

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\  
 Data File : BF082017.D  
 Acq On : 3 Oct 2015 11:30  
 Operator : UM/IZ  
 Sample : G3905-02MS  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-01MS

Manual Integrations  
 APPROVED

MMDADODA  
 10/5/2015 6:29:15 PM

Quant Time: Oct 05 17:04:09 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 28 18:10:42 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 91557    | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8        | 8.17  | 136  | 372982   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10      | 9.93  | 164  | 189052   | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10      | 11.43 | 188  | 377497   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 14.08 | 240  | 343922   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 15.54 | 264  | 268867   | 20.00 | ng    | -0.03    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.49  | 112 | 722806  | 143.31 | ng | -0.03 |
| 7) Phenol-d6                | 6.53  | 99  | 1031669 | 162.56 | ng | -0.03 |
| 23) Nitrobenzene-d5         | 7.46  | 82  | 659263  | 117.82 | ng | -0.03 |
| 41) 2,4,6-Tribromophenol    | 10.73 | 330 | 276653  | 144.49 | ng | -0.03 |
| 44) 2-Fluorobiphenyl        | 9.26  | 172 | 1149974 | 107.14 | ng | -0.05 |
| 78) Terphenyl-d14           | 13.02 | 244 | 1211847 | 134.92 | ng | -0.03 |

|                                |      |     |         |        |    |        |
|--------------------------------|------|-----|---------|--------|----|--------|
| Target Compounds               |      |     |         |        |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.53 | 88  | 99777   | 45.49  | ng | 87     |
| 3) Pyridine                    | 3.26 | 79  | 179694  | 31.47  | ng | 86     |
| 4) n-Nitrosodimethylamine      | 3.22 | 42  | 123529  | 47.63  | ng | 95     |
| 6) Aniline                     | 6.55 | 93  | 313004  | 36.71  | ng | # 84   |
| 8) 2-Chlorophenol              | 6.67 | 128 | 320760  | 57.59  | ng | 98     |
| 9) Benzaldehyde                | 6.43 | 77  | 60813   | 14.63  | ng | # 81   |
| 10) Phenol                     | 6.54 | 94  | 431144  | 60.56  | ng | 73     |
| 11) bis(2-Chloroethyl)ether    | 6.63 | 93  | 314915  | 57.04  | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.82 | 146 | 329537m | 50.09  | ng |        |
| 13) 1,4-Dichlorobenzene        | 6.90 | 146 | 350010m | 50.95  | ng |        |
| 14) 1,2-Dichlorobenzene        | 7.06 | 146 | 335334  | 54.78  | ng | 99     |
| 15) Benzyl Alcohol             | 7.03 | 79  | 237342  | 51.81  | ng | # 77   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45  | 420112  | 53.83  | ng | 82     |
| 17) 2-Methylphenol             | 7.14 | 107 | 254380  | 56.33  | ng | # 85   |
| 18) Hexachloroethane           | 7.39 | 117 | 111639  | 51.91  | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70  | 209204  | 54.24  | ng | # 78   |
| 20) 3+4-Methylphenols          | 7.30 | 107 | 315999  | 55.40  | ng | # 61   |
| 22) Acetophenone               | 7.30 | 105 | 403993  | 52.98  | ng | # 77   |
| 24) Nitrobenzene               | 7.47 | 77  | 294711  | 48.51  | ng | # 67   |
| 25) Isophorone                 | 7.71 | 82  | 586052  | 52.84  | ng | # 90   |
| 26) 2-Nitrophenol              | 7.79 | 139 | 179553  | 61.57  | ng | # 75   |
| 27) 2,4-Dimethylphenol         | 7.83 | 122 | 279321  | 54.44  | ng | # 81   |
| 28) bis(2-Chloroethoxy)methane | 7.93 | 93  | 390230  | 59.25  | ng | # 94   |
| 29) 2,4-Dichlorophenol         | 8.03 | 162 | 303598  | 61.03  | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.11 | 180 | 292976  | 52.75  | ng | 98     |
| 31) Naphthalene                | 8.19 | 128 | 821248m | 49.69  | ng |        |
| 32) Benzoic acid               | 7.91 | 122 | 49122   | 20.90  | ng | # 73   |
| 33) 4-Chloroaniline            | 8.25 | 127 | 204430  | 28.61  | ng | # 95   |
| 34) Hexachlorobutadiene        | 8.31 | 225 | 167000  | 50.84  | ng | 97     |
| 35) Caprolactam                | 8.63 | 113 | 71611m  | 52.00  | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.73 | 107 | 285426  | 58.67  | ng | # 83   |
| 37) 2-Methylnaphthalene        | 8.89 | 142 | 648751  | 57.51  | ng | # 92   |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 286463  | 49.36  | ng | 100    |
| 40) Hexachlorocyclopentadiene  | 9.04 | 237 | 326335  | 109.19 | ng | 95     |

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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 28 18:10:42 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.17  | 196  | 199005   | 50.01  | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.21  | 196  | 238395   | 58.26  | nq #  | 95       |
| 45) 1,1'-Biphenyl              | 9.36  | 154  | 812938   | 55.74  | nq    | 95       |
| 46) 2-Chloronaphthalene        | 9.38  | 162  | 608600   | 53.14  | nq    | 94       |
| 47) 2-Nitroaniline             | 9.49  | 65   | 193813   | 57.65  | nq    | 85       |
| 48) Acenaphthylene             | 9.81  | 152  | 943258   | 51.46  | nq    | 98       |
| 49) Dimethylphthalate          | 9.67  | 163  | 975769   | 74.77  | nq #  | 98       |
| 50) 2,6-Dinitrotoluene         | 9.73  | 165  | 150323   | 53.06  | nq #  | 55       |
| 51) Acenaphthene               | 9.98  | 154  | 646244   | 59.37  | nq    | 90       |
| 52) 3-Nitroaniline             | 9.90  | 138  | 129807   | 39.60  | nq #  | 67       |
| 53) 2,4-Dinitrophenol          | 10.00 | 184  | 117682   | 83.04  | nq #  | 42       |
| 54) Dibenzofuran               | 10.15 | 168  | 875448   | 56.91  | nq    | 92       |
| 55) 4-Nitrophenol              | 10.07 | 139  | 257014   | 108.52 | nq #  | 74       |
| 56) 2,4-Dinitrotoluene         | 10.14 | 165  | 224219   | 62.08  | nq #  | 95       |
| 57) Fluorene                   | 10.49 | 166  | 691188   | 63.71  | nq    | 92       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.26 | 232  | 201038   | 61.94  | nq    | 94       |
| 59) Diethylphthalate           | 10.37 | 149  | 655416   | 53.77  | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.48 | 204  | 314084   | 55.77  | nq #  | 88       |
| 61) 4-Nitroaniline             | 10.53 | 138  | 175531   | 53.41  | nq #  | 52       |
| 62) Azobenzene                 | 10.64 | 77   | 674275   | 56.68  | nq    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 10.54 | 198  | 101811   | 56.94  | nq    | 88       |
| 65) n-Nitrosodiphenylamine     | 10.61 | 169  | 591990   | 51.83  | nq    | 92       |
| 66) 4-Bromophenyl-phenylether  | 10.97 | 248  | 211576   | 55.59  | nq    | 97       |
| 67) Hexachlorobenzene          | 11.03 | 284  | 203492   | 47.37  | nq #  | 79       |
| 68) Atrazine                   | 11.13 | 200  | 182912   | 51.61  | nq    | 84       |
| 69) Pentachlorophenol          | 11.23 | 266  | 263820   | 107.79 | nq    | 99       |
| 70) Phenanthrene               | 11.45 | 178  | 926399   | 51.23  | nq    | 95       |
| 71) Anthracene                 | 11.51 | 178  | 1097064  | 57.18  | nq    | 97       |
| 72) Carbazole                  | 11.67 | 167  | 959045   | 55.23  | nq    | 97       |
| 73) Di-n-butylphthalate        | 11.99 | 149  | 1017179  | 57.90  | nq #  | 97       |
| 74) Fluoranthene               | 12.64 | 202  | 1007018  | 49.80  | nq    | 91       |
| 76) Benzidine                  | 12.78 | 184  | 85031    | 8.21   | nq    | 98       |
| 77) Pyrene                     | 12.87 | 202  | 1046220  | 50.92  | nq    | 96       |
| 79) Butylbenzylphthalate       | 13.50 | 149  | 486656   | 62.95  | nq    | 93       |
| 80) Benzo(a)anthracene         | 14.07 | 228  | 998880   | 53.94  | nq    | 95       |
| 81) 3,3'-Dichlorobenzidine     | 14.04 | 252  | 266742   | 42.65  | nq #  | 94       |
| 82) Chrysene                   | 14.10 | 228  | 826571m  | Below  | Cal   |          |
| 83) Bis(2-ethylhexyl)phthalate | 14.06 | 149  | 626781   | 64.63  | nq #  | 94       |
| 84) Di-n-octyl phthalate       | 14.68 | 149  | 1096507  | 69.48  | nq #  | 92       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.00 | 276  | 783381   | 54.07  | nq #  | 87       |
| 87) Benzo(b)fluoranthene       | 15.11 | 252  | 944458m  | 61.53  | nq    |          |
| 88) Benzo(k)fluoranthene       | 15.14 | 252  | 724668m  | 51.51  | nq    |          |
| 89) Benzo(a)pyrene             | 15.48 | 252  | 773732   | 58.11  | nq #  | 87       |
| 90) Dibenzo(a,h)anthracene     | 17.02 | 278  | 653874   | 58.53  | nq #  | 79       |
| 91) Benzo(g,h,i)perylene       | 17.44 | 276  | 637046   | 55.64  | nq #  | 76       |

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

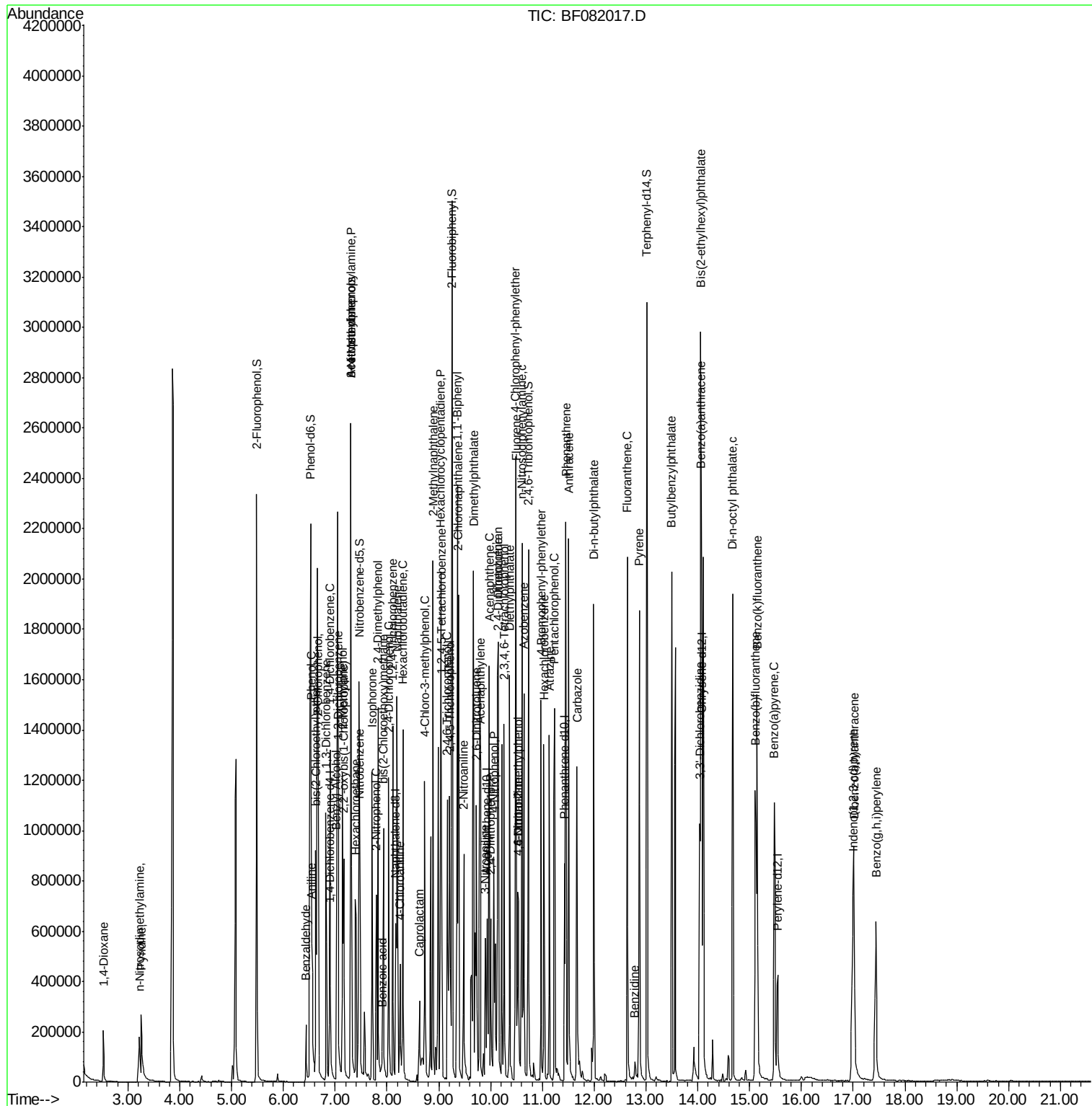
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\  
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Sample : G3905-02MS  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

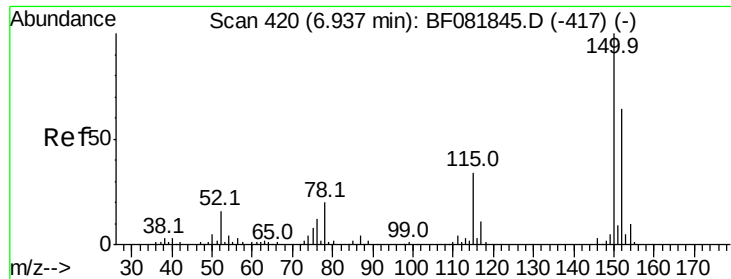
Instrument :  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF082017.D

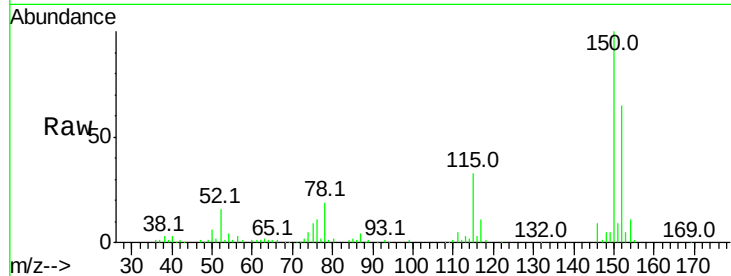
Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

ClientSampleId :

P001-BF001-01MS



Tot Ion:152 Resp: 91557

Ion Ratio Lower Upper

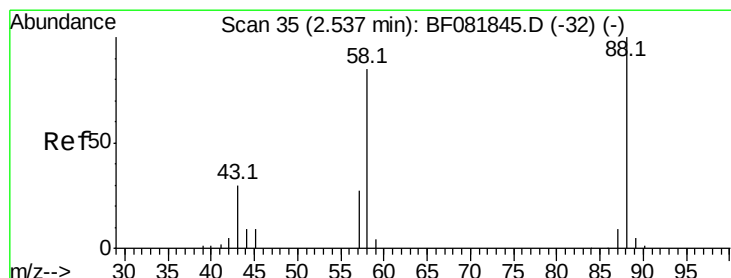
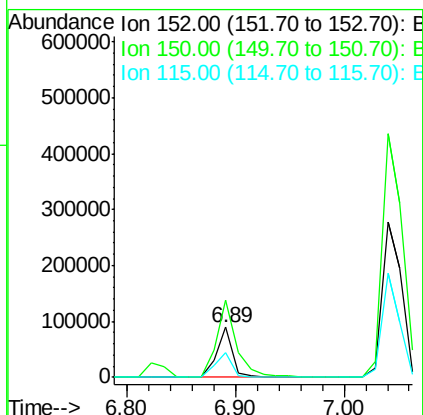
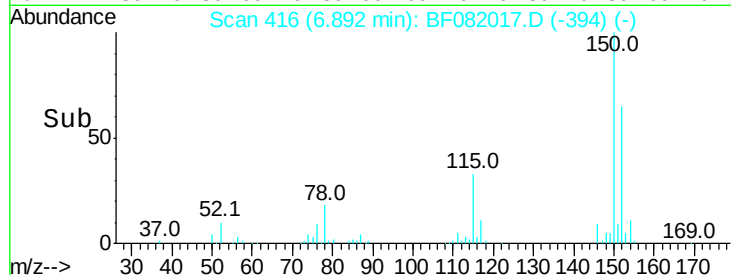
152 100

150 154.9 124.7 187.1

115 50.7 39.0 58.4

Manual Integrations  
APPROVED

MMDADODA  
10/5/2015 6:29:15 PM



#2

1,4-Dioxane

Concen: 45.49 ng

RT: 2.53 min Scan# 34

Delta R.T. -0.01 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

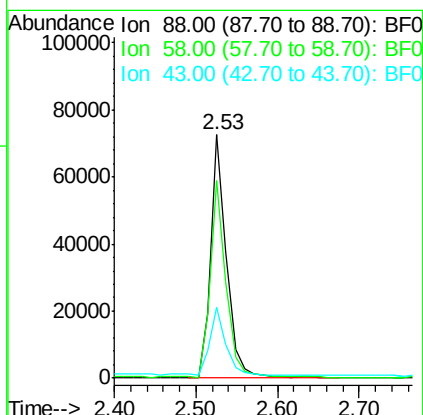
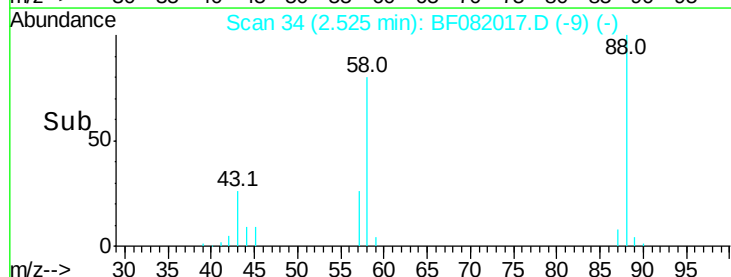
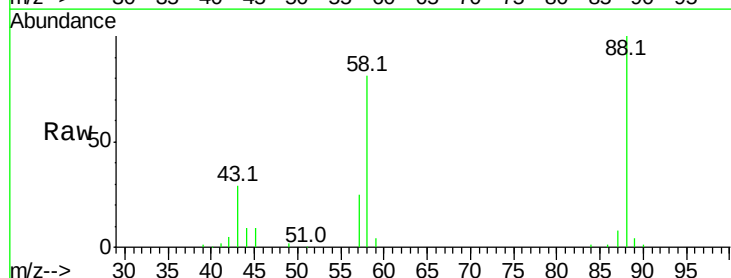
Tgt Ion: 88 Resp: 99777

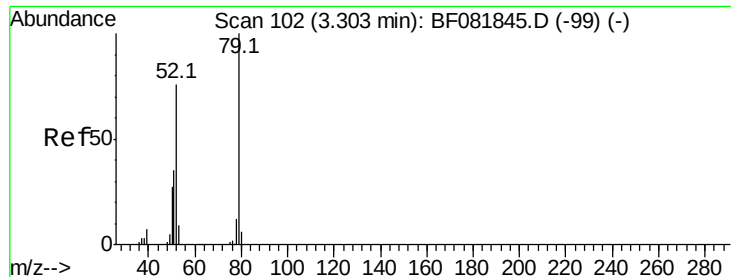
Ion Ratio Lower Upper

88 100

58 83.4 77.7 116.5

43 27.9 26.6 40.0





#3

Pvridine

Concen: 31.47 ng

RT: 3.26 min Scan# 98

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

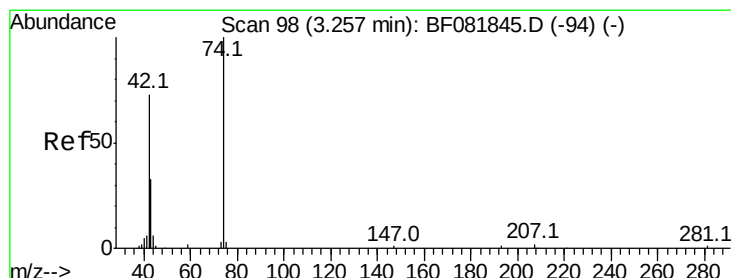
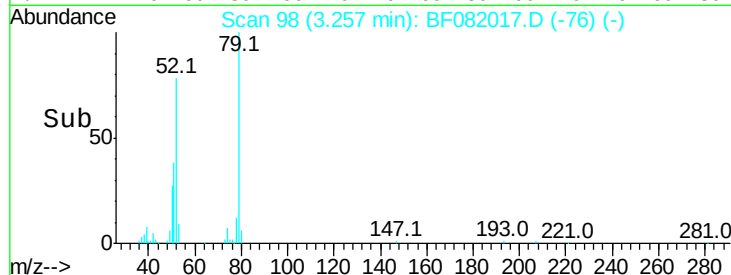
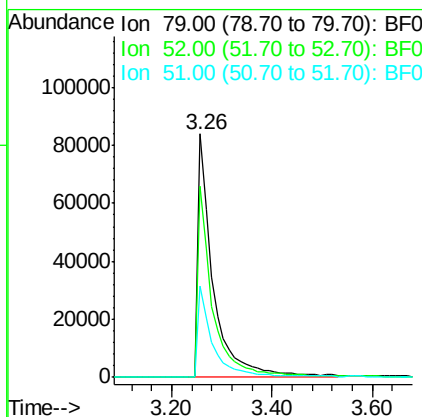
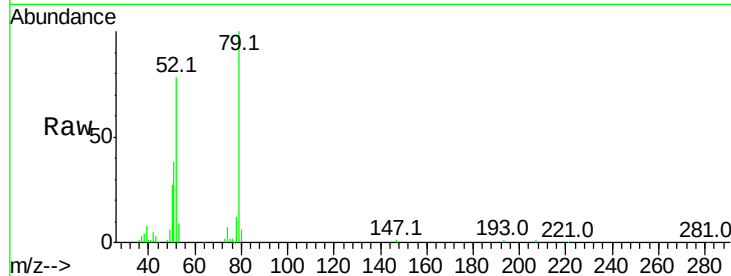
ClientSampleId :

P001-BF001-01MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 179694 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 78.4  | 76.8  | 115.2  |
| 51        | 37.8  | 32.2  | 48.4   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 47.63 ng

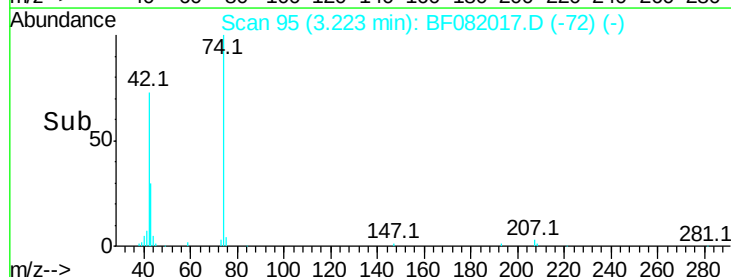
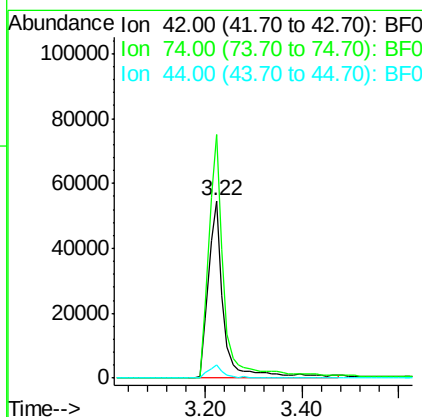
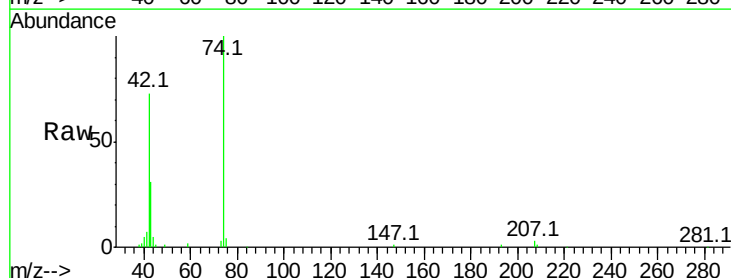
RT: 3.22 min Scan# 95

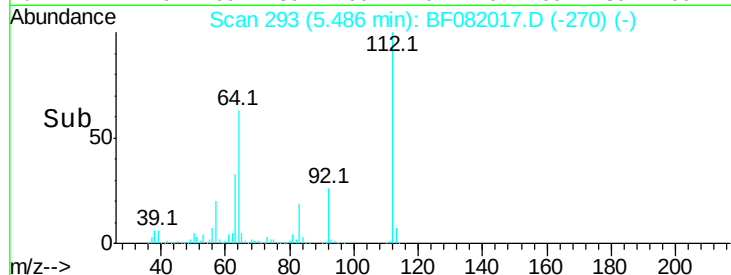
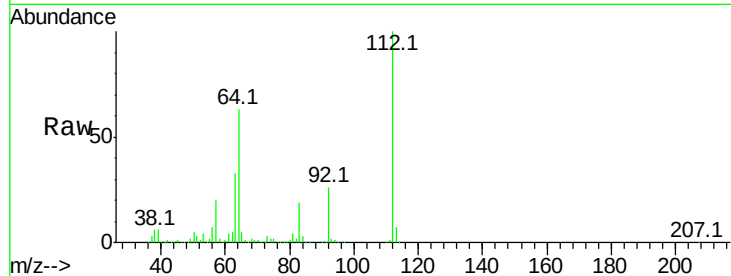
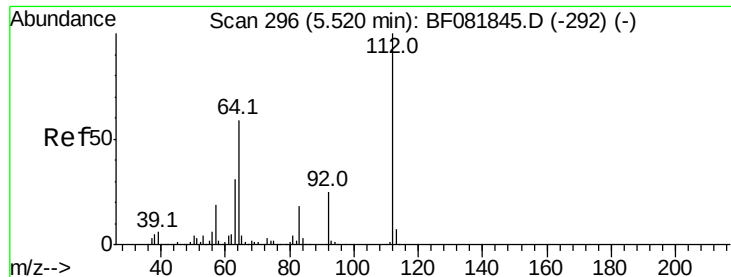
Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 123529 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 137.3 | 105.0 | 157.6  |
| 44        | 7.4   | 6.6   | 10.0   |





#5

2-Fluorophenol

Concen: 143.31 ng

RT: 5.49 min Scan# 293

Delta R.T. -0.03 min

Lab File: BF082017.D

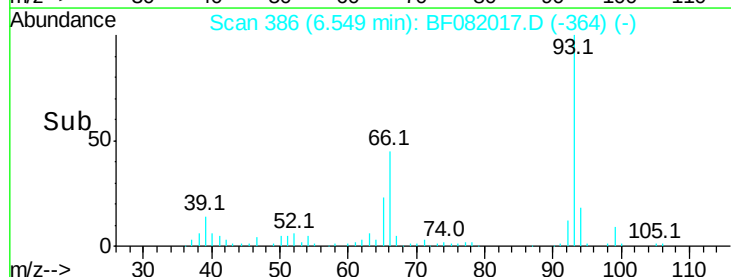
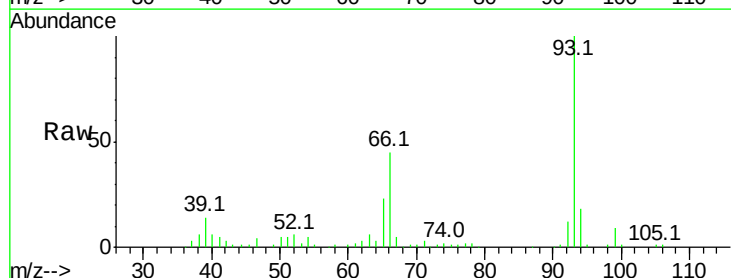
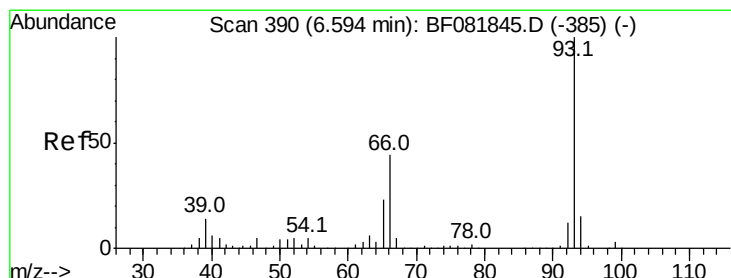
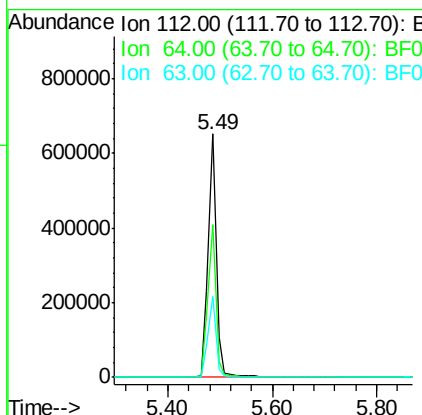
Acq: 3 Oct 2015 11:30

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 722806 |       |       |
| 64      | 62.7  | 39.7   | 59.5# |       |
| 63      | 33.4  | 17.4   | 26.0# |       |

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#6

Aniline

Concen: 36.71 ng

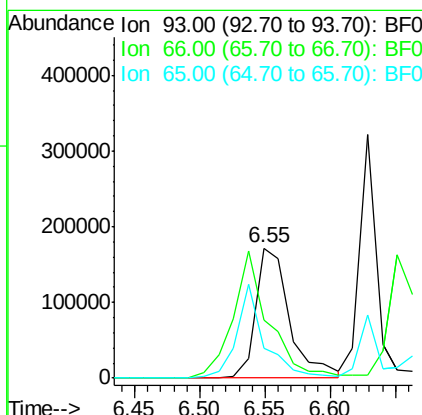
RT: 6.55 min Scan# 386

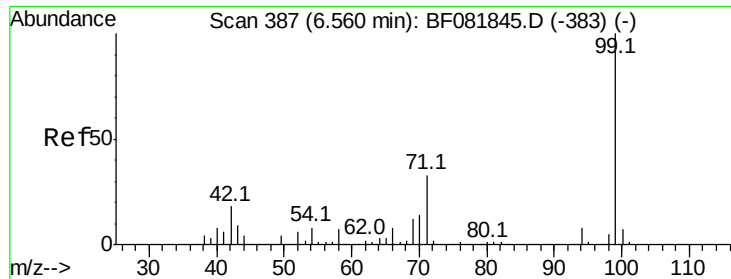
Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 313004 |       |       |
| 66      | 44.6  | 27.2   | 40.8# |       |
| 65      | 23.2  | 14.7   | 22.1# |       |





#7

Phenol-d6

Concen: 162.56 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

ClientSampleId :

P001-BF001-01MS

Tot Ion: 99 Resp: 1031669

Ion Ratio Lower Upper

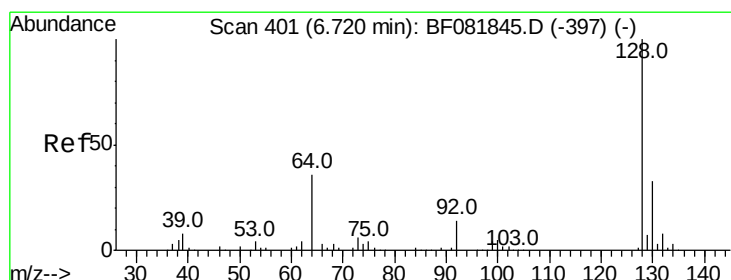
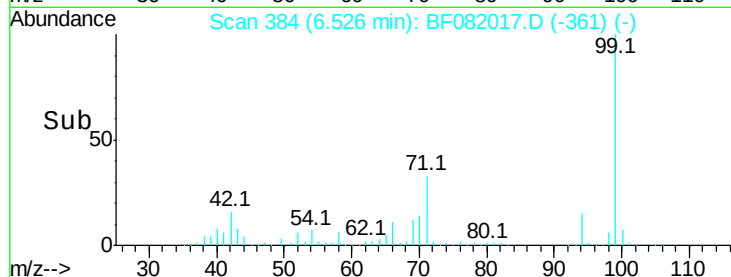
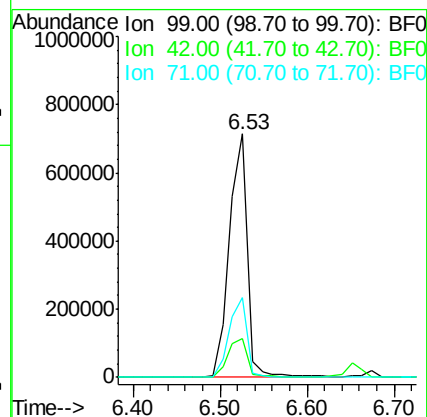
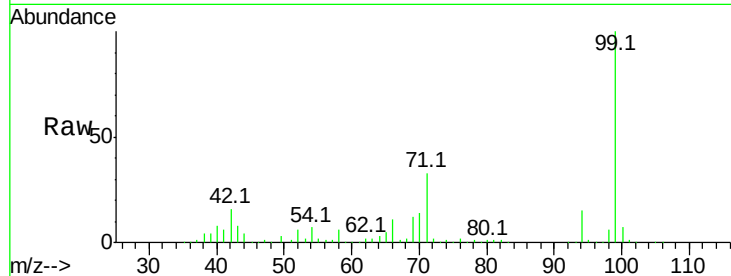
99 100

