

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\  
 Data File : BF084905.D  
 Acq On : 6 Feb 2016 12:12  
 Operator : SJ/IZ  
 Sample : PB88196BS  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88196BS

Manual Integrations  
 APPROVED

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 2/8/2016 3:04:33 PM

Quant Time: Feb 08 01:34:27 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 03 14:16:01 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.66  | 152  | 158112   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.95  | 136  | 678386   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.70  | 164  | 301255   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 11.17 | 188  | 494333   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 13.80 | 240  | 295353   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 15.17 | 264  | 305894   | 20.00 | ng    | -0.03    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.26  | 112 | 1256932 | 123.82 | ng | -0.01 |
| 7) Phenol-d6                | 6.32  | 99  | 1458838 | 115.92 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.23  | 82  | 940297  | 78.08  | ng | -0.03 |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330 | 310904  | 98.94  | ng | -0.03 |
| 44) 2-Fluorobiphenyl        | 9.02  | 172 | 1584244 | 90.54  | ng | -0.03 |
| 78) Terphenyl-d14           | 12.76 | 244 | 1163795 | 89.29  | ng | -0.03 |

|                                |      |     |         |       |    |        |
|--------------------------------|------|-----|---------|-------|----|--------|
| Target Compounds               |      |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.21 | 88  | 143822  | 32.35 | ng | # 74   |
| 3) Pyridine                    | 2.85 | 79  | 469474  | 40.52 | ng | # 73   |
| 4) n-Nitrosodimethylamine      | 2.82 | 42  | 240643  | 40.16 | ng | # 87   |
| 6) Aniline                     | 6.33 | 93  | 462772  | 30.05 | ng | # 64   |
| 8) 2-Chlorophenol              | 6.45 | 128 | 457567  | 39.82 | ng | # 92   |
| 9) Benzaldehyde                | 6.20 | 77  | 168760  | 22.71 | ng | # 98   |
| 10) Phenol                     | 6.33 | 94  | 476834  | 33.82 | ng | # 49   |
| 11) bis(2-Chloroethyl)ether    | 6.41 | 93  | 442654  | 40.27 | ng | # 86   |
| 12) 1,3-Dichlorobenzene        | 6.60 | 146 | 487221  | 40.13 | ng | # 98   |
| 13) 1,4-Dichlorobenzene        | 6.68 | 146 | 497353  | 40.98 | ng | # 93   |
| 14) 1,2-Dichlorobenzene        | 6.83 | 146 | 427256  | 37.80 | ng | # 97   |
| 15) Benzyl Alcohol             | 6.82 | 79  | 387100  | 44.55 | ng | # 92   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.96 | 45  | 719102  | 38.89 | ng | # 88   |
| 17) 2-Methylphenol             | 6.94 | 107 | 380408  | 41.86 | ng | # 93   |
| 18) Hexachloroethane           | 7.17 | 117 | 182233  | 38.99 | ng | # 96   |
| 19) n-Nitroso-di-n-propylamine | 7.09 | 70  | 329269  | 41.74 | ng | # 78   |
| 20) 3+4-Methylphenols          | 7.09 | 107 | 456128  | 40.44 | ng | # 83   |
| 22) Acetophenone               | 7.08 | 105 | 638226  | 35.70 | ng | # 98   |
| 24) Nitrobenzene               | 7.25 | 77  | 490496  | 38.04 | ng | # 97   |
| 25) Isophorone                 | 7.49 | 82  | 859356  | 36.70 | ng | # 97   |
| 26) 2-Nitrophenol              | 7.57 | 139 | 259793  | 40.85 | ng | # 94   |
| 27) 2,4-Dimethylphenol         | 7.62 | 122 | 386206  | 34.91 | ng | # 94   |
| 28) bis(2-Chloroethoxy)methane | 7.71 | 93  | 506912  | 36.49 | ng | # 99   |
| 29) 2,4-Dichlorophenol         | 7.81 | 162 | 353276  | 37.32 | ng | # 94   |
| 30) 1,2,4-Trichlorobenzene     | 7.89 | 180 | 395494  | 36.99 | ng | # 96   |
| 31) Naphthalene                | 7.97 | 128 | 1337063 | 39.29 | ng | # 100  |
| 32) Benzoic acid               | 7.77 | 122 | 247163  | 34.93 | ng | # 96   |
| 33) 4-Chloroaniline            | 8.03 | 127 | 318012  | 22.60 | ng | # 93   |
| 34) Hexachlorobutadiene        | 8.09 | 225 | 220354  | 35.74 | ng | # 97   |
| 35) Caprolactam                | 8.41 | 113 | 114871m | 39.37 | ng | # 96   |
| 36) 4-Chloro-3-methylphenol    | 8.52 | 107 | 399261  | 36.97 | ng | # 96   |
| 37) 2-Methylnaphthalene        | 8.66 | 142 | 798769  | 37.51 | ng | # 96   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.83 | 216 | 379277  | 39.64 | ng | # 99   |
| 40) Hexachlorocyclopentadiene  | 8.82 | 237 | 231364  | 60.81 | ng | # 98   |

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 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88196BS

Manual Integrations  
 APPROVED

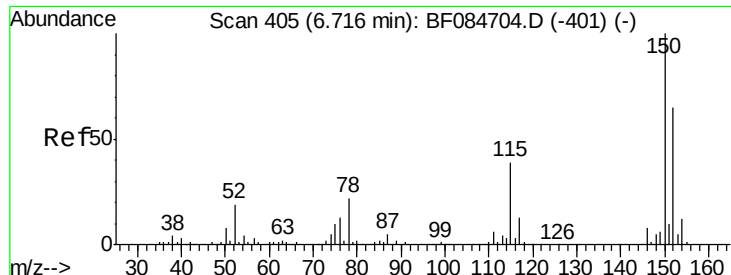
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 2/8/2016 3:04:33 PM

Quant Time: Feb 08 01:34:27 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 03 14:16:01 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.94  | 196  | 234352   | 38.02 | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 8.99  | 196  | 245103   | 39.14 | nq #  | 86       |
| 45) 1,1'-Biphenyl              | 9.13  | 154  | 1016292  | 37.77 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.15  | 162  | 787520   | 39.74 | nq    | 93       |
| 47) 2-Nitroaniline             | 9.25  | 65   | 269507   | 42.95 | nq    | 93       |
| 48) Acenaphthylene             | 9.56  | 152  | 1168336  | 38.85 | nq    | 98       |
| 49) Dimethylphthalate          | 9.44  | 163  | 847078   | 36.92 | nq #  | 89       |
| 50) 2,6-Dinitrotoluene         | 9.49  | 165  | 185032   | 36.91 | nq #  | 42       |
| 51) Acenaphthene               | 9.73  | 154  | 741342   | 37.89 | nq    | 98       |
| 52) 3-Nitroaniline             | 9.66  | 138  | 159520   | 28.32 | nq    | 87       |
| 53) 2,4-Dinitrophenol          | 9.78  | 184  | 108753   | 49.40 | nq    | 85       |
| 54) Dibenzofuran               | 9.90  | 168  | 976802   | 40.85 | nq    | 93       |
| 55) 4-Nitrophenol              | 9.85  | 139  | 250383   | 60.49 | nq #  | 80       |
| 56) 2,4-Dinitrotoluene         | 9.90  | 165  | 266703   | 41.72 | nq    | 90       |
| 57) Fluorene                   | 10.25 | 166  | 818943   | 41.02 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.03 | 232  | 213247   | 44.73 | nq    | 89       |
| 59) Diethylphthalate           | 10.13 | 149  | 819701   | 36.59 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.25 | 204  | 371762   | 44.19 | nq #  | 85       |
| 61) 4-Nitroaniline             | 10.28 | 138  | 211663   | 38.56 | nq #  | 79       |
| 62) Azobenzene                 | 10.40 | 77   | 894353   | 41.51 | nq    | 86       |
| 64) 4,6-Dinitro-2-methylphenol | 10.30 | 198  | 93057    | 30.50 | nq #  | 63       |
| 65) n-Nitrosodiphenylamine     | 10.36 | 169  | 655435   | 41.76 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.73 | 248  | 229534   | 42.04 | nq #  | 79       |
| 67) Hexachlorobenzene          | 10.80 | 284  | 260880   | 43.85 | nq #  | 88       |
| 68) Atrazine                   | 10.90 | 200  | 238120   | 48.04 | nq    | 97       |
| 69) Pentachlorophenol          | 10.99 | 266  | 206902   | 74.00 | nq    | 98       |
| 70) Phenanthrene               | 11.21 | 178  | 1118750  | 40.80 | nq    | 100      |
| 71) Anthracene                 | 11.25 | 178  | 1129023  | 40.87 | nq    | 99       |
| 72) Carbazole                  | 11.41 | 167  | 973189   | 40.40 | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.76 | 149  | 1373186  | 44.77 | nq #  | 98       |
| 74) Fluoranthene               | 12.39 | 202  | 1047865  | 37.76 | nq    | 96       |
| 76) Benzidine                  | 12.51 | 184  | 470886   | 46.40 | nq    | 99       |
| 77) Pyrene                     | 12.61 | 202  | 1047055  | 46.30 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.24 | 149  | 454872   | 44.34 | nq    | 96       |
| 80) Benzo(a)anthracene         | 13.79 | 228  | 794261   | 43.33 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.77 | 252  | 218095   | 33.60 | nq #  | 97       |
| 82) Chrysene                   | 13.84 | 228  | 762707   | 42.91 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.80 | 149  | 572161   | 44.82 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.42 | 149  | 994607   | 47.22 | nq #  | 91       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.45 | 276  | 781584   | 55.86 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 14.80 | 252  | 979202m  | 47.64 | nq    |          |
| 88) Benzo(k)fluoranthene       | 14.83 | 252  | 559193m  | 32.91 | nq    |          |
| 89) Benzo(a)pyrene             | 15.12 | 252  | 748086   | 42.72 | nq #  | 94       |
| 90) Dibenzo(a,h)anthracene     | 16.47 | 278  | 651876   | 44.22 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 16.83 | 276  | 632915   | 42.62 | nq    | 99       |

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





#1

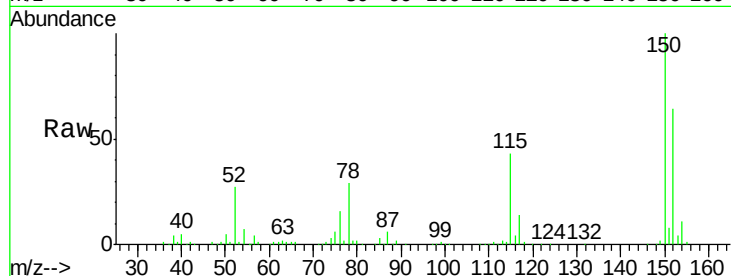
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.66 min Scan# 400  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

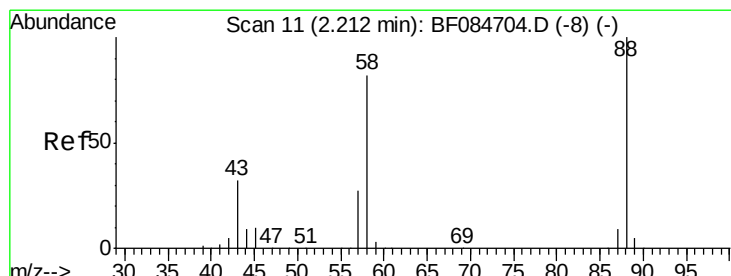
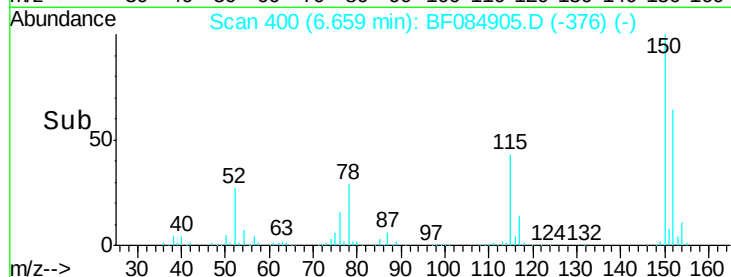
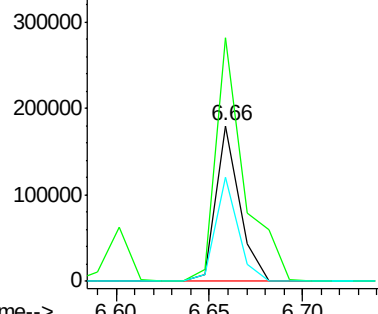
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.8 | 123.0 | 184.4 |
| 115     | 67.4  | 51.4  | 77.2  |

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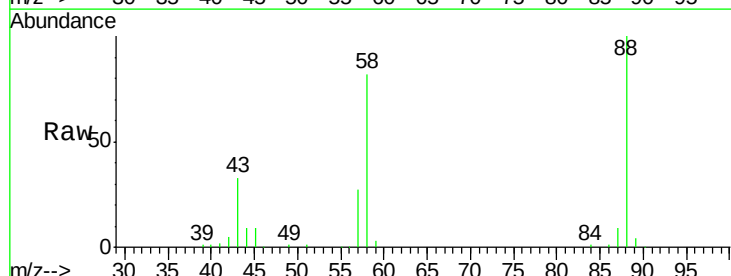
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



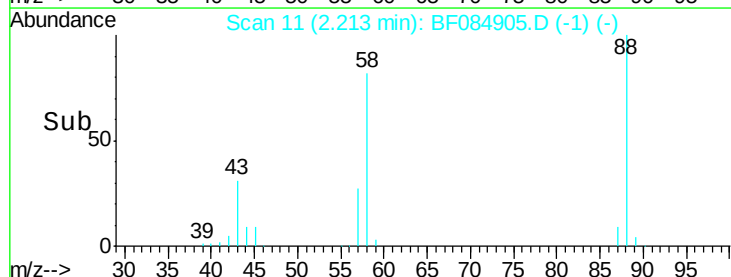
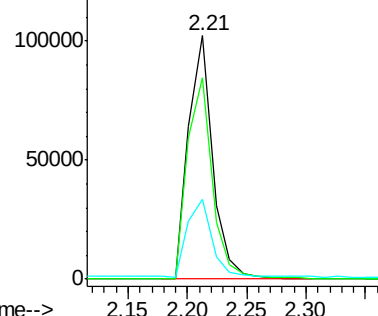
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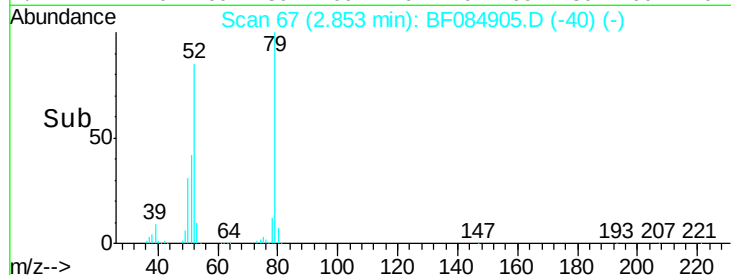
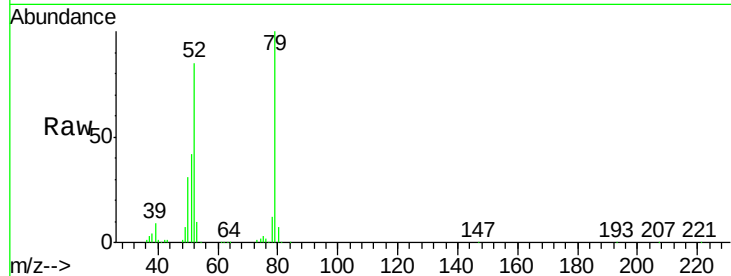
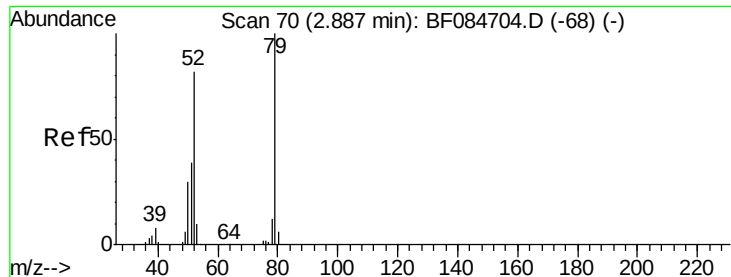
1,4-Dioxane  
Concen: 32.35 ng  
RT: 2.21 min Scan# 11  
Delta R.T. 0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 85.9  | 51.2  | 76.8# |
| 43      | 34.3  | 19.5  | 29.3# |



