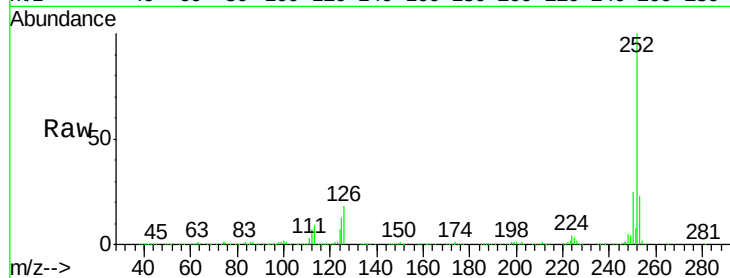
#87  
Benzo(b)fluoranthene  
Concen: 43.267 ng  
RT: 15.09 min Scan# 2211  
Delta R.T. -0.01 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:252 Resp: 1188450  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.0 25.6  
125 13.4 9.0 13.6

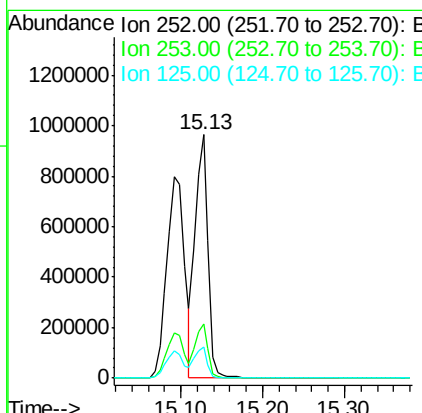
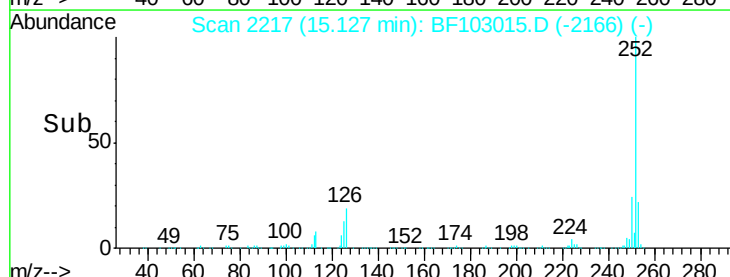
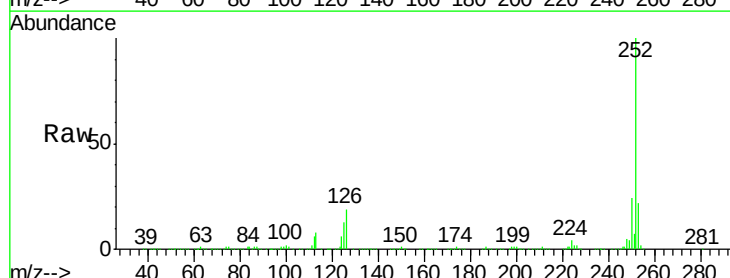
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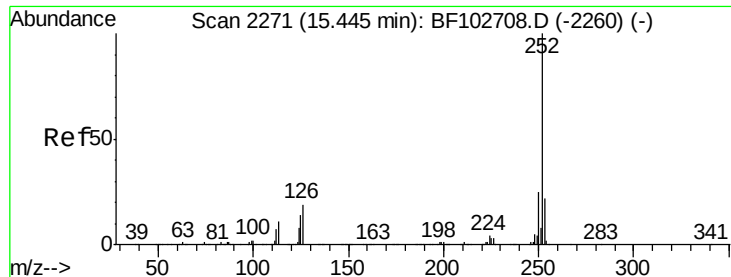


#88  
Benzo(k)fluoranthene  
Concen: 40.076 ng  
RT: 15.13 min Scan# 2217  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Tgt Ion:252 Resp: 1051795  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.9 26.9  
125 13.0 10.2 15.2







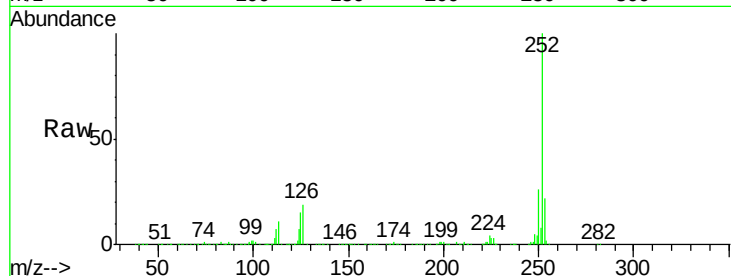
#89  
Benzo(a)pyrene  
Concen: 42.770 ng  
RT: 15.47 min Scan# 2275  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB106541BS