42 16.2 13.7 20.5

71 32.6 14.2 21.2#

Manual Integrations  
APPROVED

MMDADODA  
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#8

2-Chlorophenol

Concen: 57.59 ng

RT: 6.67 min Scan# 397

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

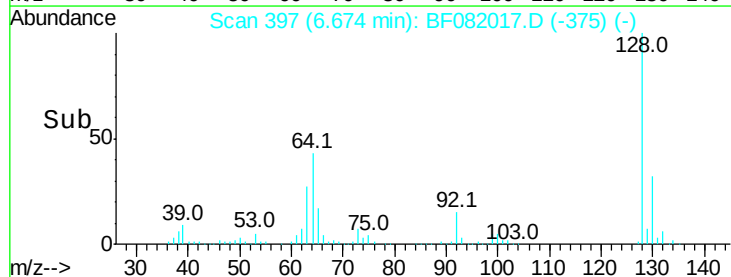
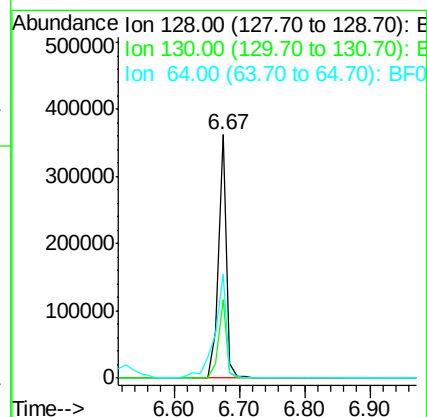
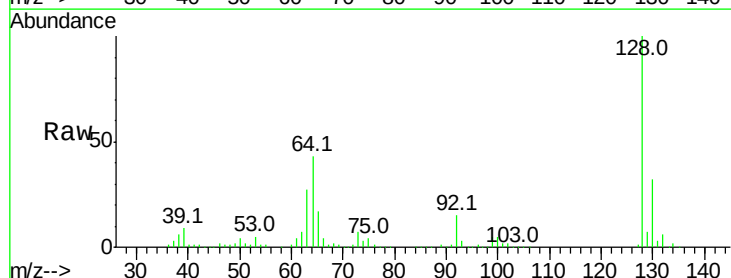
Tgt Ion: 128 Resp: 320760

Ion Ratio Lower Upper

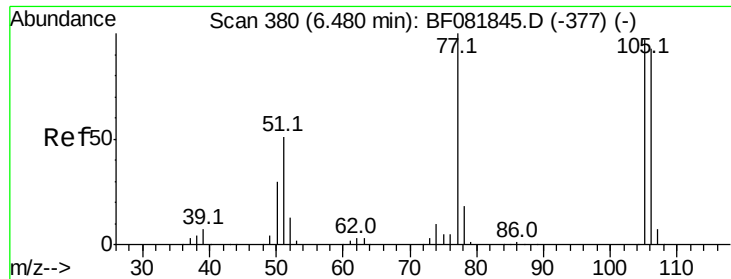
128 100

130 32.4 12.2 52.2

64 43.0 20.5 60.5







#9

Benzaldehyde

Concen: 14.63 ng

RT: 6.43 min Scan# 376

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

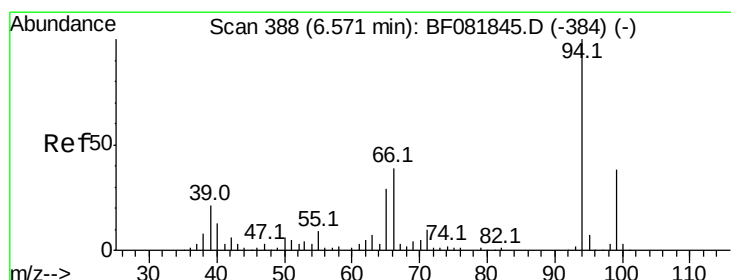
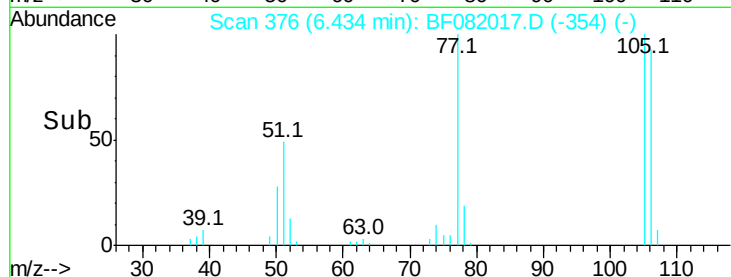
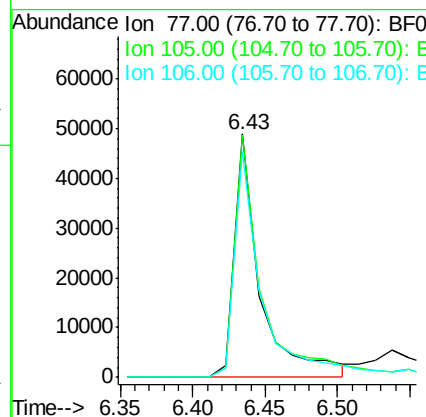
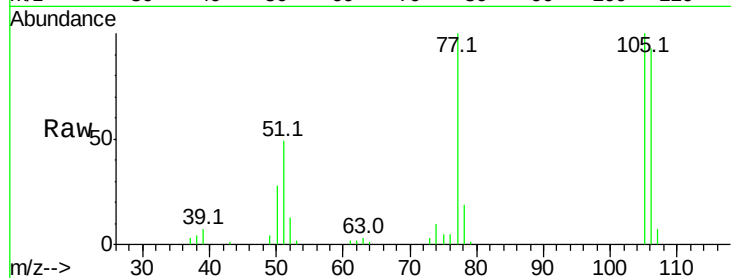
ClientSampleId :

P001-BF001-01MS

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|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 60813 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 99.6  | 91.6  | 131.6 |
| 106      | 92.7  | 102.6 | 142.6 |



#10

Phenol

Concen: 60.56 ng

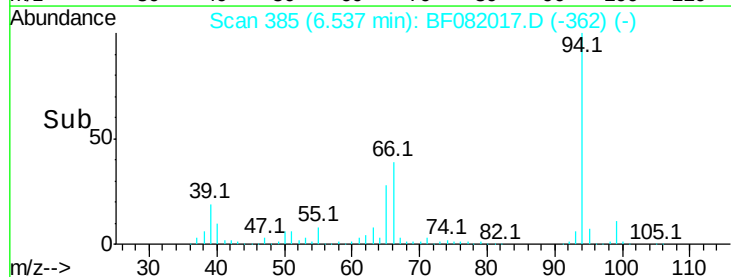
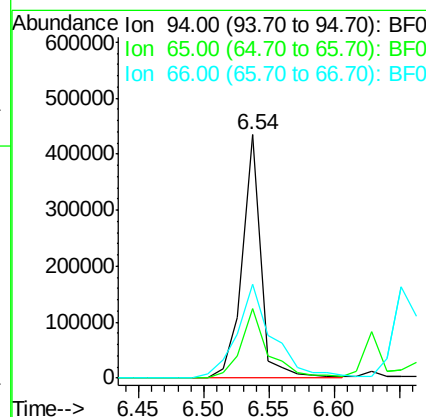
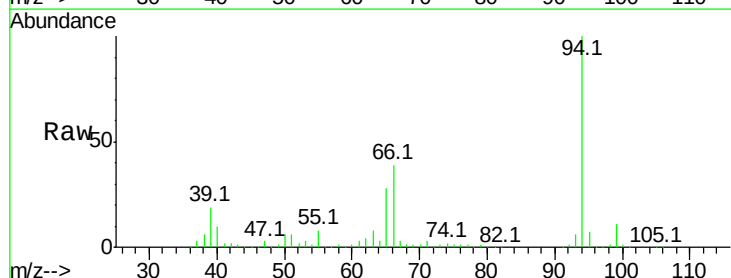
RT: 6.54 min Scan# 385

Delta R.T. -0.03 min

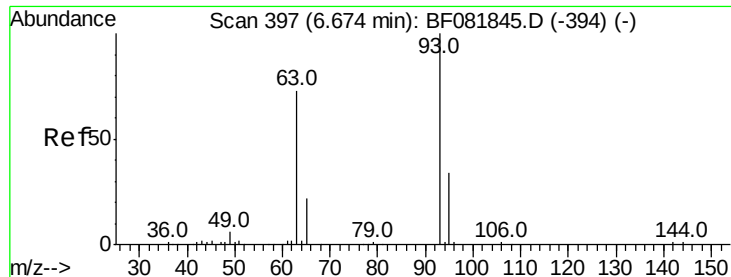
Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 431144 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 28.3  | 0.7   | 40.7   |
| 66       | 38.6  | 0.8   | 40.8   |







#11

bis(2-Chloroethyl)ether

Concen: 57.04 ng

RT: 6.63 min Scan# 393

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

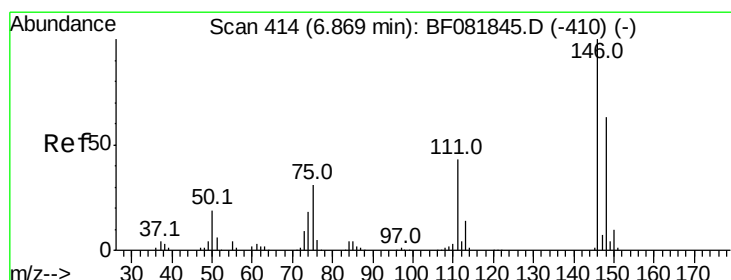
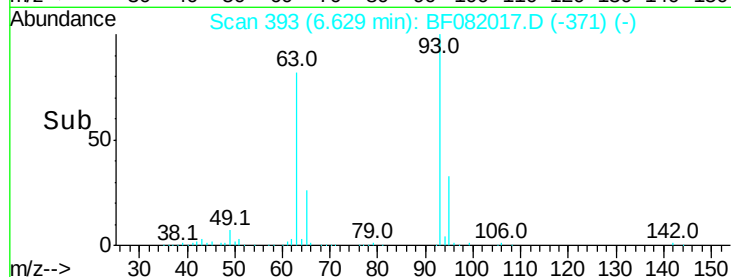
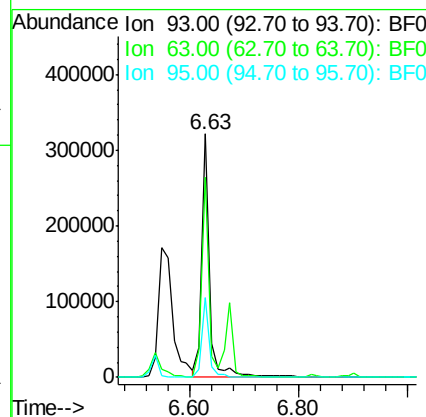
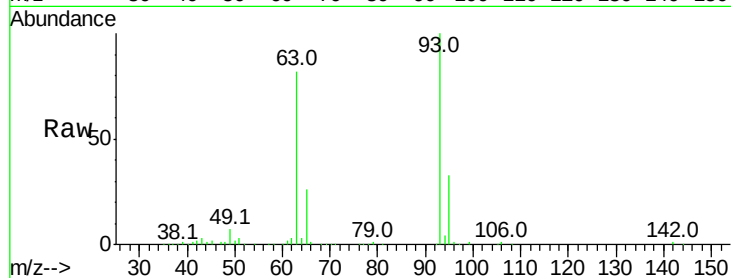
ClientSampleId :

P001-BF001-01MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 314915 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 82.0  | 65.6  | 105.6  |
| 95        | 32.7  | 13.6  | 53.6   |

Manual Integrations  
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#12

1,3-Dichlorobenzene

Concen: 50.09 ng m

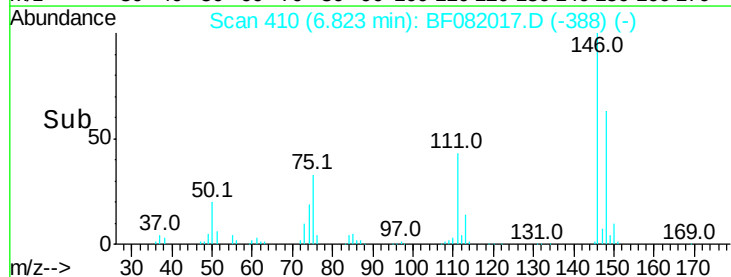
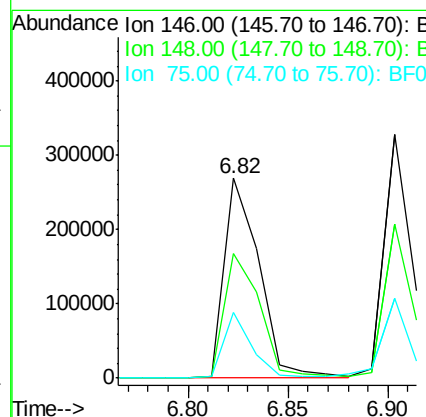
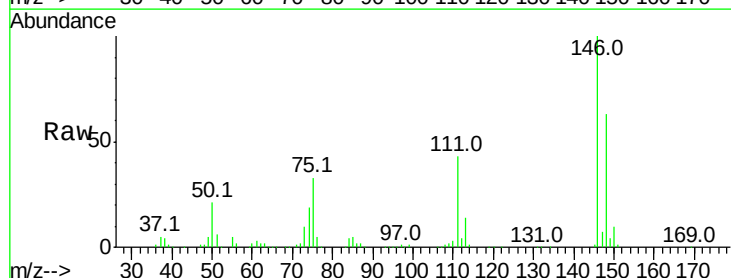
RT: 6.82 min Scan# 410

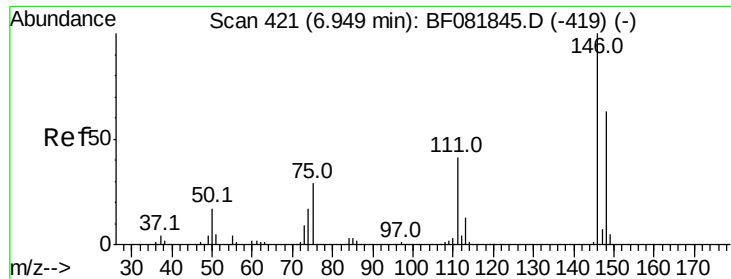
Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 329537 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.5  | 51.0  | 76.4   |
| 75        | 33.0  | 15.0  | 22.6#  |





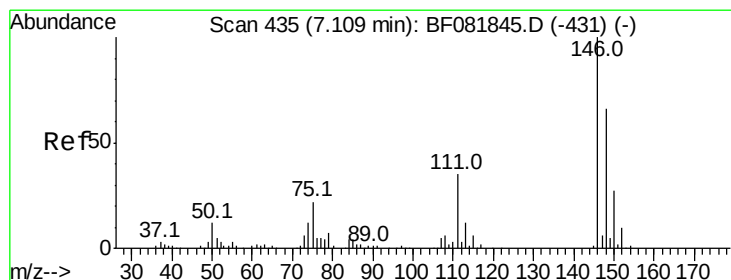
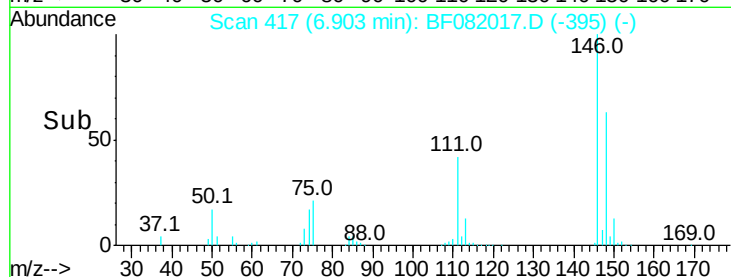
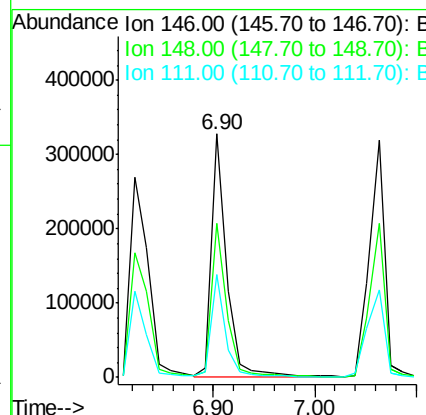
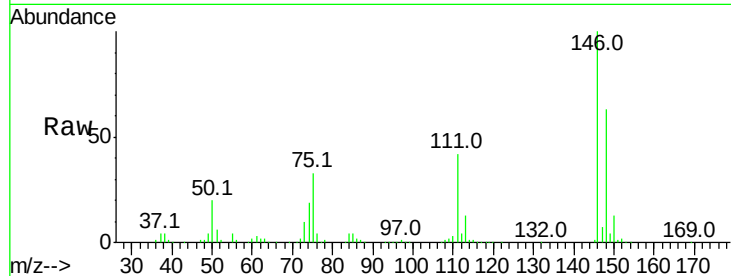
#13  
1,4-Dichlorobenzene  
Concen: 50.95 ng/mL  
RT: 6.90 min Scan# 417  
Delta R.T. -0.05 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.2  | 51.8  | 77.6  |
| 111     | 42.1  | 24.9  | 37.3  |

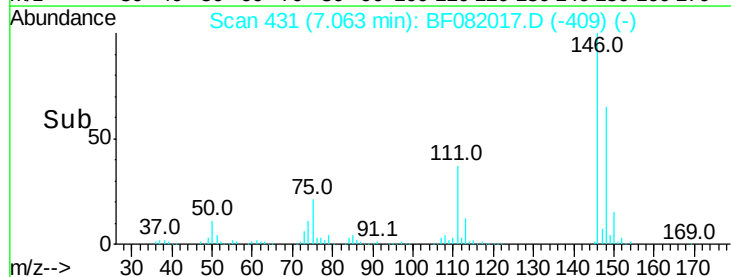
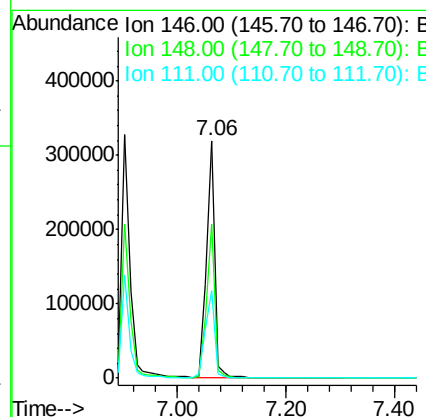
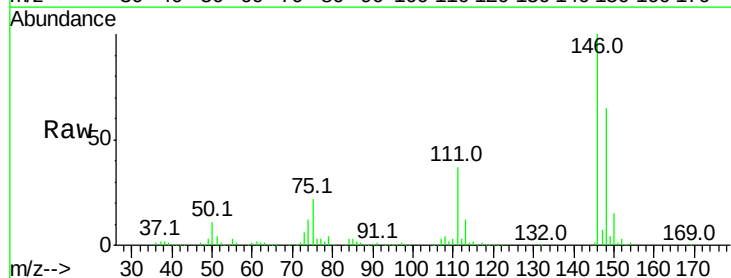
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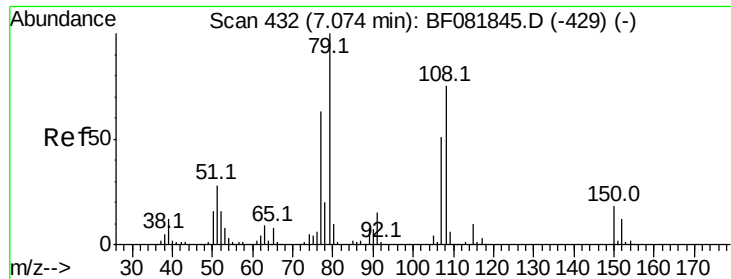
MMDADODA  
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#14  
1,2-Dichlorobenzene  
Concen: 54.78 ng/mL  
RT: 7.06 min Scan# 431  
Delta R.T. -0.05 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.0  | 52.7  | 79.1  |
| 111     | 37.0  | 28.8  | 43.2  |





#15

Benzyl Alcohol

Concen: 51.81 ng

RT: 7.03 min Scan# 428

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

ClientSampleId :

P001-BF001-01MS

Tot Ion: 79 Resp: 237342

Ion Ratio Lower Upper

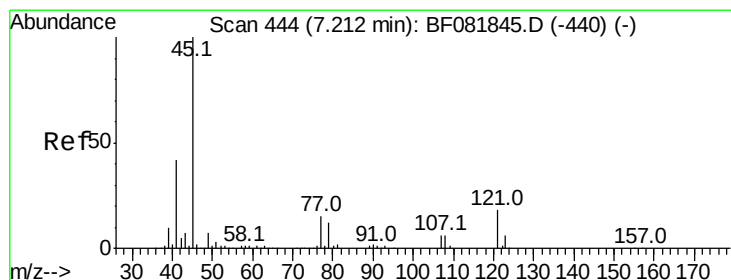
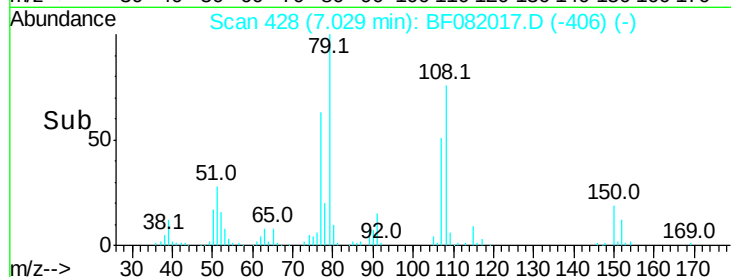
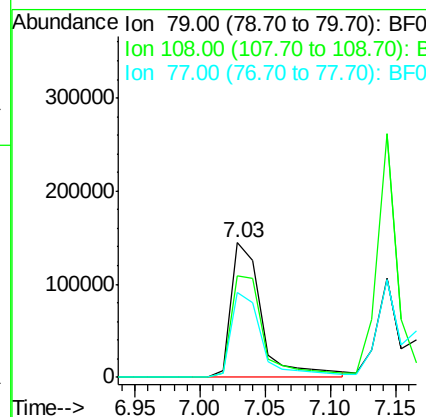
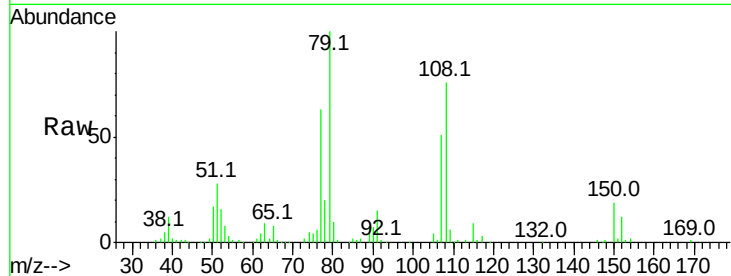
79 100

108 75.8 88.6 132.8#

77 62.9 47.0 70.4

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#16

2,2'-oxybis(1-chloropropane)

Concen: 53.83 ng

RT: 7.17 min Scan# 440

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

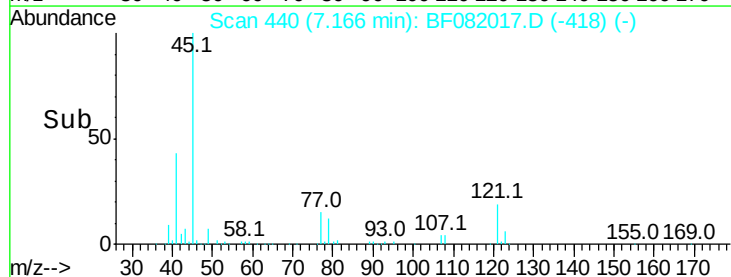
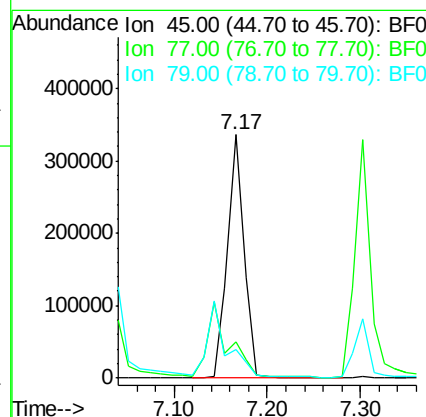
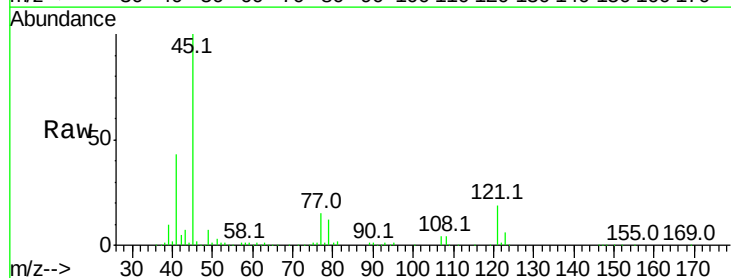
Tgt Ion: 45 Resp: 420112

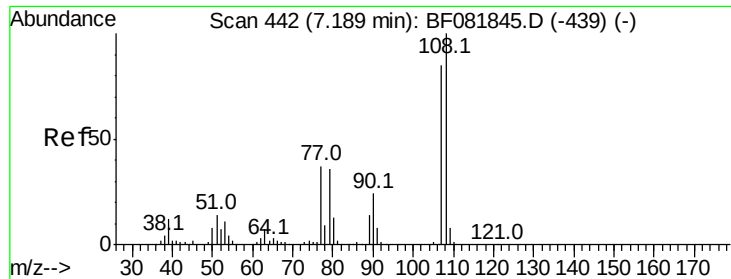
Ion Ratio Lower Upper

45 100

77 15.0 0.0 28.1

79 11.8 0.0 26.0





#17

2-Methylphenol

Concen: 56.33 ng

RT: 7.14 min Scan# 438

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

ClientSampleId :

P001-BF001-01MS

Tot Ion:107 Resp: 254380  
Ion Ratio Lower Upper

107 100

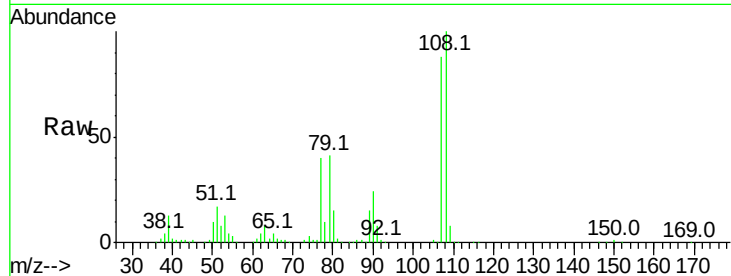
108 113.3 96.6 145.0

77 45.2 23.3 34.9#

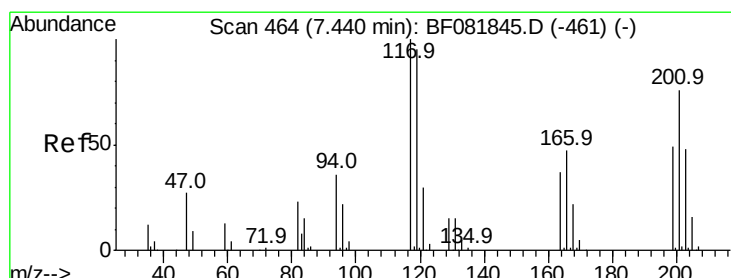
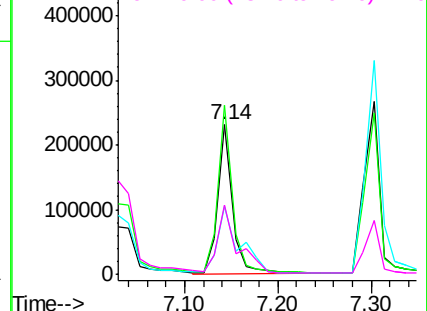
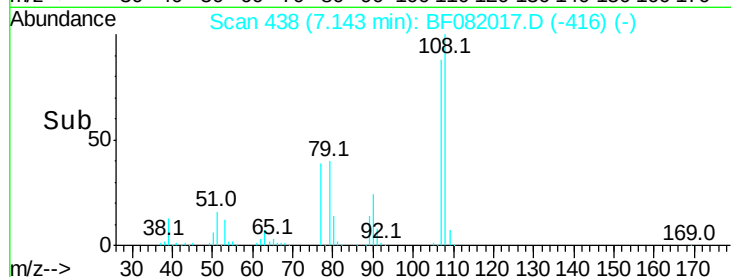
79 45.9 22.0 33.0#

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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): BF0  
Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 51.91 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.05 min

Lab File: BF082017.D

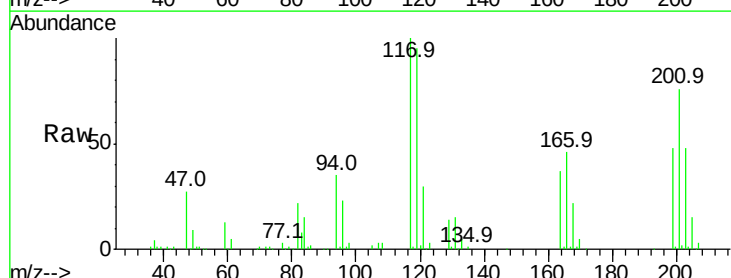
Acq: 3 Oct 2015 11:30

Tgt Ion:117 Resp: 111639  
Ion Ratio Lower Upper

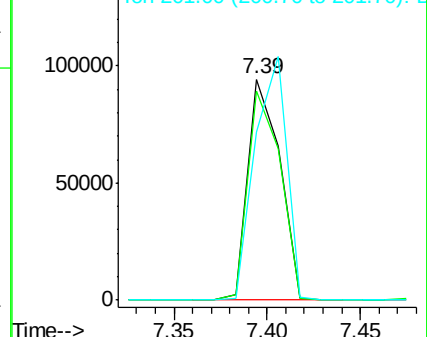
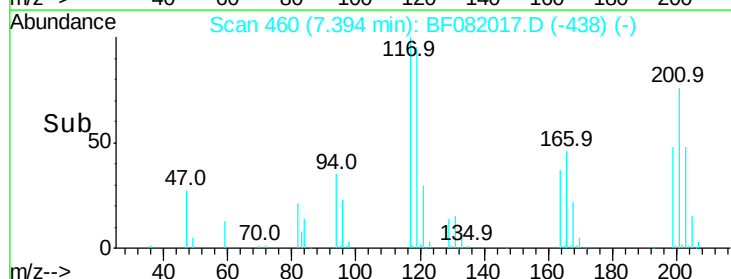
117 100

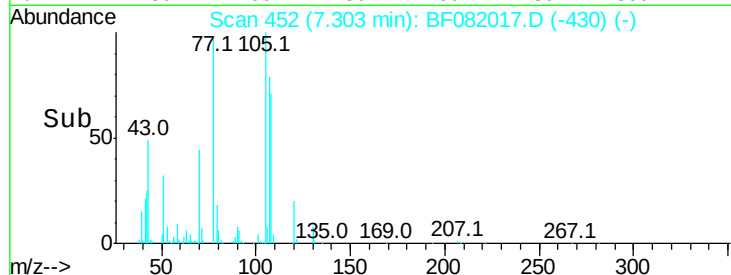
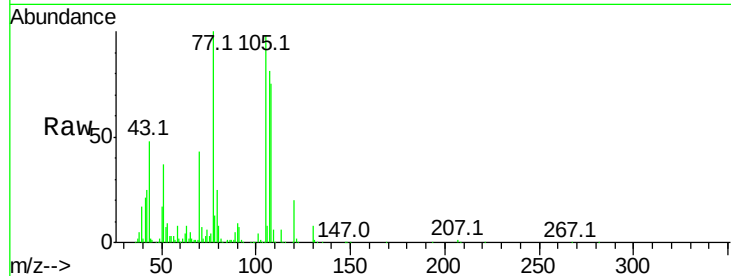
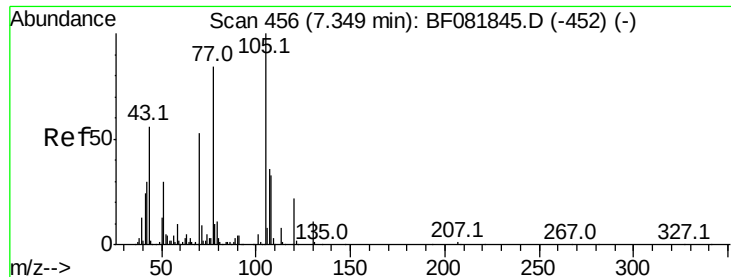
119 94.6 83.8 125.6

201 76.2 55.1 82.7



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





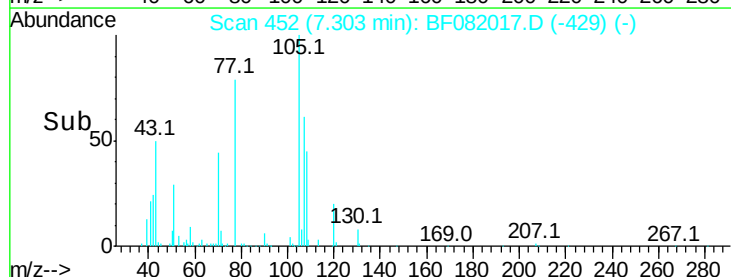
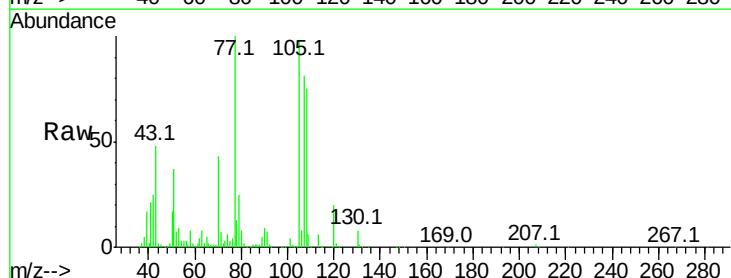
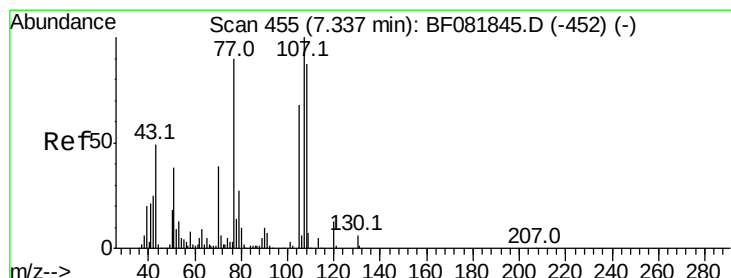
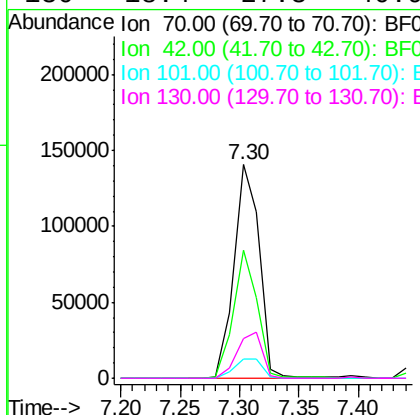
#19  
n-Nitroso-di-n-propylamine  
Concen: 54.24 ng  
RT: 7.30 min Scan# 452  
Delta R.T. -0.05 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 59.7  | 63.8  | 95.6# |
| 101     | 9.0   | 9.2   | 13.8# |
| 130     | 18.4  | 27.3  | 40.9# |