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





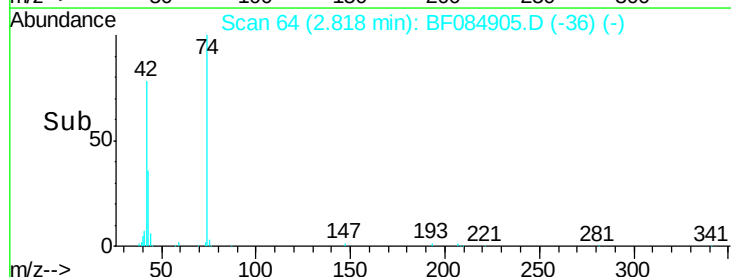
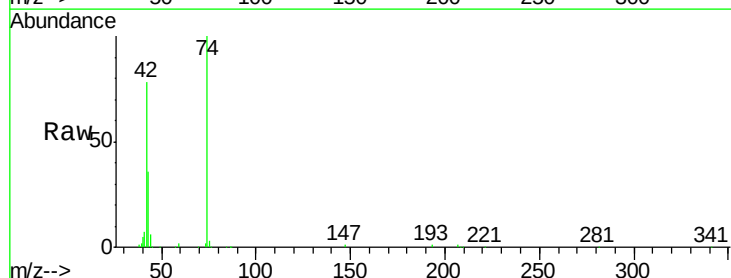
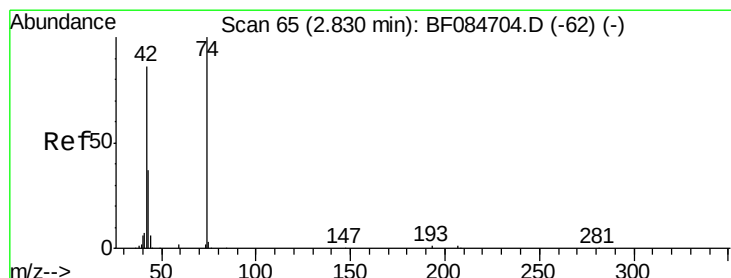
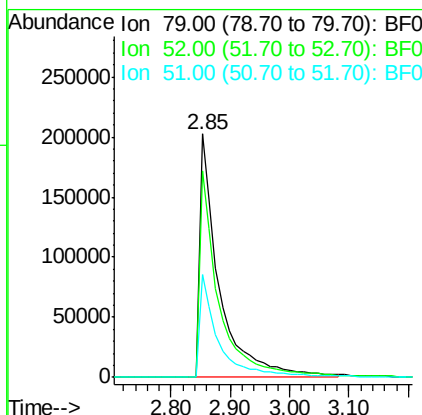
#3  
 Pvridine  
 Concen: 40.52 ng  
 RT: 2.85 min Scan# 67  
 Delta R.T. 0.01 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 84.9  | 49.0  | 73.4# |
| 51      | 42.0  | 25.2  | 37.8# |

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB88196BS

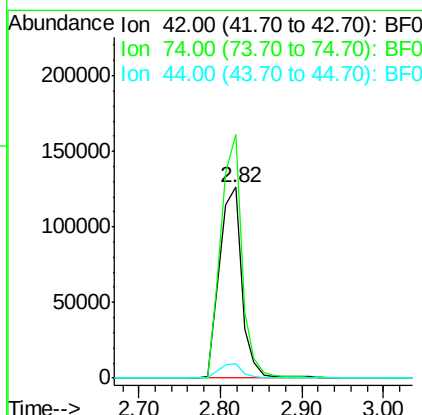
Manual Integrations  
 APPROVED

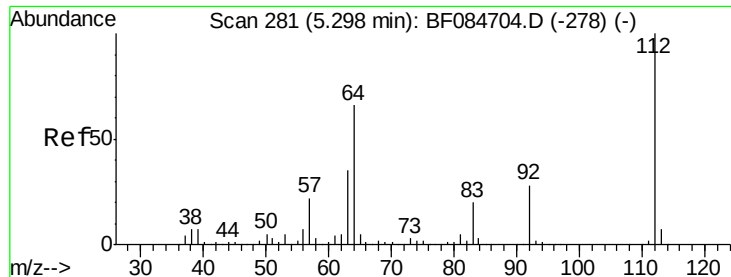
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#4  
 n-Nitrosodimethylamine  
 Concen: 40.16 ng  
 RT: 2.82 min Scan# 64  
 Delta R.T. 0.02 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 127.4 | 115.7 | 173.5 |
| 44      | 7.5   | 5.1   | 7.7   |





#5

2-Fluorophenol

Concen: 123.82 ng

RT: 5.26 min Scan# 278

Delta R.T. -0.01 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

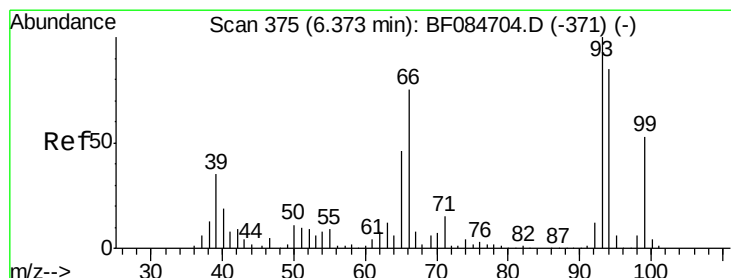
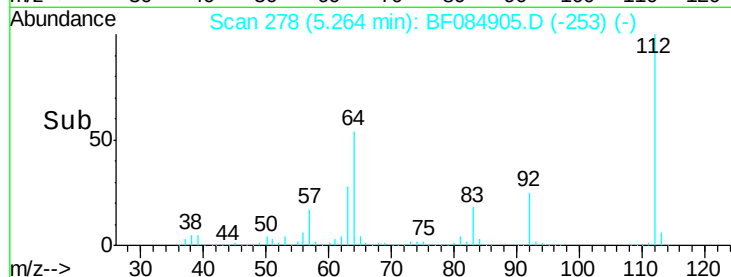
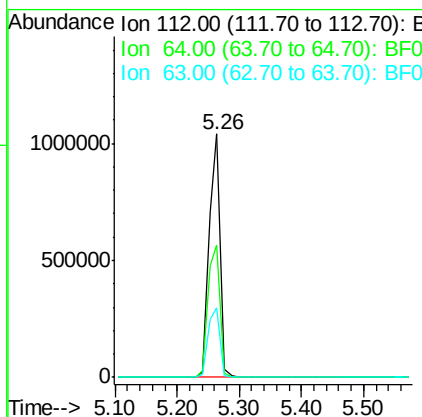
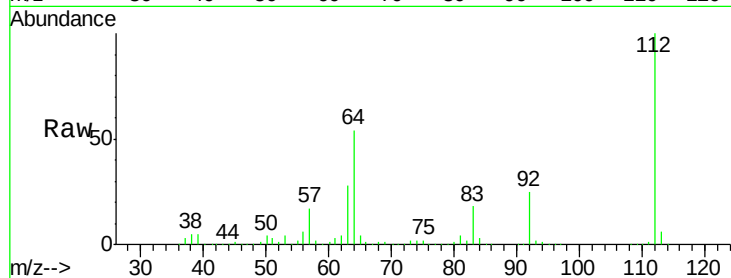
ClientSampleId :

PB88196BS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 112   | Resp: | 1256932 |
| Ion Ratio | Lower | Upper |         |
| 112       | 100   |       |         |
| 64        | 54.3  | 36.6  | 55.0    |
| 63        | 28.5  | 19.4  | 29.0    |

Manual Integrations  
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#6

Aniline

Concen: 30.05 ng

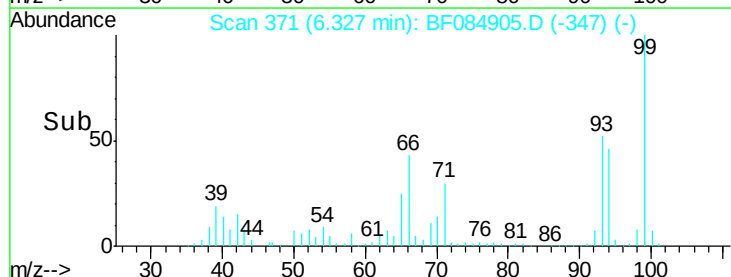
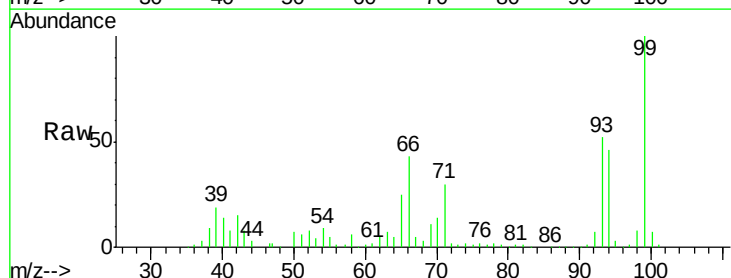
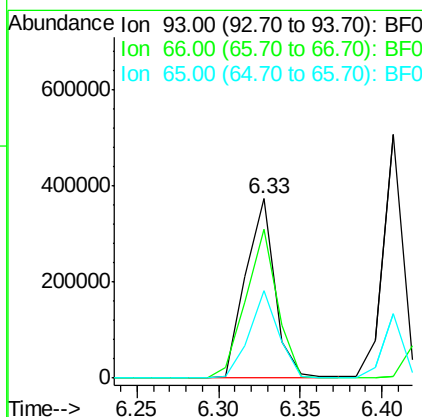
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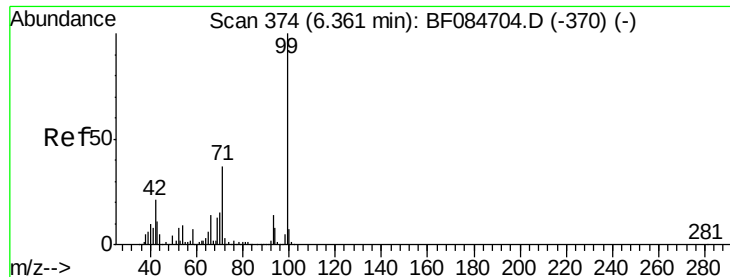
Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 462772 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 82.7  | 44.9  | 67.3#  |
| 65        | 48.8  | 23.7  | 35.5#  |





#7

Phenol-d6

Concen: 115.92 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

ClientSampleId :

PB88196BS

Tot Ion: 99 Resp: 1458838

Ion Ratio Lower Upper

99 100

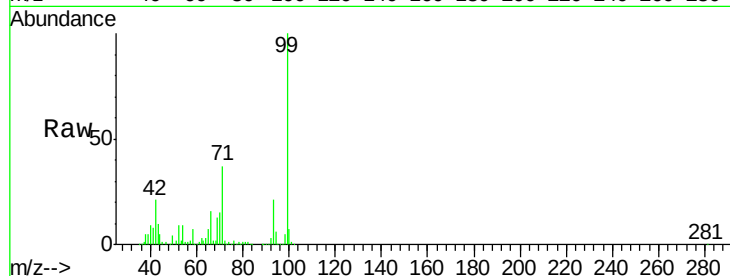
42 20.7 12.8 19.2#

71 37.1 30.9 46.3

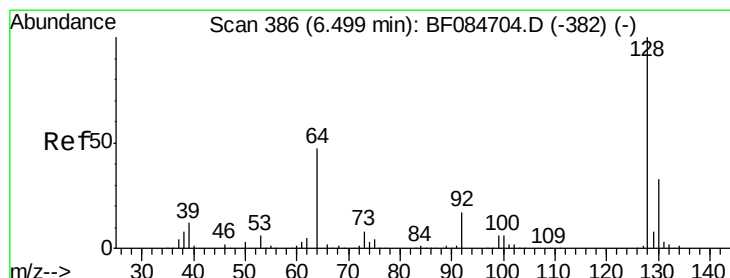
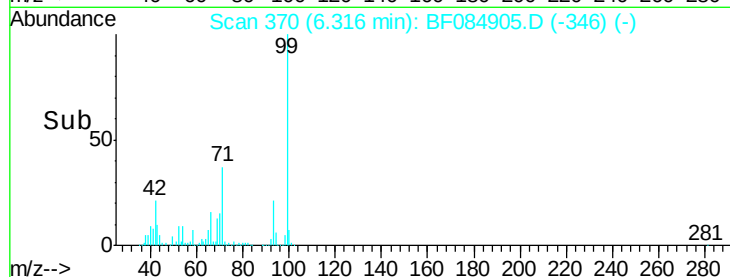
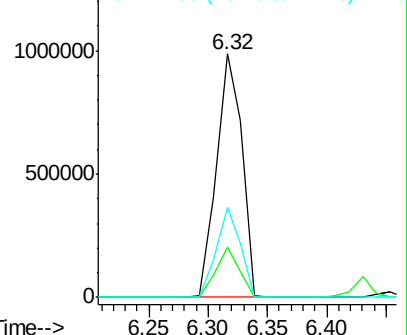
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Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 39.82 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

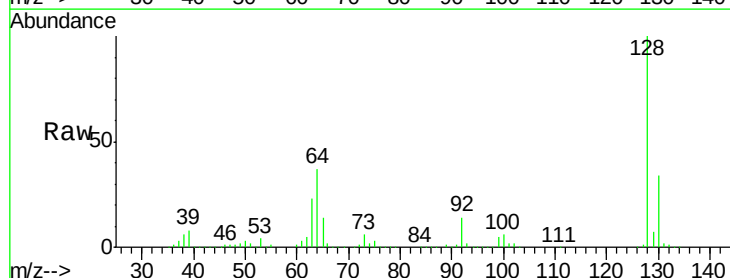
Tgt Ion: 128 Resp: 457567

Ion Ratio Lower Upper

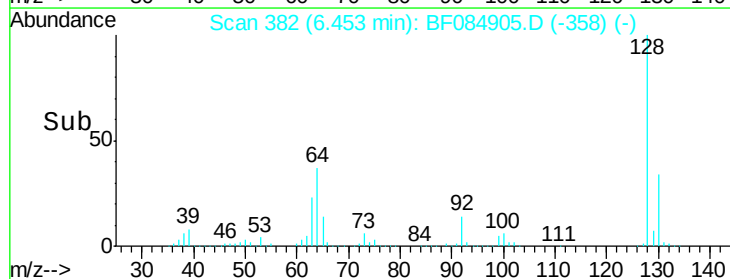
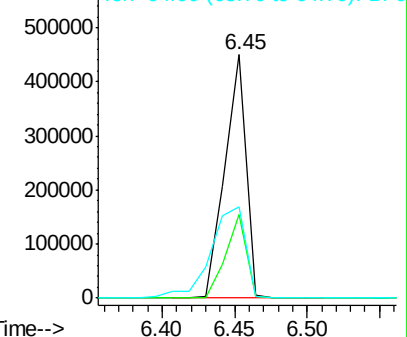
128 100

130 34.3 11.6 51.6

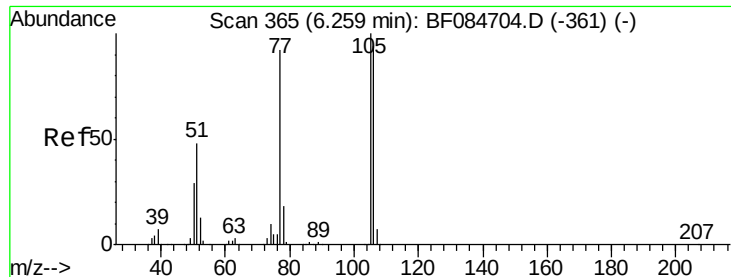
64 37.4 23.8 63.8



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF0







#9

Benzaldehyde

Concen: 22.71 ng

RT: 6.20 min Scan# 360

Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

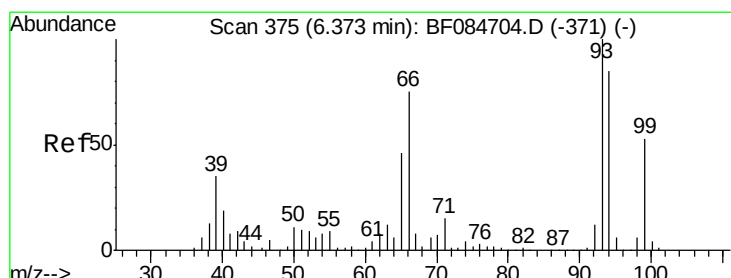
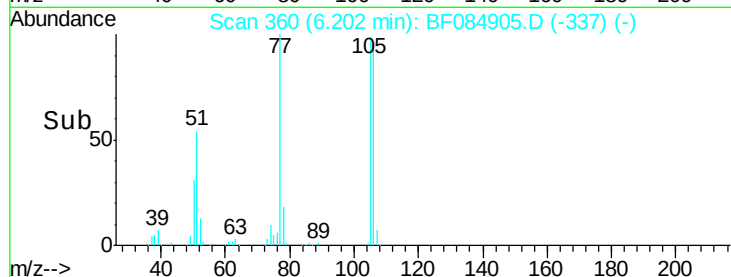
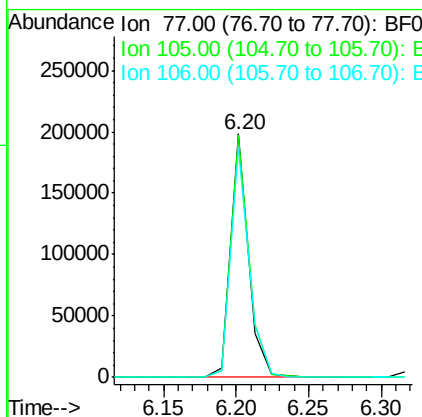
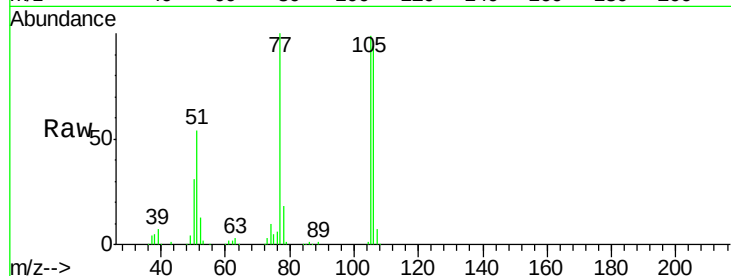
ClientSampled :

PB88196BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 168760 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 99.5  | 83.0  | 123.0  |
| 106       | 94.5  | 74.6  | 114.6  |