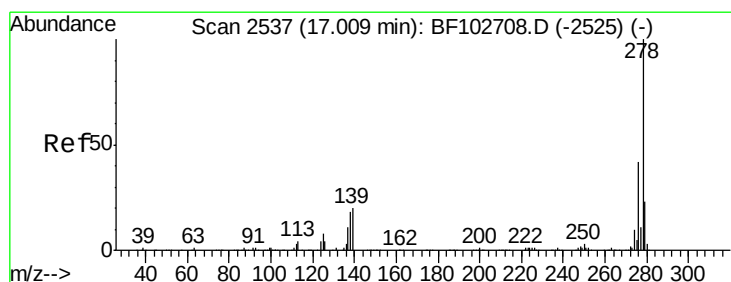
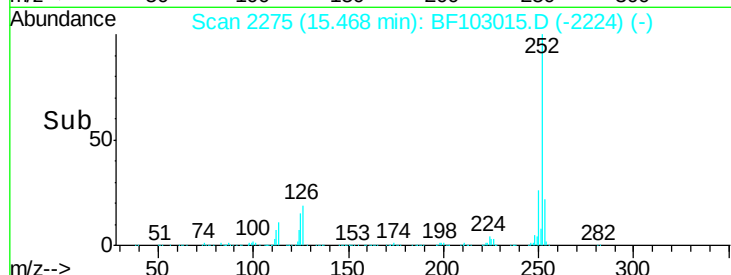
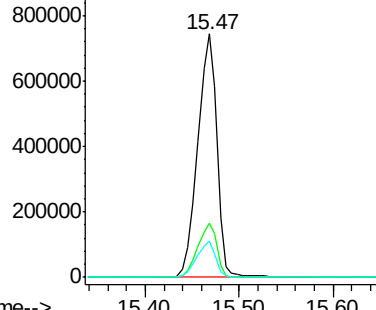
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.1  | 25.7  |
| 125     | 14.8  | 9.8   | 14.6  |

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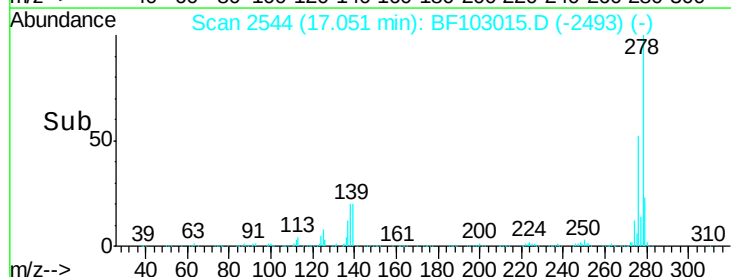
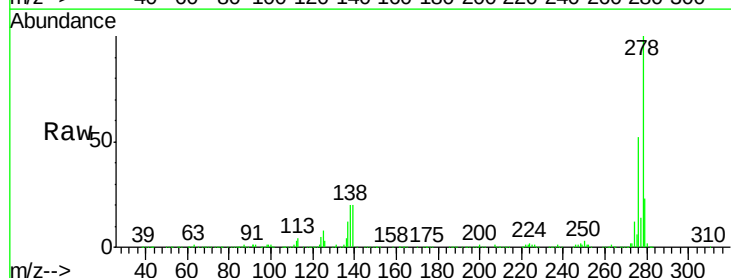
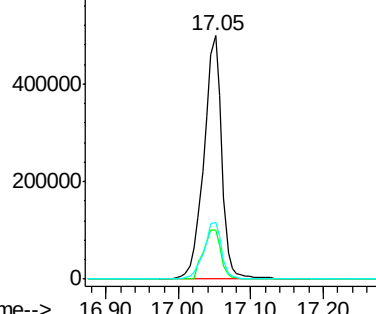
Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

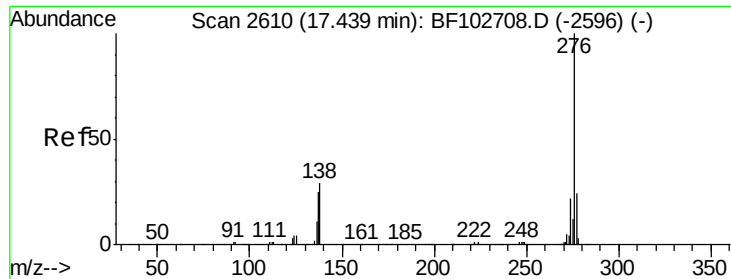


#90  
Dibenzo(a,h)anthracene  
Concen: 42.839 ng  
RT: 17.05 min Scan# 2544  
Delta R.T. 0.00 min  
Lab File: BF103015.D  
Acq: 15 Feb 2018 14:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 20.1  | 15.9  | 23.9  |
| 279     | 23.3  | 19.0  | 28.4  |

Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#91  
 Benzo(g,h,i)perylene  
 Concen: 44.575 ng  
 RT: 17.49 min Scan# 2619  
 Delta R.T. 0.00 min  
 Lab File: BF103015.D  
 Acq: 15 Feb 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106541BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.1  | 17.9  | 26.9  |
| 138     | 28.2  | 21.8  | 32.8  |

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