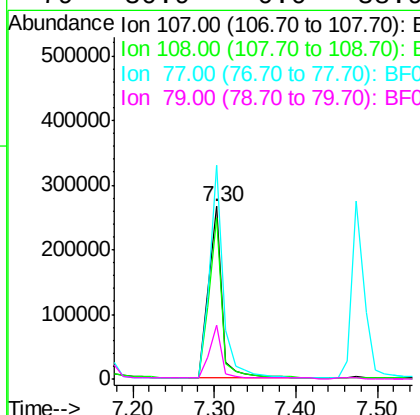
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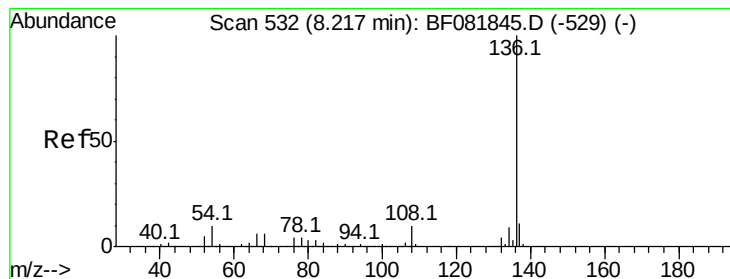
MMDADODA  
10/5/2015 6:29:15 PM



#20  
3+4-Methylphenols  
Concen: 55.40 ng  
RT: 7.30 min Scan# 452  
Delta R.T. -0.03 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 93.5  | 74.6  | 114.6 |
| 77      | 124.0 | 0.7   | 40.7# |
| 79      | 30.9  | 0.0   | 38.9  |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

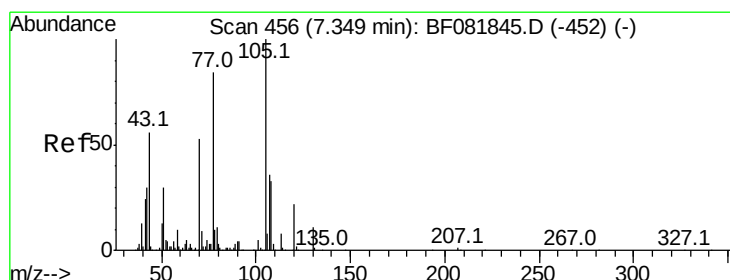
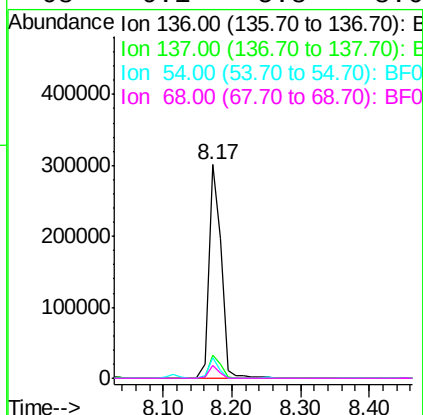
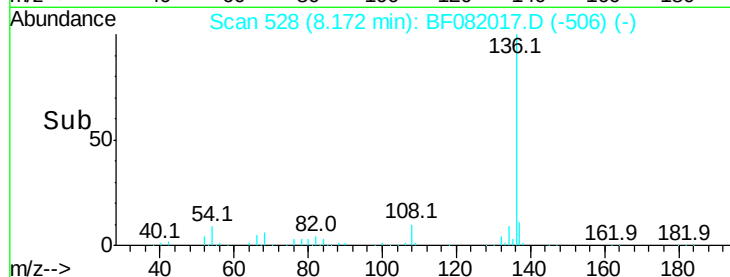
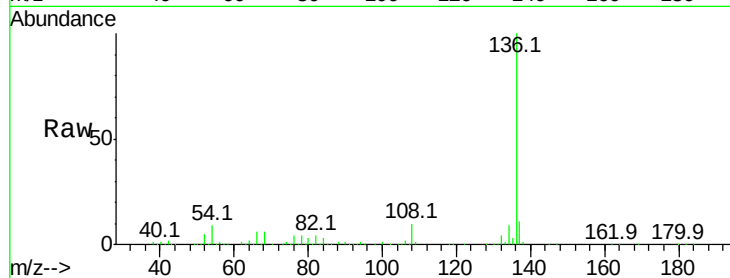
ClientSampleId :

P001-BF001-01MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.1  | 9.0  | 13.6  |       |
| 54      | 9.5   | 8.2  | 12.2  |       |
| 68      | 6.1   | 5.8  | 8.6   |       |

Manual Integrations  
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MMDADODA  
10/5/2015 6:29:15 PM



#22

Acetophenone

Concen: 52.98 ng

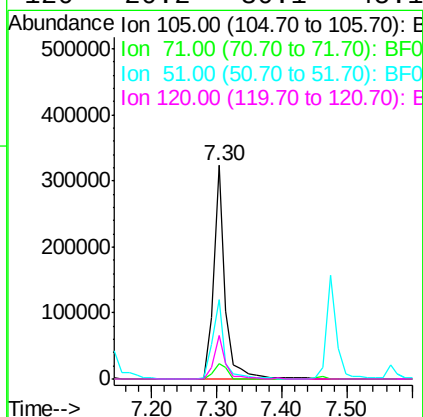
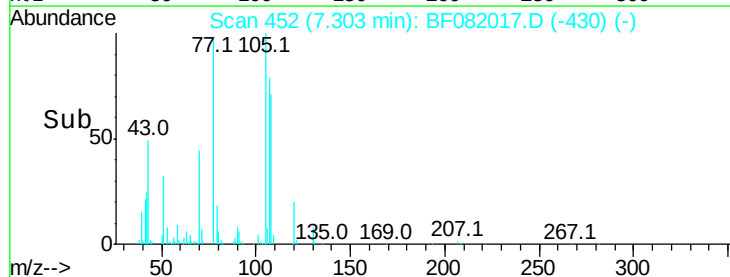
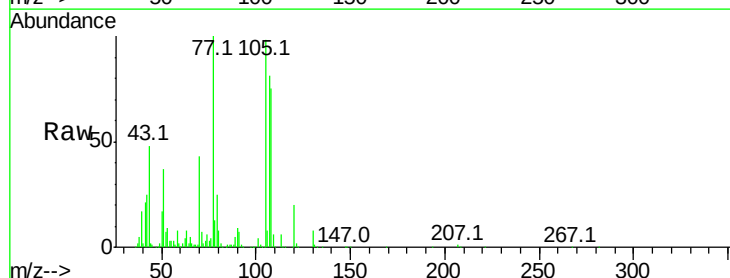
RT: 7.30 min Scan# 452

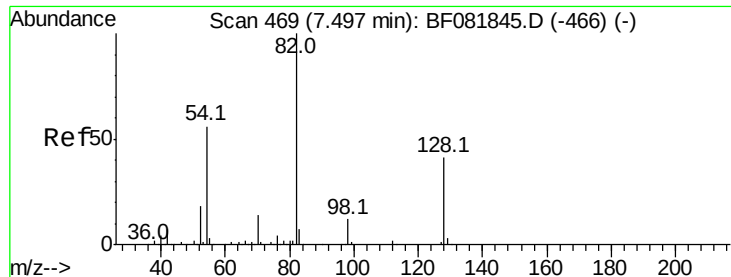
Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 7.2   | 4.7  | 7.1#  |       |
| 51      | 37.3  | 22.0 | 33.0# |       |
| 120     | 20.2  | 30.1 | 45.1# |       |





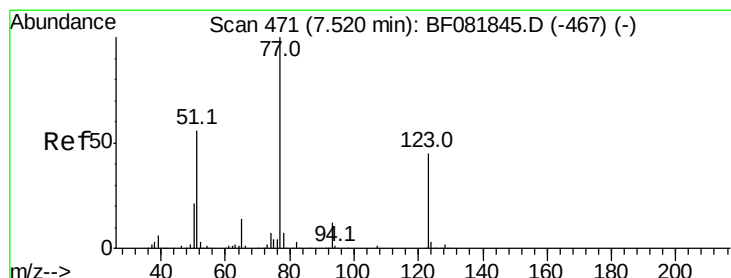
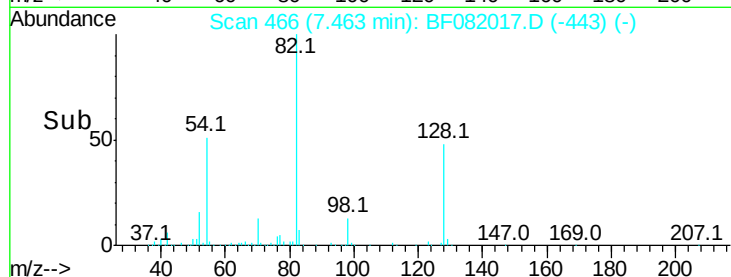
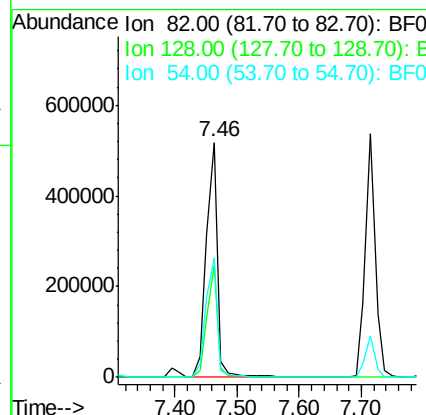
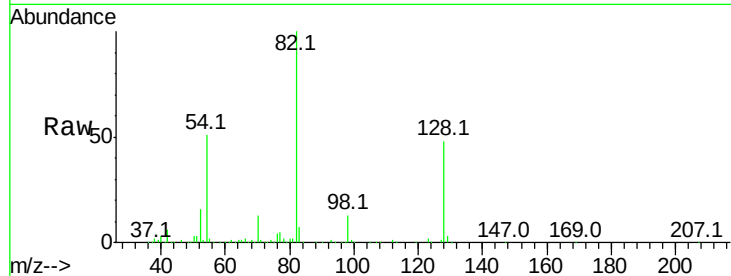
#23  
 Nitrobenzene-d5  
 Concen: 117.82 ng  
 RT: 7.46 min Scan# 466  
 Delta R.T. -0.03 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-01MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 47.7  | 51.0 | 76.6# |       |
| 54      | 50.8  | 47.5 | 71.3  |       |

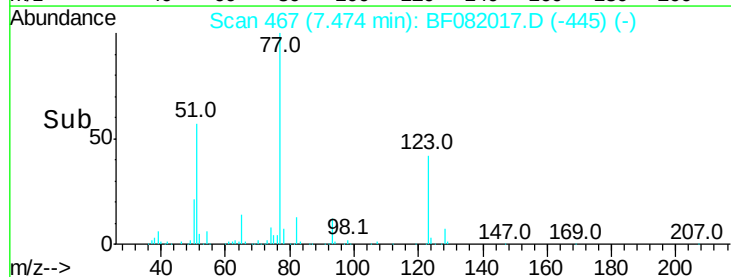
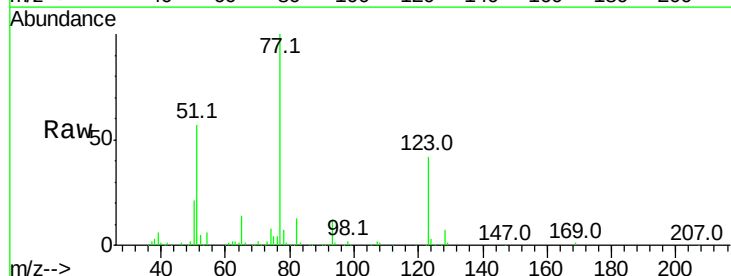
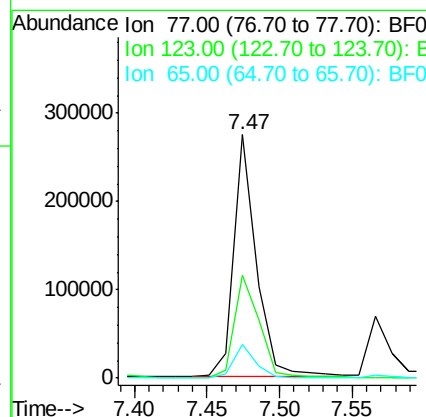
Manual Integrations  
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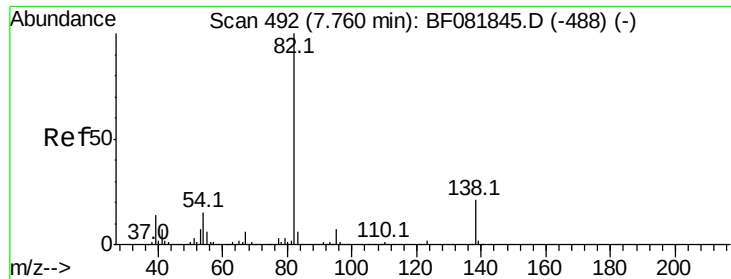


#24  
 Nitrobenzene  
 Concen: 48.51 ng  
 RT: 7.47 min Scan# 467  
 Delta R.T. -0.05 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 42.2  | 59.8 | 89.8# |       |
| 65      | 14.0  | 10.2 | 15.4  |       |







#25

Isophorone

Concen: 52.84 ng

RT: 7.71 min Scan# 488

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

ClientSampleId :

P001-BF001-01MS

Tot Ion: 82 Resp: 586052

Ion Ratio Lower Upper

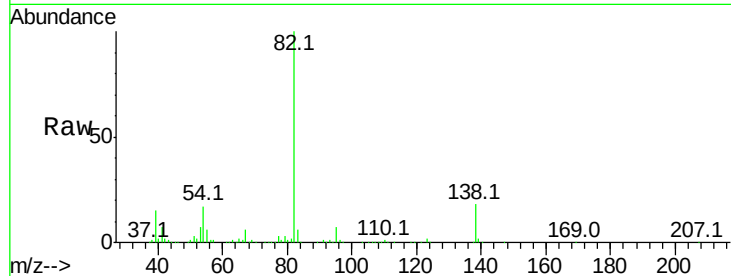
82 100

95 7.1 4.0 6.0#

138 17.9 18.3 27.5#

Manual Integrations  
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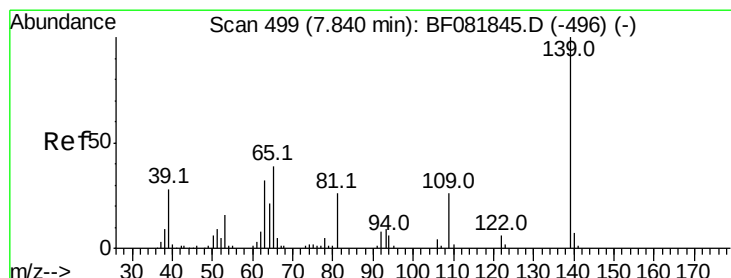
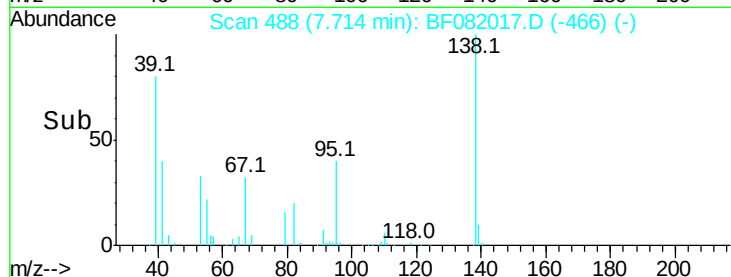
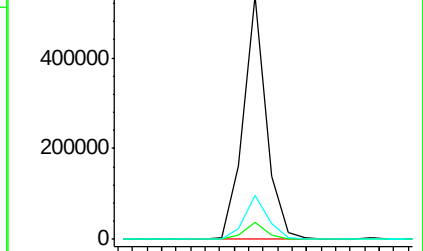
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 61.57 ng

RT: 7.79 min Scan# 495

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

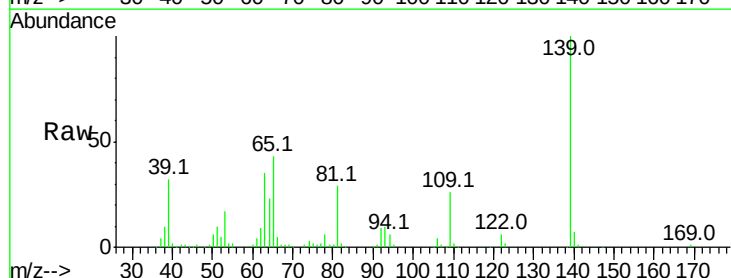
Tgt Ion: 139 Resp: 179553

Ion Ratio Lower Upper

139 100

109 26.1 11.0 16.4#

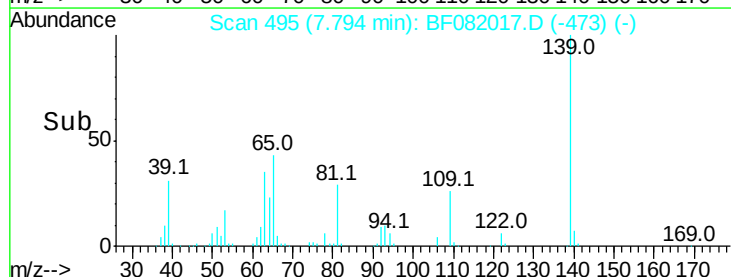
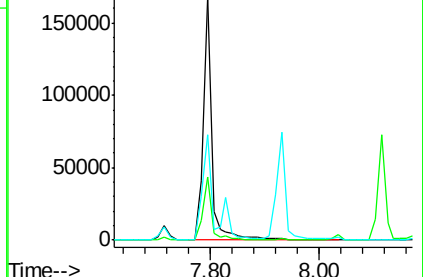
65 43.3 24.7 37.1#

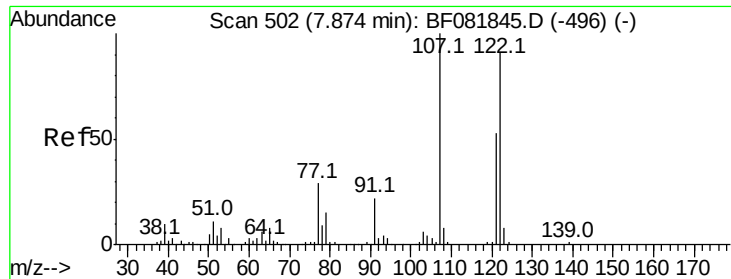


Abundance Ion 139.00 (138.70 to 139.70): BF0

Ion 109.00 (108.70 to 109.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 54.44 ng

RT: 7.83 min Scan# 498

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

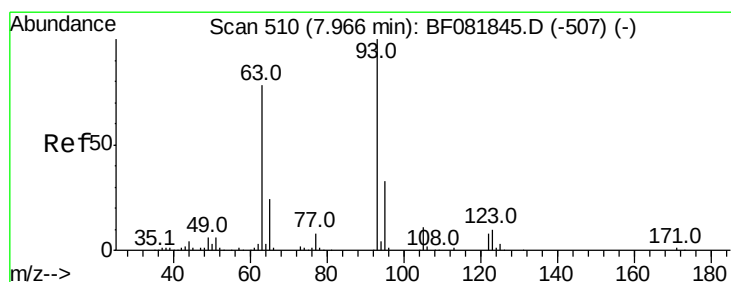
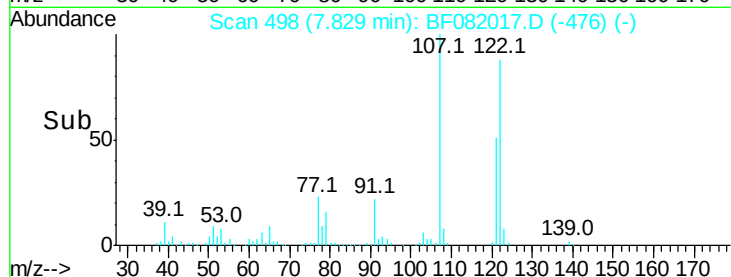
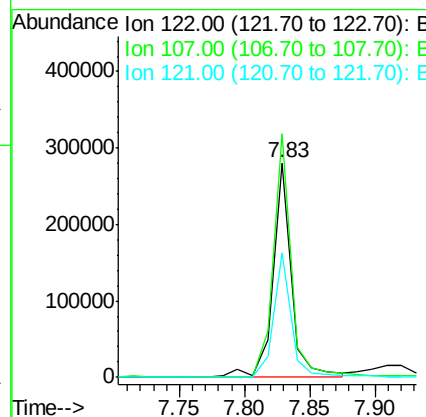
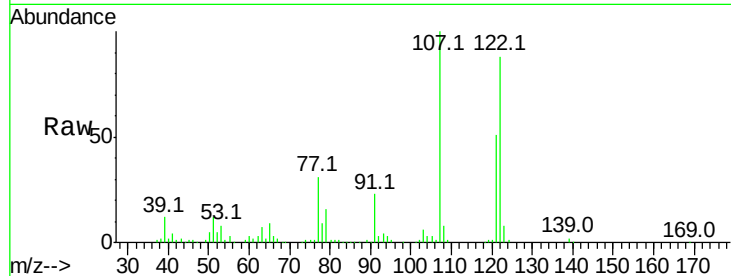
ClientSampleId :

P001-BF001-01MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 279321 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 113.6 | 71.8  | 107.6# |
| 121       | 58.0  | 42.3  | 63.5   |

Manual Integrations  
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#28

bis(2-Chloroethoxy)methane

Concen: 59.25 ng

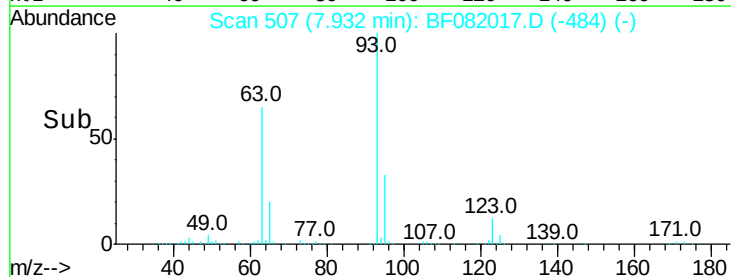
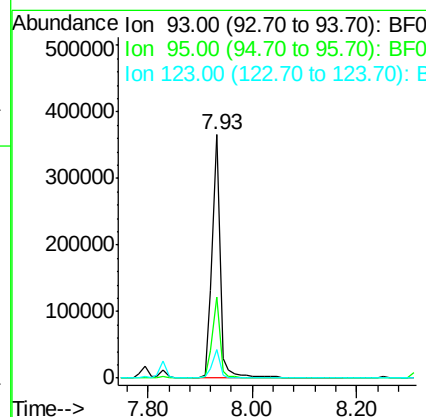
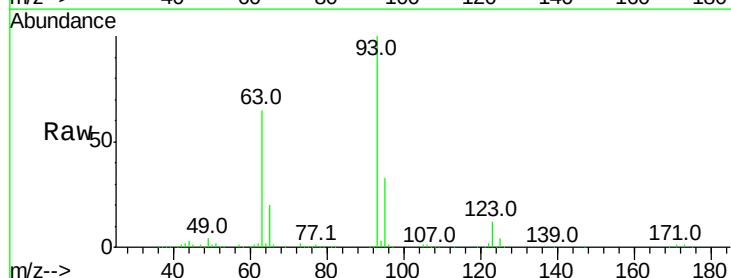
RT: 7.93 min Scan# 507

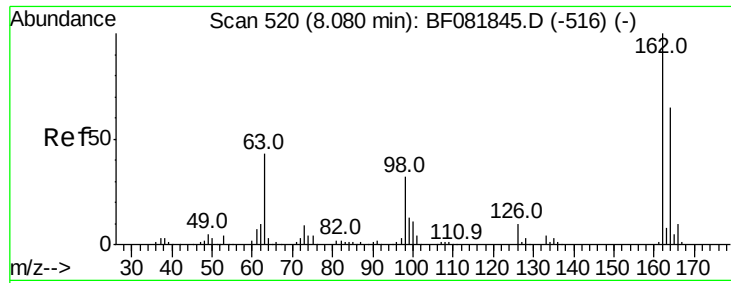
Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 390230 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 33.0  | 27.5  | 41.3   |
| 123       | 11.7  | 13.7  | 20.5#  |





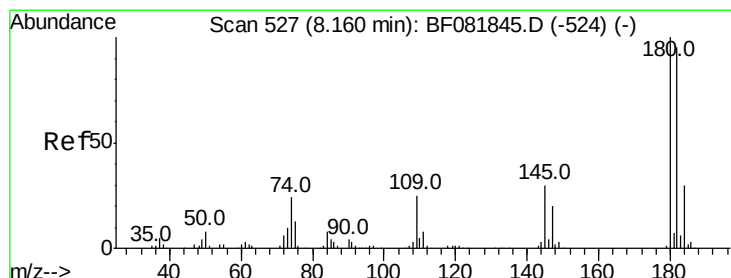
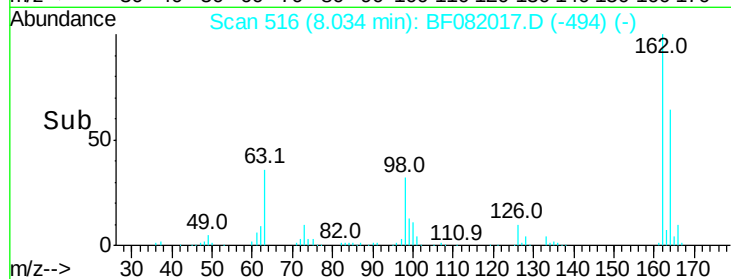
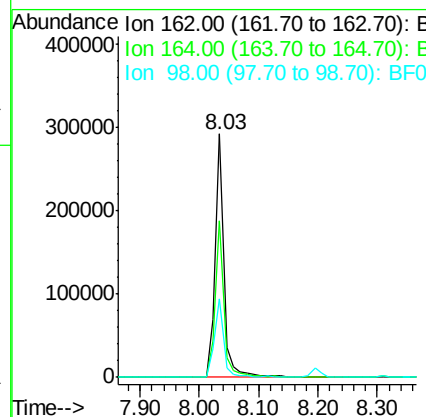
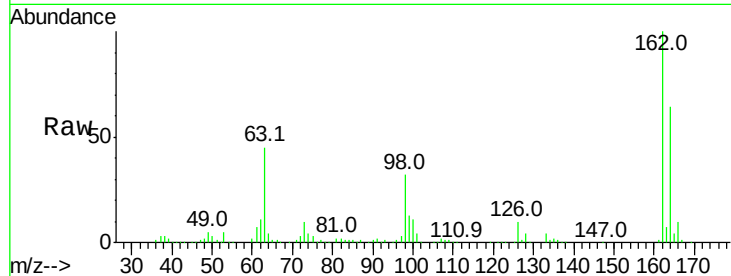
#29  
2,4-Dichlorophenol  
Concen: 61.03 ng  
RT: 8.03 min Scan# 516  
Delta R.T. -0.05 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF001-01MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 303598 |       |       |
| 164     | 64.2  | 44.9   | 84.9  |       |
| 98      | 32.3  | 13.0   | 53.0  |       |

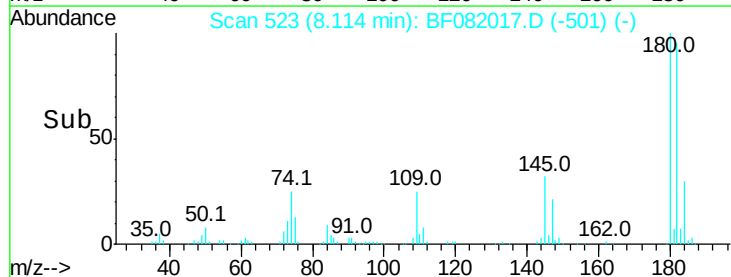
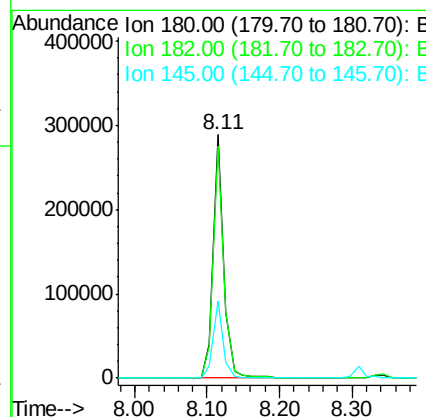
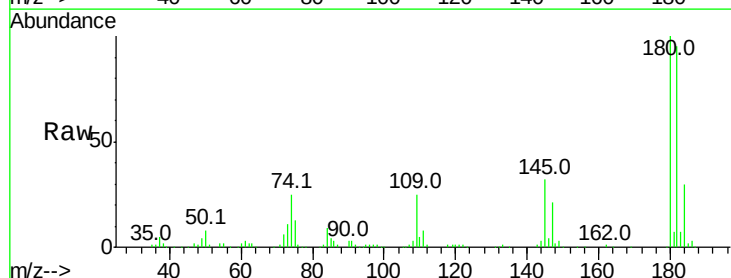
Manual Integrations  
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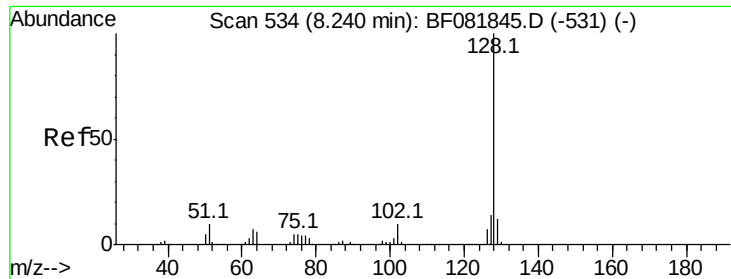
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#30  
1,2,4-Trichlorobenzene  
Concen: 52.75 ng  
RT: 8.11 min Scan# 523  
Delta R.T. -0.05 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 292976 |       |       |
| 182     | 95.5  | 77.1   | 115.7 |       |
| 145     | 31.6  | 23.3   | 34.9  |       |





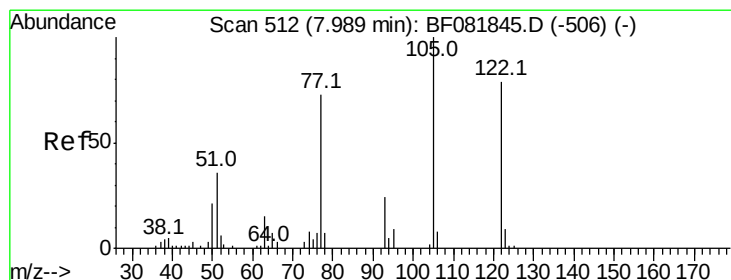
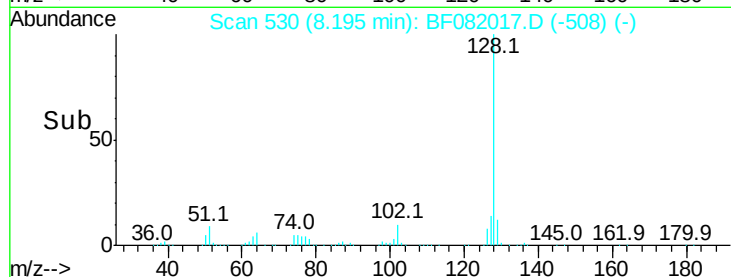
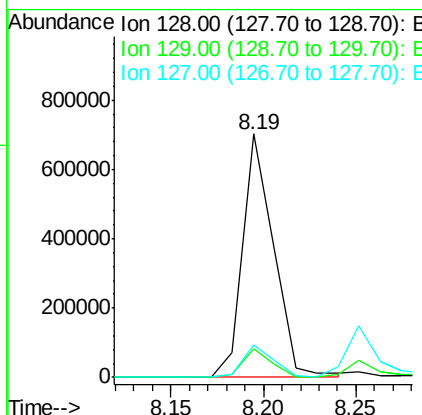
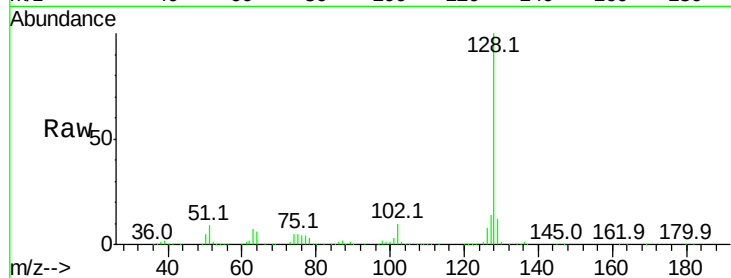
#31  
Naphthalene  
Concen: 49.69 ng/ml  
RT: 8.19 min Scan# 530  
Delta R.T. -0.05 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF001-01MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 11.7  | 8.4  | 12.6  |       |
| 127     | 13.5  | 9.9  | 14.9  |       |