Manual Integrations  
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#10

Phenol

Concen: 33.82 ng

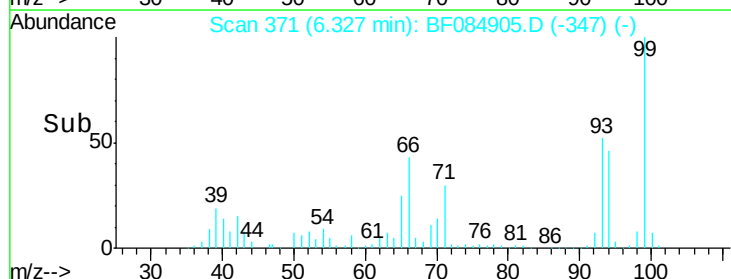
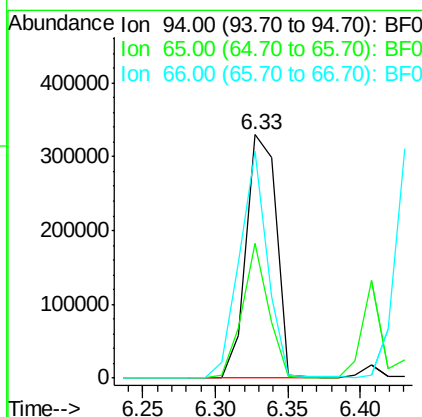
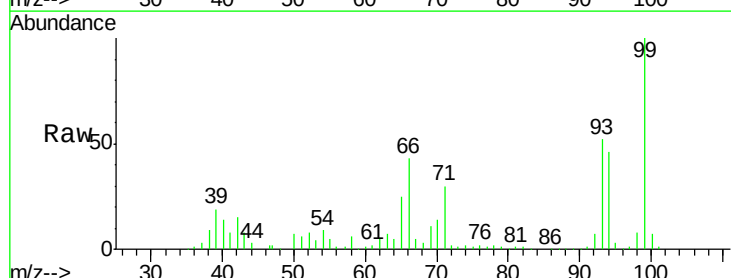
RT: 6.33 min Scan# 371

Delta R.T. -0.02 min

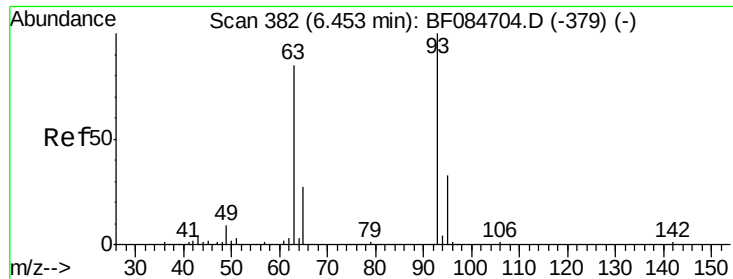
Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 476834 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 55.2  | 12.9  | 52.9#  |
| 66        | 93.4  | 32.7  | 72.7#  |







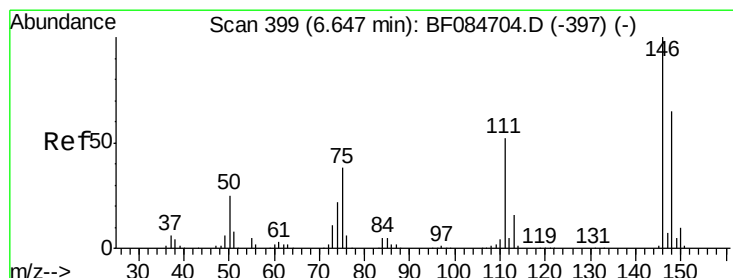
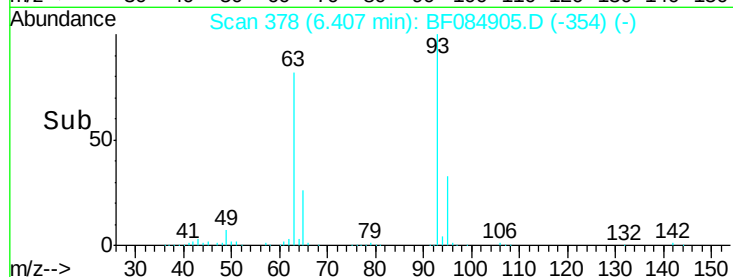
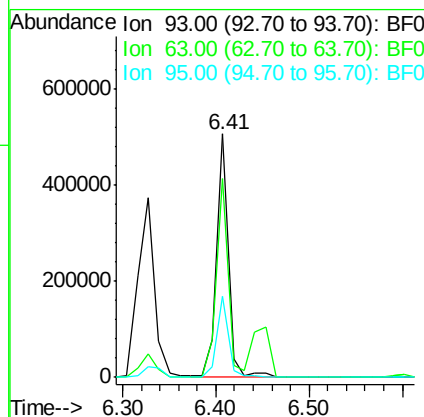
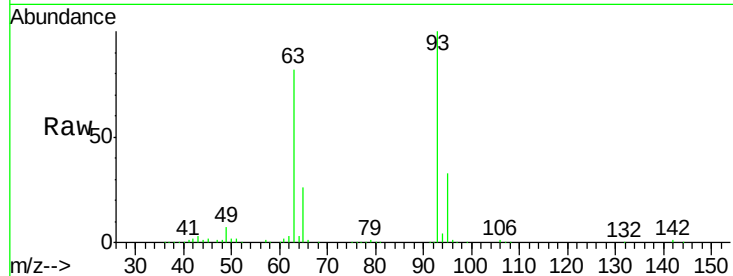
#11  
bis(2-Chloroethyl)ether  
Concen: 40.27 ng  
RT: 6.41 min Scan# 378  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 442654 |       |       |
| 63      | 81.8  | 45.9   | 85.9  |       |
| 95      | 33.5  | 12.3   | 52.3  |       |

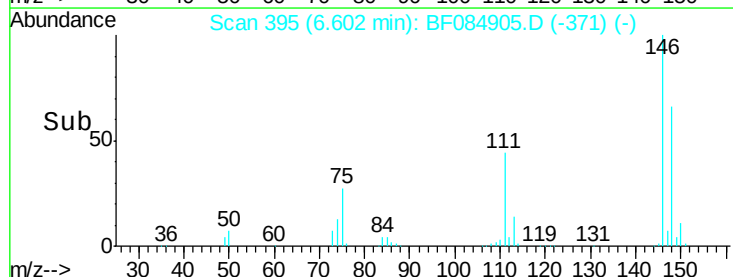
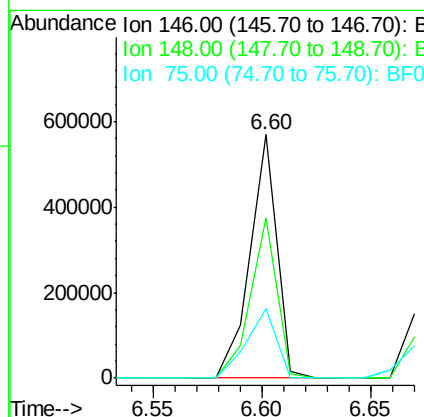
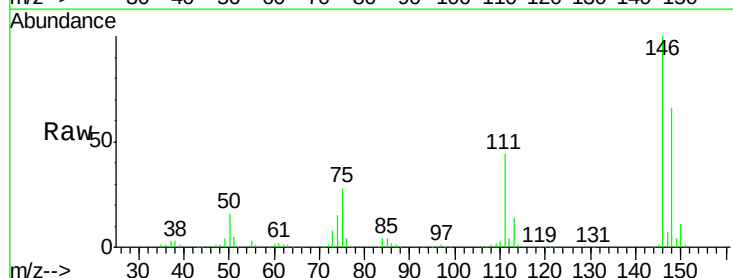
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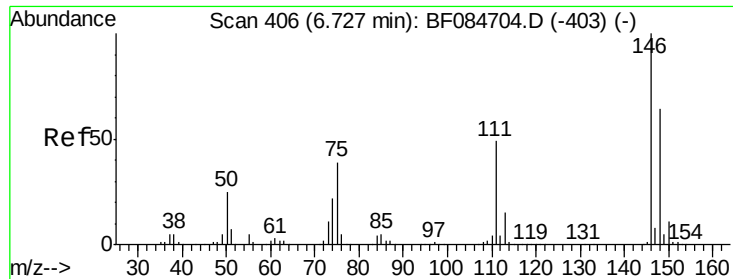
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2/8/2016 3:04:33 PM



#12  
1,3-Dichlorobenzene  
Concen: 40.13 ng  
RT: 6.60 min Scan# 395  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 487221 |       |       |
| 148     | 65.9  | 51.9   | 77.9  |       |
| 75      | 28.3  | 20.5   | 30.7  |       |





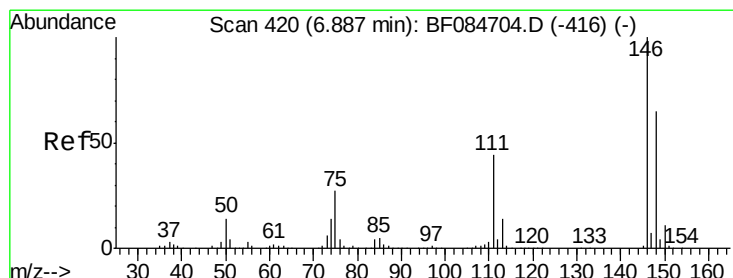
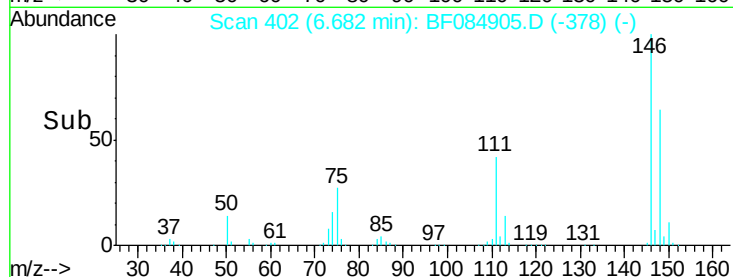
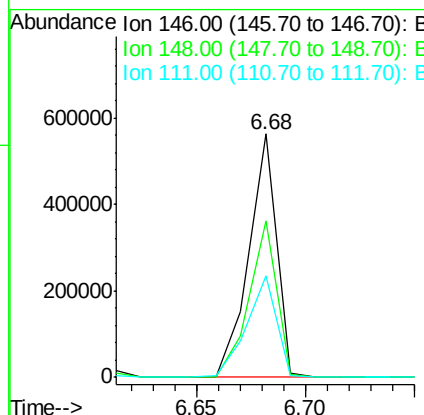
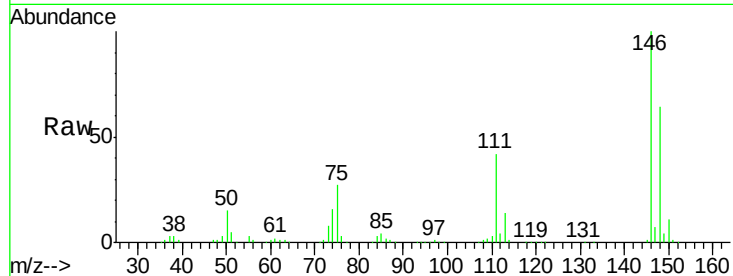
#13  
1,4-Dichlorobenzene  
Concen: 40.98 ng  
RT: 6.68 min Scan# 402  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.4  | 51.9  | 77.9  |
| 111     | 41.7  | 41.6  | 62.4  |

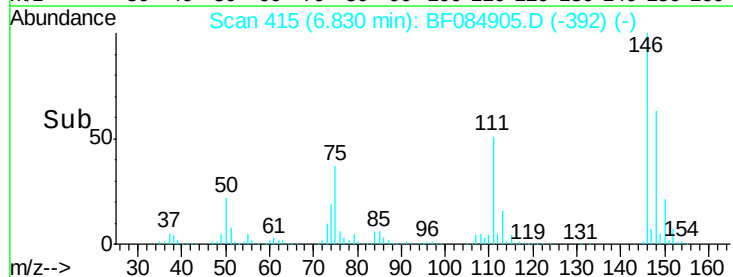
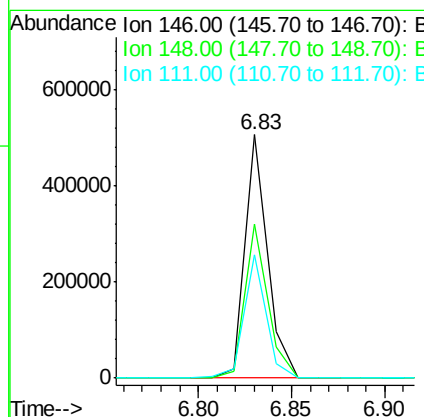
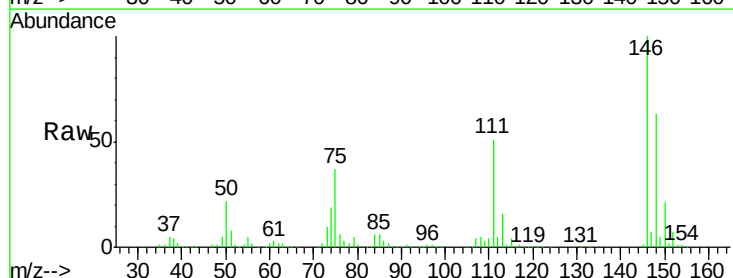
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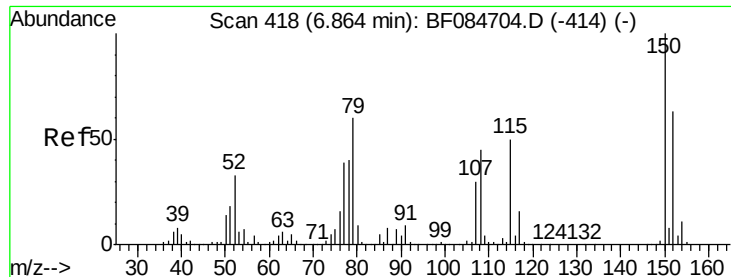
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2/8/2016 3:04:33 PM



#14  
1,2-Dichlorobenzene  
Concen: 37.80 ng  
RT: 6.83 min Scan# 415  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.2  | 51.6  | 77.4  |
| 111     | 50.9  | 38.0  | 57.0  |





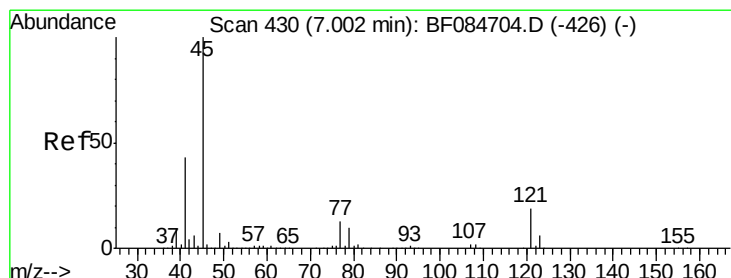
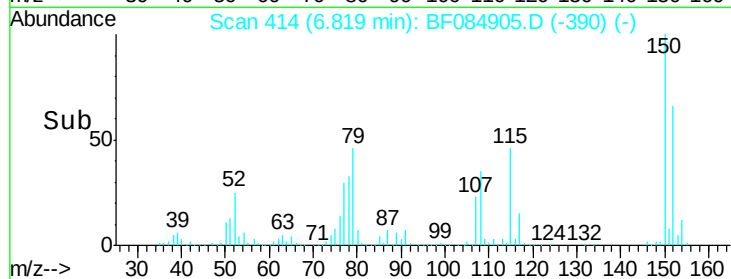
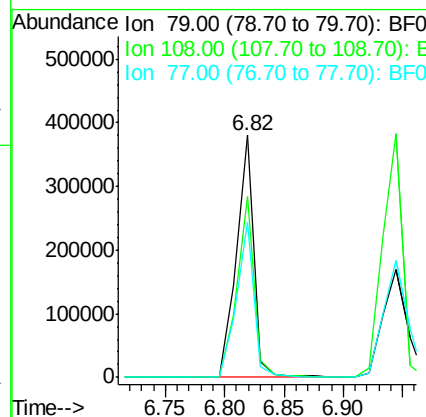
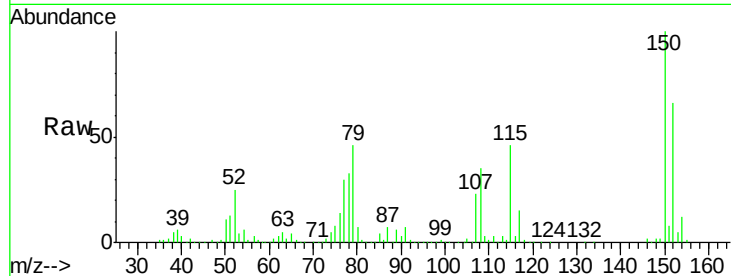
#15  
Benzyl Alcohol  
Concen: 44.55 ng  
RT: 6.82 min Scan# 414  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampled :  
PB88196BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 79      | 100   |      |       |       |
| 108     | 74.5  | 69.0 | 103.4 |       |
| 77      | 64.0  | 50.0 | 75.0  |       |

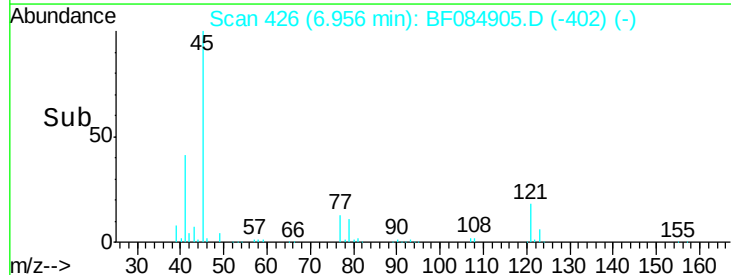
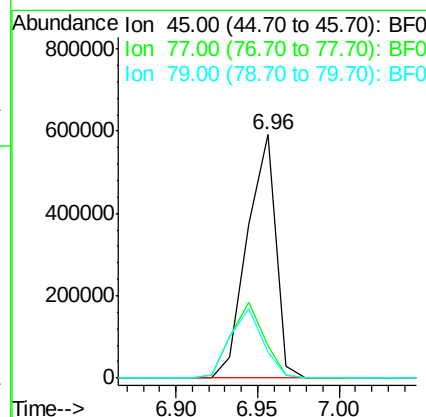
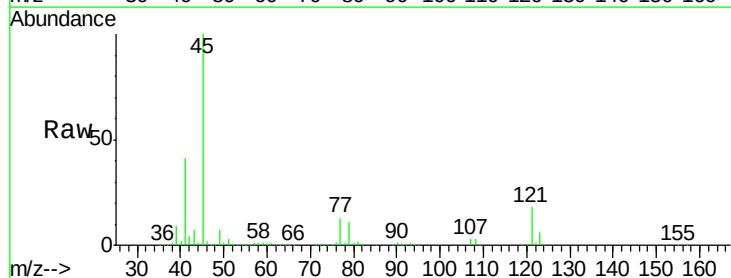
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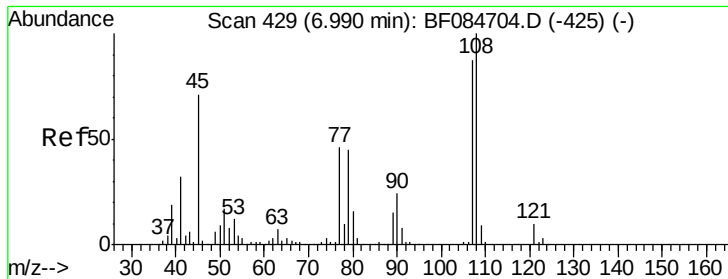
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2/8/2016 3:04:33 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.89 ng  
RT: 6.96 min Scan# 426  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 45      | 100   |      |       |       |
| 77      | 13.2  | 0.0  | 39.6  |       |
| 79      | 10.7  | 0.0  | 35.0  |       |