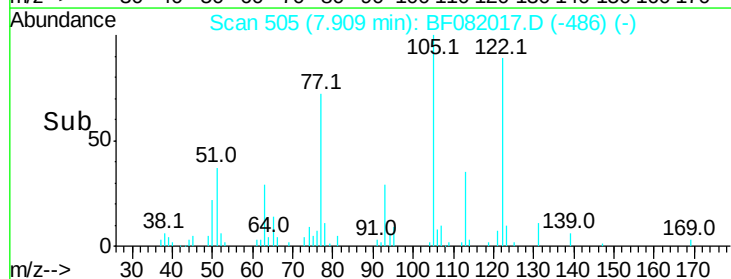
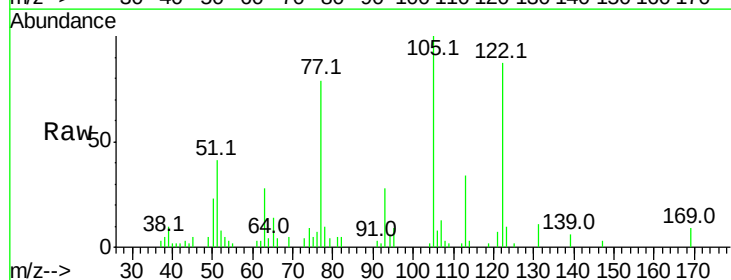
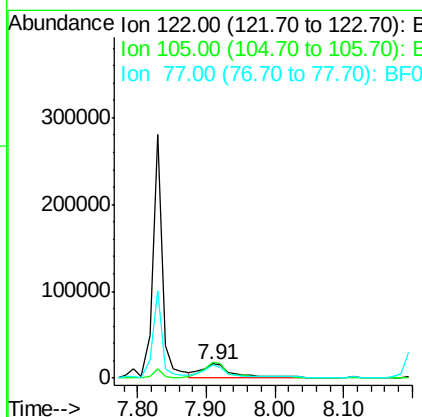
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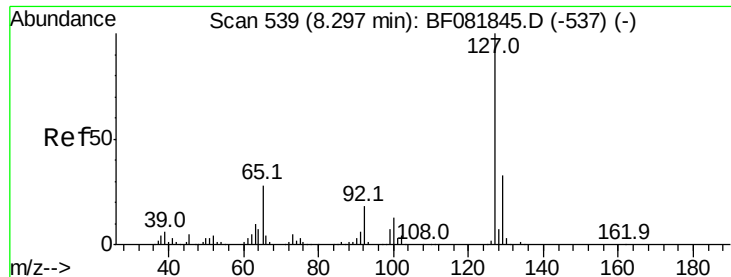
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10/5/2015 6:29:15 PM



#32  
Benzoic acid  
Concen: 20.90 ng/ml  
RT: 7.91 min Scan# 505  
Delta R.T. -0.08 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 122     | 100   |      |       |       |
| 105     | 114.7 | 76.1 | 116.1 |       |
| 77      | 91.2  | 40.5 | 80.5  |       |





#33

4-Chloroaniline

Concen: 28.61 ng

RT: 8.25 min Scan# 535

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

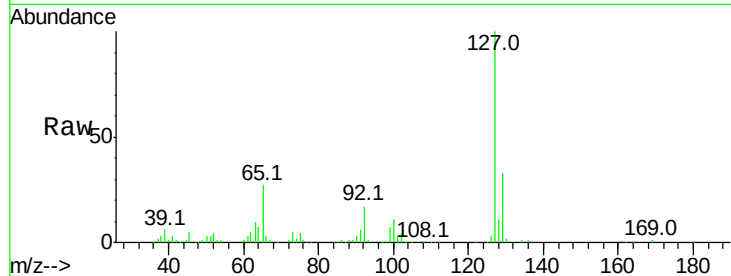
ClientSampleId :

P001-BF001-01MS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.6 | 25.8  | 38.6 |       |       |
| 65      | 27.0 | 17.9  | 26.9 |       |       |
| 92      | 17.0 | 10.5  | 15.7 |       |       |

Manual Integrations  
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MMDADODA  
10/5/2015 6:29:15 PM

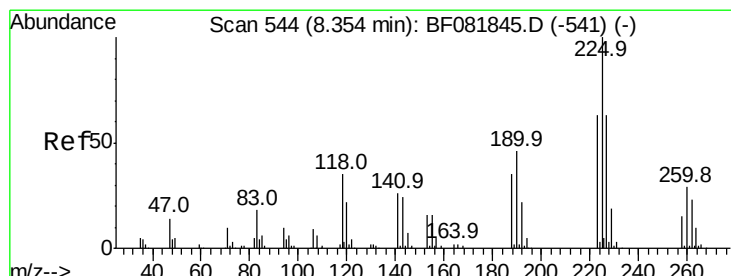
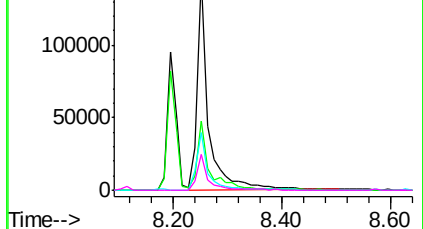
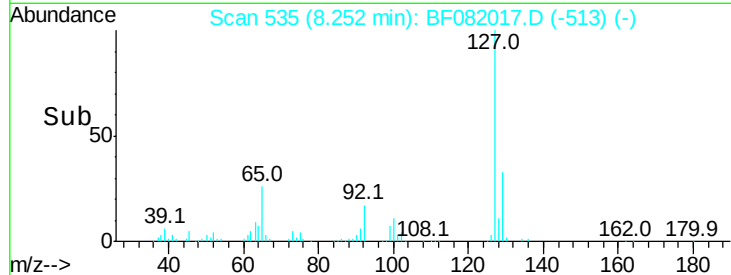


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 50.84 ng

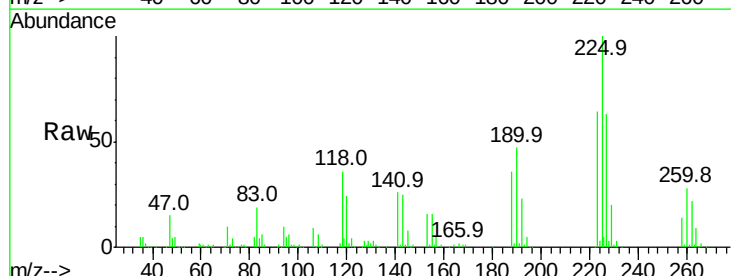
RT: 8.31 min Scan# 540

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

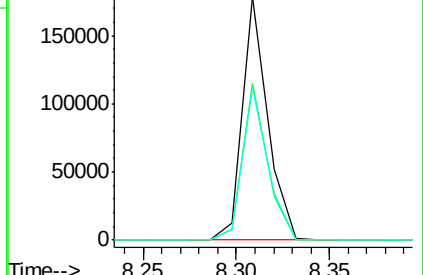
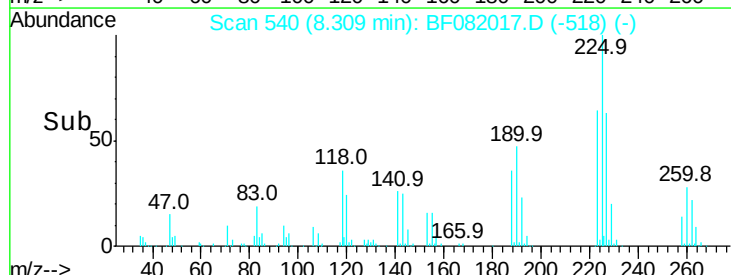
| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 64.4 | 50.2  | 75.2 |       |       |
| 227     | 62.9 | 52.2  | 78.2 |       |       |

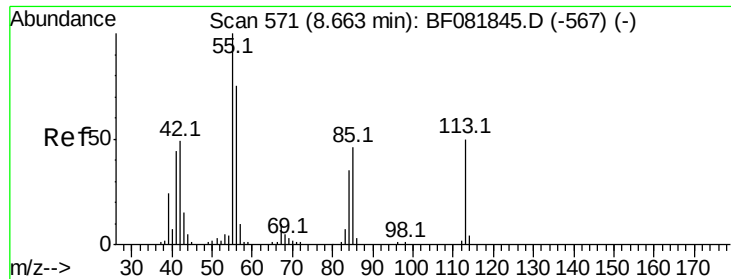


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 52.00 ng/mL

RT: 8.63 min Scan# 568

Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

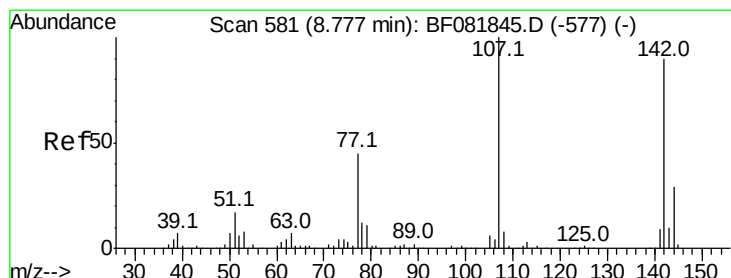
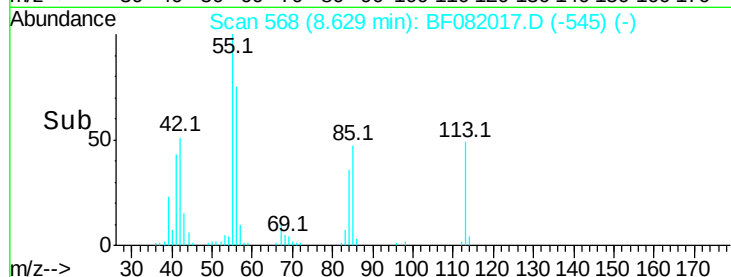
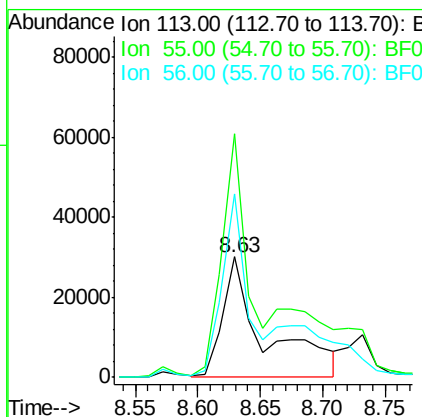
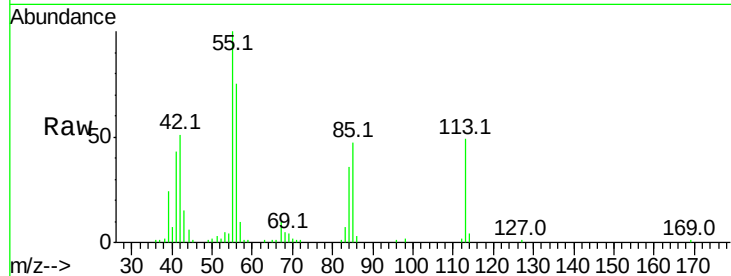
ClientSampleId :

P001-BF001-01MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 71611  |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 202.4 | 152.4 | 192.4# |
| 56        | 152.1 | 104.6 | 144.6# |

Manual Integrations  
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#36

4-Chloro-3-methylphenol

Concen: 58.67 ng/mL

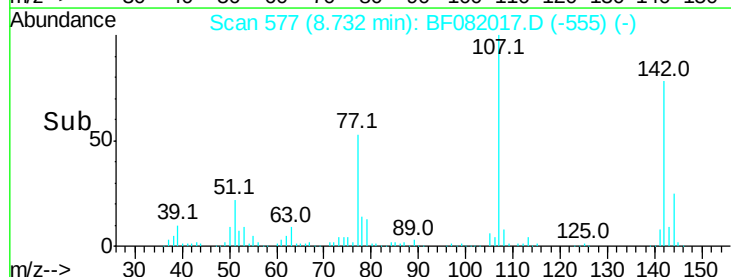
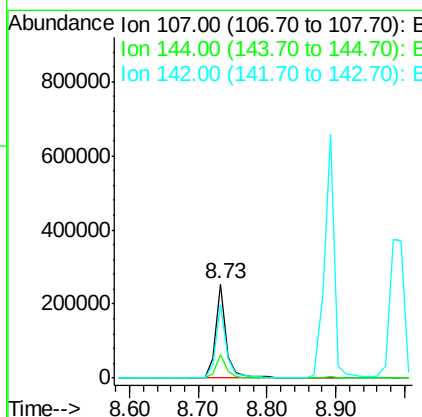
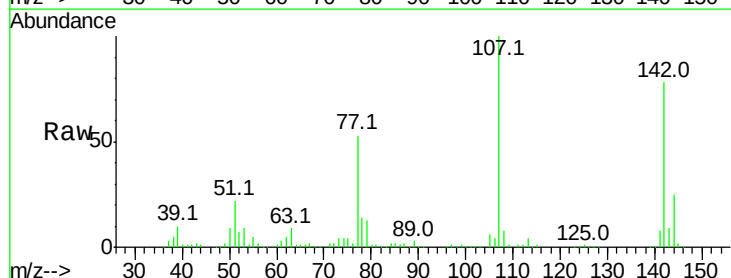
RT: 8.73 min Scan# 577

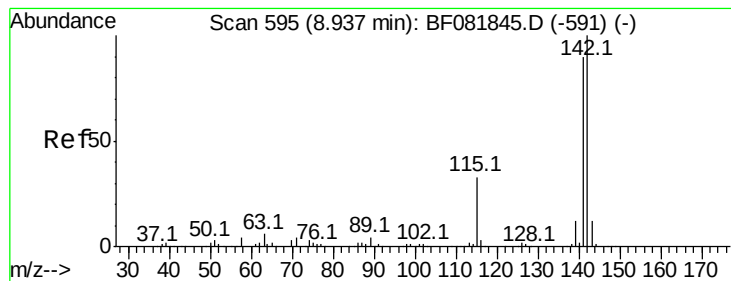
Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 285426 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 25.1  | 25.4  | 38.0#  |
| 142       | 78.0  | 77.3  | 115.9  |





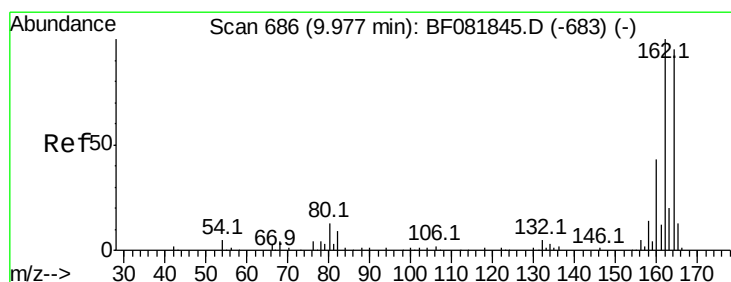
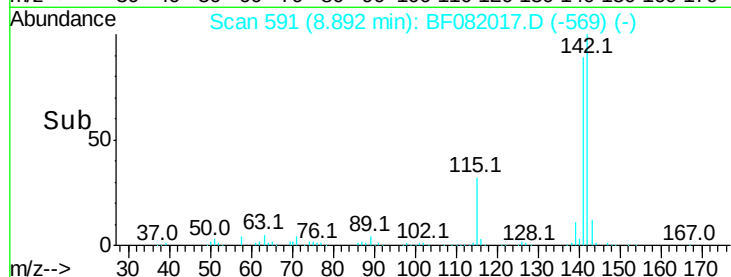
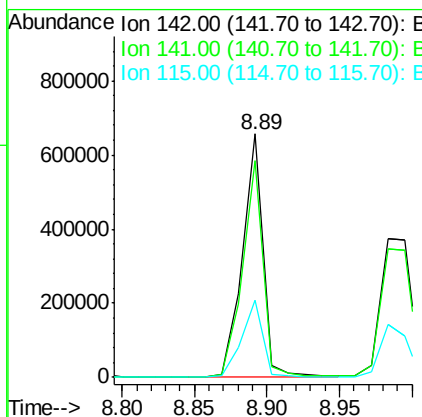
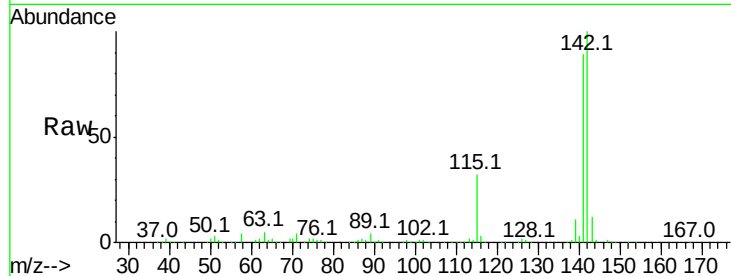
#37  
2-Methylnaphthalene  
Concen: 57.51 ng  
RT: 8.89 min Scan# 591  
Delta R.T. -0.05 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF001-01MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 142     | 100   |            |       |
| 141     | 89.2  | 67.5       | 101.3 |
| 115     | 31.9  | 18.2       | 27.2# |

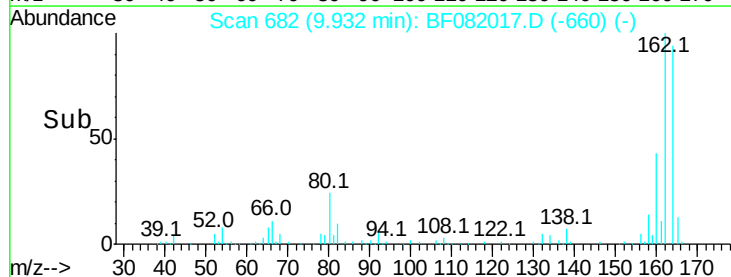
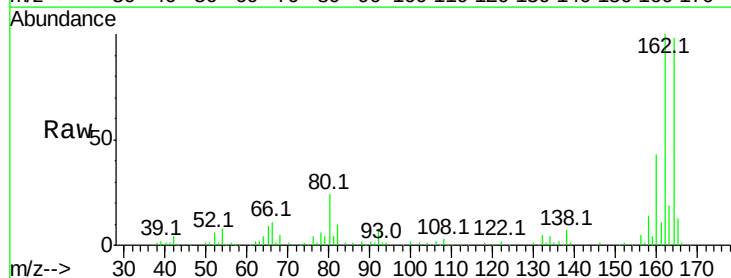
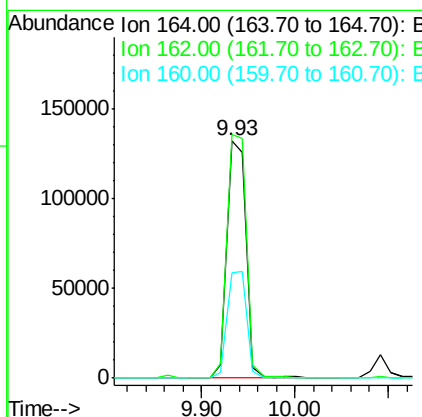
Manual Integrations  
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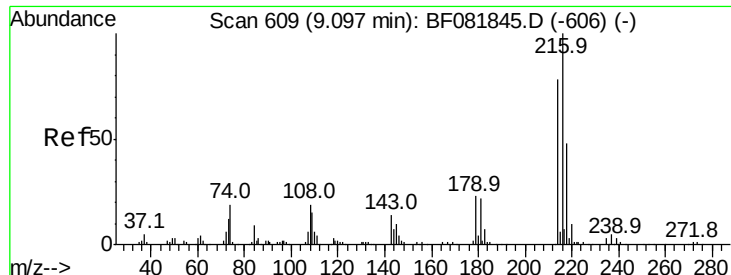
MMDADODA  
10/5/2015 6:29:15 PM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.93 min Scan# 682  
Delta R.T. -0.05 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 164     | 100   |            |       |
| 162     | 102.5 | 75.2       | 112.8 |
| 160     | 44.3  | 31.5       | 47.3  |





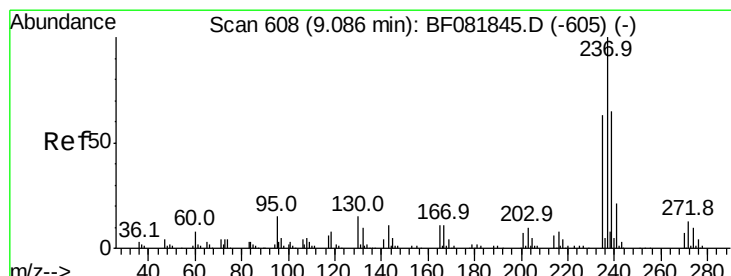
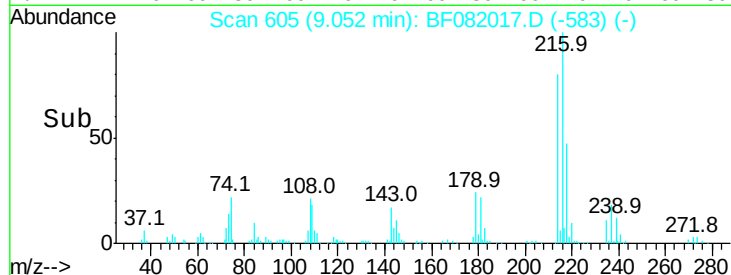
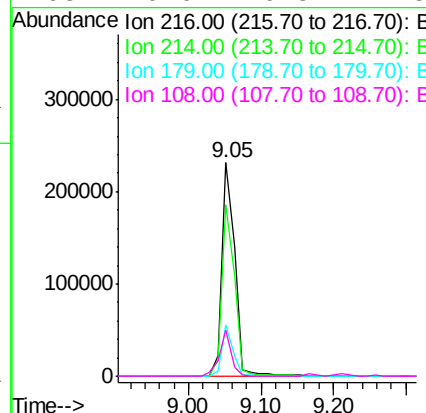
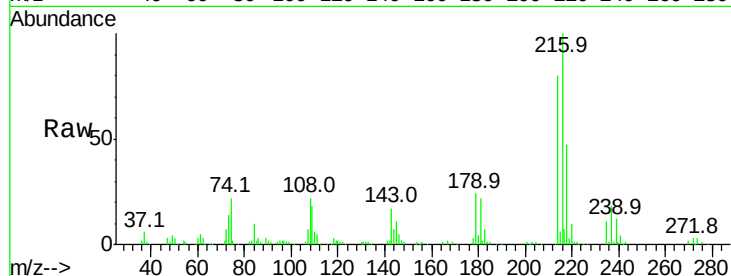
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 49.36 ng  
 RT: 9.05 min Scan# 605  
 Delta R.T. -0.05 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-01MS

Manual Integrations  
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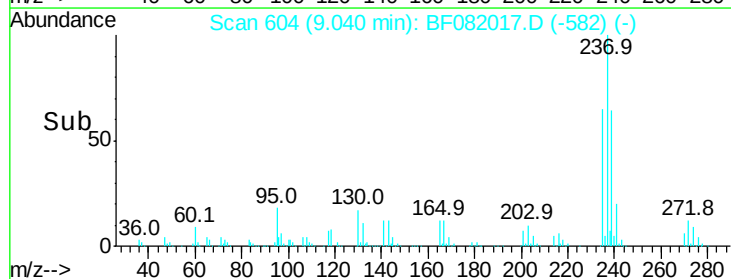
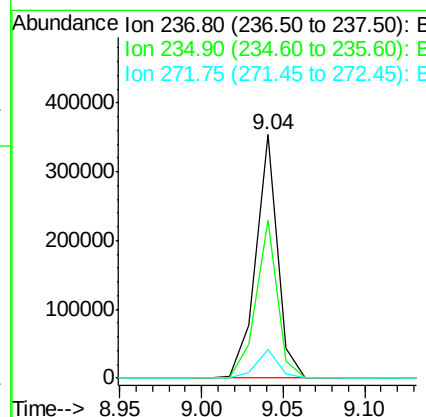
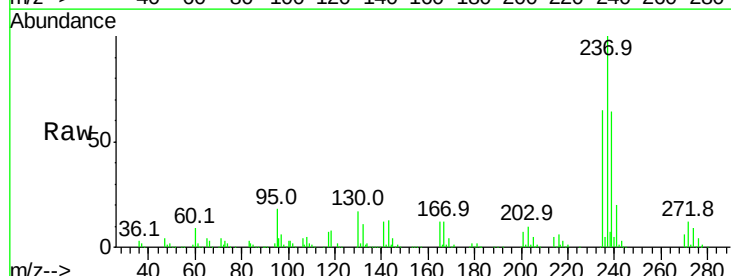
MMDADODA  
 10/5/2015 6:29:15 PM

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 286463 |       |       |
| 214     | 79.4  | 63.5   | 95.3  |       |
| 179     | 20.9  | 16.6   | 24.8  |       |
| 108     | 19.6  | 16.3   | 24.5  |       |

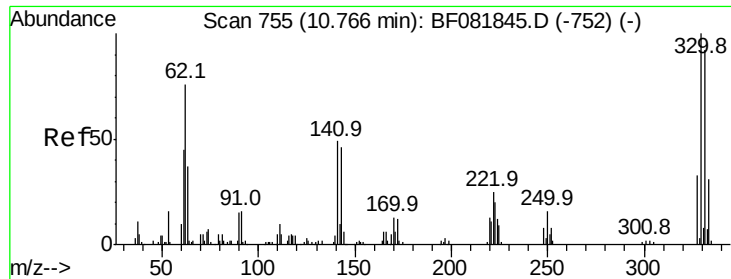


#40  
 Hexachlorocyclopentadiene  
 Concen: 109.19 ng  
 RT: 9.04 min Scan# 604  
 Delta R.T. -0.04 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 326335 |       |       |
| 235     | 64.8  | 42.0   | 82.0  |       |
| 272     | 11.8  | 0.0    | 36.1  |       |







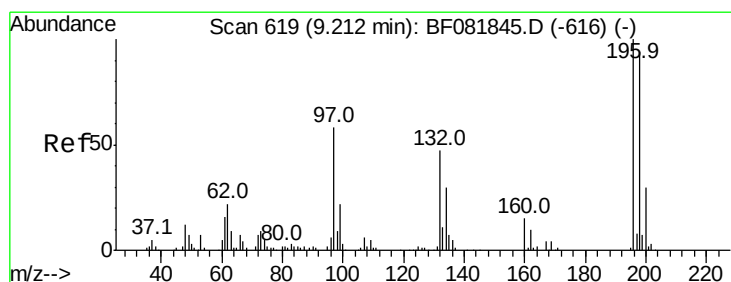
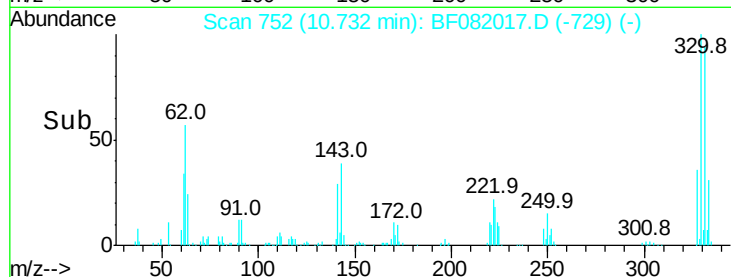
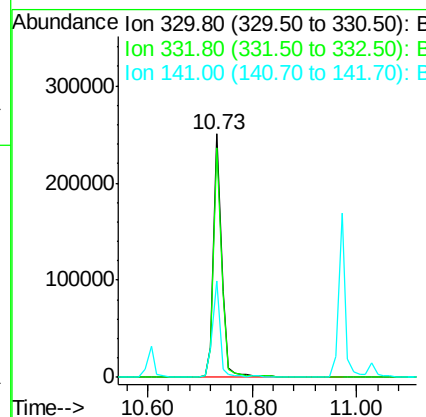
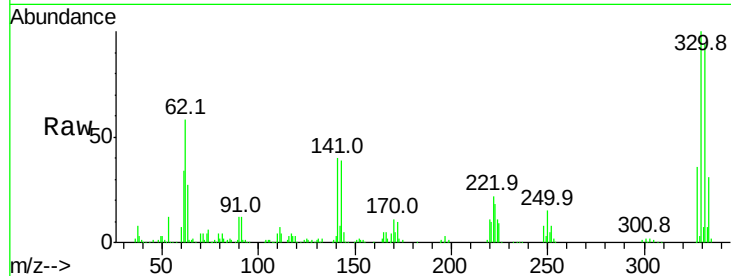
#41  
 2,4,6-Tribromophenol  
 Concen: 144.49 ng  
 RT: 10.73 min Scan# 752  
 Delta R.T. -0.03 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-01MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 276653 |       |       |
| 332     | 94.9  | 76.6   | 114.8 |       |
| 141     | 36.2  | 29.7   | 44.5  |       |

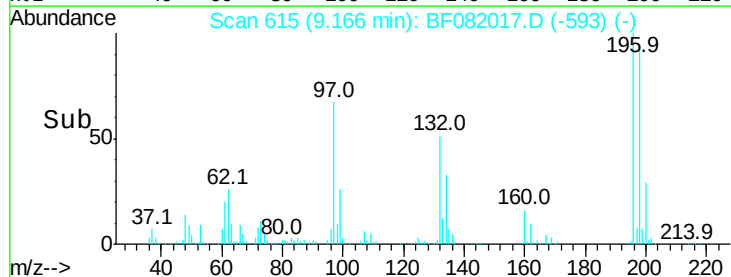
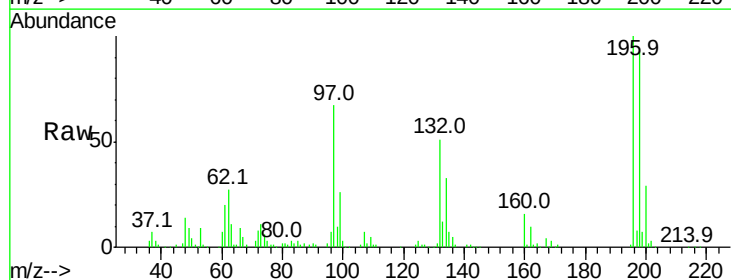
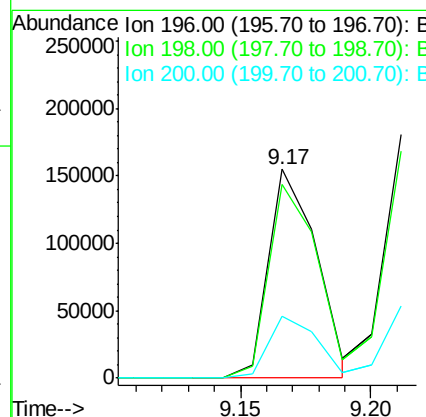
Manual Integrations  
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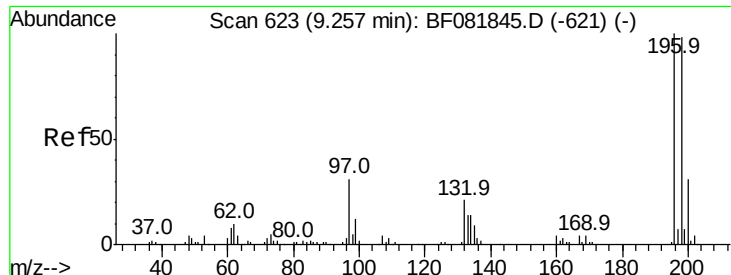
MMDADODA  
 10/5/2015 6:29:15 PM



#42  
 2,4,6-Trichlorophenol  
 Concen: 50.01 ng  
 RT: 9.17 min Scan# 615  
 Delta R.T. -0.05 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 199005 |       |       |
| 198     | 92.7  | 75.7   | 113.5 |       |
| 200     | 29.4  | 23.9   | 35.9  |       |





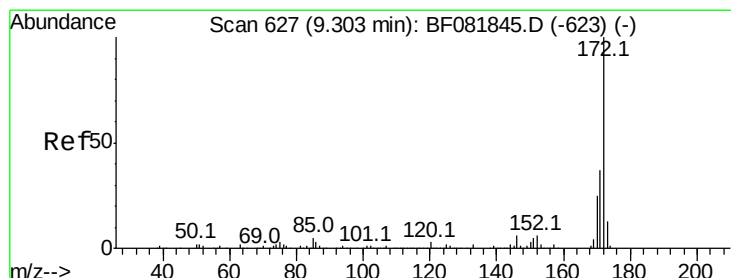
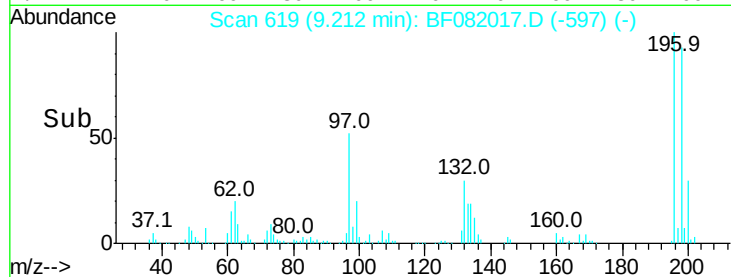
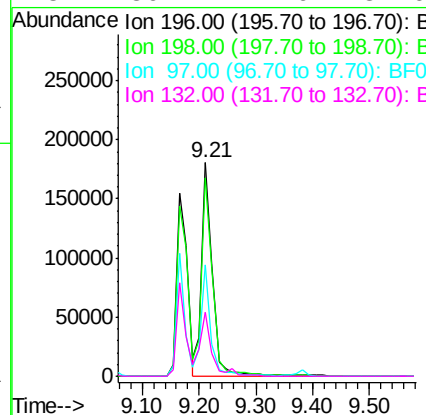
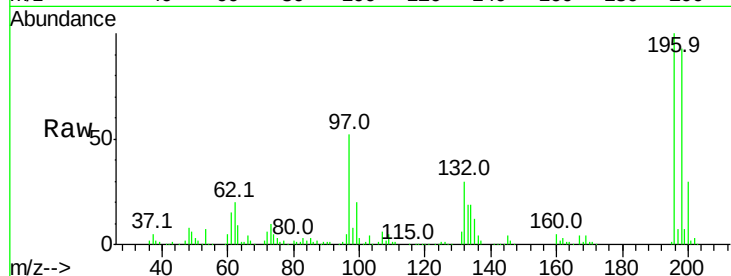
#43  
 2,4,5-Trichlorophenol  
 Concen: 58.26 ng  
 RT: 9.21 min Scan# 619  
 Delta R.T. -0.05 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-01MS