#17

2-Methylphenol

Concen: 41.86 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

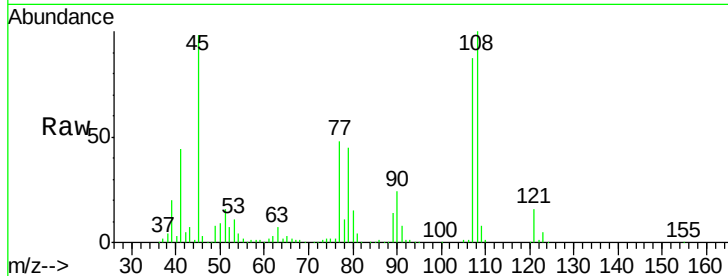
ClientSampleId :

PB88196BS

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 107     | 100   |       |       |       |       |
| 108     | 114.9 | 89.8  | 134.6 |       |       |
| 77      | 55.4  | 35.7  | 53.5# |       |       |
| 79      | 51.2  | 35.7  | 53.5  |       |       |

Manual Integrations  
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2/8/2016 3:04:33 PM

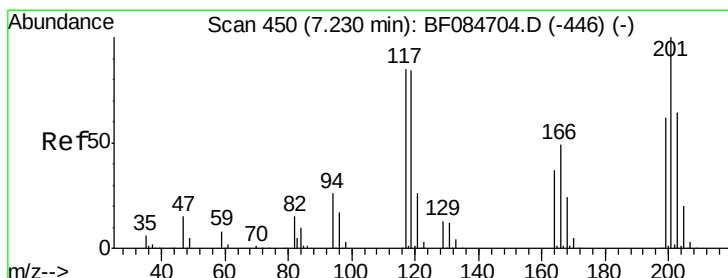
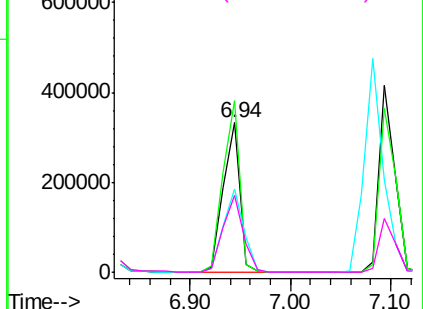
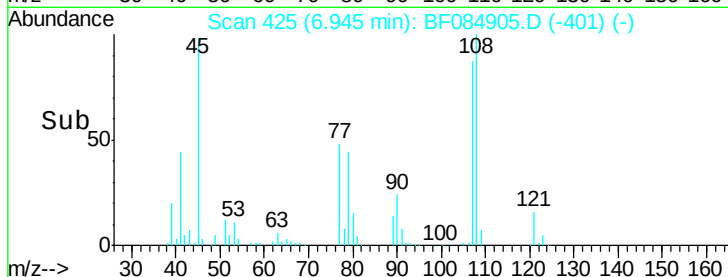


Abundance Ion 107.00 (106.70 to 107.70): E

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: 38.99 ng

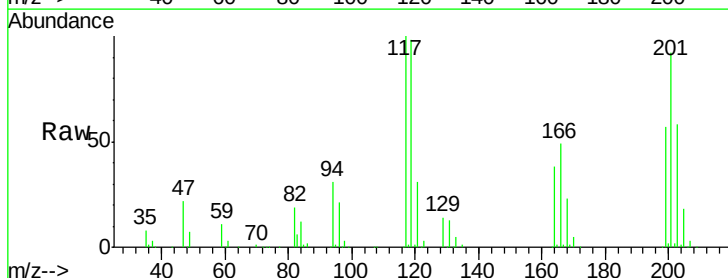
RT: 7.17 min Scan# 445

Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

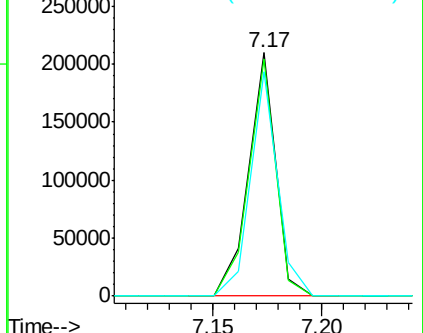
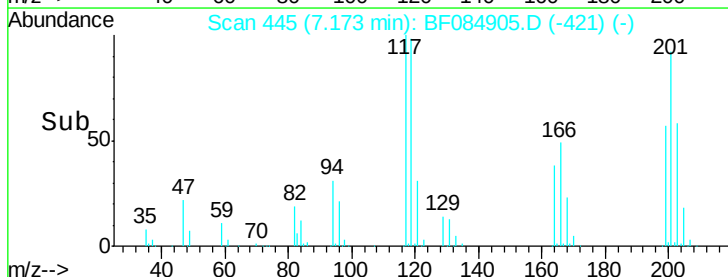
| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 117     | 100  |       |       |       |       |
| 119     | 97.7 | 77.4  | 116.0 |       |       |
| 201     | 92.0 | 68.6  | 103.0 |       |       |

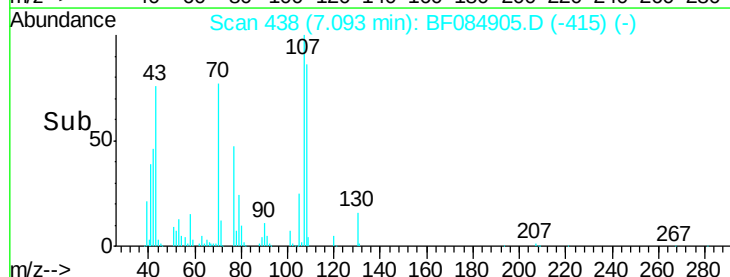
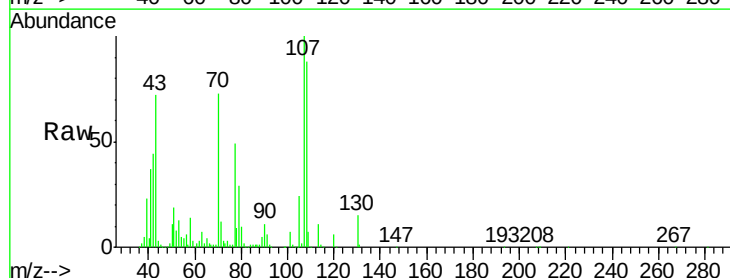
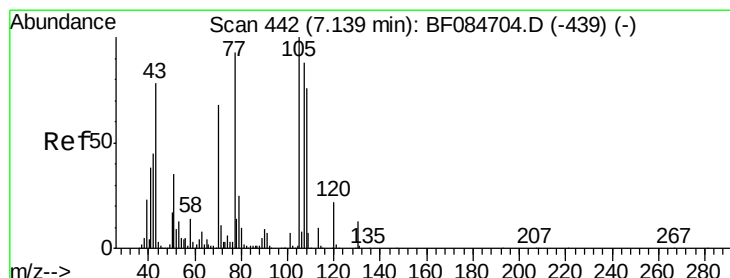
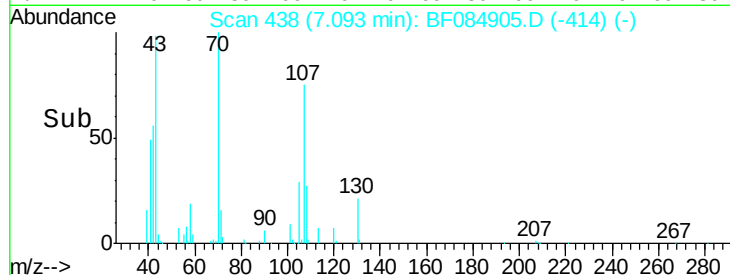
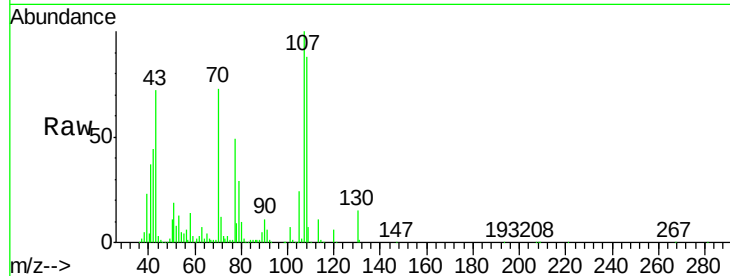
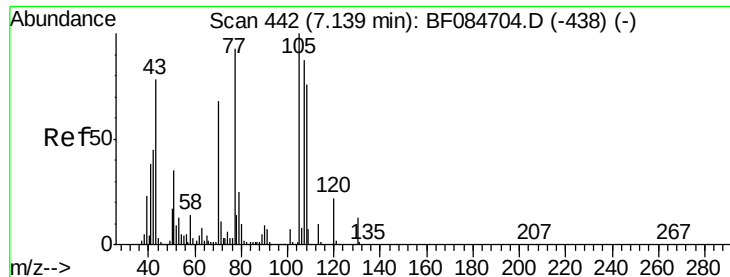


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





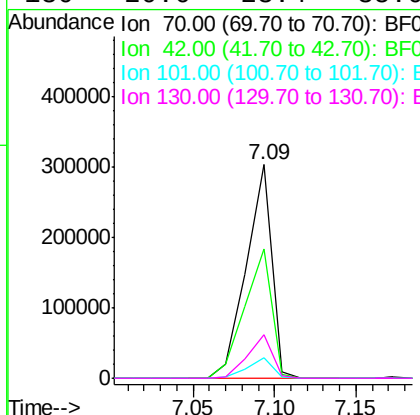
#19  
n-Nitroso-di-n-propylamine  
Concen: 41.74 ng  
RT: 7.09 min Scan# 438  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 60.5  | 33.3  | 49.9# |
| 101     | 9.4   | 9.3   | 13.9  |
| 130     | 20.6  | 23.4  | 35.0# |

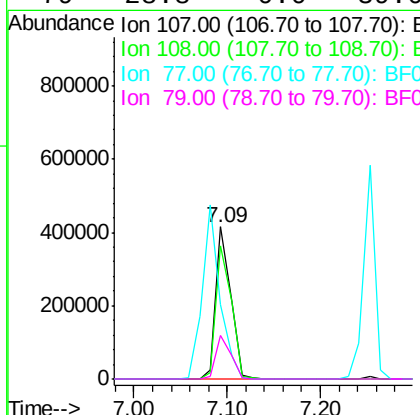
Manual Integrations  
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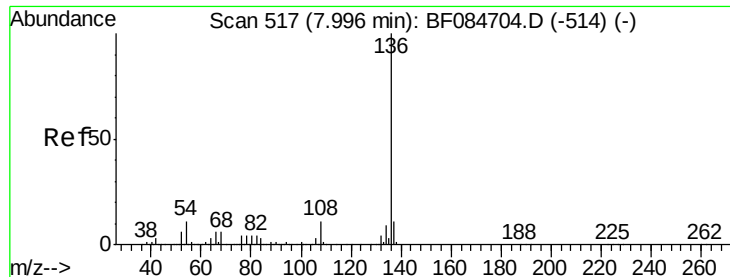
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2/8/2016 3:04:33 PM



#20  
3+4-Methylphenols  
Concen: 40.44 ng  
RT: 7.09 min Scan# 438  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 88.0  | 74.6  | 114.6 |
| 77      | 49.2  | 0.7   | 40.7# |
| 79      | 28.8  | 0.0   | 39.0  |





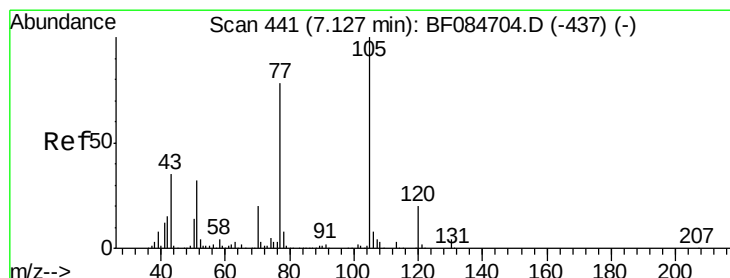
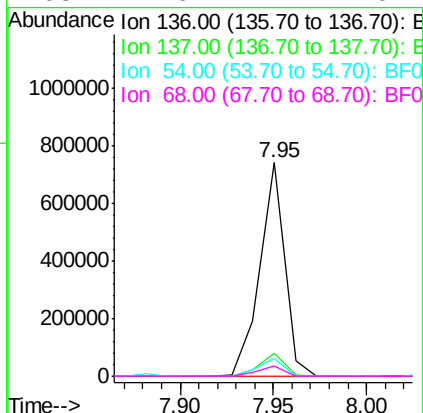
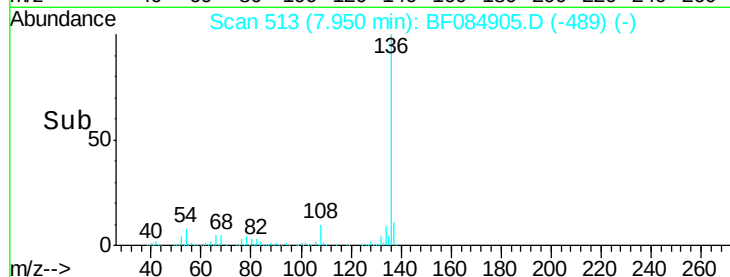
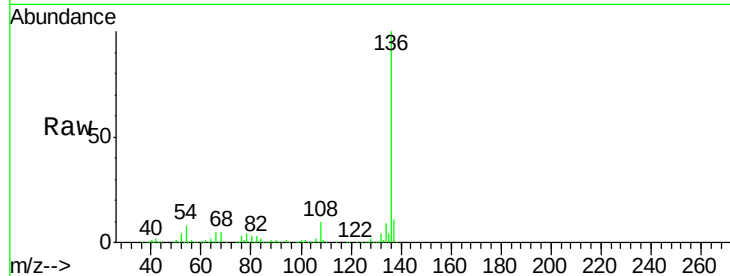
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.95 min Scan# 513  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 678386 |       |       |
| 137     | 11.0 |       | 8.7    | 13.1  |       |
| 54      | 8.2  |       | 5.8    | 8.8   |       |
| 68      | 4.6  |       | 4.2    | 6.2   |       |

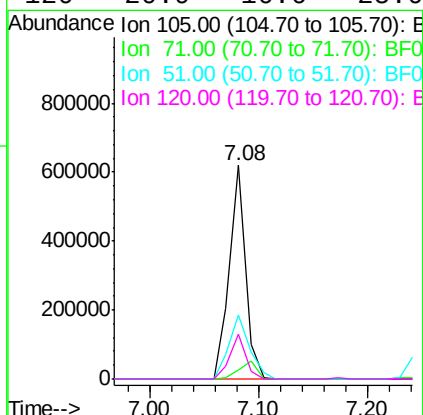
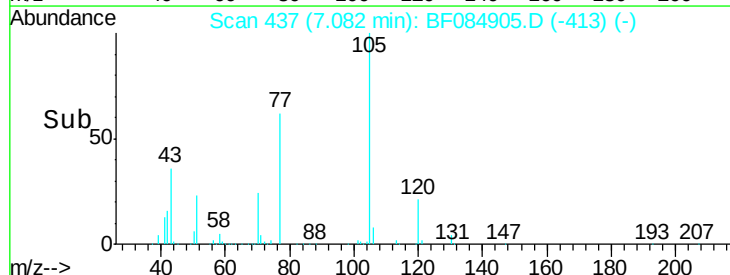
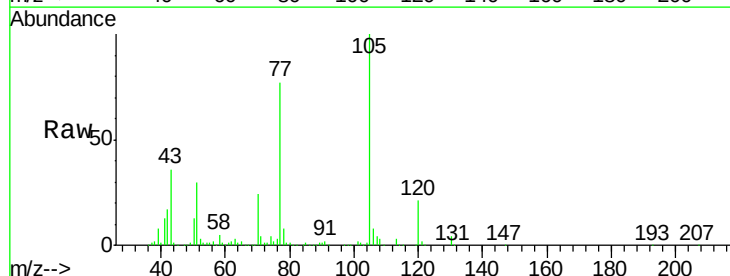
Manual Integrations  
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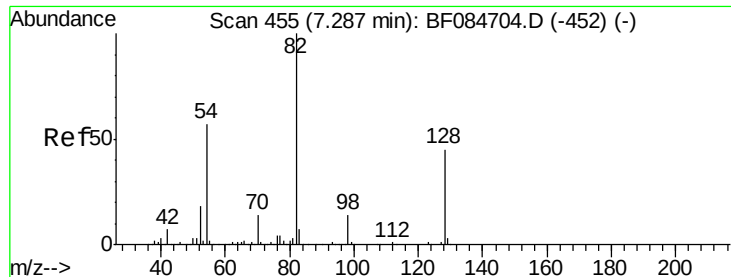
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#22  
Acetophenone  
Concen: 35.70 ng  
RT: 7.08 min Scan# 437  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 638226 |       |       |
| 71      | 4.0  |       | 3.7    | 5.5   |       |
| 51      | 29.9 |       | 25.1   | 37.7  |       |
| 120     | 20.9 |       | 16.6   | 25.0  |       |