Manual Integrations  
 APPROVED

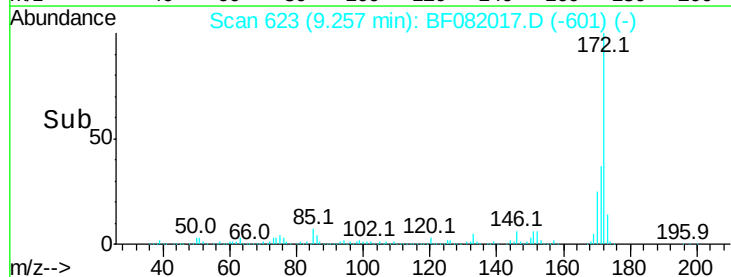
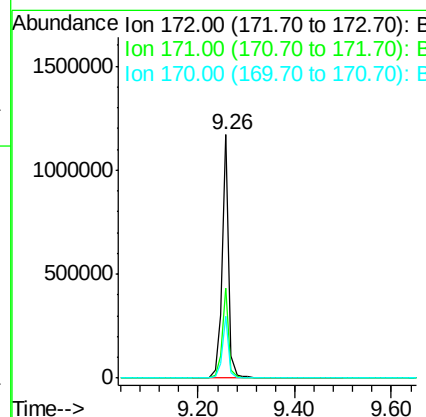
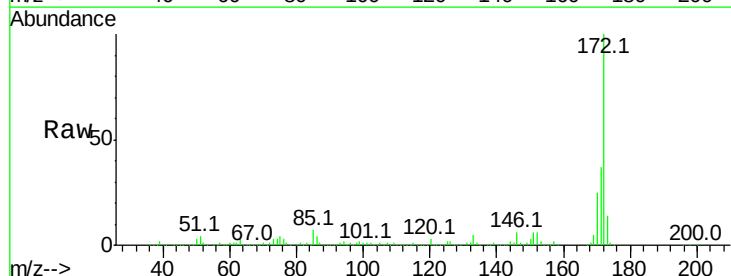
MMDADODA  
 10/5/2015 6:29:15 PM

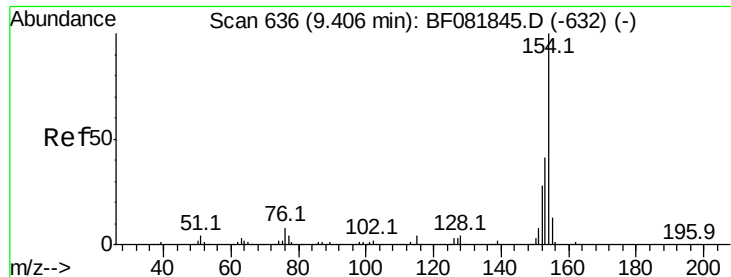
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 93.1  | 75.4 | 113.0 |       |
| 97      | 52.3  | 33.3 | 49.9  |       |
| 132     | 30.1  | 24.6 | 37.0  |       |



#44  
 2-Fluorobiphenyl  
 Concen: 107.14 ng  
 RT: 9.26 min Scan# 623  
 Delta R.T. -0.05 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 36.9  | 26.1 | 39.1  |       |
| 170     | 25.3  | 17.4 | 26.2  |       |





#45

1,1'-Biphenyl

Concen: 55.74 ng

RT: 9.36 min Scan# 632

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

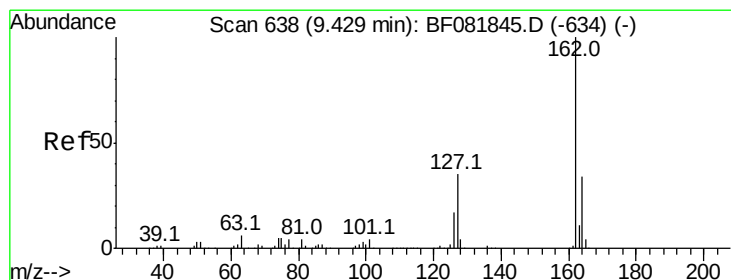
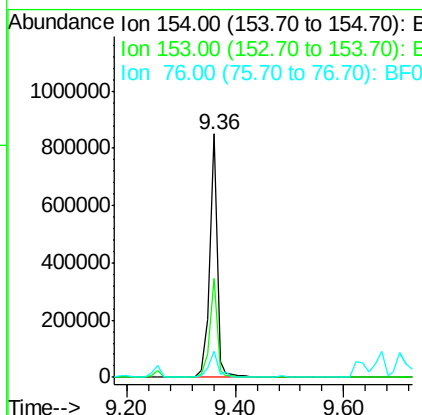
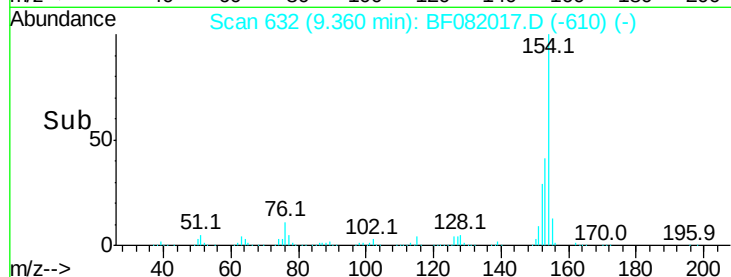
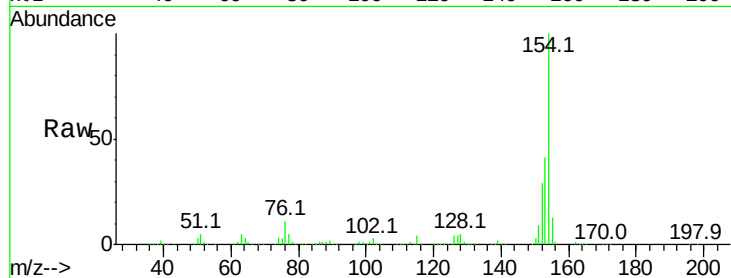
ClientSampleId :

P001-BF001-01MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 812938 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.9  | 17.1  | 57.1   |
| 76        | 10.9  | 0.0   | 31.6   |

Manual Integrations  
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10/5/2015 6:29:15 PM



#46

2-Chloronaphthalene

Concen: 53.14 ng

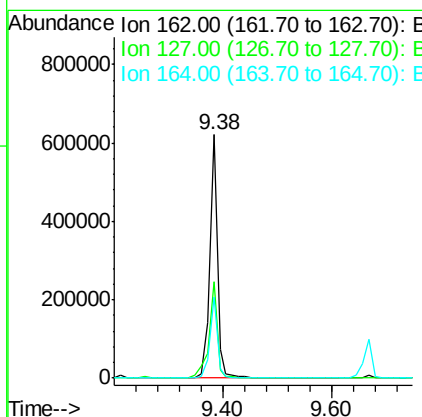
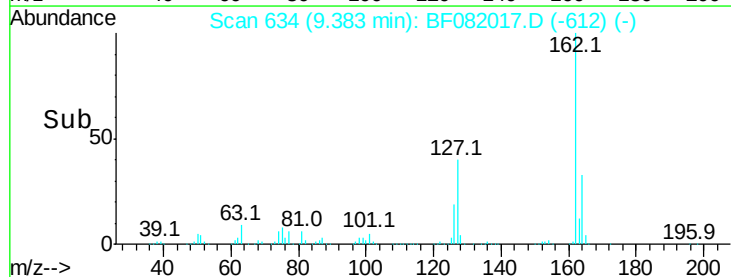
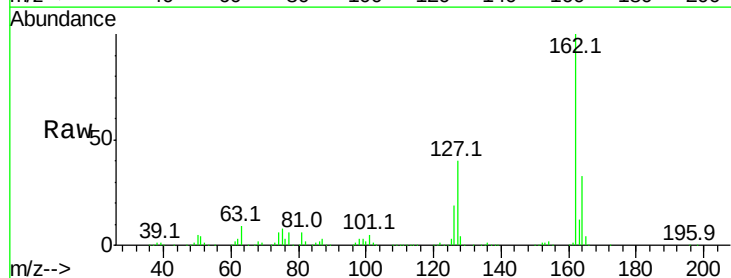
RT: 9.38 min Scan# 634

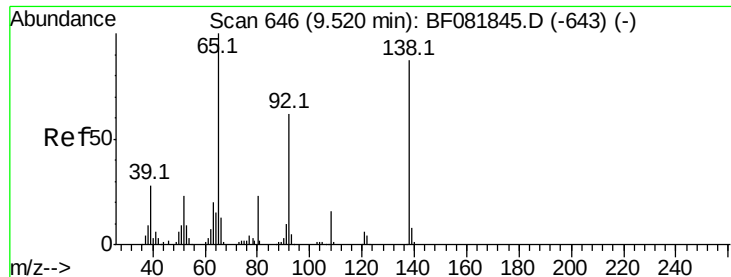
Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 608600 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 39.6  | 27.6  | 41.4   |
| 164       | 33.4  | 25.4  | 38.2   |





#47

2-Nitroaniline

Concen: 57.65 ng

RT: 9.49 min Scan# 643

Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

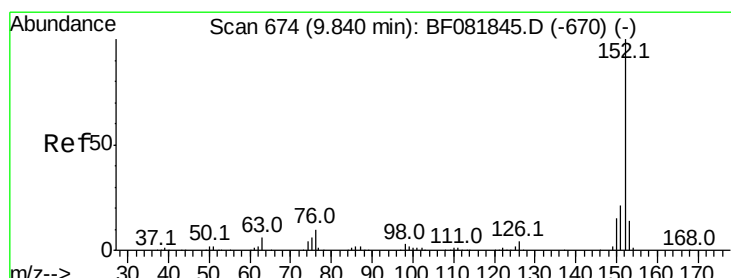
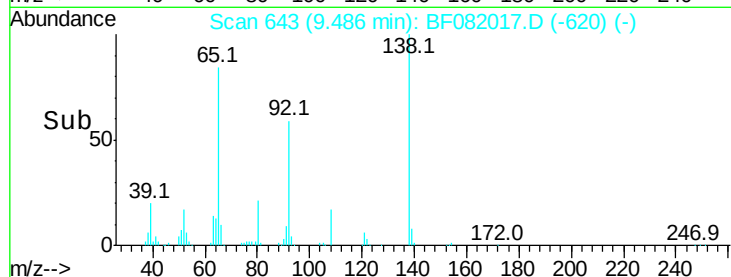
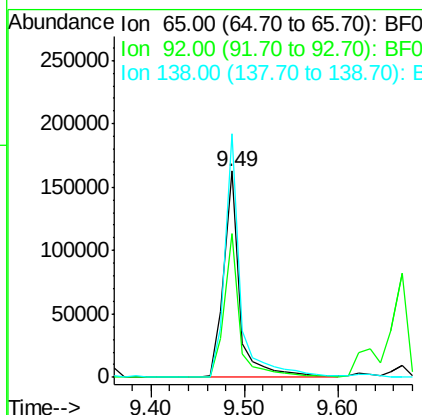
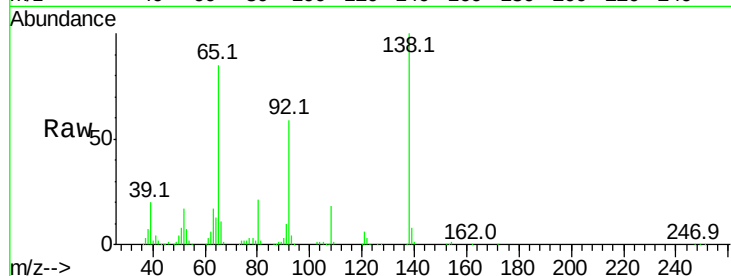
ClientSampleId :

P001-BF001-01MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 65    | Resp: | 193813 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 69.9  | 55.4  | 83.0   |
| 138       | 118.2 | 115.5 | 173.3  |

Manual Integrations  
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MMDADODA  
10/5/2015 6:29:15 PM



#48

Acenaphthylene

Concen: 51.46 ng

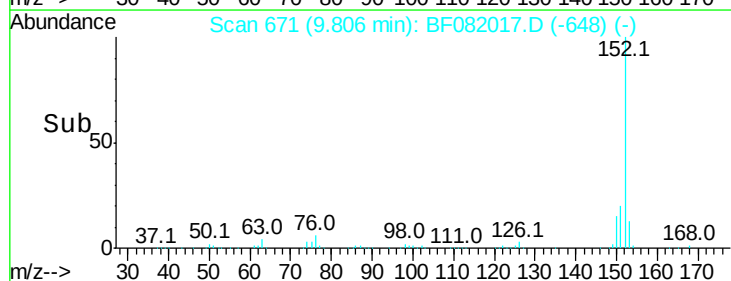
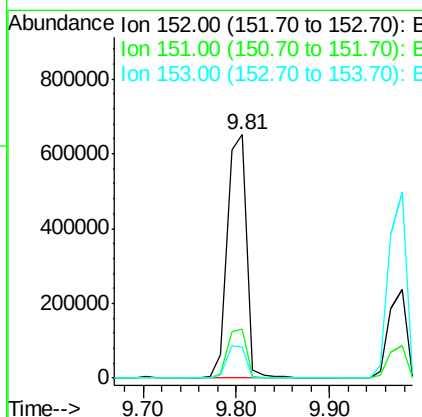
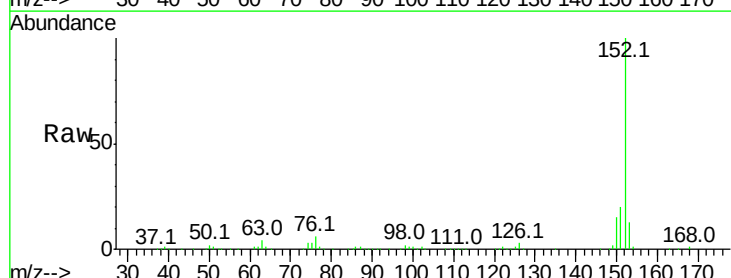
RT: 9.81 min Scan# 671

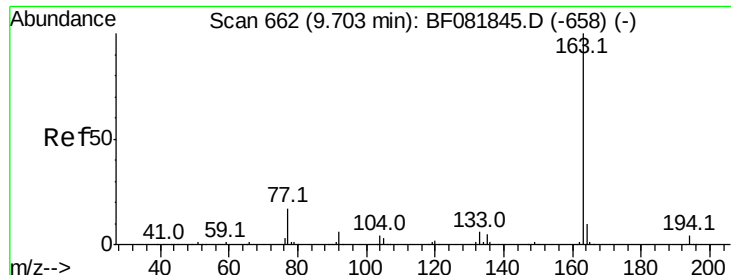
Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 943258 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.1  | 14.6  | 22.0   |
| 153       | 12.8  | 10.3  | 15.5   |





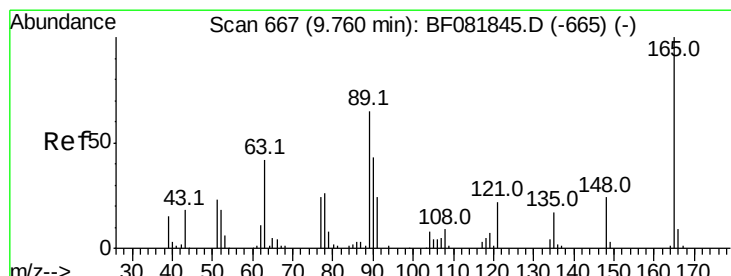
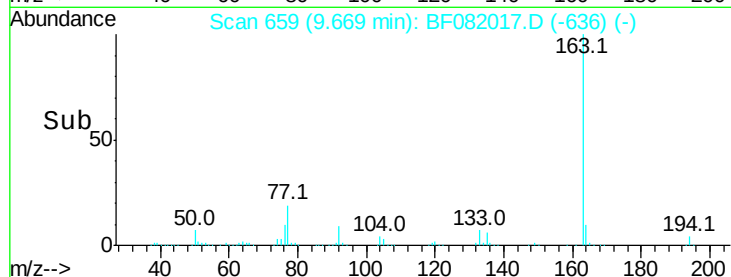
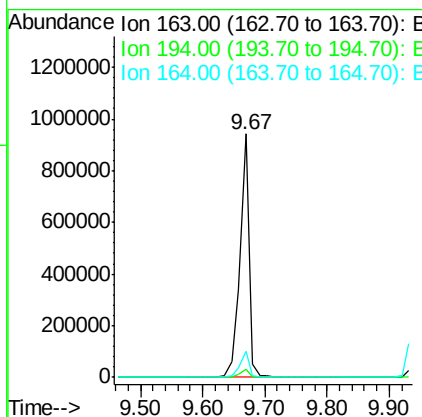
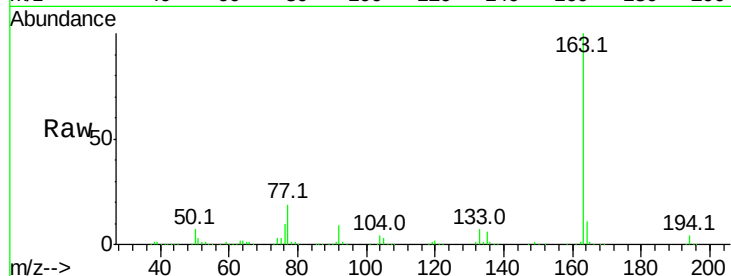
#49  
Dimethylphthalate  
Concen: 74.77 ng  
RT: 9.67 min Scan# 659  
Delta R.T. -0.03 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF001-01MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 163     | 100   |      |       |       |
| 194     | 3.6   | 4.4  | 6.6#  |       |
| 164     | 10.6  | 8.3  | 12.5  |       |

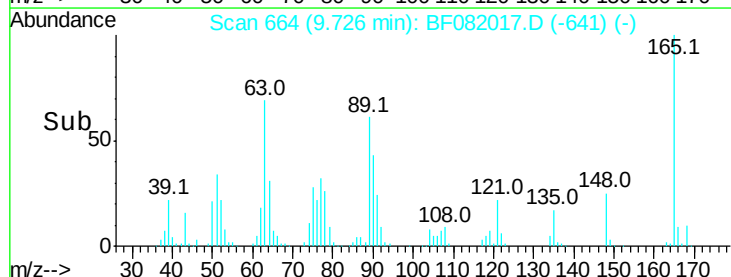
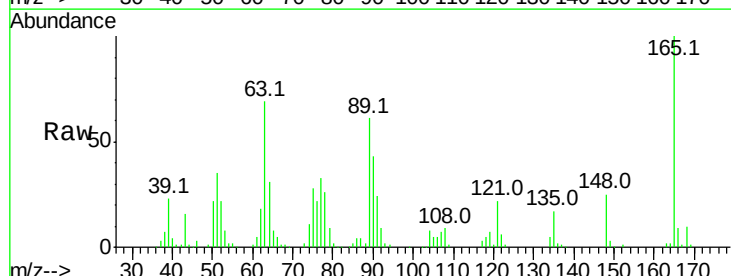
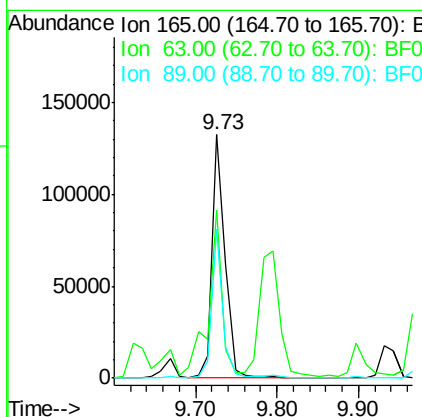
Manual Integrations  
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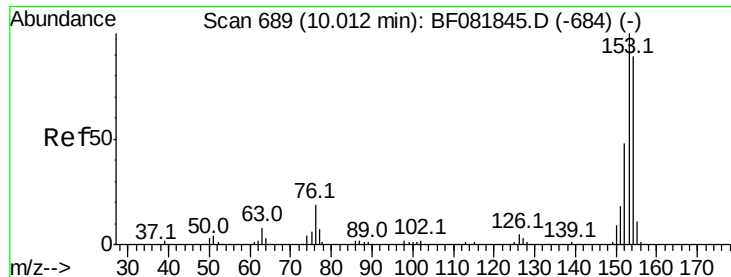
MMDADODA  
10/5/2015 6:29:15 PM



#50  
2,6-Dinitrotoluene  
Concen: 53.06 ng  
RT: 9.73 min Scan# 664  
Delta R.T. -0.03 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 68.9  | 32.3 | 48.5# |       |
| 89      | 61.2  | 28.6 | 43.0# |       |





#51

Acenaphthene

Concen: 59.37 ng

RT: 9.98 min Scan# 686

Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

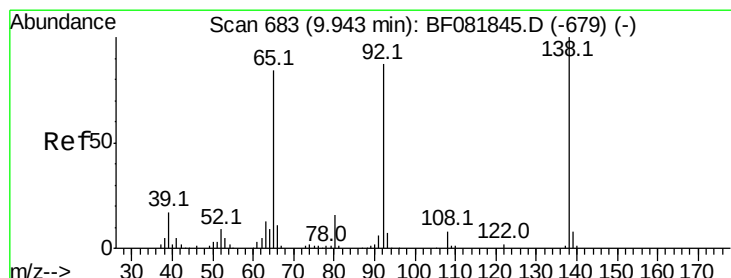
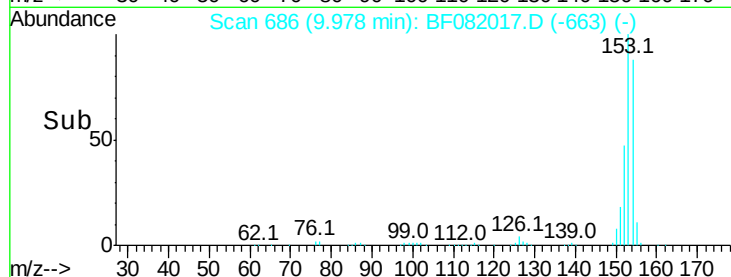
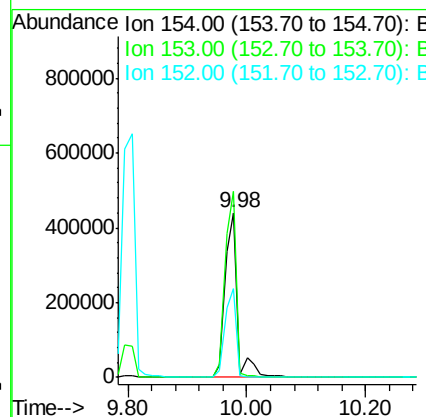
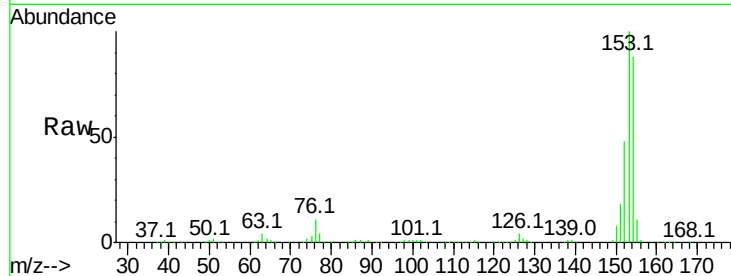
ClientSampleId :

P001-BF001-01MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 646244 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 113.2 | 82.1  | 123.1  |
| 152       | 54.1  | 37.9  | 56.9   |

Manual Integrations  
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MMDADODA  
10/5/2015 6:29:15 PM



#52

3-Nitroaniline

Concen: 39.60 ng

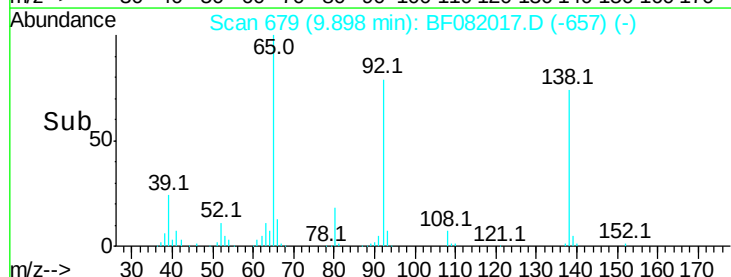
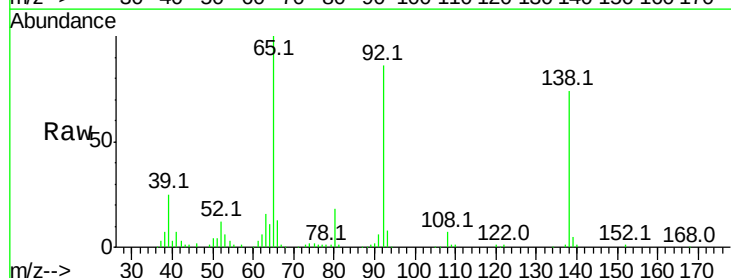
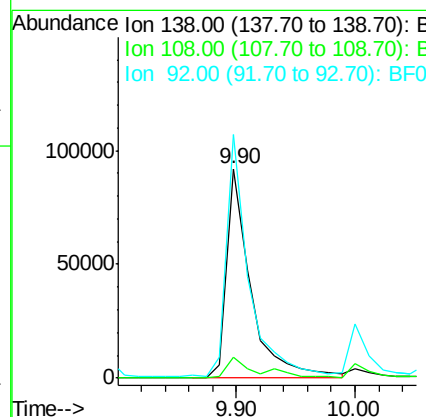
RT: 9.90 min Scan# 679

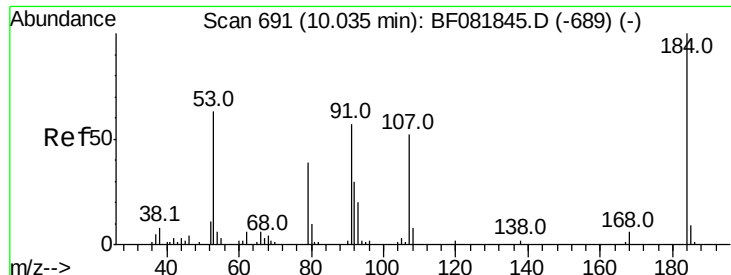
Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 129807 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 10.0  | 5.7   | 8.5#   |
| 92        | 116.3 | 67.7  | 101.5# |





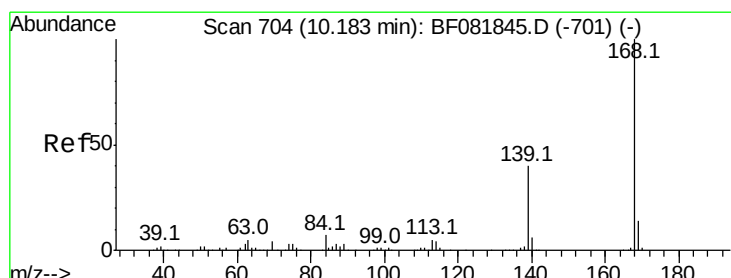
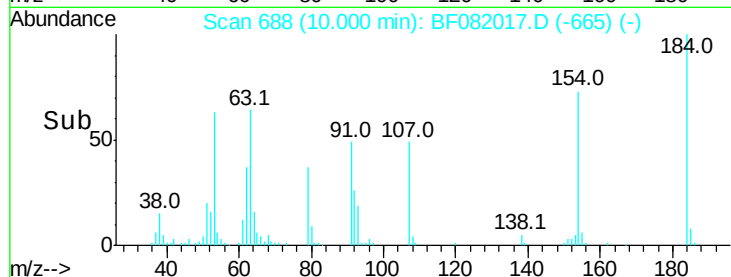
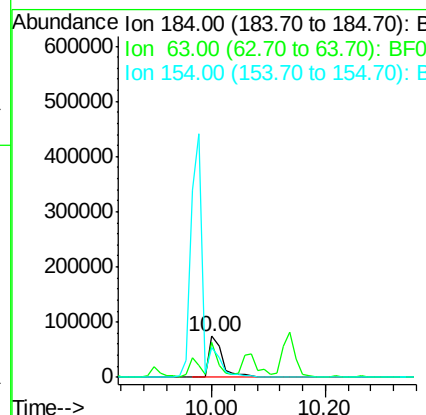
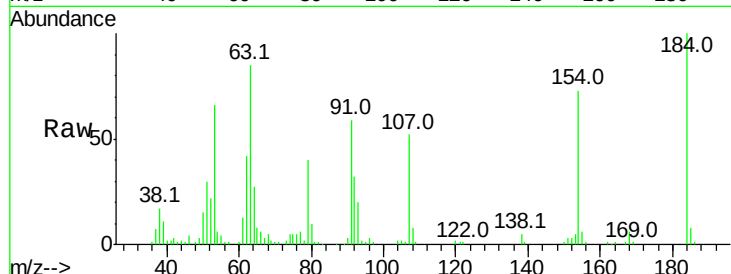
#53  
 2,4-Dinitrophenol  
 Concen: 83.04 ng  
 RT: 10.00 min Scan# 688  
 Delta R.T. -0.03 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-01MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 63      | 85.0  | 35.4 | 53.2# |       |
| 154     | 72.6  | 32.2 | 48.4# |       |

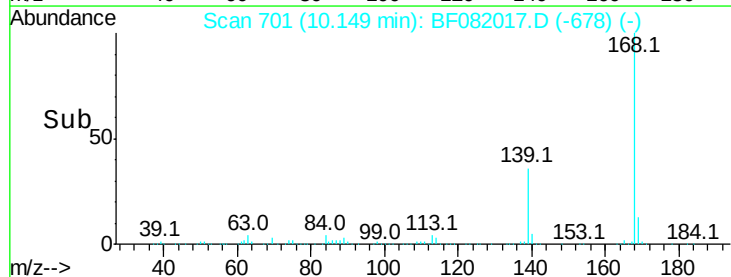
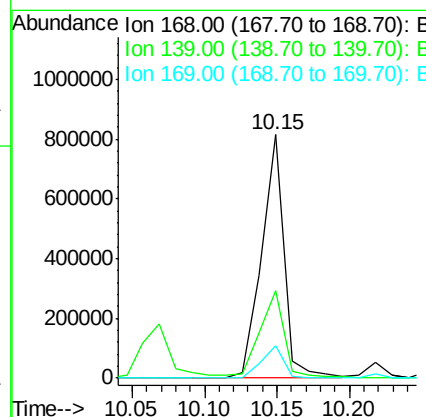
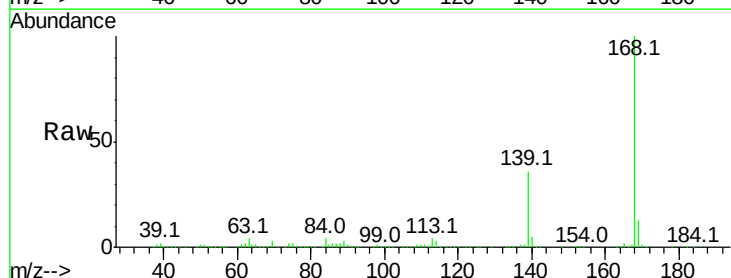
Manual Integrations  
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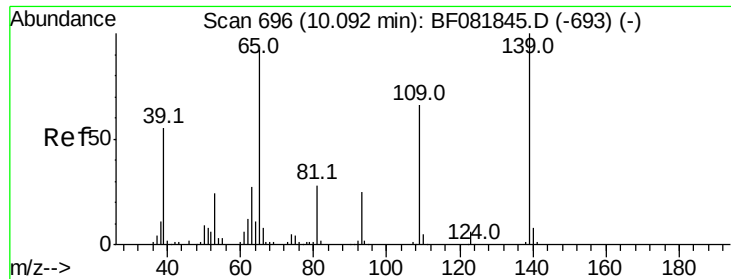
MMDADODA  
 10/5/2015 6:29:15 PM



#54  
 Dibenzofuran  
 Concen: 56.91 ng  
 RT: 10.15 min Scan# 701  
 Delta R.T. -0.03 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 36.2  | 24.2 | 36.2  |       |
| 169     | 13.4  | 10.6 | 15.8  |       |





#55

4-Nitrophenol

Concen: 108.52 ng

RT: 10.07 min Scan# 694

Delta R.T. -0.02 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

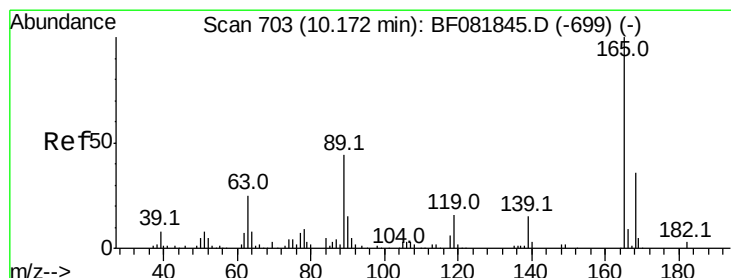
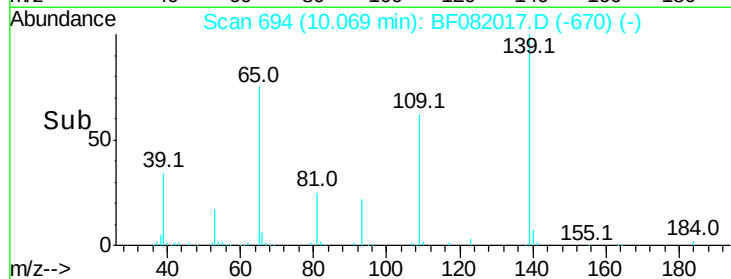
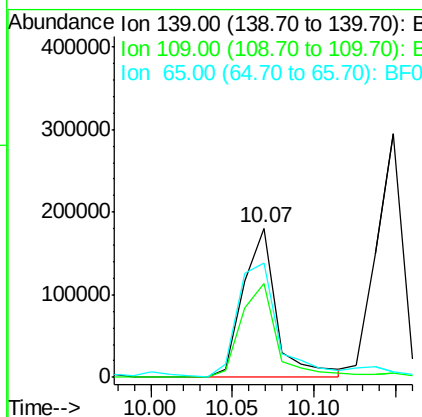
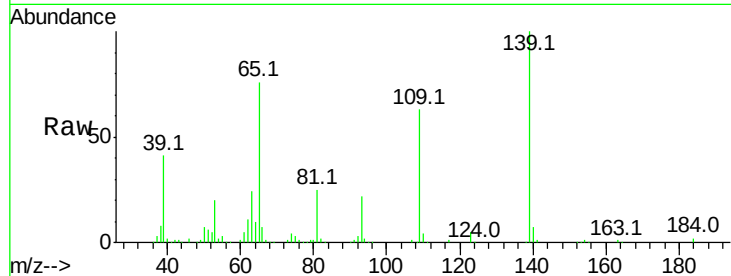
ClientSampleId :