#23

Nitrobenzene-d5

Concen: 78.08 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

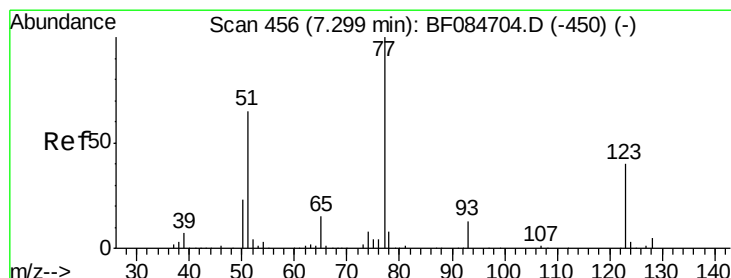
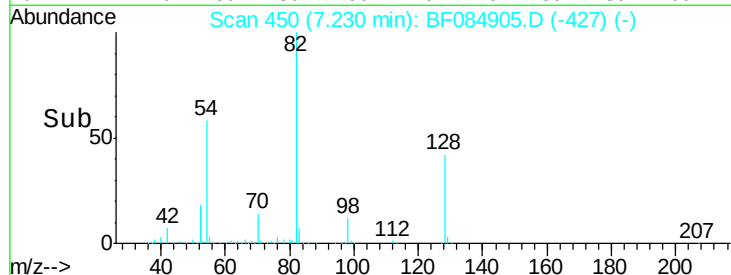
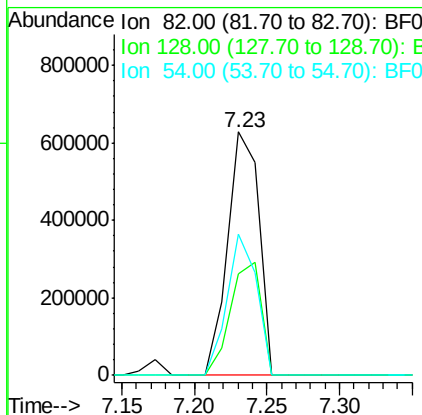
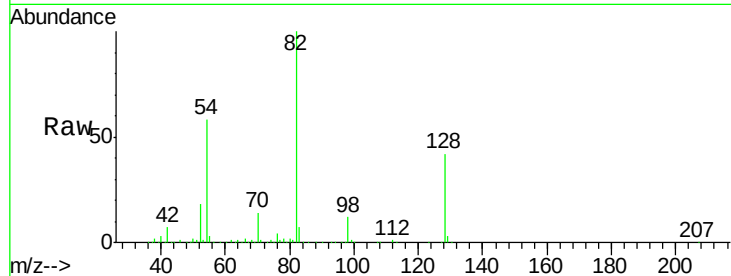
ClientSampleId :

PB88196BS

| Tot Ion   | 82    | Resp  | 940297 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.8  | 34.6  | 51.8   |
| 54        | 58.0  | 38.4  | 57.6   |

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#24

Nitrobenzene

Concen: 38.04 ng

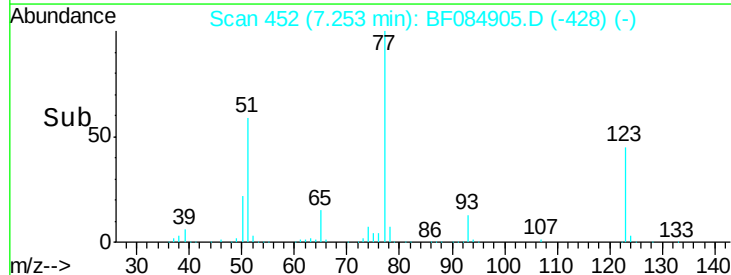
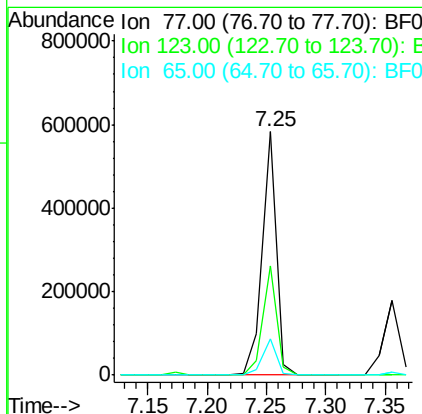
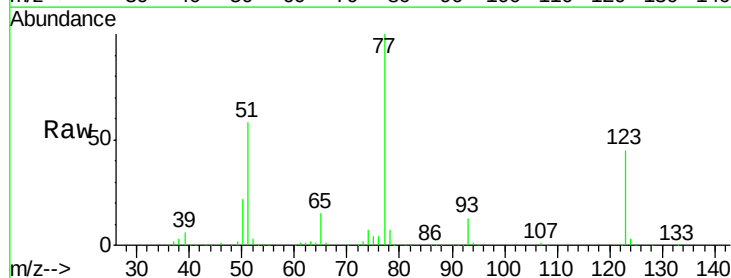
RT: 7.25 min Scan# 452

Delta R.T. -0.02 min

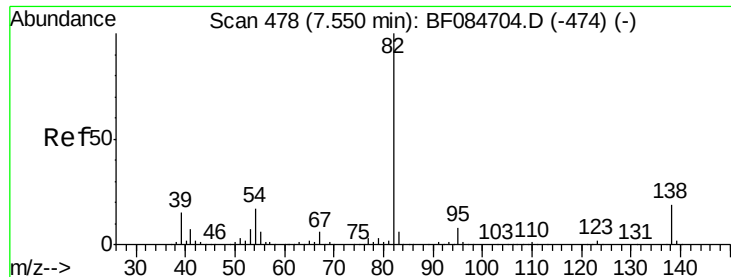
Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

| Tgt Ion   | 77    | Resp  | 490496 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 44.7  | 37.4  | 56.2   |
| 65        | 15.0  | 10.9  | 16.3   |







#25

Isophorone

Concen: 36.70 ng

RT: 7.49 min Scan# 473

Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

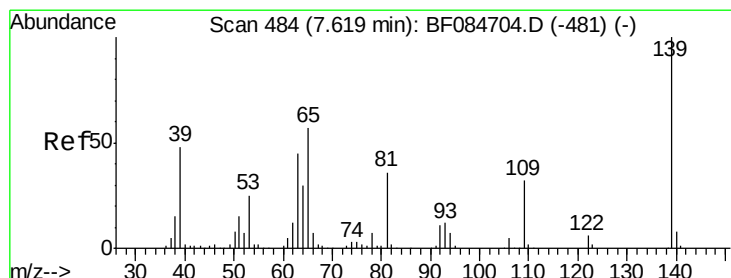
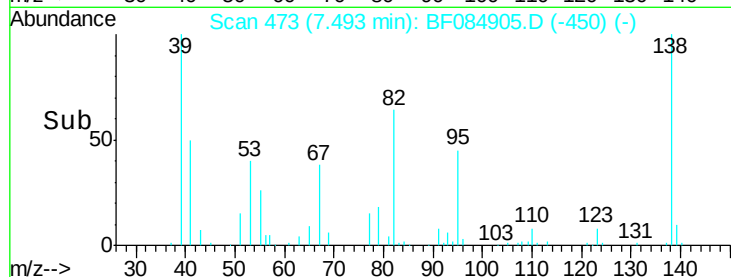
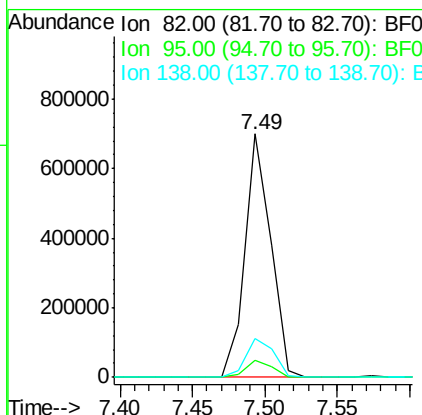
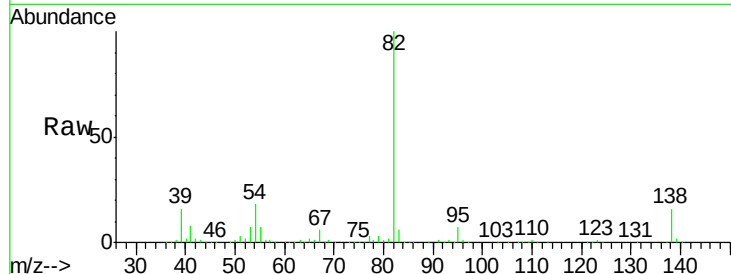
ClientSampleId :

PB88196BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 82   | Resp: | 859356 |
| Ion Ratio |      | Lower | Upper  |
| 82        | 100  |       |        |
| 95        | 7.2  | 6.6   | 10.0   |
| 138       | 16.0 | 13.6  | 20.4   |

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#26

2-Nitrophenol

Concen: 40.85 ng

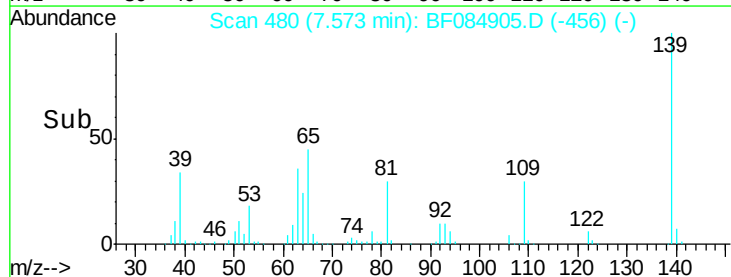
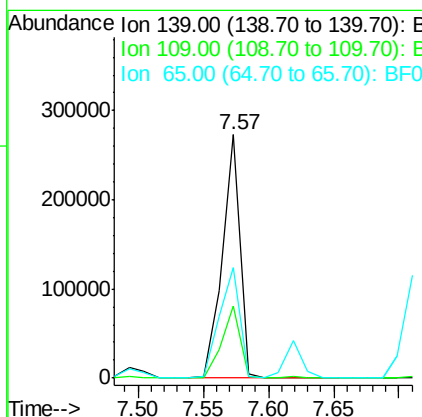
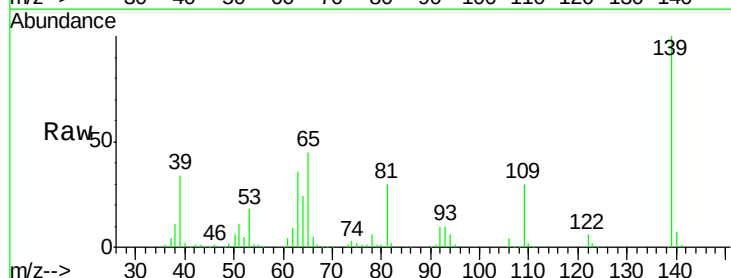
RT: 7.57 min Scan# 480

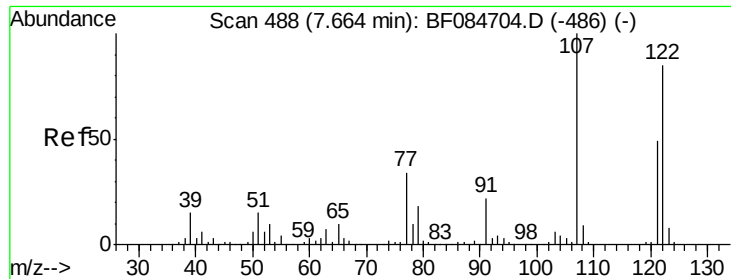
Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 139  | Resp: | 259793 |
| Ion Ratio |      | Lower | Upper  |
| 139       | 100  |       |        |
| 109       | 29.6 | 25.4  | 38.2   |
| 65        | 45.2 | 32.3  | 48.5   |





#27

2,4-Dimethylphenol

Concen: 34.91 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

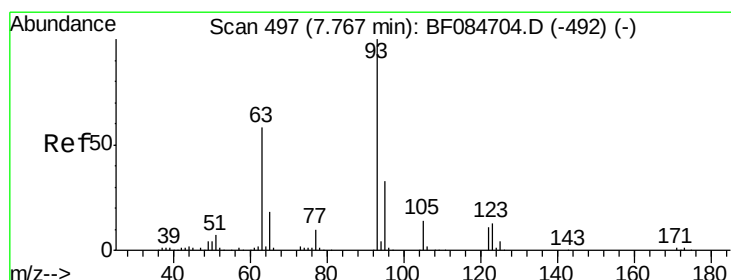
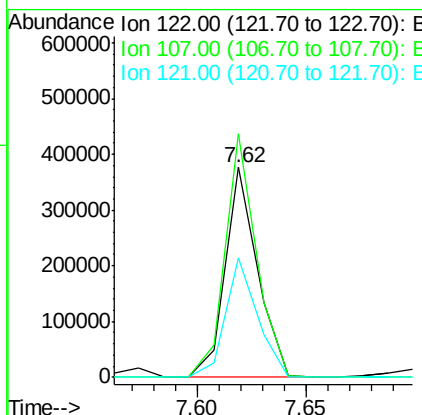
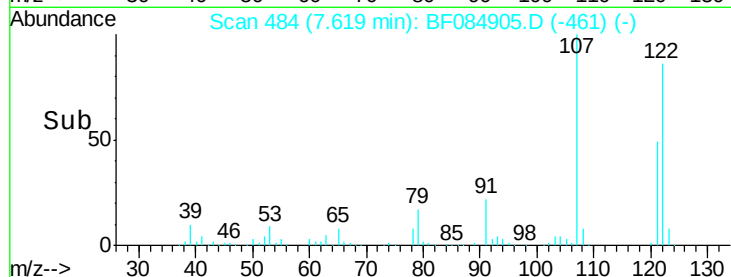
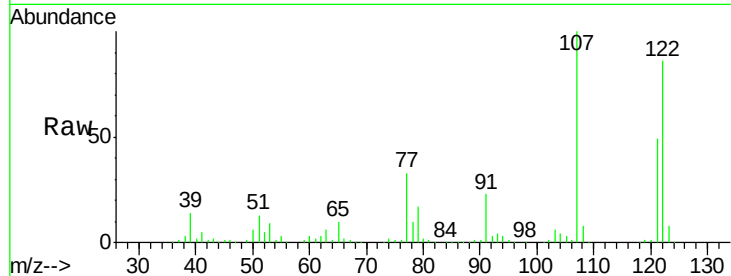
ClientSampled :

PB88196BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 386206 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 116.0 | 99.1  | 148.7  |
| 121       | 56.8  | 47.9  | 71.9   |

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#28

bis(2-Chloroethoxy)methane

Concen: 36.49 ng

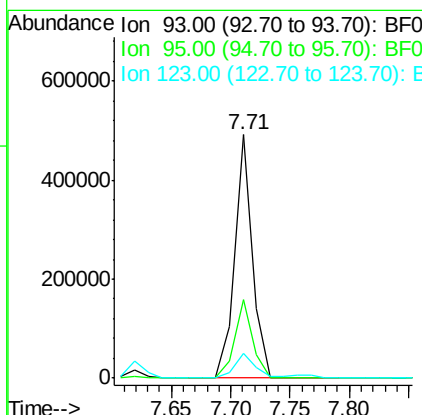
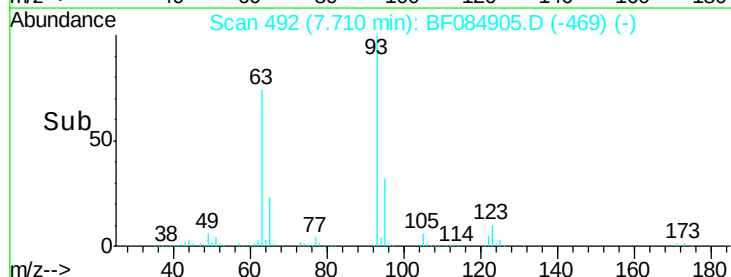
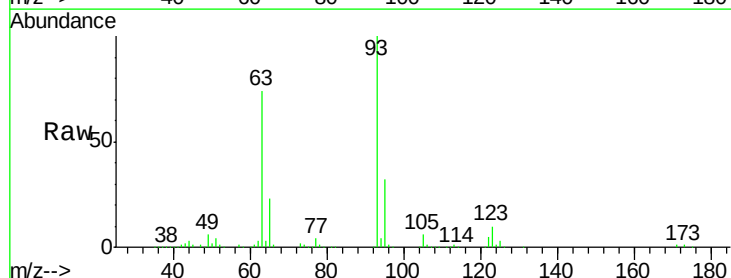
RT: 7.71 min Scan# 492

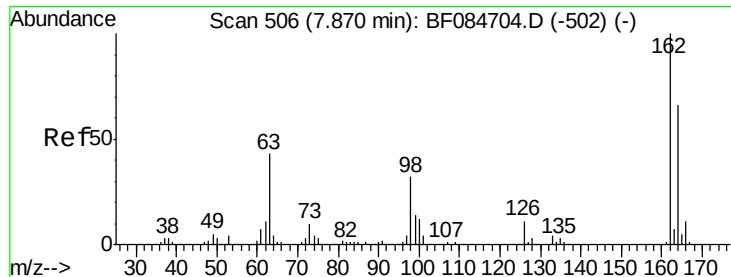
Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 506912 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 32.3  | 25.8  | 38.6   |
| 123       | 10.1  | 8.6   | 12.8   |