P001-BF001-01MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 139   | Resp: | 257014 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 62.6  | 12.7  | 52.7#  |
| 65        | 76.4  | 45.9  | 85.9   |

Manual Integrations  
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MMDADODA  
10/5/2015 6:29:15 PM



#56

2,4-Dinitrotoluene

Concen: 62.08 ng

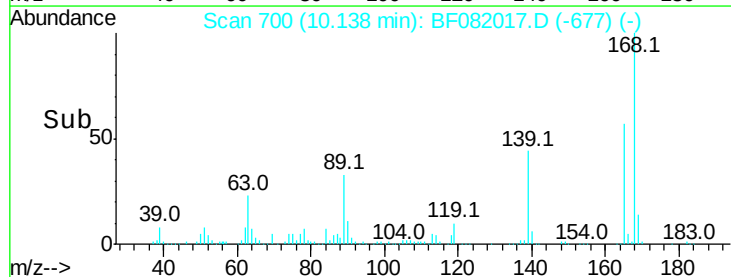
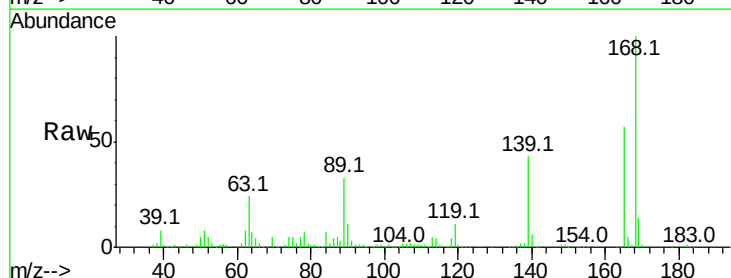
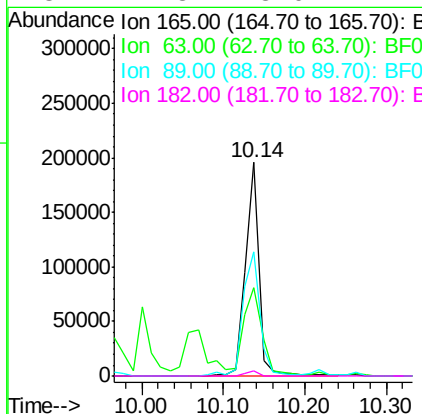
RT: 10.14 min Scan# 700

Delta R.T. -0.03 min

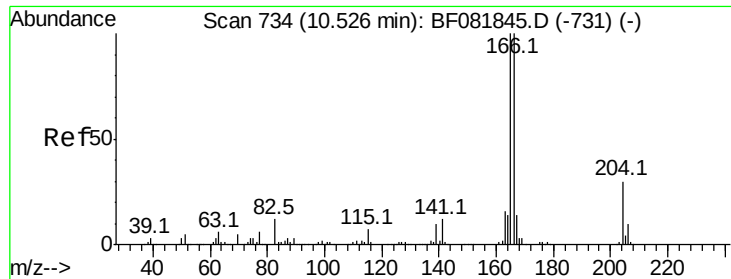
Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 224219 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 41.6  | 29.8  | 44.6   |
| 89        | 58.1  | 44.5  | 66.7   |
| 182       | 2.3   | 3.0   | 4.4#   |







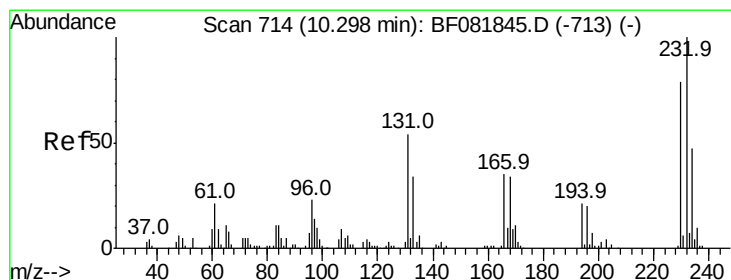
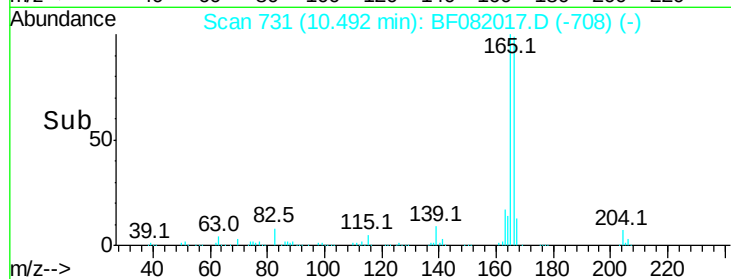
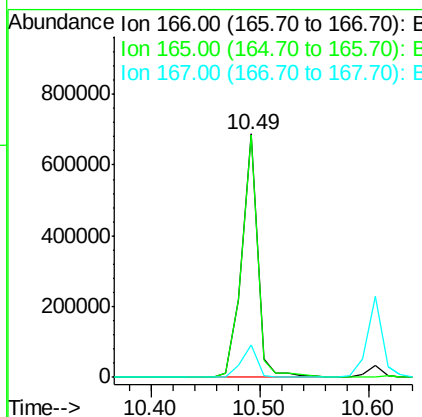
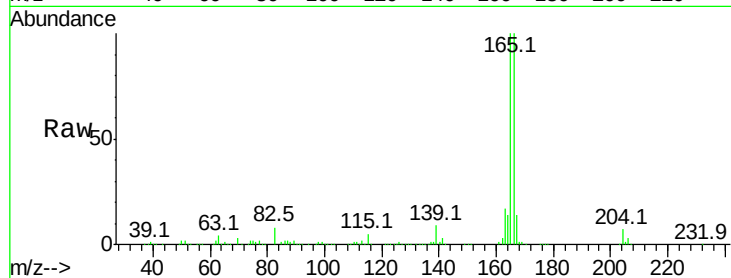
#57  
Fluorene  
Concen: 63.71 ng  
RT: 10.49 min Scan# 731  
Delta R.T. -0.03 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF001-01MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 691188 |       |       |
| 165     | 99.7  | 72.6   | 109.0 |       |
| 167     | 13.5  | 10.6   | 16.0  |       |

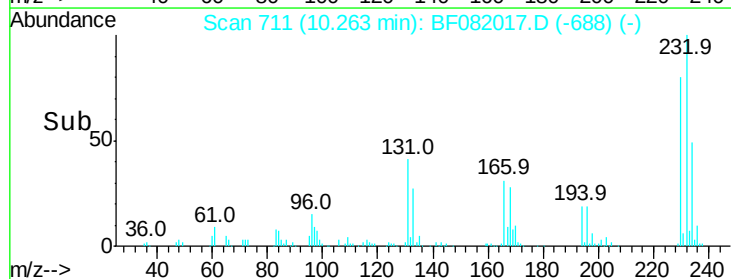
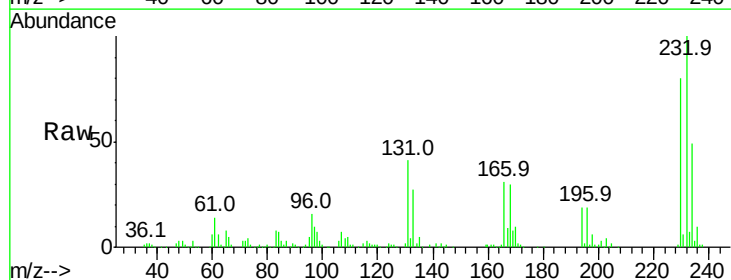
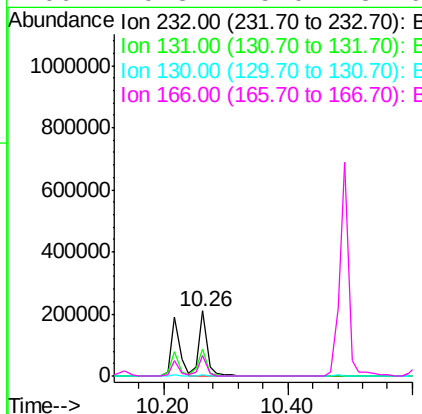
Manual Integrations  
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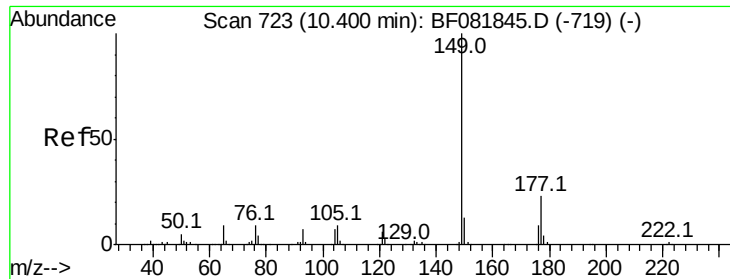
MMDADODA  
10/5/2015 6:29:15 PM



#58  
2,3,4,6-Tetrachlorophenol  
Concen: 61.94 ng  
RT: 10.26 min Scan# 711  
Delta R.T. -0.03 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 201038 |       |       |
| 131     | 43.1  | 38.5   | 57.7  |       |
| 130     | 2.1   | 1.8    | 2.6   |       |
| 166     | 29.3  | 25.0   | 37.6  |       |





#59

Diethylphthalate

Concen: 53.77 ng

RT: 10.37 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

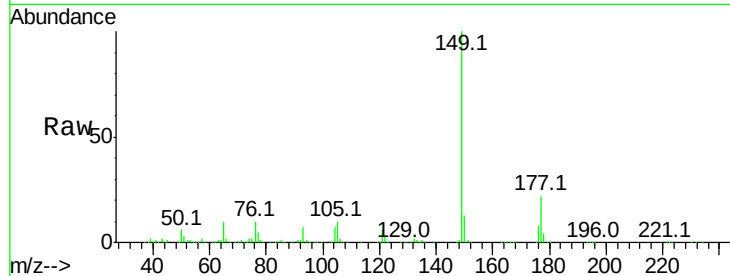
ClientSampleId :

P001-BF001-01MS

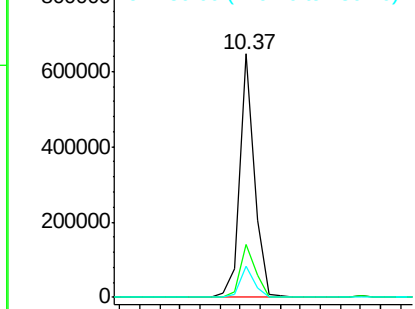
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 655416 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 21.5  | 17.5  | 26.3   |
| 150       | 13.0  | 9.4   | 14.2   |

Manual Integrations  
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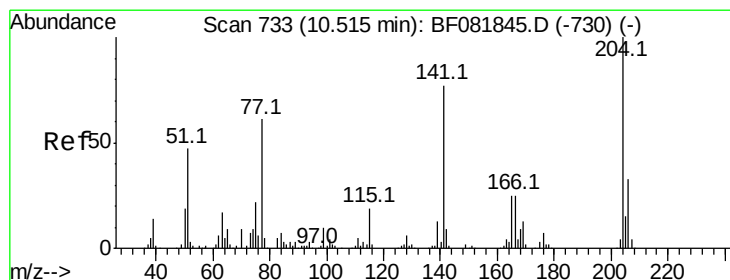
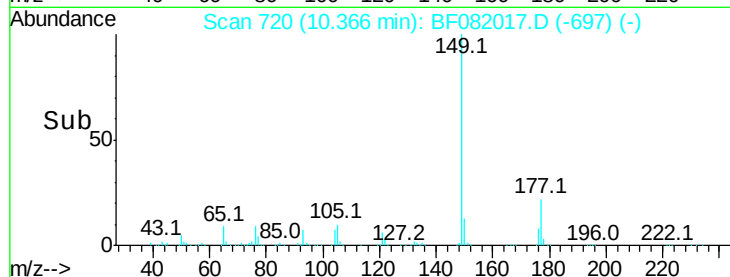
MMDADODA  
10/5/2015 6:29:15 PM



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E



Time-->



#60

4-Chlorophenyl-phenylether

Concen: 55.77 ng

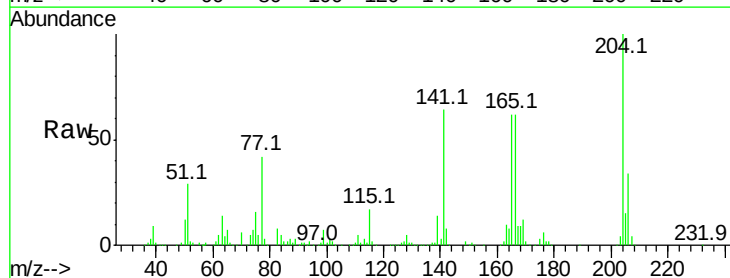
RT: 10.48 min Scan# 730

Delta R.T. -0.03 min

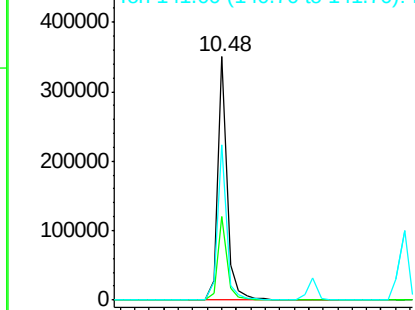
Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

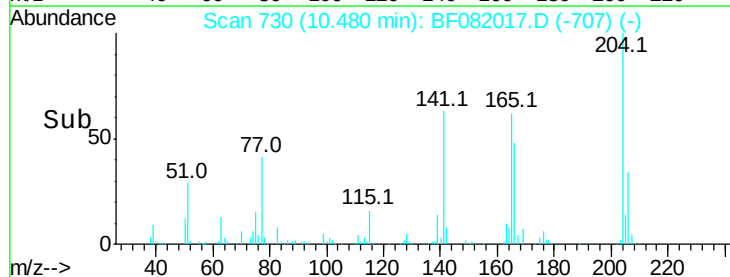
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 314084 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 34.1  | 24.8  | 37.2   |
| 141       | 63.7  | 42.2  | 63.4#  |

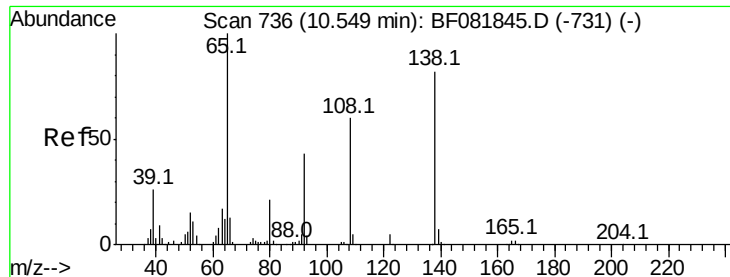


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E



Time-->





#61

4-Nitroaniline

Concen: 53.41 ng

RT: 10.53 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

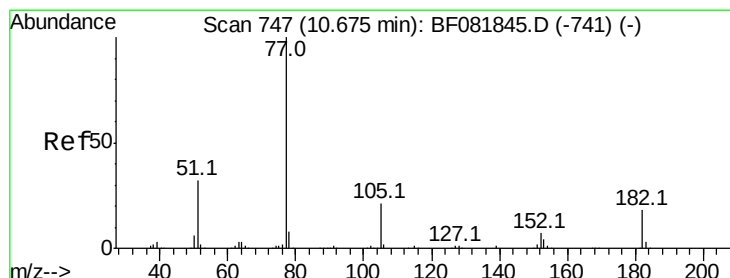
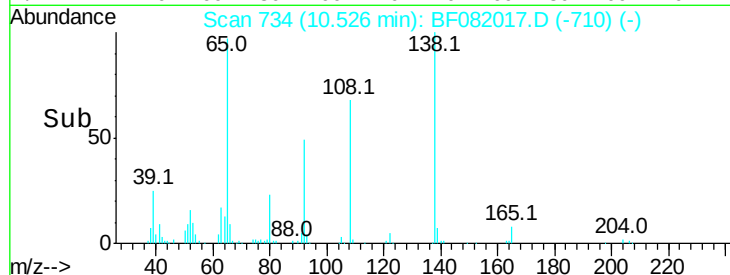
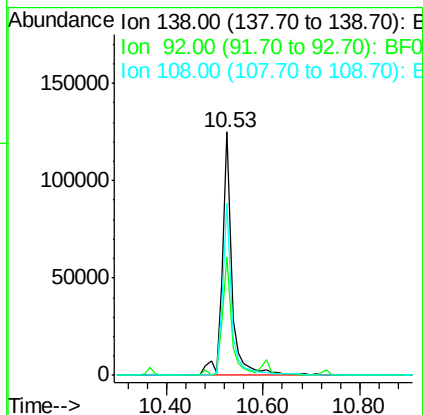
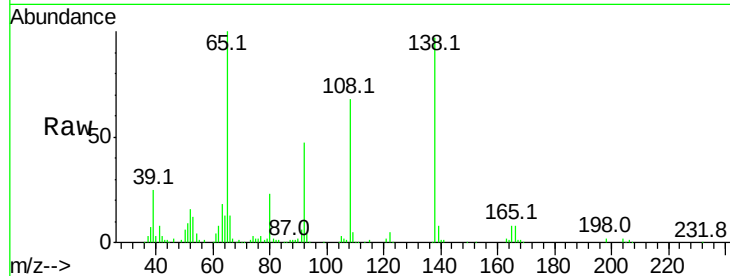
ClientSampleId :

P001-BF001-01MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 138   | Resp: | 175531 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 48.6  | 12.6  | 52.6   |
| 108       | 70.5  | 12.4  | 52.4   |

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#62

Azobenzene

Concen: 56.68 ng

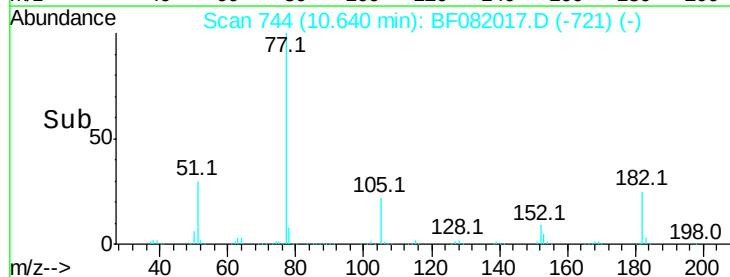
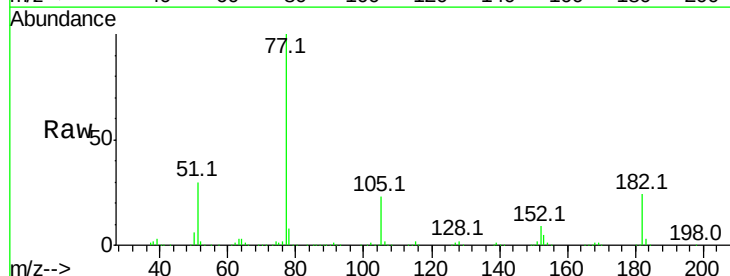
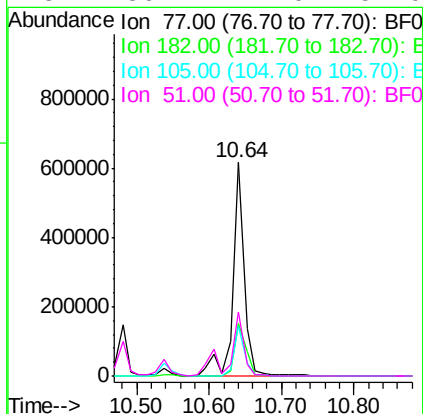
RT: 10.64 min Scan# 744

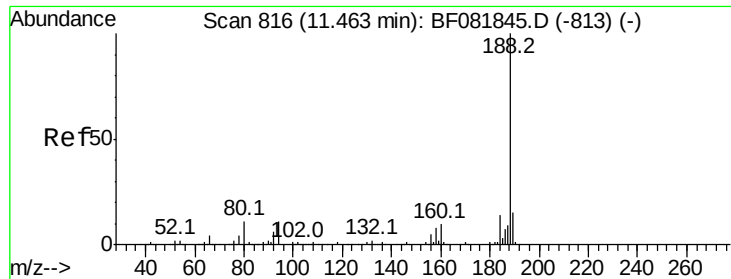
Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 674275 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 24.3  | 15.1  | 55.1   |
| 105       | 23.5  | 3.4   | 43.4   |
| 51        | 30.2  | 12.0  | 52.0   |





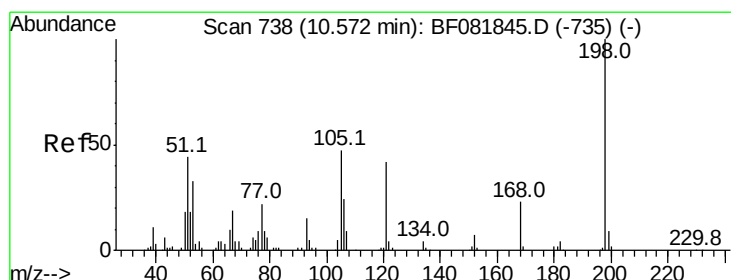
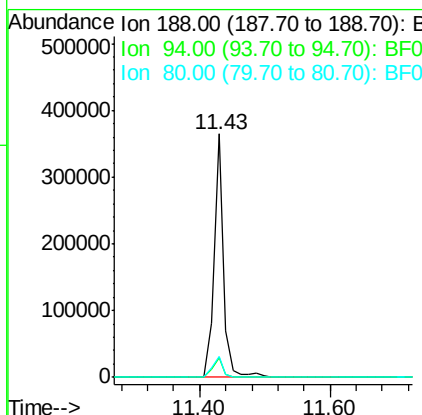
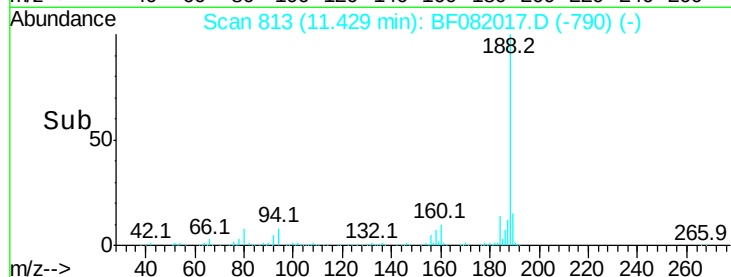
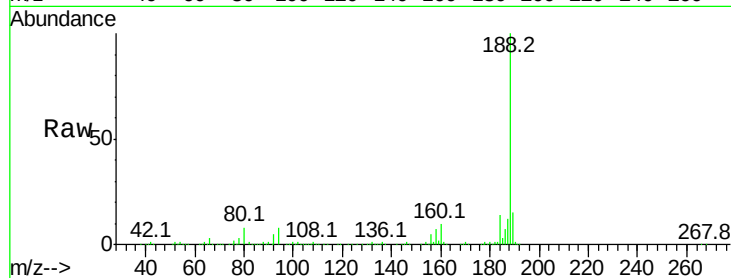
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.43 min Scan# 813  
Delta R.T. -0.03 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF001-01MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 8.2   | 11.1 | 16.7# |       |
| 80      | 8.4   | 11.0 | 16.4# |       |

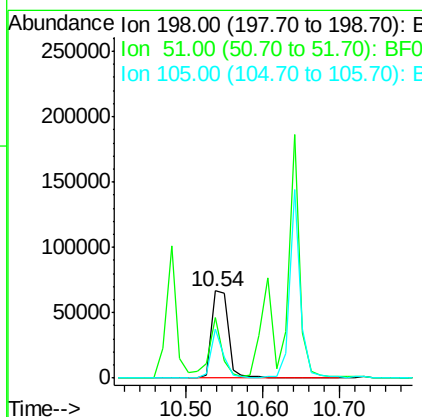
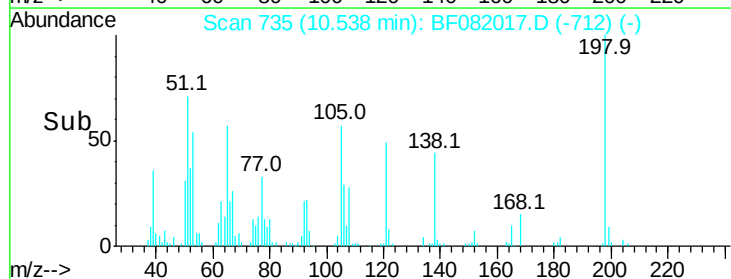
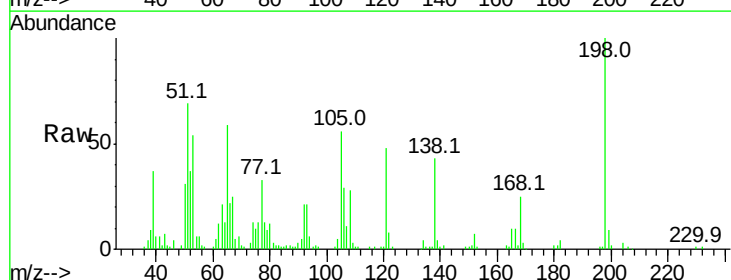
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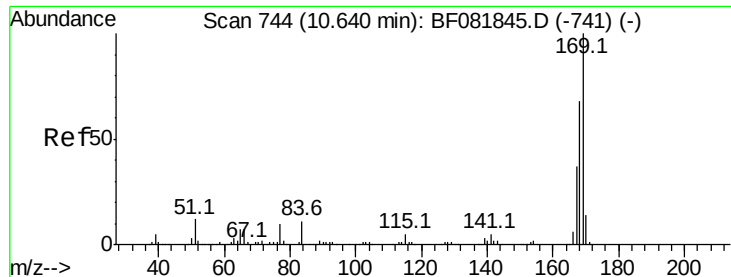
MMDADODA  
10/5/2015 6:29:15 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 56.94 ng  
RT: 10.54 min Scan# 735  
Delta R.T. -0.03 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 198     | 100   |      |       |       |
| 51      | 69.5  | 39.6 | 79.6  |       |
| 105     | 56.2  | 28.5 | 68.5  |       |





#65

n-Nitrosodiphenylamine

Concen: 51.83 ng

RT: 10.61 min Scan# 741

Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

ClientSampleId :

P001-BF001-01MS

Tot Ion:169 Resp: 591990

Ion Ratio Lower Upper

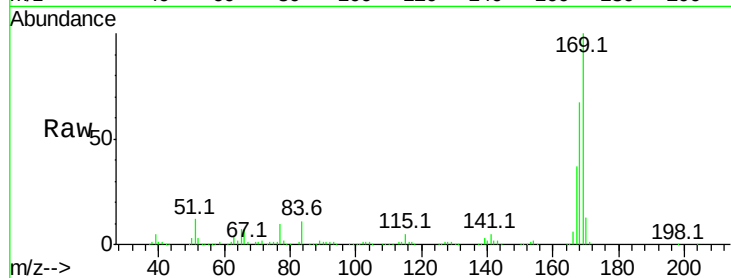
169 100

168 67.1 48.9 73.3

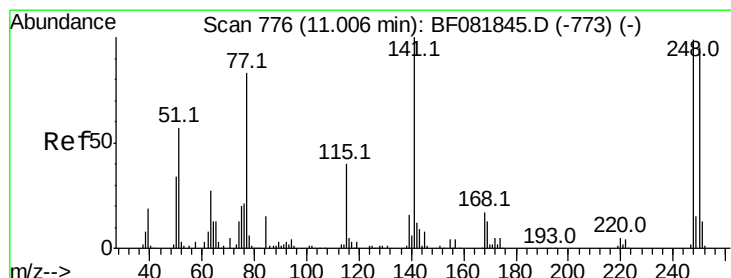
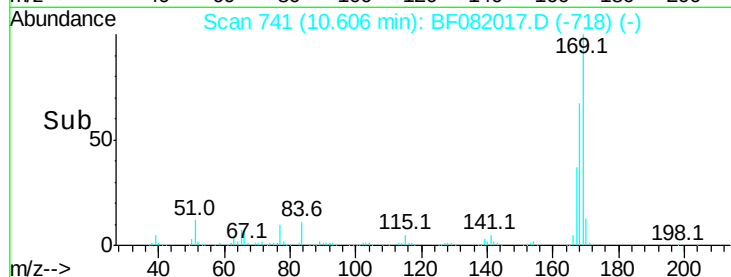
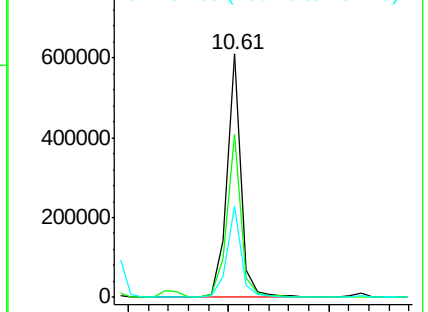
167 37.5 26.2 39.4

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10/5/2015 6:29:15 PM



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: 55.59 ng

RT: 10.97 min Scan# 773

Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

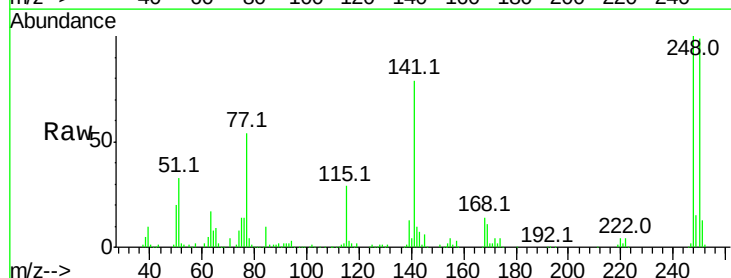
Tgt Ion:248 Resp: 211576

Ion Ratio Lower Upper

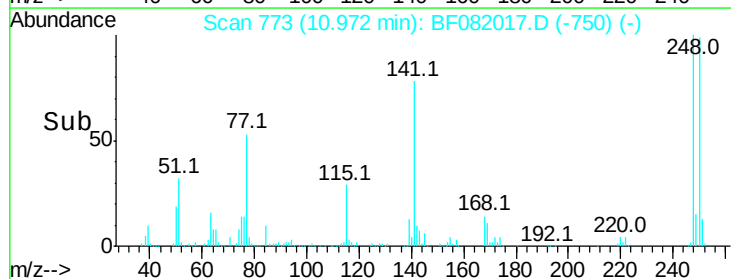
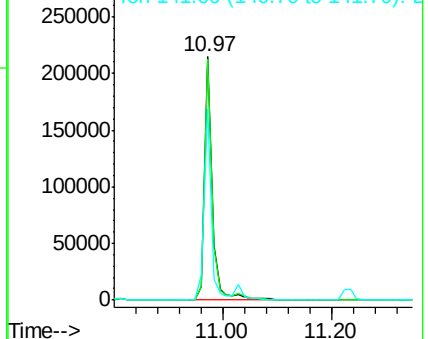
248 100

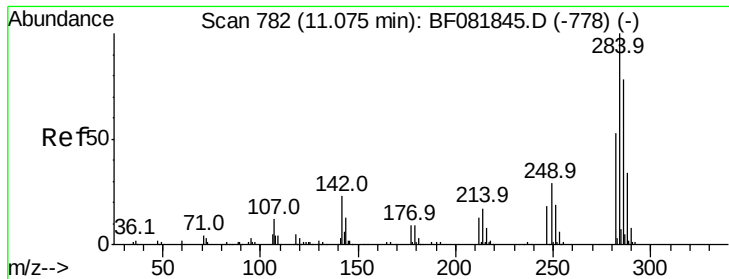
250 99.0 78.5 117.7

141 78.7 59.0 88.6



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: 47.37 ng

RT: 11.03 min Scan# 778

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

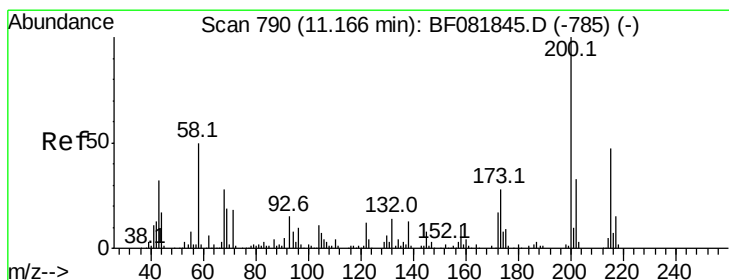
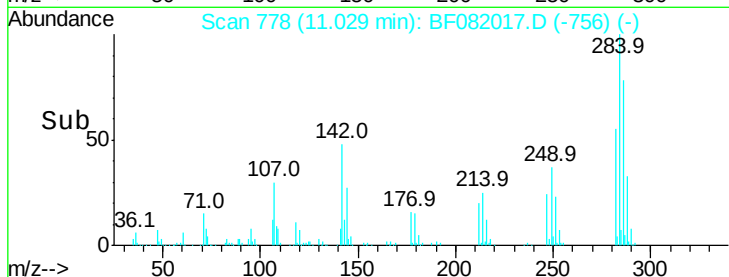
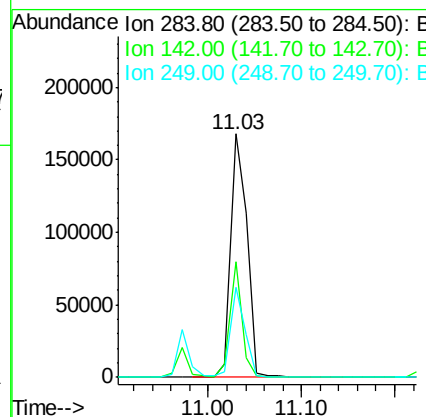
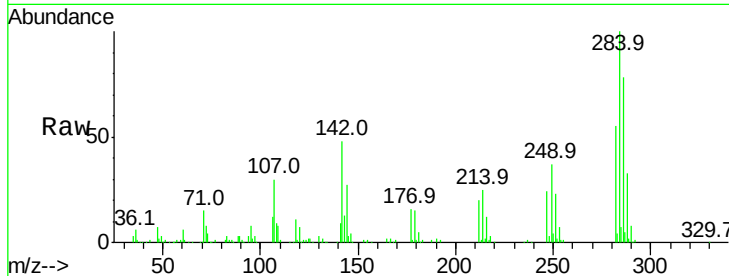
ClientSampleId :