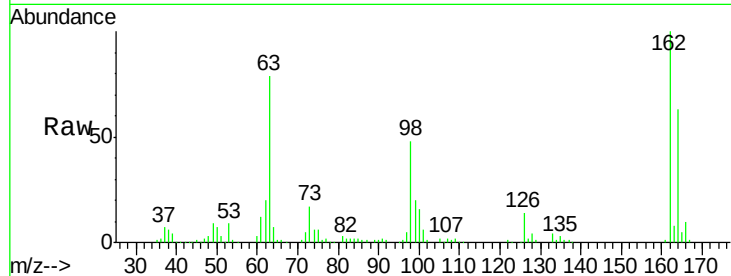
#29  
 2,4-Dichlorophenol  
 Concen: 37.32 ng  
 RT: 7.81 min Scan# 501  
 Delta R.T. -0.03 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88196BS

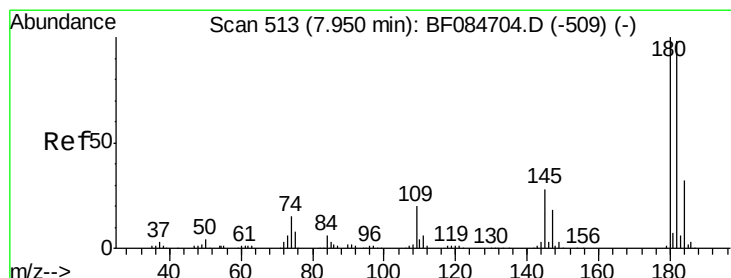
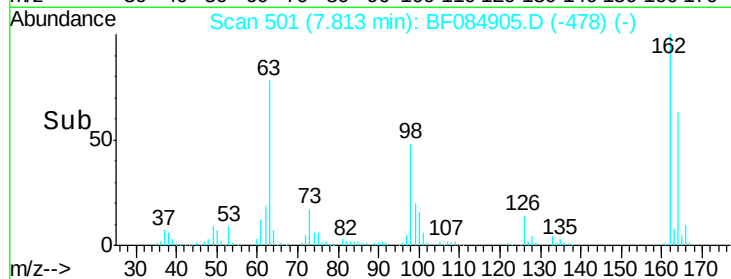
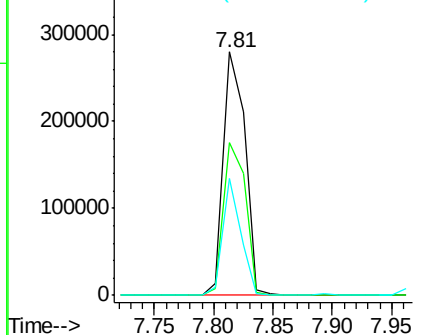
| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 62.6  | 44.1       | 84.1       |
| 98      | 47.9  | 20.2       | 60.2       |

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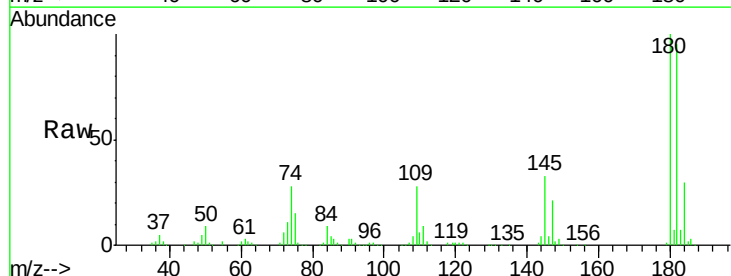


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

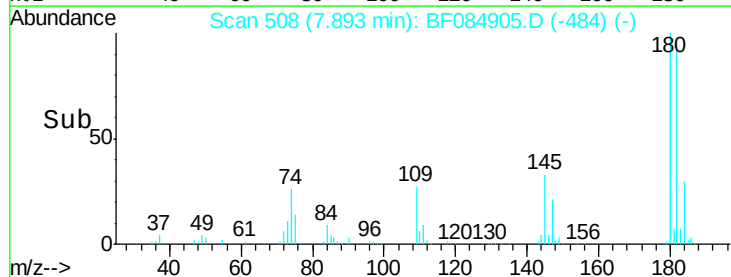
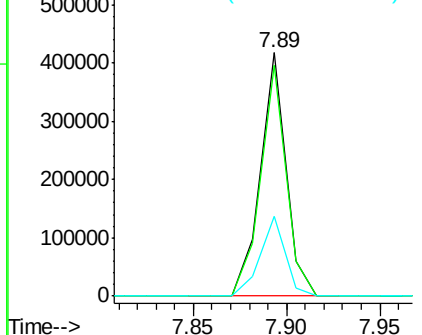


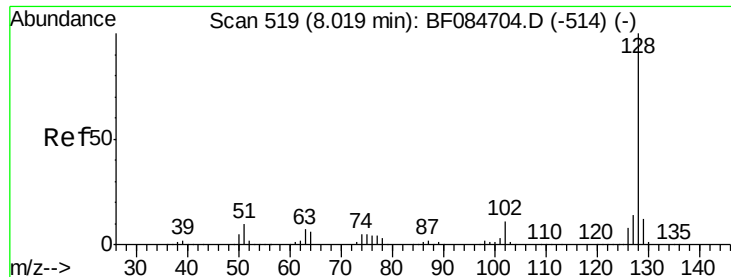
#30  
 1,2,4-Trichlorobenzene  
 Concen: 36.99 ng  
 RT: 7.89 min Scan# 508  
 Delta R.T. -0.02 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 94.6  | 76.4       | 114.6      |
| 145     | 32.9  | 31.6       | 47.4       |



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E





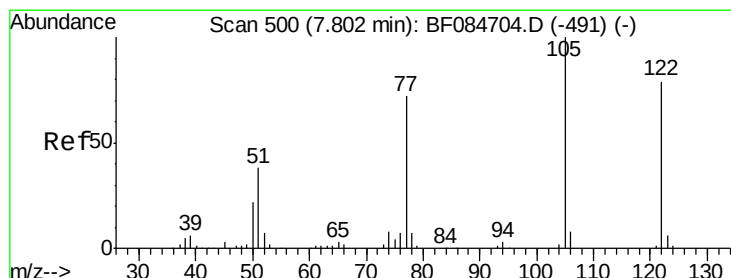
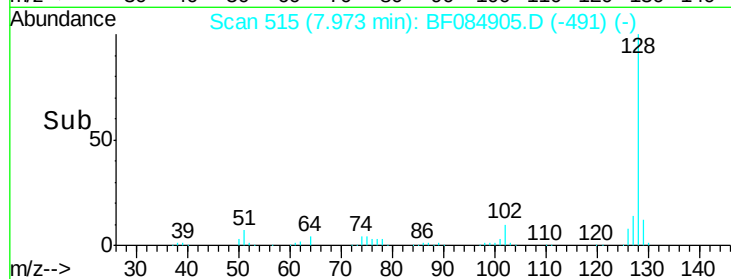
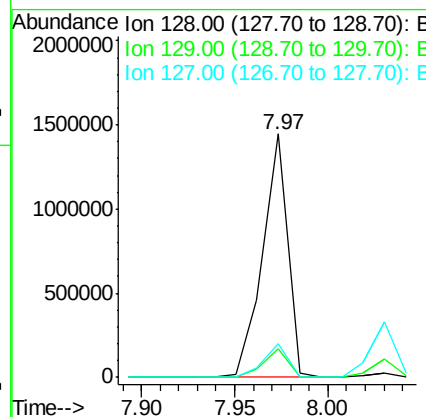
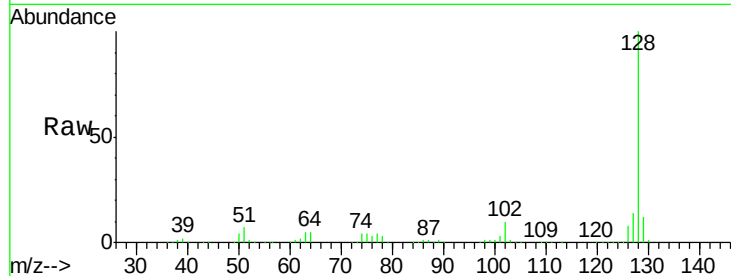
#31  
Naphthalene  
Concen: 39.29 ng  
RT: 7.97 min Scan# 515  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

Tot Ion:128 Resp: 1337063  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.1 13.7  
127 14.0 11.1 16.7

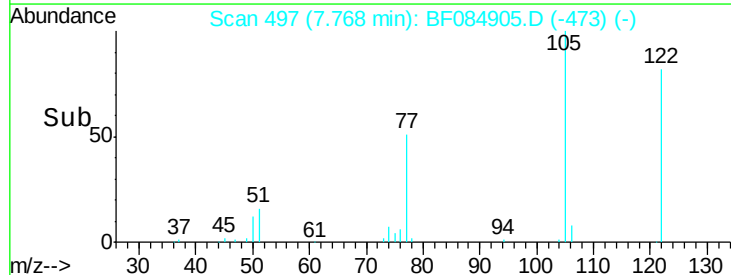
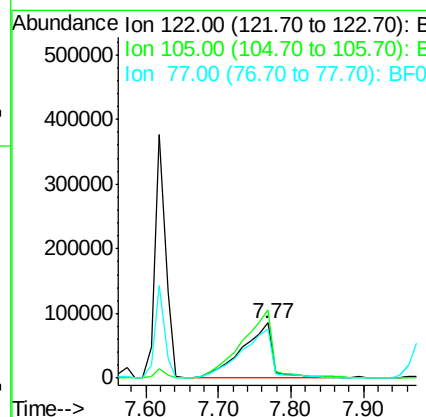
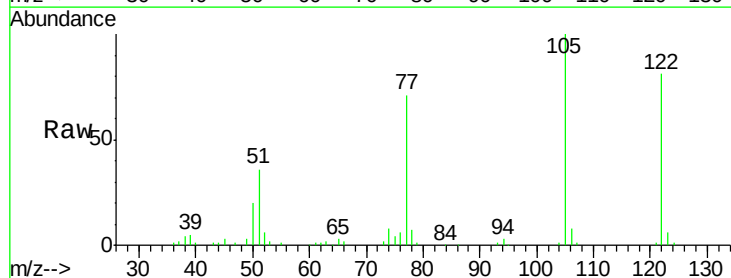
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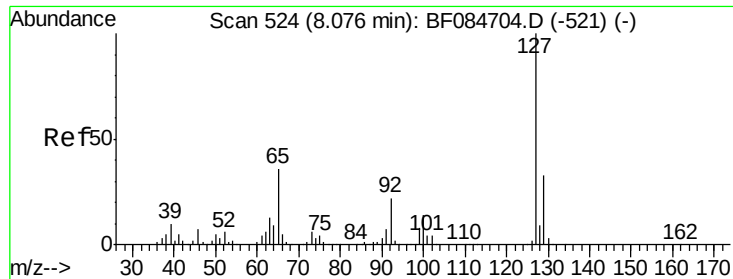
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#32  
Benzoic acid  
Concen: 34.93 ng  
RT: 7.77 min Scan# 497  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Tgt Ion:122 Resp: 247163  
Ion Ratio Lower Upper  
122 100  
105 123.3 100.3 140.3  
77 87.8 63.5 103.5





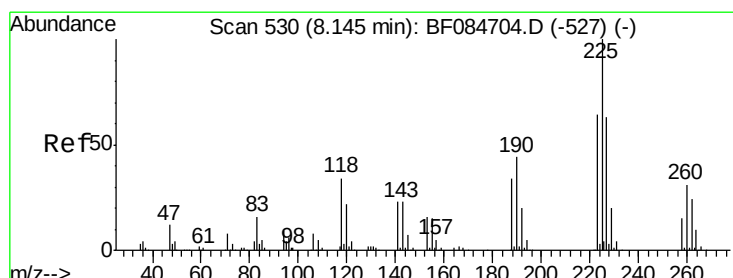
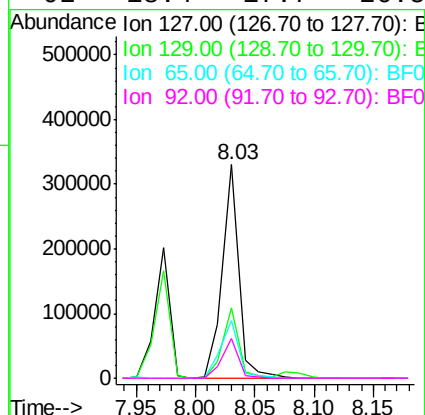
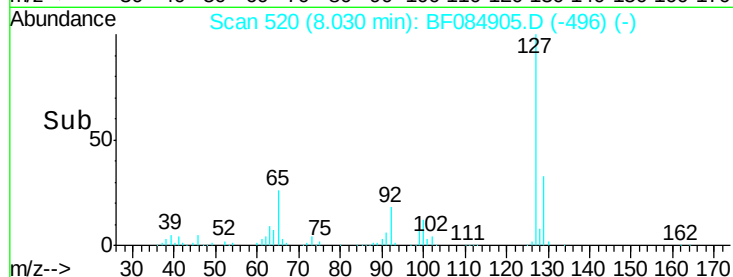
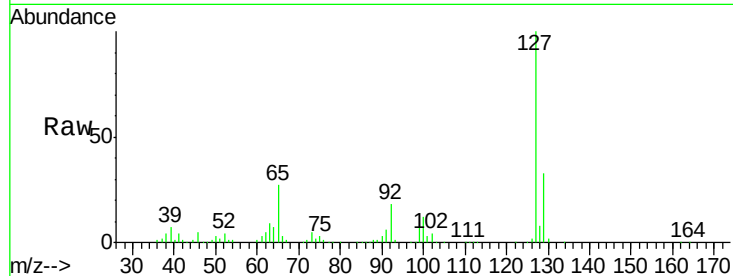
#33  
4-Chloroaniline  
Concen: 22.60 ng  
RT: 8.03 min Scan# 520  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampled :  
PB88196BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.8 | 26.5  | 39.7 |       |       |
| 65      | 26.9 | 27.2  | 40.8 |       |       |
| 92      | 18.4 | 17.7  | 26.5 |       |       |

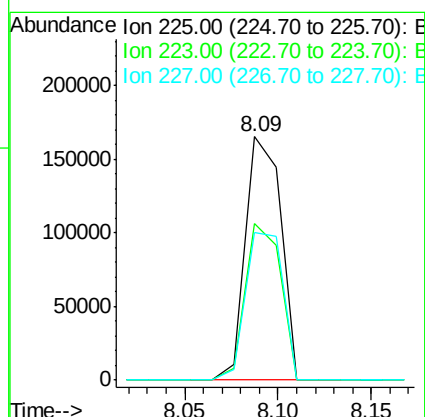
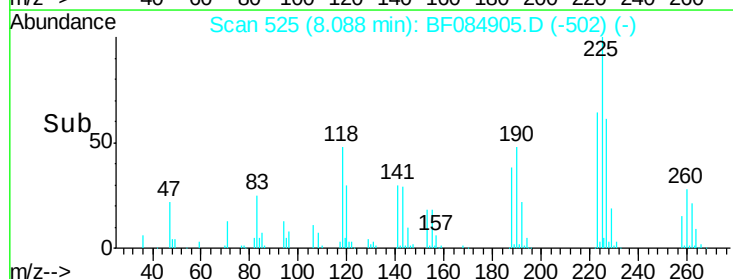
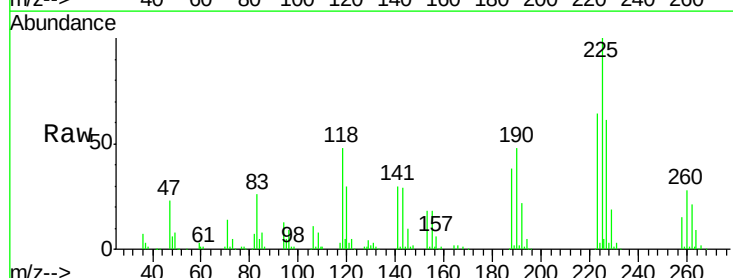
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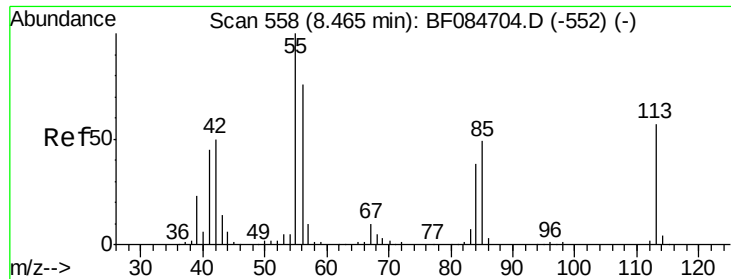
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#34  
Hexachlorobutadiene  
Concen: 35.74 ng  
RT: 8.09 min Scan# 525  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 64.2 | 49.4  | 74.0 |       |       |
| 227     | 60.9 | 50.8  | 76.2 |       |       |





#35

Caprolactam

Concen: 39.37 ng/mL

RT: 8.41 min Scan# 553

Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

ClientSampleID :

PB88196BS

Tot Ion:113 Resp: 114871  
Ion Ratio Lower Upper

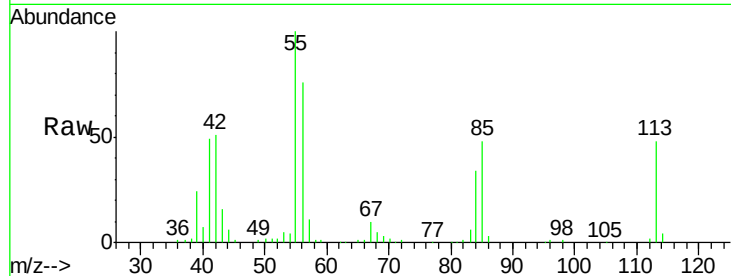
113 100

55 206.9 116.9 156.9#

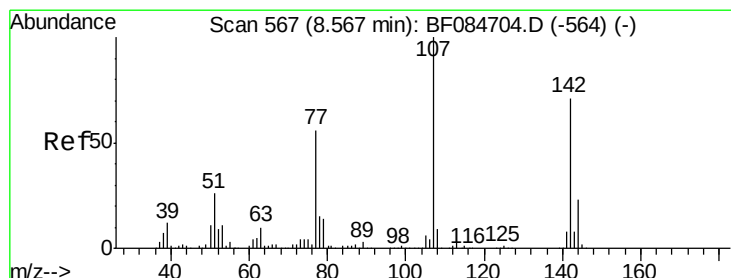
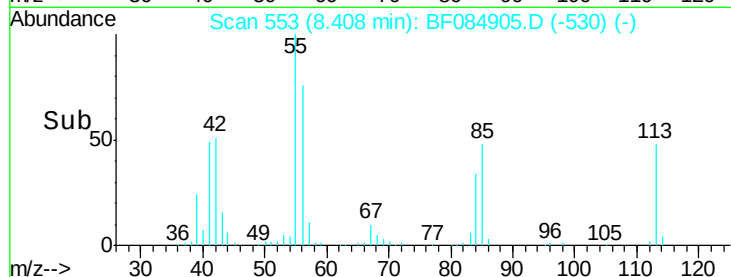
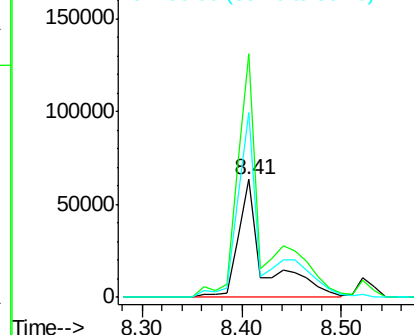
56 156.7 93.8 133.8#

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Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF0  
Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 36.97 ng/mL

RT: 8.52 min Scan# 563

Delta R.T. -0.02 min

Lab File: BF084905.D

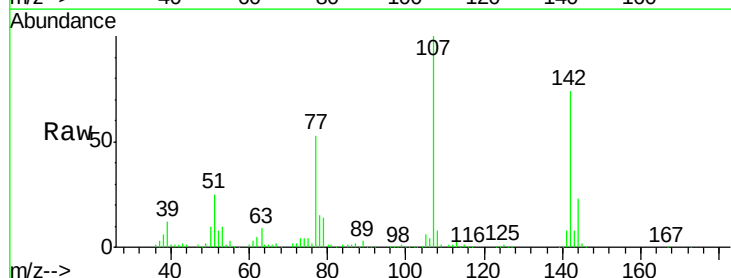
Acq: 6 Feb 2016 12:12

Tgt Ion:107 Resp: 399261  
Ion Ratio Lower Upper

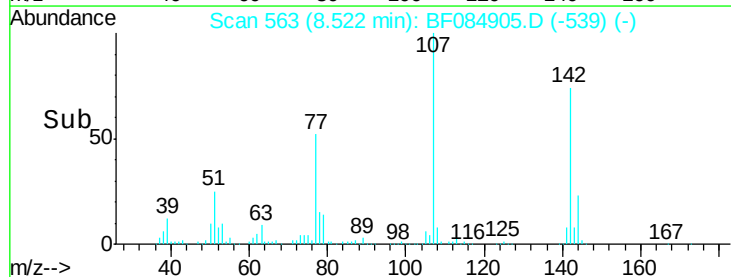
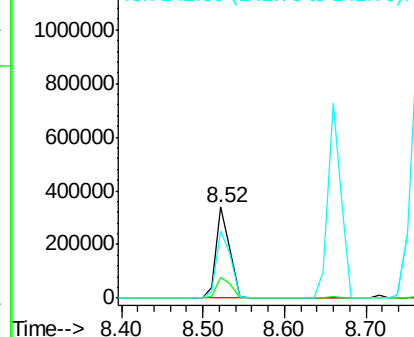
107 100

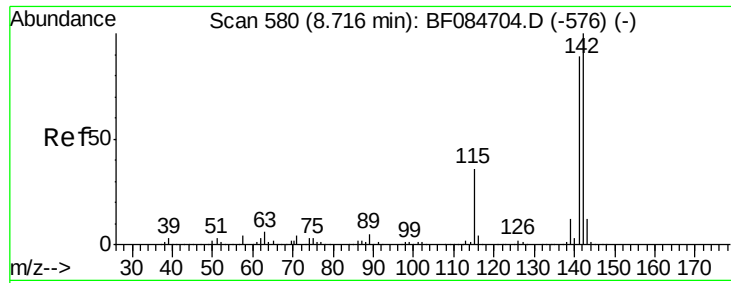
144 22.9 19.7 29.5

142 73.8 61.8 92.6



Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 144.00 (143.70 to 144.70): E  
Ion 142.00 (141.70 to 142.70): E





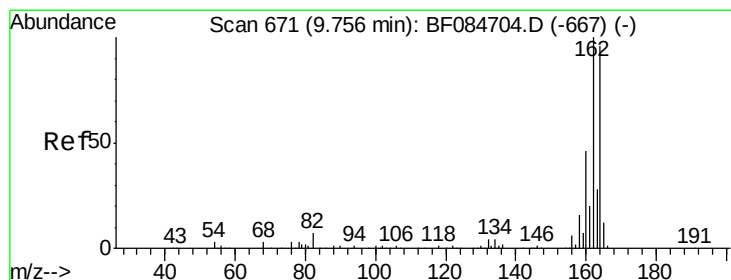
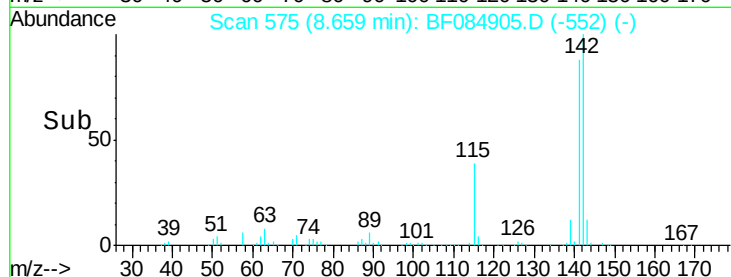
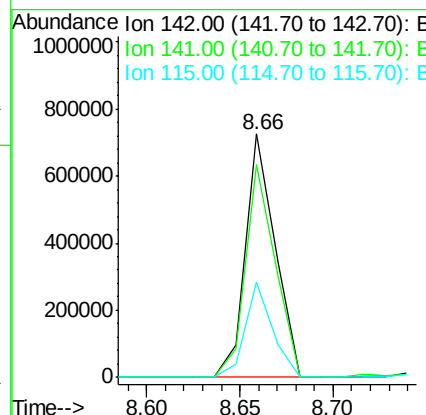
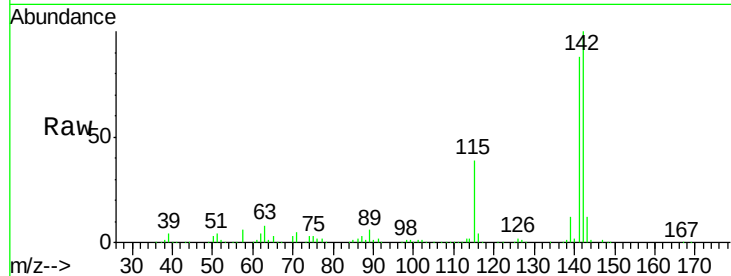
#37  
2-Methylnaphthalene  
Concen: 37.51 ng  
RT: 8.66 min Scan# 575  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.6  | 72.4  | 108.6 |
| 115     | 39.0  | 27.9  | 41.9  |

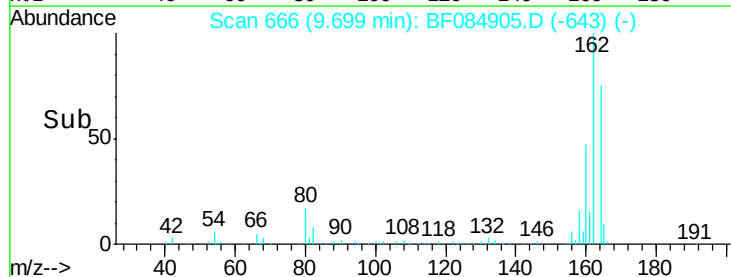
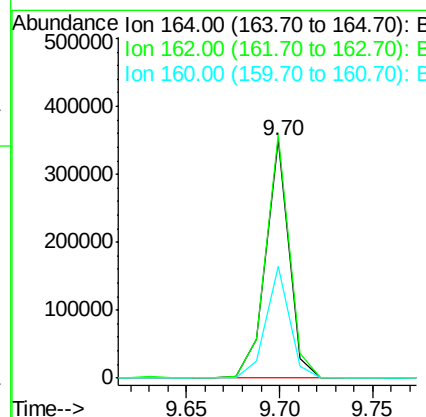
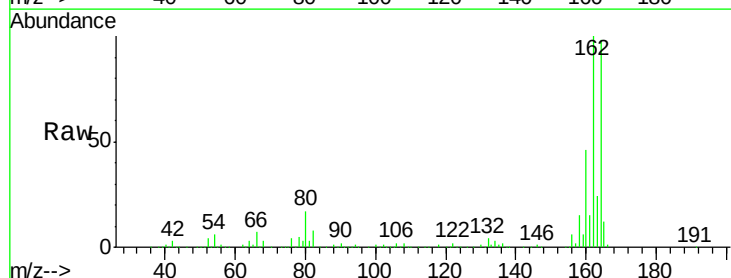
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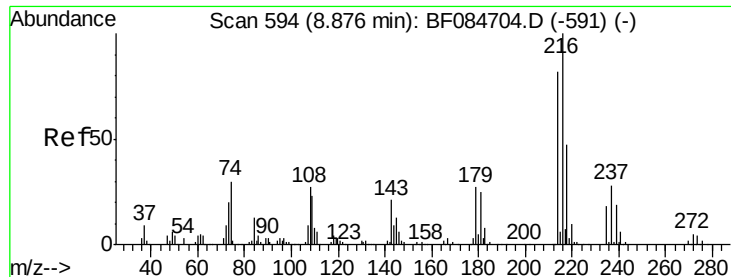
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.70 min Scan# 666  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.2 | 85.1  | 127.7 |
| 160     | 46.9  | 37.5  | 56.3  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.64 ng

RT: 8.83 min Scan# 590

Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

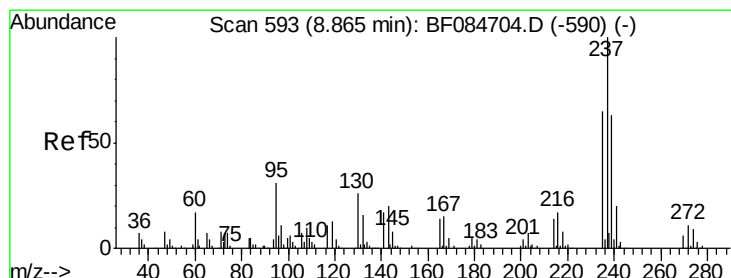
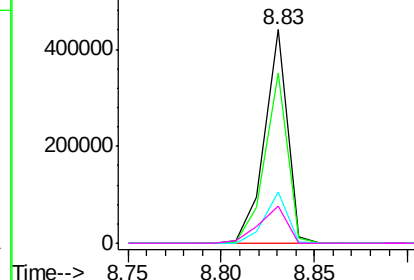
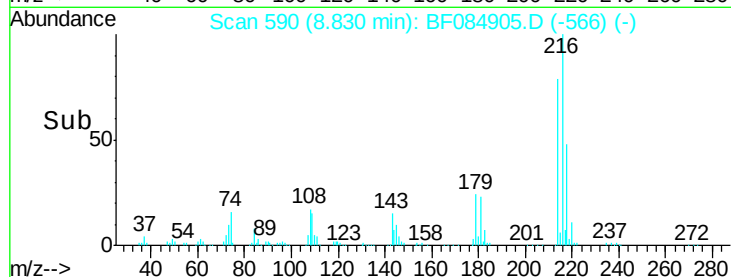
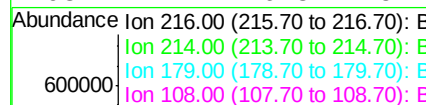
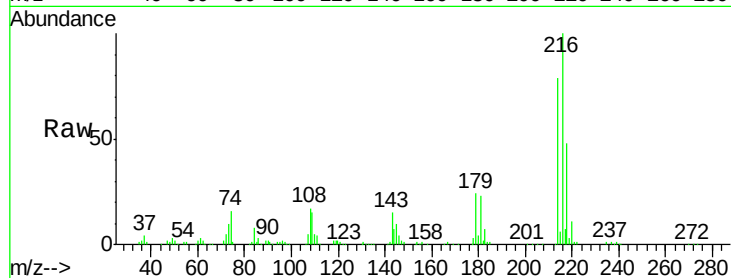
ClientSampleId :

PB88196BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 216     | 100  |       | 379277 |       |       |
| 214     | 79.3 |       | 64.2   | 96.2  |       |
| 179     | 23.8 |       | 18.7   | 28.1  |       |
| 108     | 21.2 |       | 16.8   | 25.2  |       |

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#40

Hexachlorocyclopentadiene

Concen: 60.81 ng

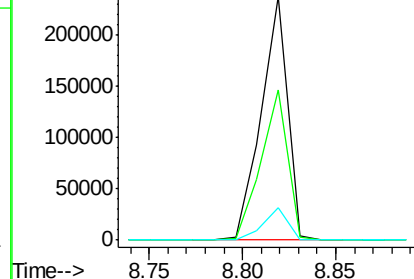
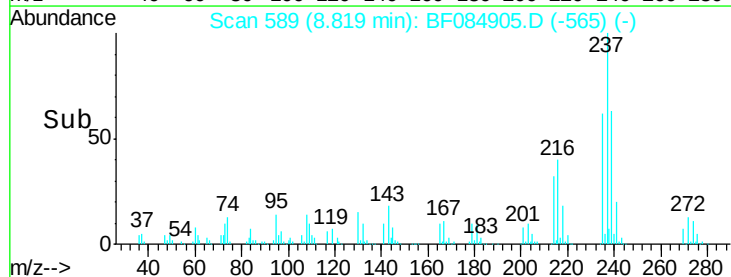
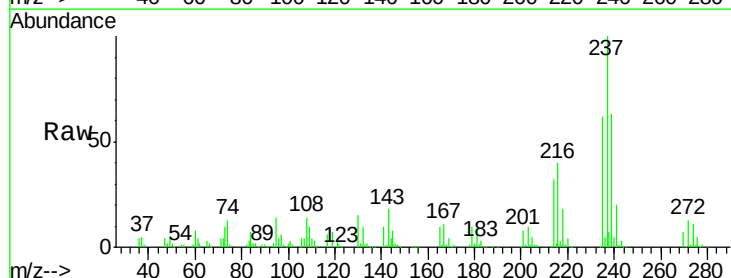
RT: 8.82 min Scan# 589

Delta R.T. -0.02 min

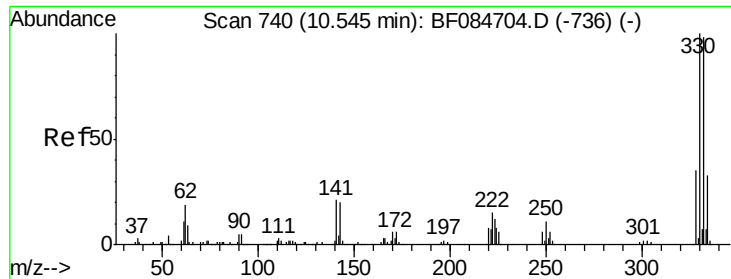
Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 237     | 100  |       | 231364 |       |       |
| 235     | 61.8 |       | 43.1   | 83.1  |       |
| 272     | 13.1 |       | 0.0    | 35.1  |       |







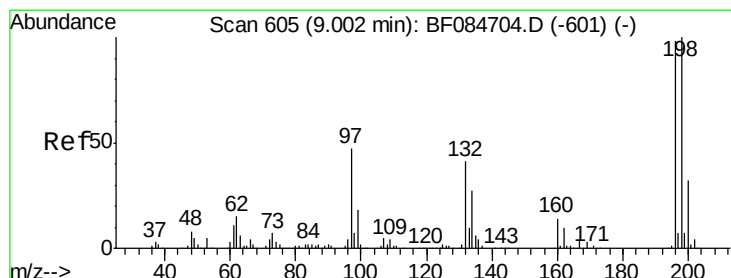
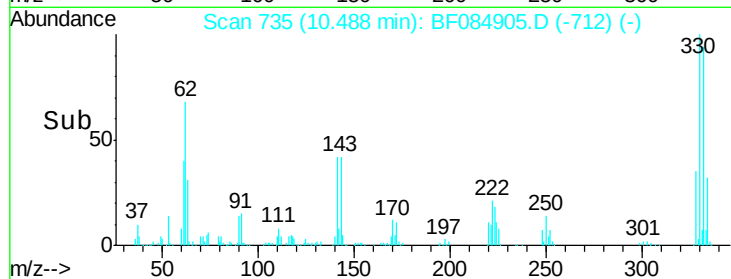
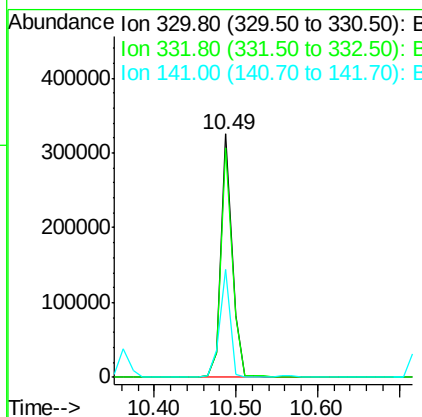
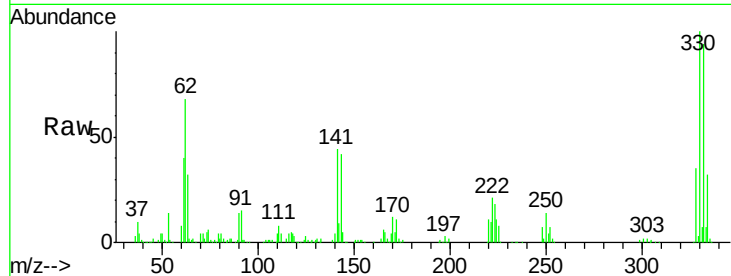
#41  
 2,4,6-Tribromophenol  
 Concen: 98.94 ng  
 RT: 10.49 min Scan# 735  
 Delta R.T. -0.03 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88196BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 310904 |       |       |
| 332     | 95.3  | 76.6   | 114.8 |       |
| 141     | 41.7  | 27.8   | 41.6# |       |