P001-BF001-01MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 203492 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 47.6  | 29.5  | 44.3#  |
| 249       | 37.2  | 19.5  | 29.3#  |

Manual Integrations  
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MMDADODA  
10/5/2015 6:29:15 PM



#68

Atrazine

Concen: 51.61 ng

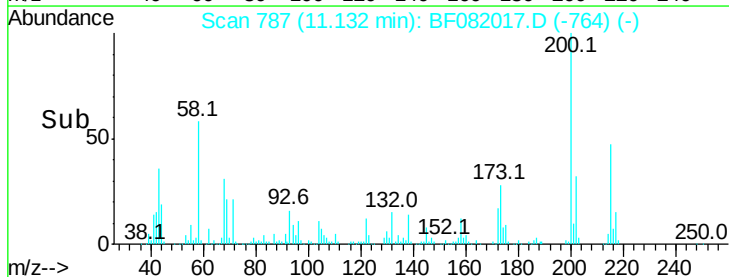
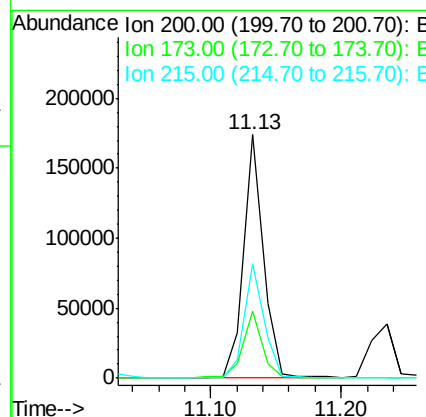
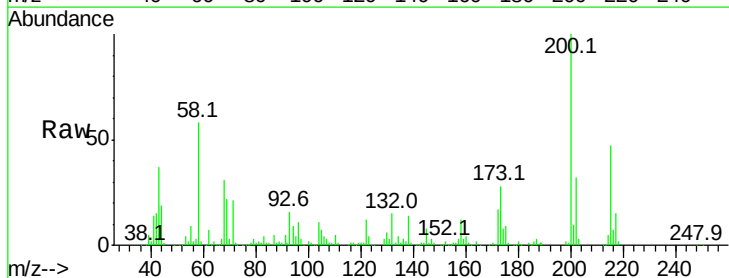
RT: 11.13 min Scan# 787

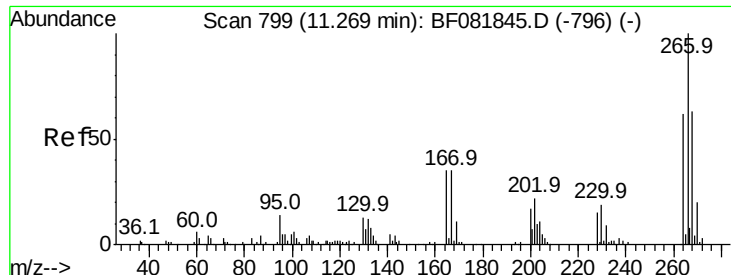
Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 182912 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 27.7  | 13.2  | 53.2   |
| 215       | 46.7  | 41.8  | 81.8   |





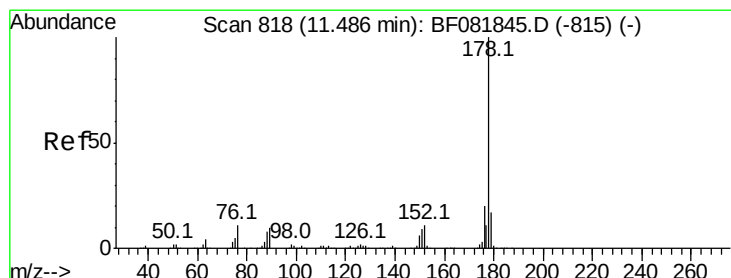
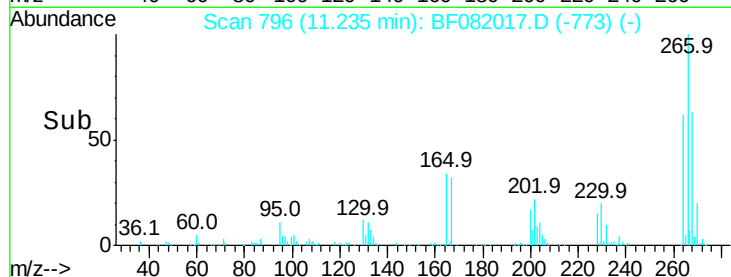
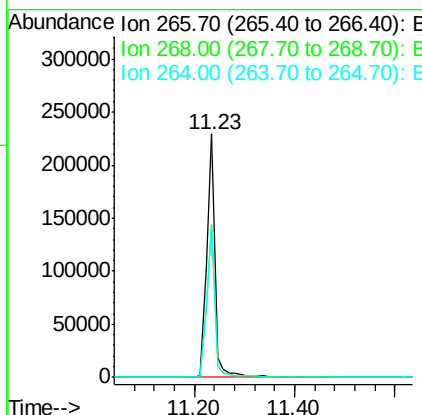
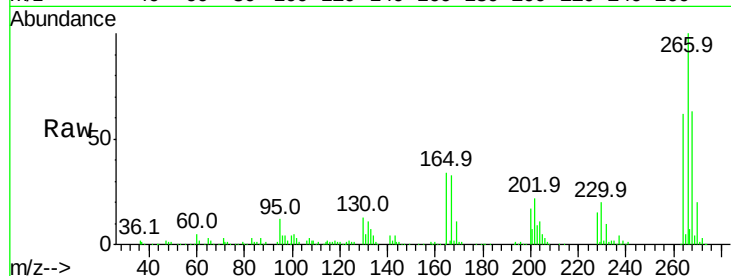
#69  
 Pentachlorophenol  
 Concen: 107.79 ng  
 RT: 11.23 min Scan# 796  
 Delta R.T. -0.03 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-01MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 263820 |       |       |
| 268     | 62.9  | 49.8   | 74.6  |       |
| 264     | 62.5  | 50.2   | 75.2  |       |

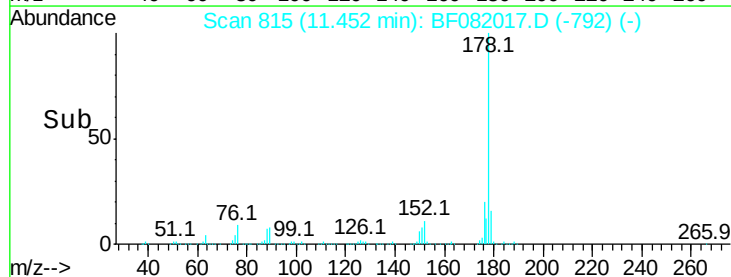
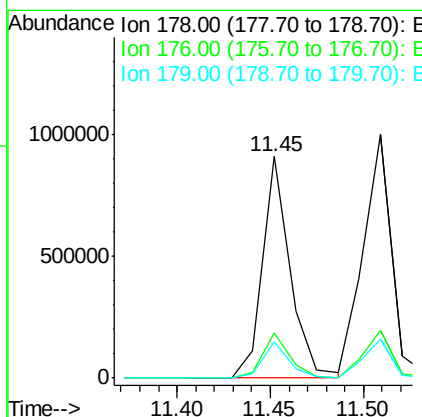
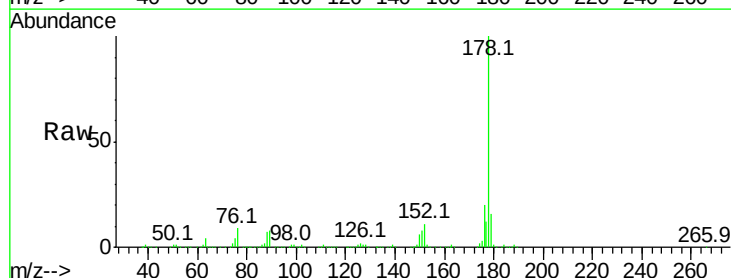
Manual Integrations  
 APPROVED

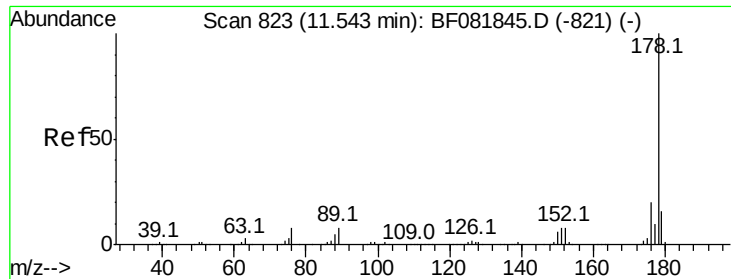
MMDADODA  
 10/5/2015 6:29:15 PM



#70  
 Phenanthrene  
 Concen: 51.23 ng  
 RT: 11.45 min Scan# 815  
 Delta R.T. -0.03 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 926399 |       |       |
| 176     | 20.2  | 13.8   | 20.8  |       |
| 179     | 16.2  | 12.2   | 18.2  |       |





#71  
 Anthracene  
 Concen: 57.18 ng  
 RT: 11.51 min Scan# 820  
 Delta R.T. -0.03 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

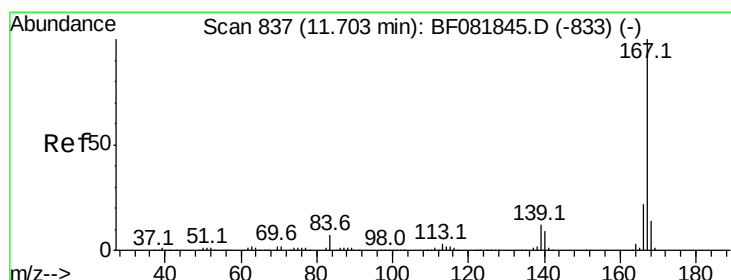
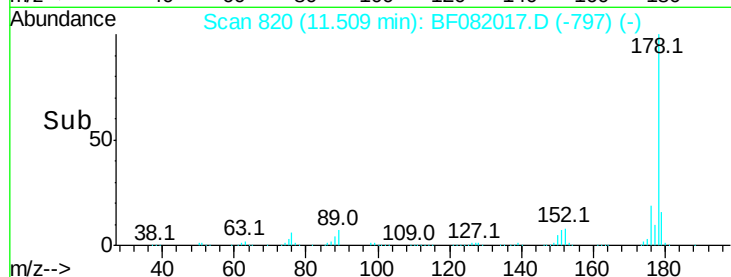
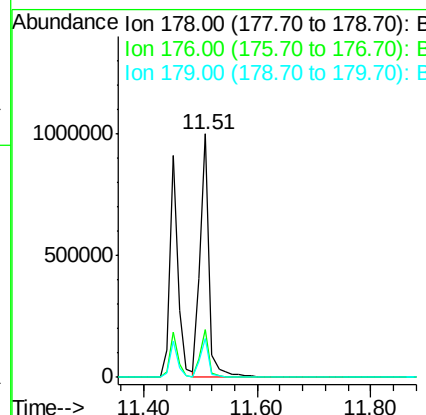
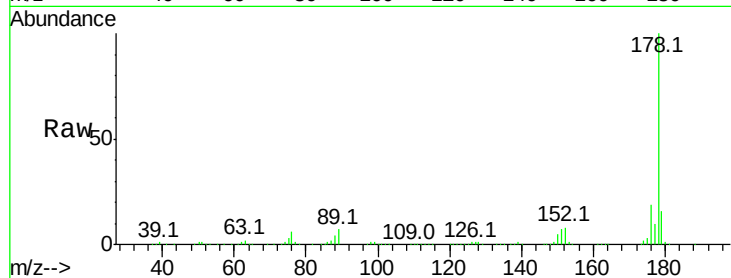
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-01MS

Tot Ion:178 Resp: 1097064  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.5  | 14.1  | 21.1  |
| 179 | 15.9  | 12.2  | 18.2  |

Manual Integrations  
 APPROVED

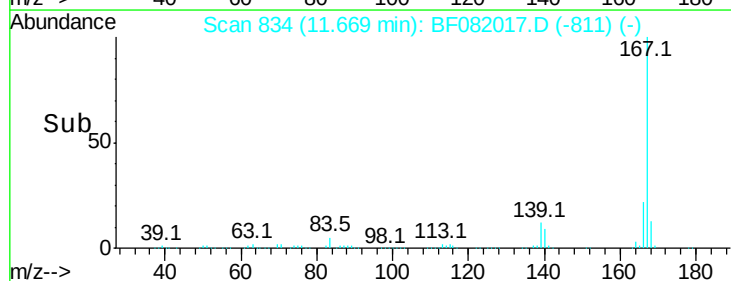
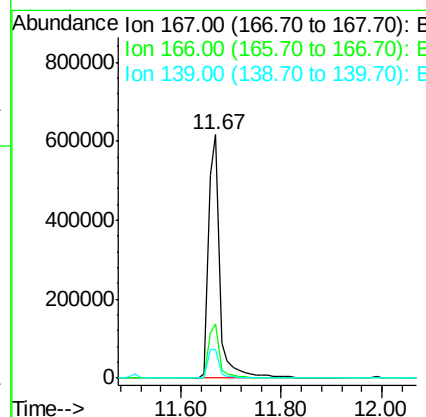
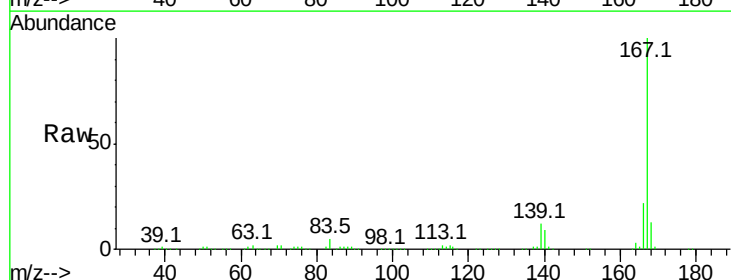
MMDADODA  
 10/5/2015 6:29:15 PM



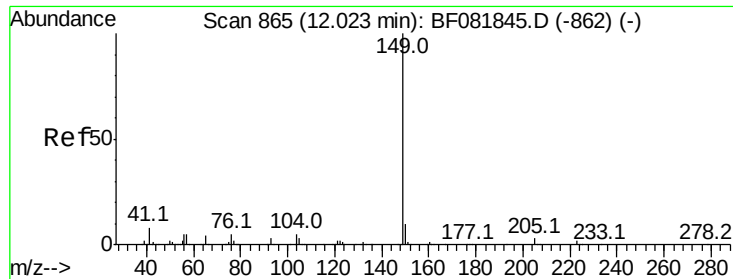
#72  
 Carbazole  
 Concen: 55.23 ng  
 RT: 11.67 min Scan# 834  
 Delta R.T. -0.03 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

Tgt Ion:167 Resp: 959045  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.1  | 15.7  | 23.5  |
| 139 | 11.9  | 9.5   | 14.3  |







#73

Di-n-butylphthalate

Concen: 57.90 ng

RT: 11.99 min Scan# 862

Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

ClientSampleId :

P001-BF001-01MS

Tot Ion:149 Resp: 1017179

Ion Ratio Lower Upper

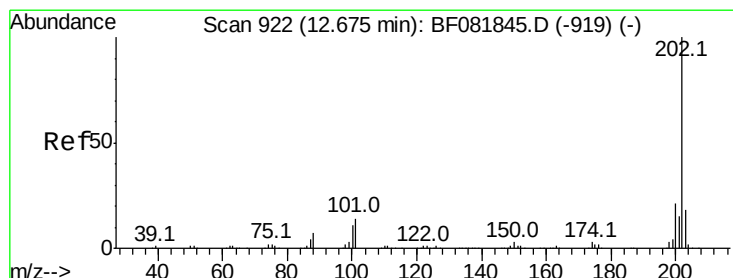
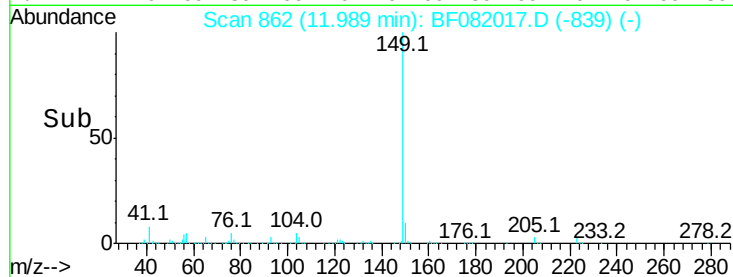
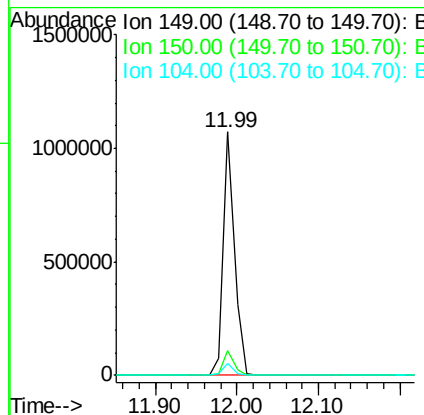
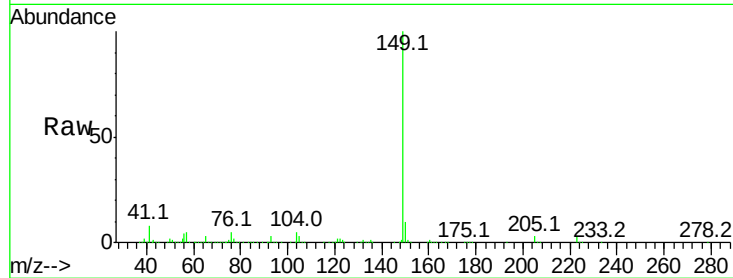
149 100

150 9.9 7.4 11.2

104 4.9 2.4 3.6#

Manual Integrations  
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#74

Fluoranthene

Concen: 49.80 ng

RT: 12.64 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

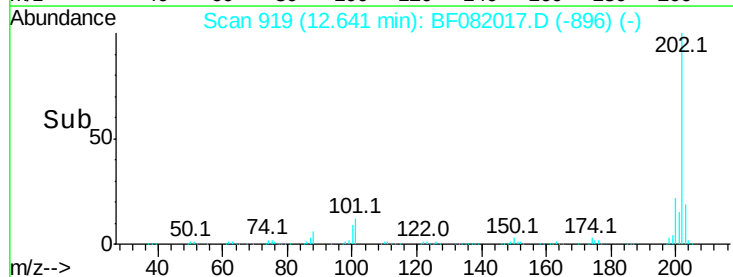
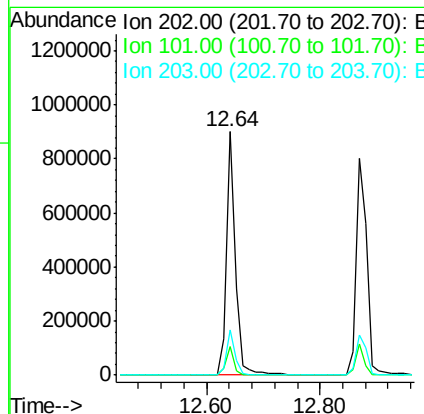
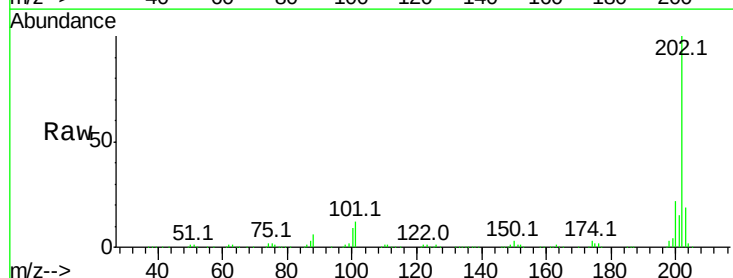
Tgt Ion:202 Resp: 1007018

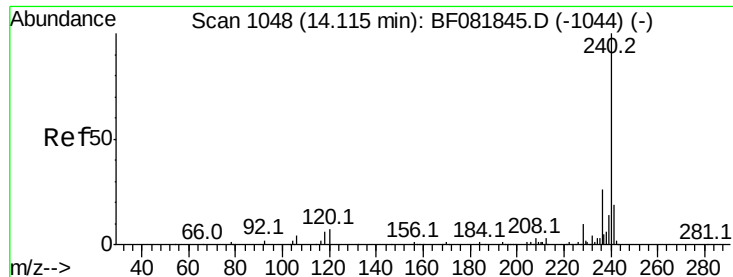
Ion Ratio Lower Upper

202 100

101 11.7 0.0 38.3

203 18.5 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

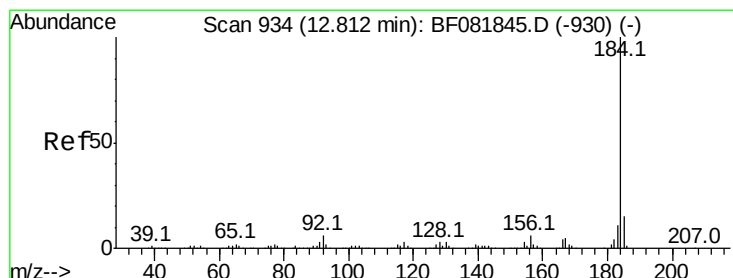
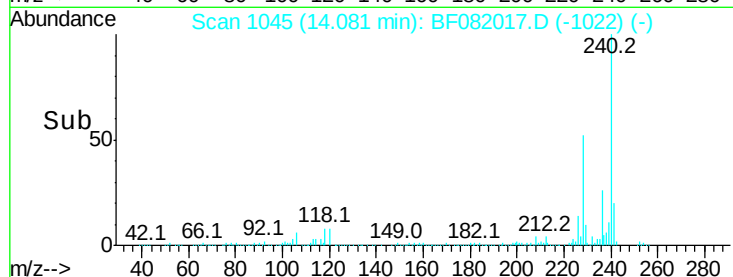
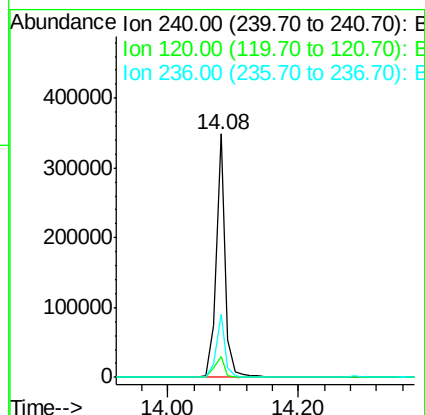
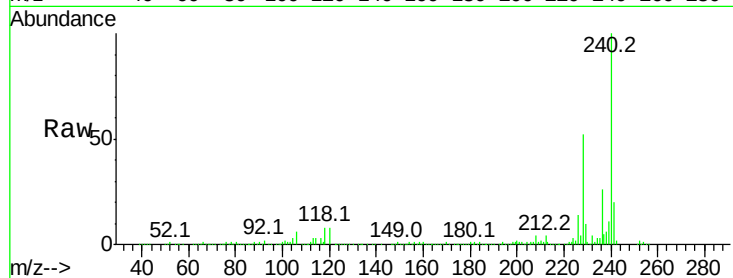
ClientSampleId :

P001-BF001-01MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 343922 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 8.5   | 16.2  | 24.2#  |
| 236       | 26.1  | 18.4  | 27.6   |

Manual Integrations  
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10/5/2015 6:29:15 PM



#76

Benzidine

Concen: 8.21 ng

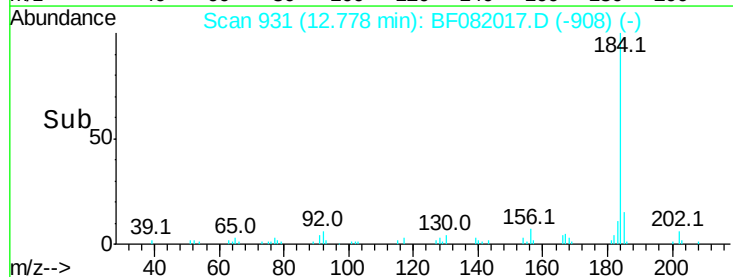
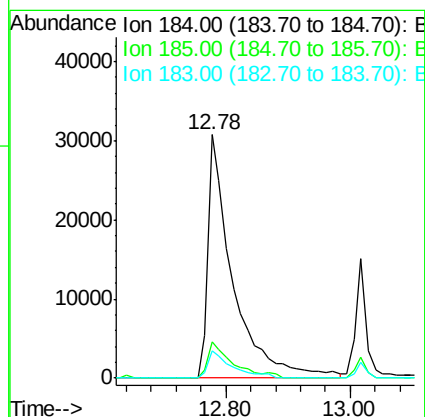
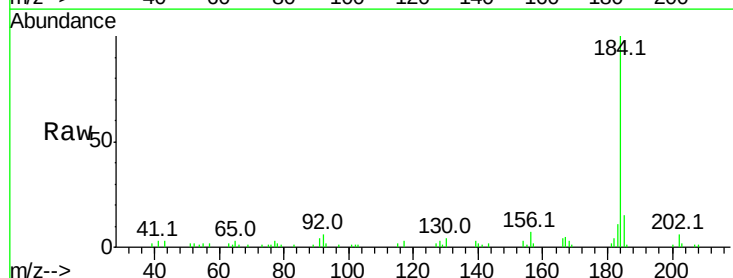
RT: 12.78 min Scan# 931

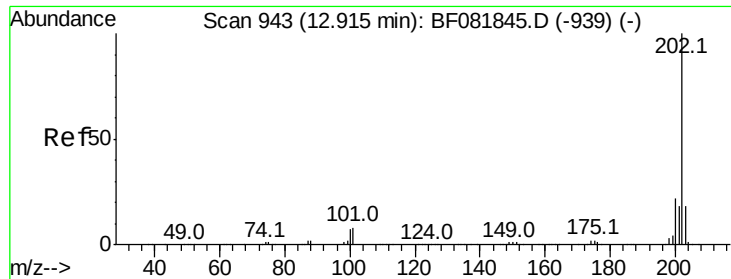
Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 85031 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 15.1  | 11.8  | 17.6  |
| 183       | 11.0  | 7.6   | 11.4  |





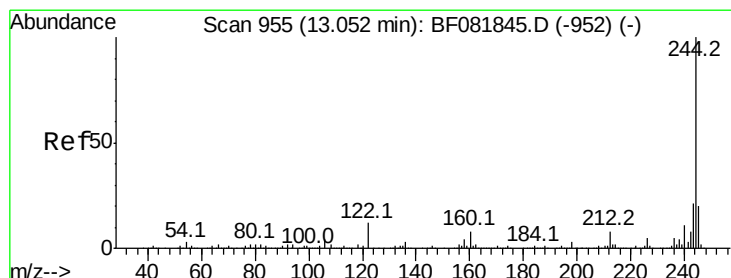
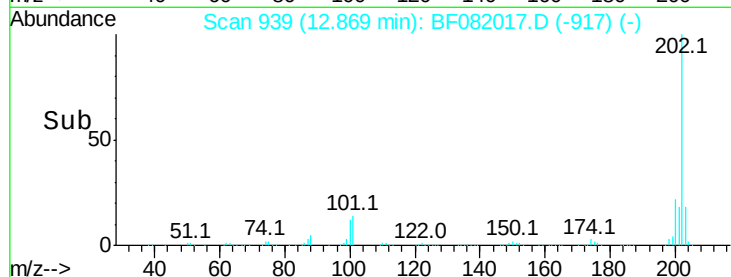
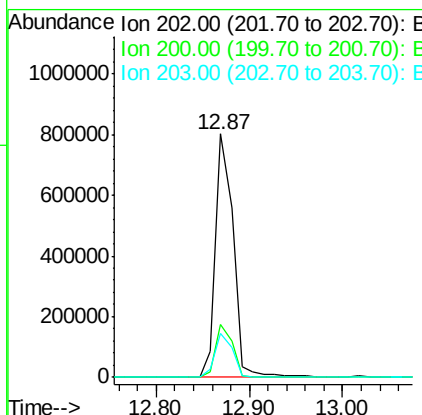
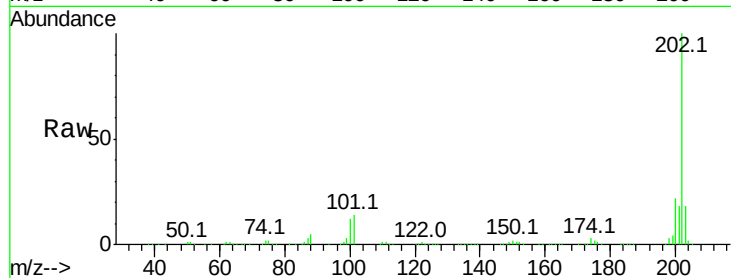
#77  
Pvrene  
Concen: 50.92 ng  
RT: 12.87 min Scan# 939  
Delta R.T. -0.05 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF001-01MS

Tot Ion:202 Resp: 1046220  
Ion Ratio Lower Upper  
202 100  
200 21.8 15.0 22.4  
203 18.3 14.1 21.1

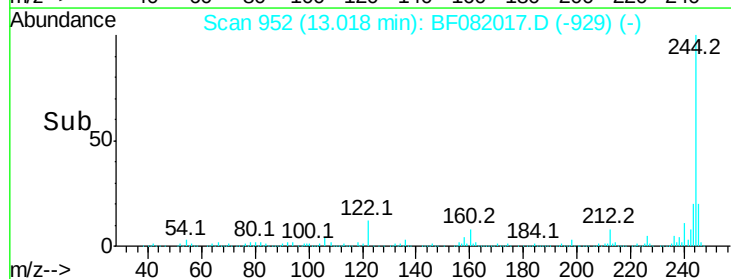
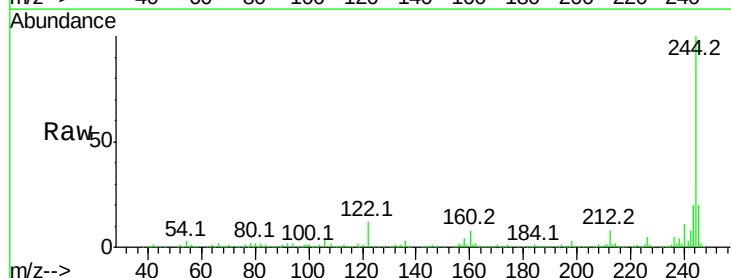
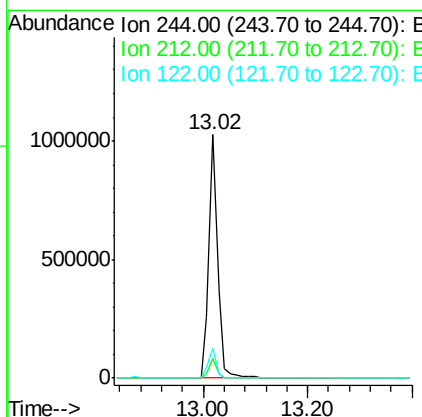
Manual Integrations  
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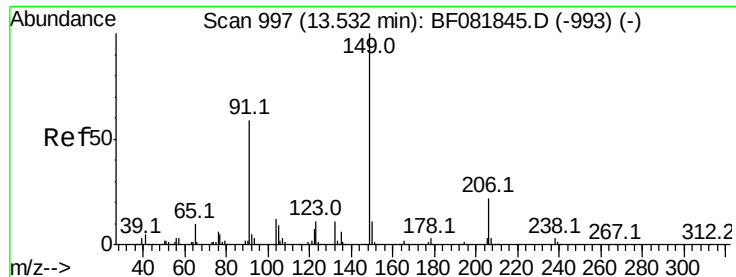
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#78  
Terphenyl-d14  
Concen: 134.92 ng  
RT: 13.02 min Scan# 952  
Delta R.T. -0.03 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

Tgt Ion:244 Resp: 1211847  
Ion Ratio Lower Upper  
244 100  
212 7.8 4.3 6.5#  
122 12.0 17.4 26.2#





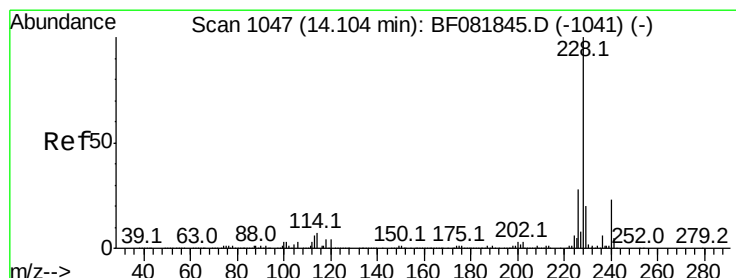
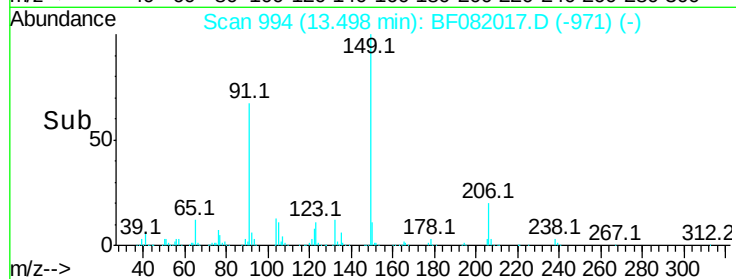
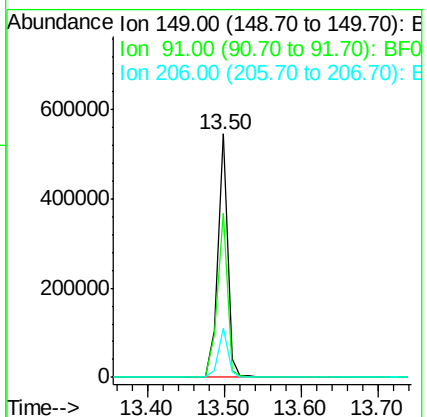
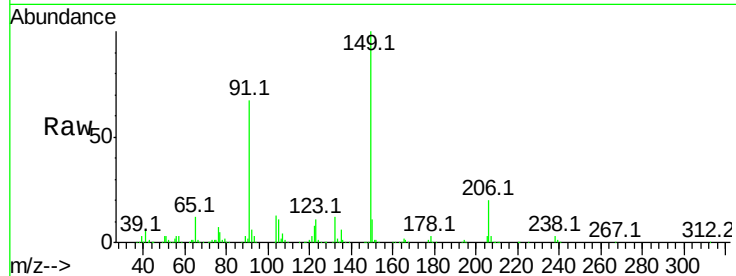
#79  
Butylbenzylphthalate  
Concen: 62.95 ng  
RT: 13.50 min Scan# 994  
Delta R.T. -0.03 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF001-01MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 91      | 67.3  | 48.6       | 72.8  |
| 206     | 20.3  | 14.9       | 22.3  |

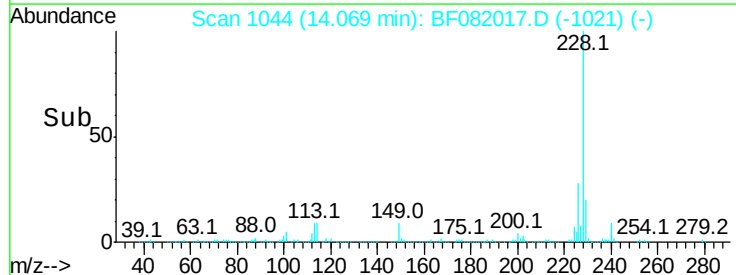
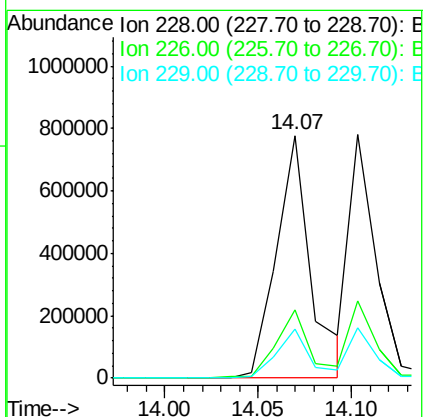
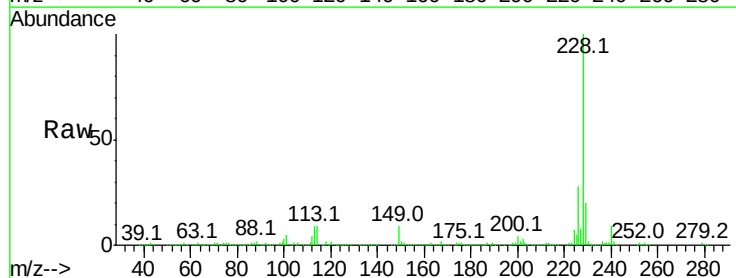
Manual Integrations  
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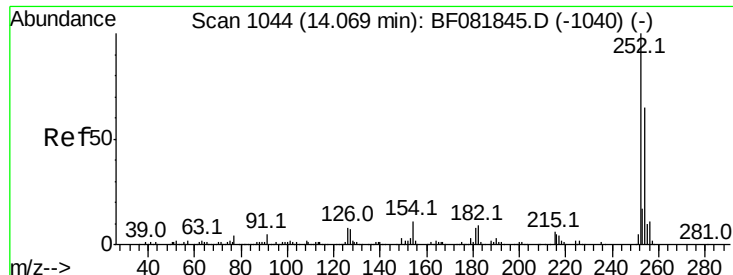
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10/5/2015 6:29:15 PM



#80  
Benzo(a)anthracene  
Concen: 53.94 ng  
RT: 14.07 min Scan# 1044  
Delta R.T. -0.03 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 28.3  | 20.0       | 30.0  |
| 229     | 20.5  | 15.4       | 23.2  |





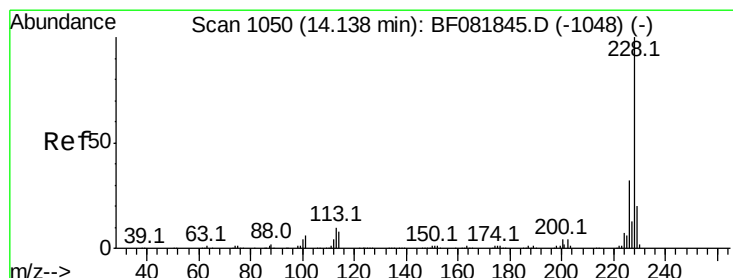
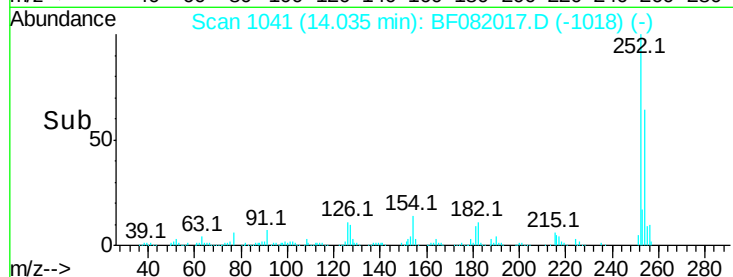
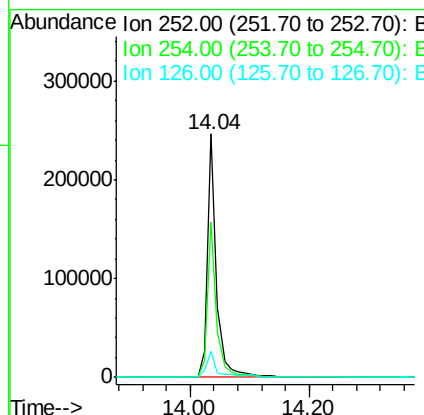
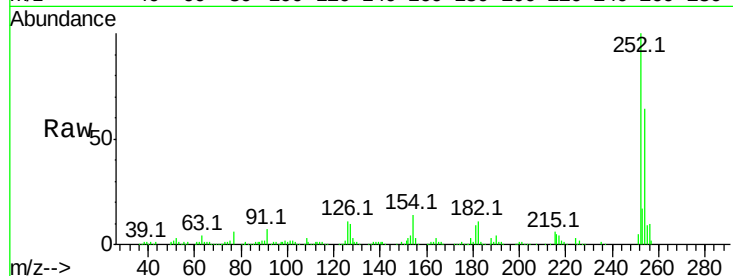
#81  
 3,3'-Dichlorobenzidine  
 Concen: 42.65 ng  
 RT: 14.04 min Scan# 1041  
 Delta R.T. -0.03 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-01MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 63.8  | 51.4       | 77.2  |
| 126     | 10.6  | 16.4       | 24.6# |

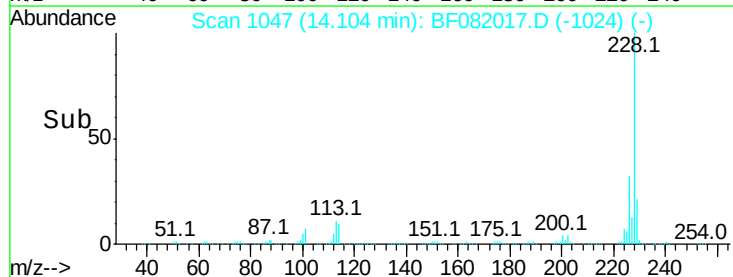
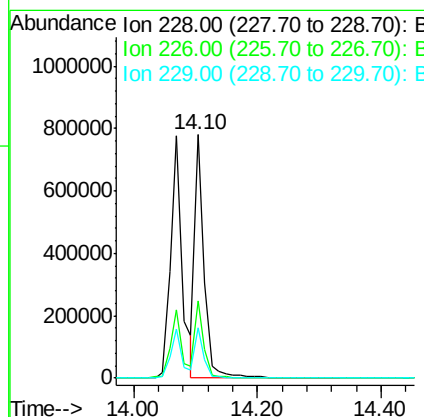
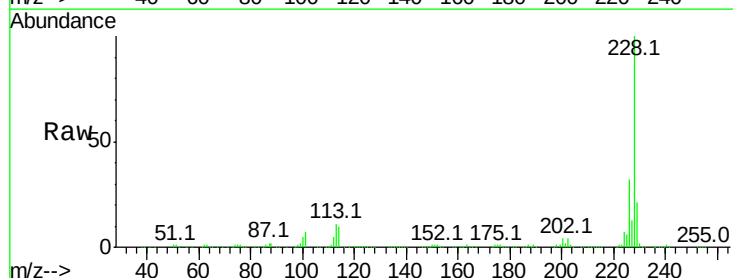
Manual Integrations  
 APPROVED

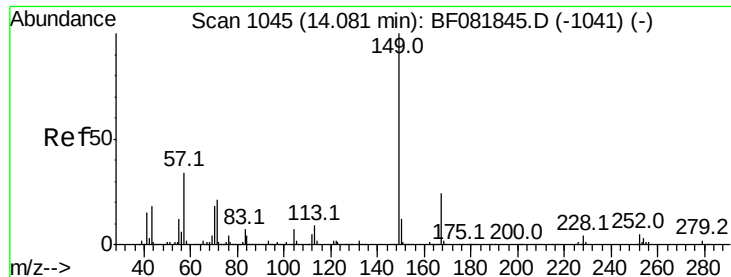
MMDADODA  
 10/5/2015 6:29:15 PM



#82  
 Chrysene  
 Concen: Below Cal m  
 RT: 14.10 min Scan# 1047  
 Delta R.T. -0.03 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 31.6  | 21.0       | 31.4# |
| 229     | 20.7  | 15.6       | 23.4  |





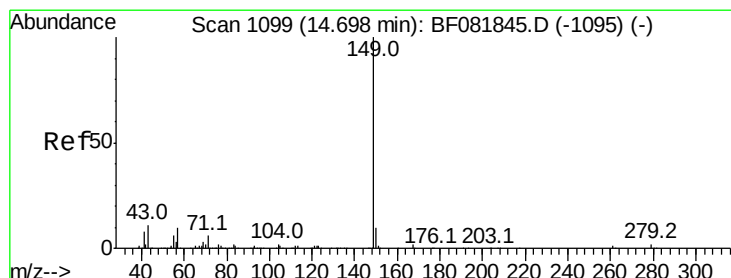
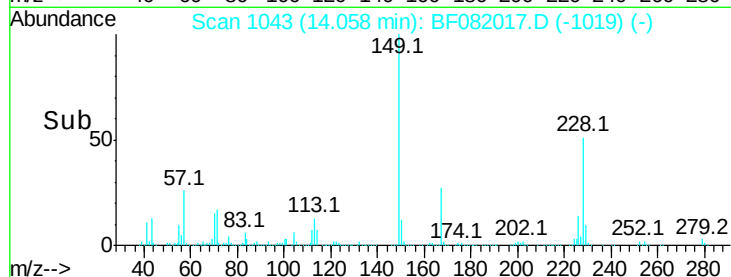
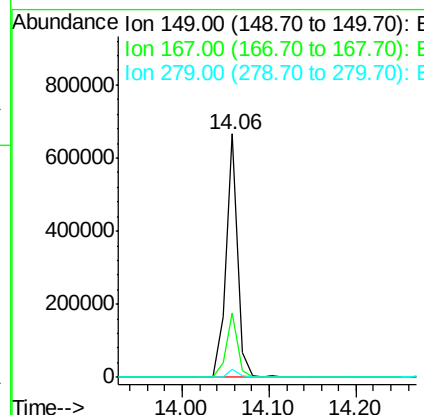
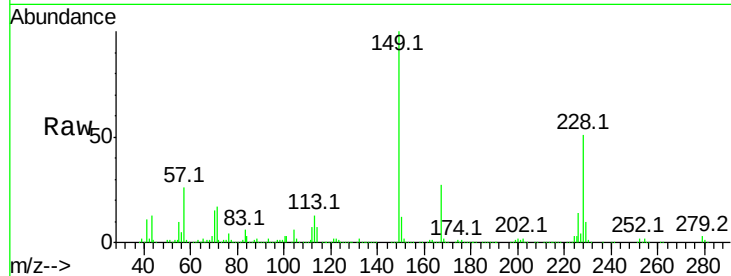
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 64.63 ng  
 RT: 14.06 min Scan# 1043  
 Delta R.T. -0.02 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-01MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 26.5  | 24.2 | 36.2  |       |
| 279     | 3.1   | 3.8  | 5.6   |       |

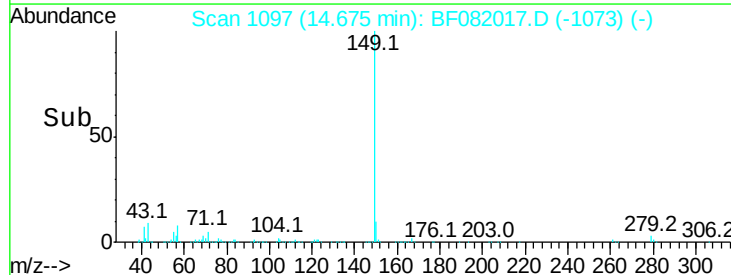
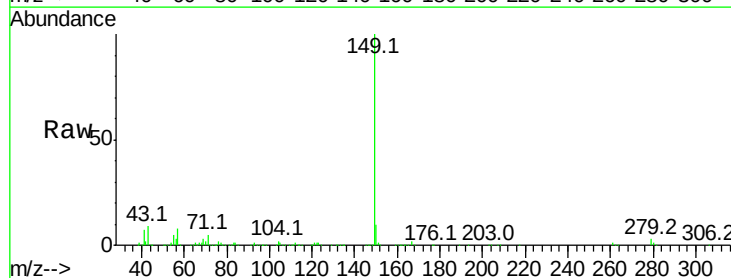
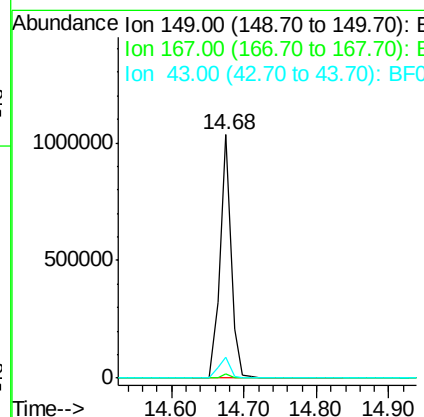
Manual Integrations  
 APPROVED

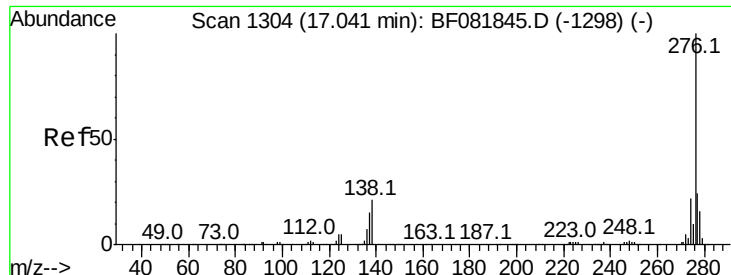
MMDADODA  
 10/5/2015 6:29:15 PM



#84  
 Di-n-octyl phthalate  
 Concen: 69.48 ng  
 RT: 14.68 min Scan# 1097  
 Delta R.T. -0.02 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 1.5   | 1.0  | 1.6   |       |
| 43      | 9.1   | 10.2 | 15.2  |       |





#85

Indeno(1,2,3-cd)pyrene

Concen: 54.07 ng

RT: 17.00 min Scan# 1300

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

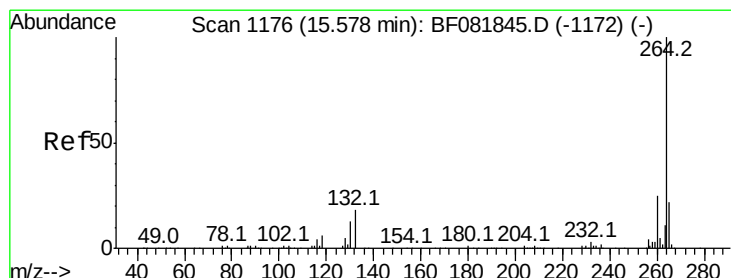
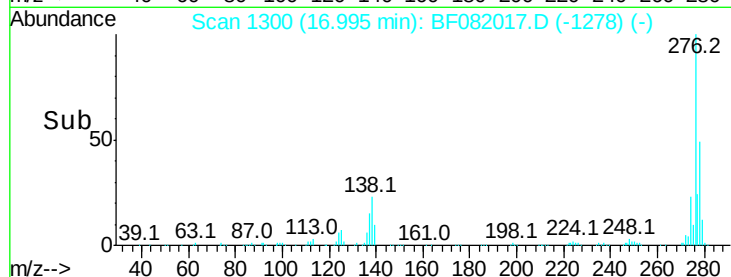
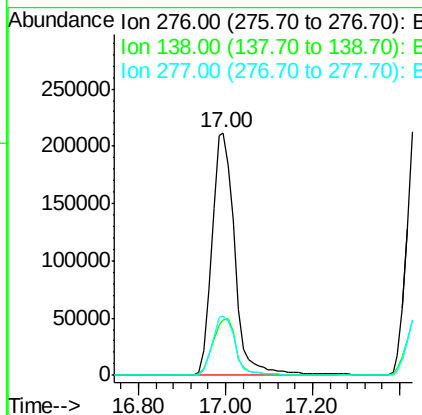
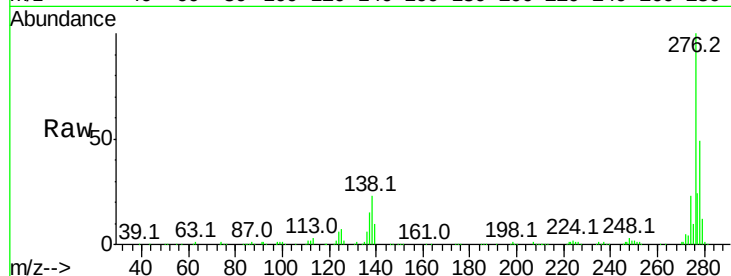
ClientSampleId :

P001-BF001-01MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 783381 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 24.4  | 25.7  | 38.5#  |
| 277       | 24.9  | 15.6  | 23.4#  |

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#86

Perylene-d12

Concen: 20.00 ng

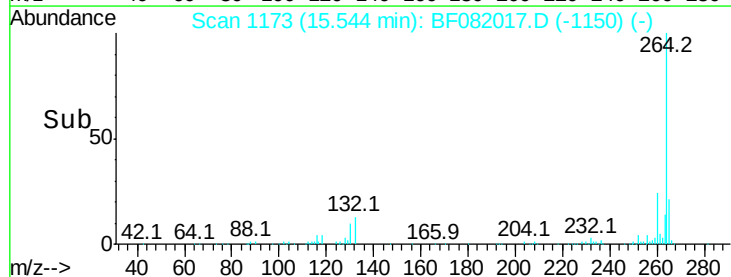
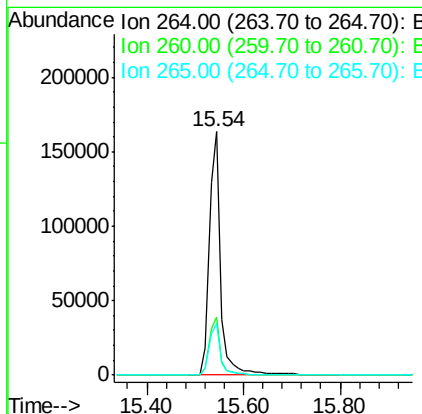
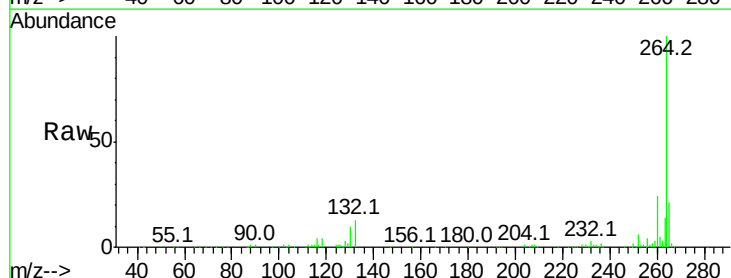
RT: 15.54 min Scan# 1173

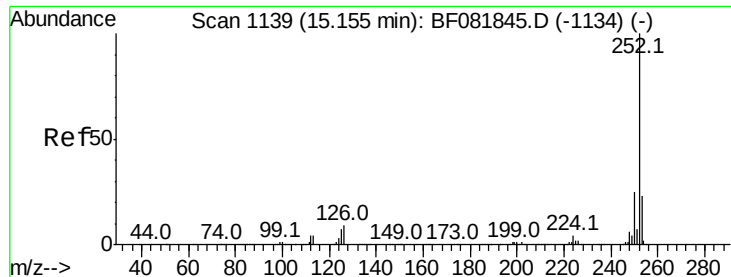
Delta R.T. -0.03 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 268867 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.9  | 16.7  | 25.1   |
| 265       | 21.4  | 17.2  | 25.8   |





#87

Benzo(b)fluoranthene

Concen: 61.53 ng m

RT: 15.11 min Scan# 1135

Delta R.T. -0.05 min

Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

Instrument :

BNA\_F

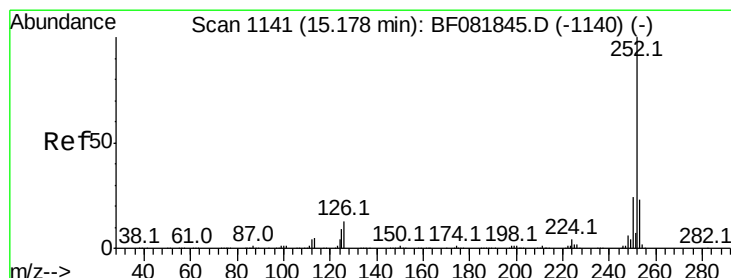
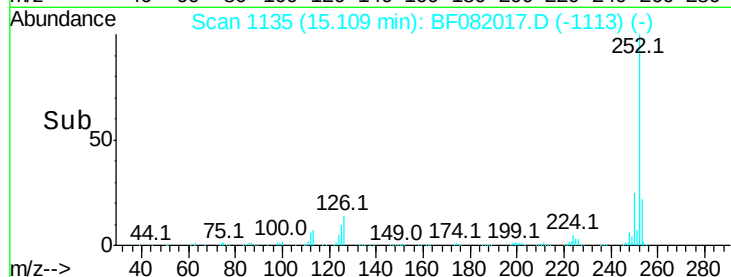
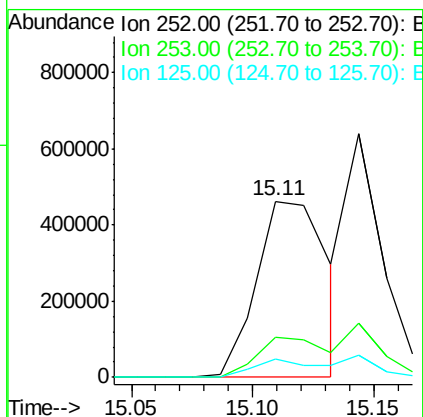
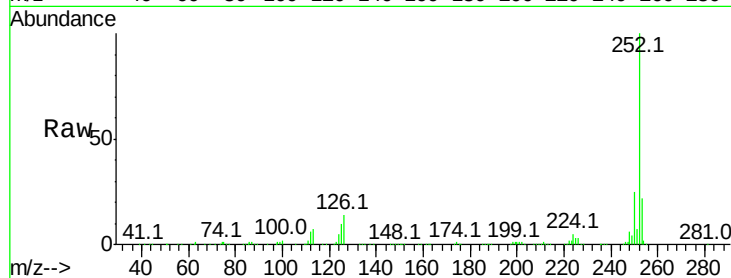
ClientSampleId :

P001-BF001-01MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 944458 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.4  | 17.5  | 26.3   |
| 125       | 10.4  | 17.1  | 25.7#  |

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#88

Benzo(k)fluoranthene

Concen: 51.51 ng m

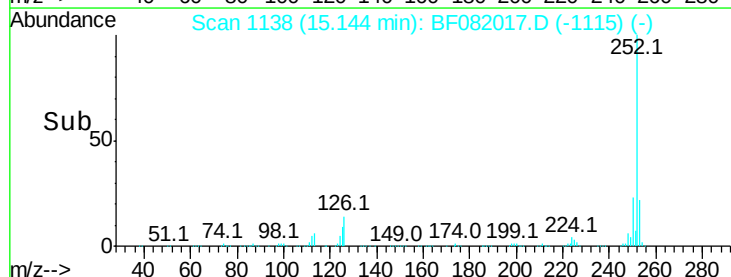
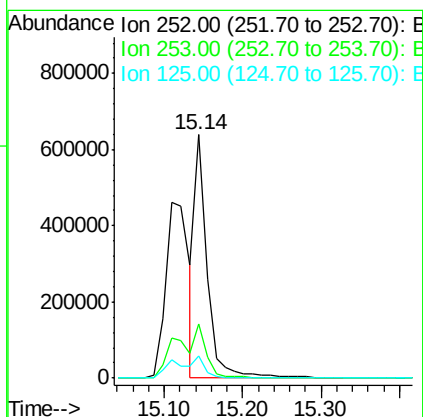
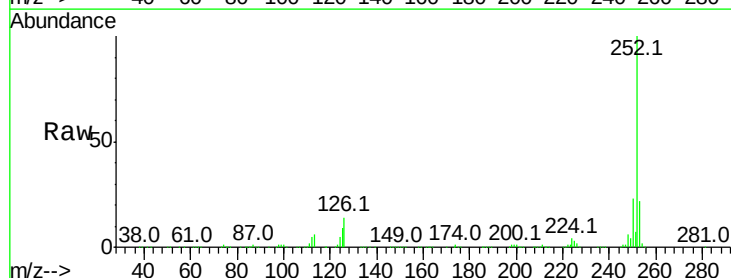
RT: 15.14 min Scan# 1138

Delta R.T. -0.03 min

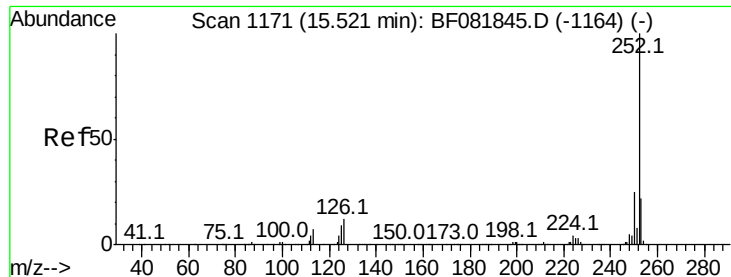
Lab File: BF082017.D

Acq: 3 Oct 2015 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 724668 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.2  | 17.0  | 25.4   |
| 125       | 9.3   | 16.0  | 24.0#  |







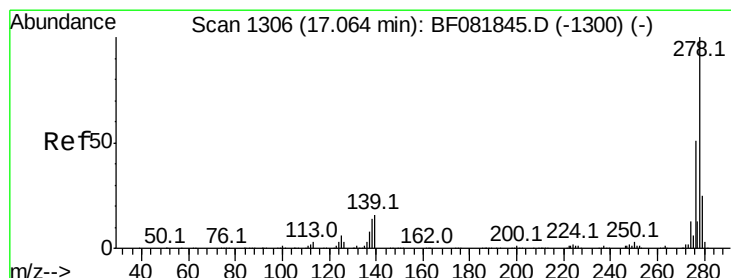
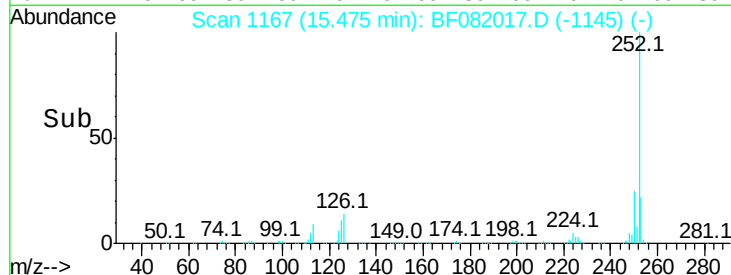
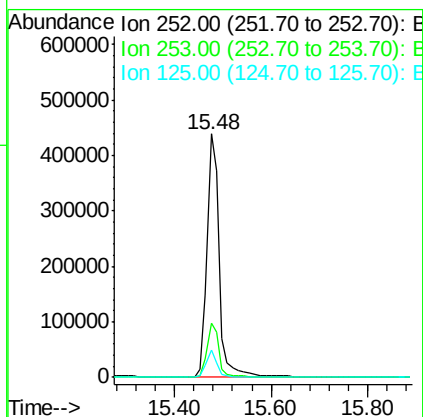
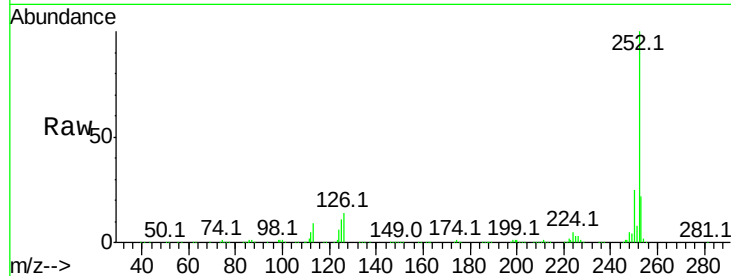
#89  
Benzo(a)pyrene  
Concen: 58.11 ng  
RT: 15.48 min Scan# 1167  
Delta R.T. -0.05 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF001-01MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.2  | 17.2       | 25.8  |
| 125     | 11.0  | 18.0       | 27.0  |

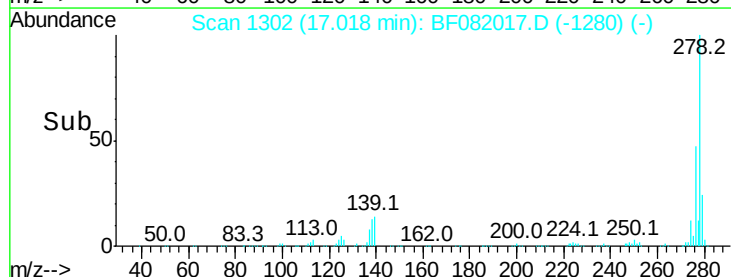
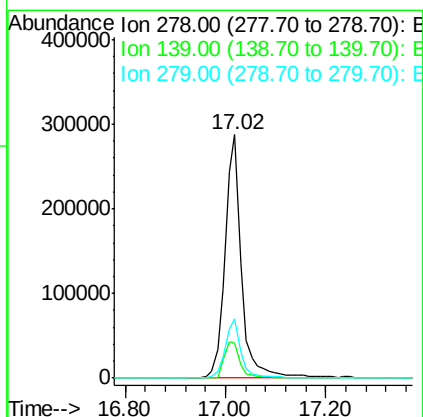
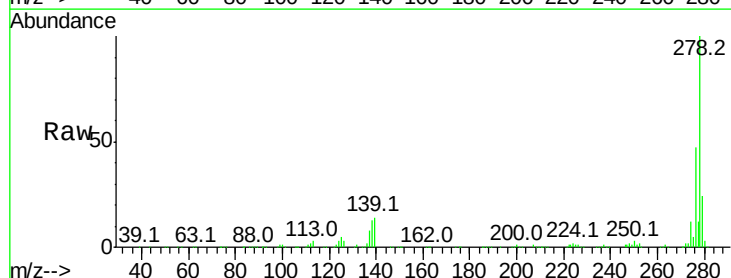
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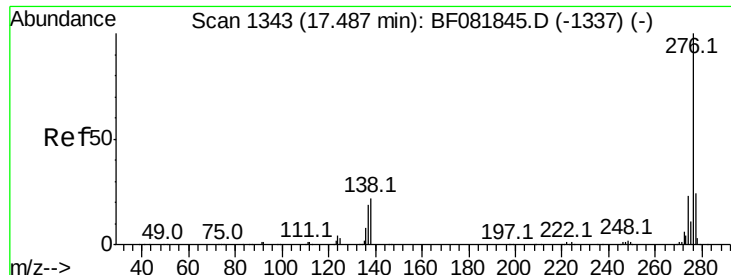
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#90  
Dibenzo(a,h)anthracene  
Concen: 58.53 ng  
RT: 17.02 min Scan# 1302  
Delta R.T. -0.05 min  
Lab File: BF082017.D  
Acq: 3 Oct 2015 11:30

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 278     | 100   |            |       |
| 139     | 14.3  | 26.3       | 39.5  |
| 279     | 24.4  | 18.2       | 27.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 55.64 ng  
 RT: 17.44 min Scan# 1339  
 Delta R.T. -0.05 min  
 Lab File: BF082017.D  
 Acq: 3 Oct 2015 11:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF001-01MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 17.8  | 26.6  |
| 138     | 20.6  | 34.6  | 51.8# |

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