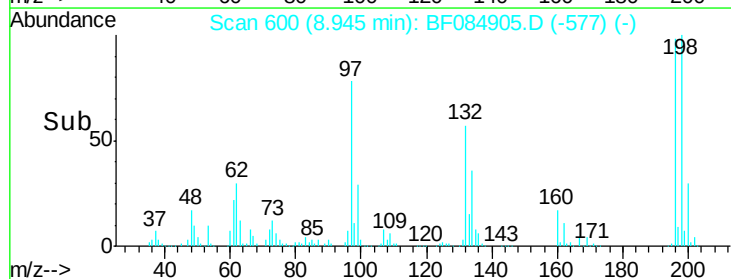
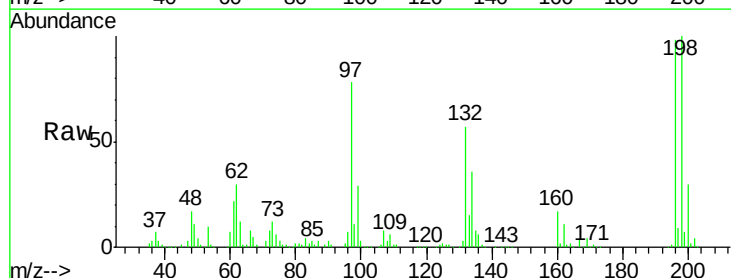
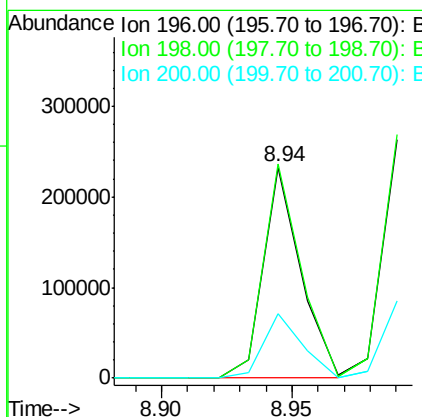
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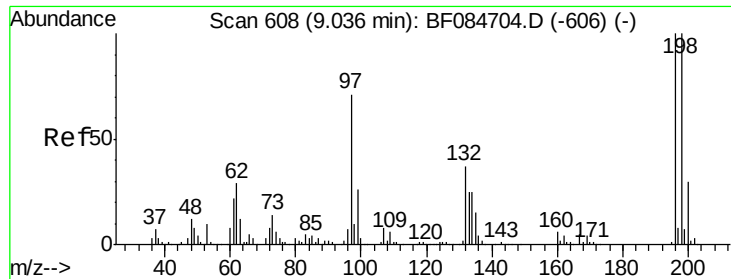
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#42  
 2,4,6-Trichlorophenol  
 Concen: 38.02 ng  
 RT: 8.94 min Scan# 600  
 Delta R.T. -0.03 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 234352 |       |       |
| 198     | 101.9 | 77.7   | 116.5 |       |
| 200     | 30.6  | 24.6   | 37.0  |       |





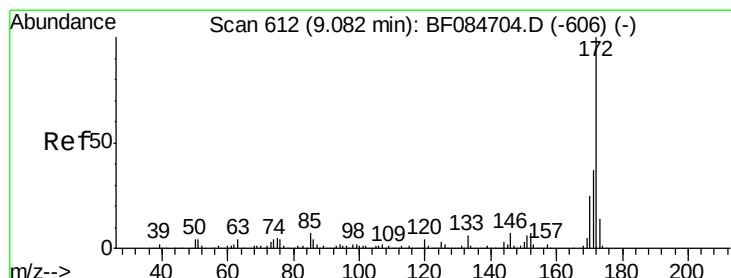
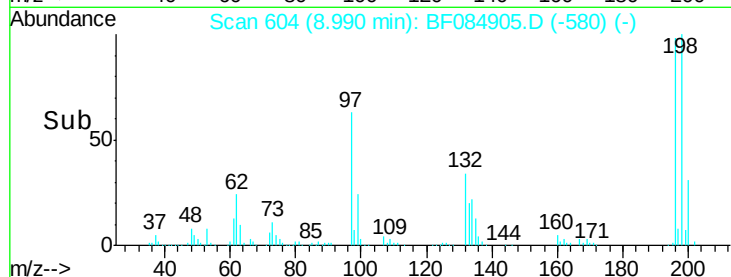
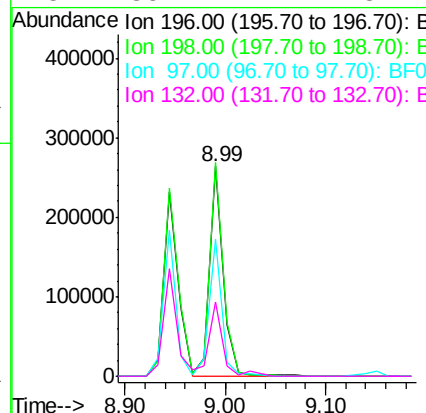
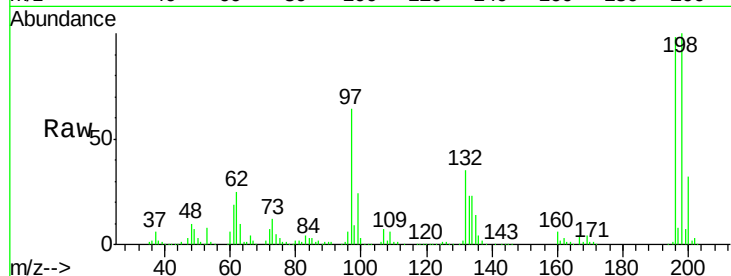
#43  
 2,4,5-Trichlorophenol  
 Concen: 39.14 ng  
 RT: 8.99 min Scan# 604  
 Delta R.T. -0.02 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88196BS

| Tot Ion   | 196   | Resp  | 245103 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 102.0 | 79.0  | 118.6  |
| 97        | 65.6  | 33.0  | 49.6#  |
| 132       | 35.7  | 21.1  | 31.7#  |

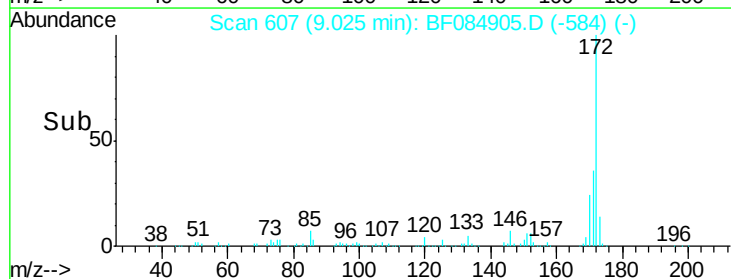
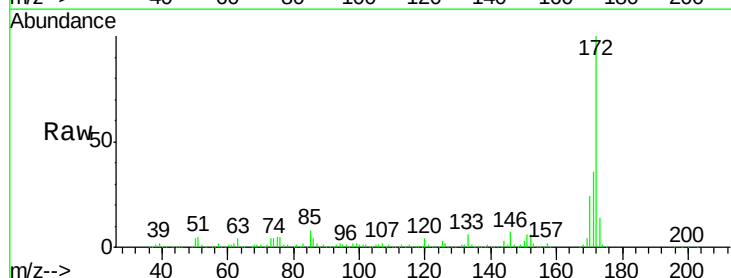
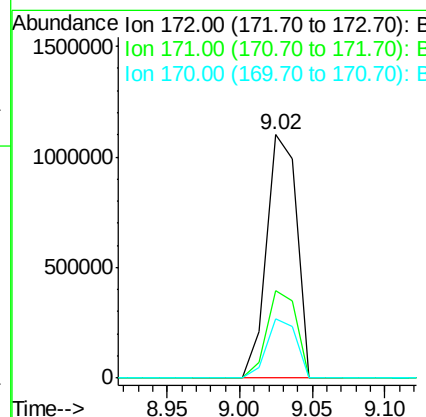
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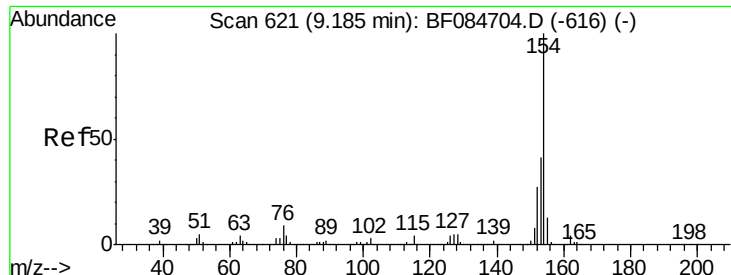
UMANGI  
 2/8/2016 3:04:33 PM



#44  
 2-Fluorobiphenyl  
 Concen: 90.54 ng  
 RT: 9.02 min Scan# 607  
 Delta R.T. -0.03 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

| Tgt Ion   | 172   | Resp  | 1584244 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.0  | 28.9  | 43.3    |
| 170       | 24.3  | 18.6  | 27.8    |





#45

1,1'-Biphenyl

Concen: 37.77 ng

RT: 9.13 min Scan# 616

Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

ClientSampleId :

PB88196BS

Tot Ion:154 Resp: 1016292

Ion Ratio Lower Upper

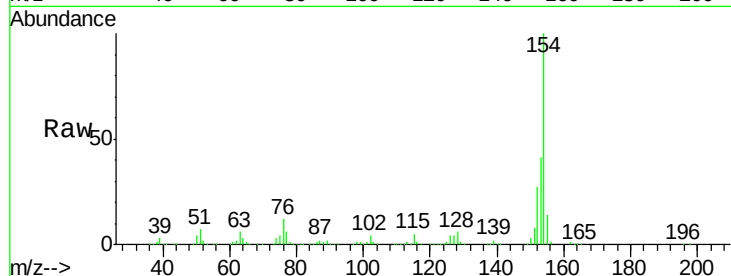
154 100

153 41.1 21.6 61.6

76 11.9 0.0 32.7

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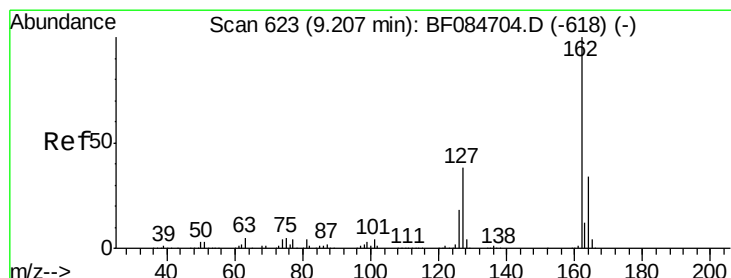
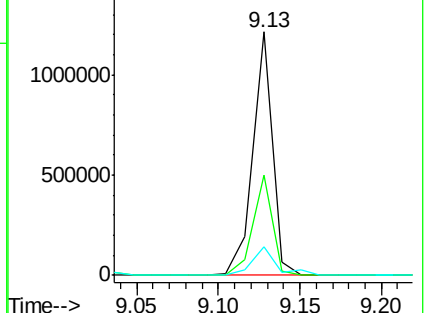
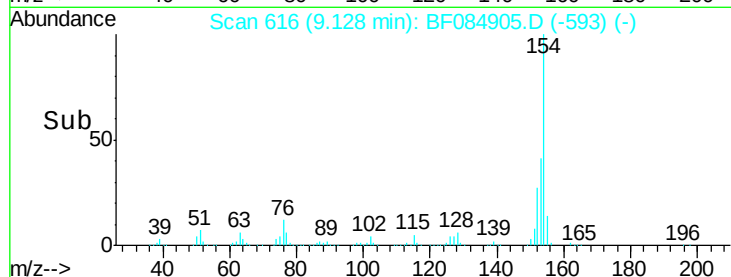
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 39.74 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

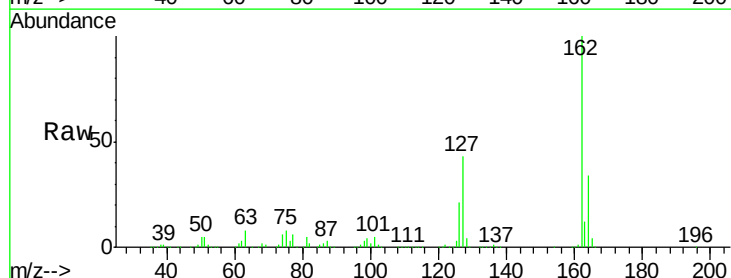
Tgt Ion:162 Resp: 787520

Ion Ratio Lower Upper

162 100

127 43.0 40.2 60.4

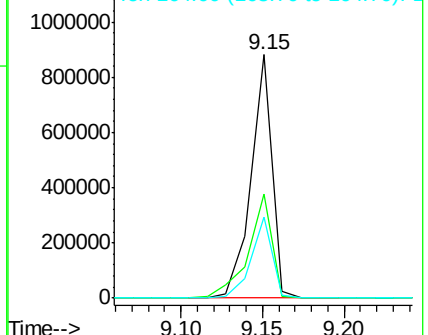
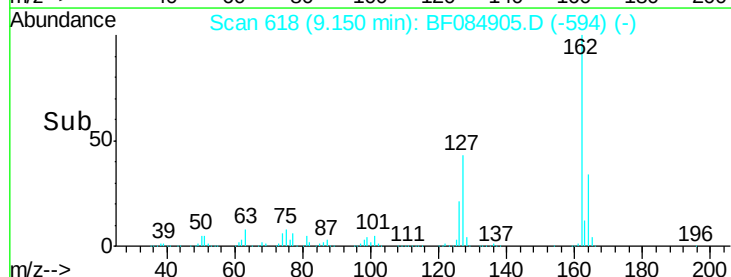
164 33.5 25.7 38.5

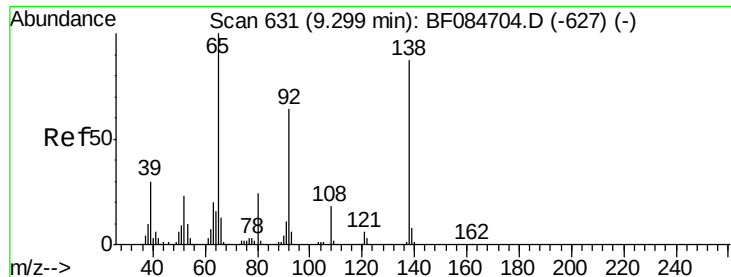


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 42.95 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

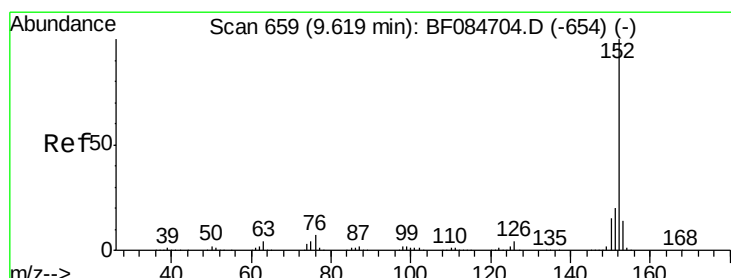
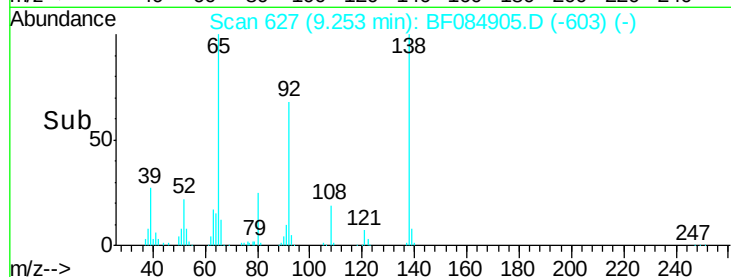
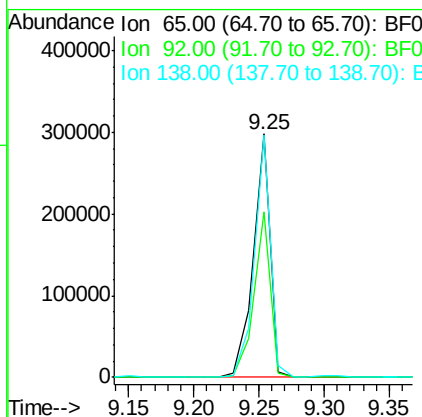
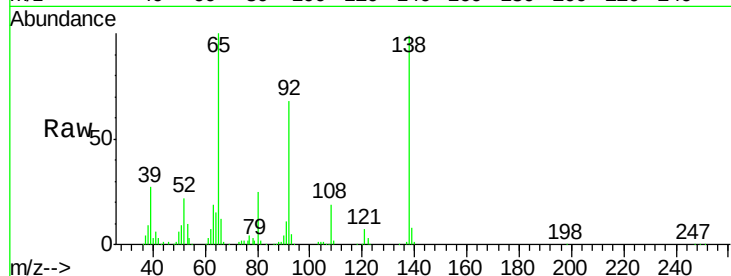
ClientSampleId :

PB88196BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 65    | Resp: | 269507 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 68.2  | 53.4  | 80.2   |
| 138       | 99.4  | 71.1  | 106.7  |

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#48

Acenaphthylene

Concen: 38.85 ng

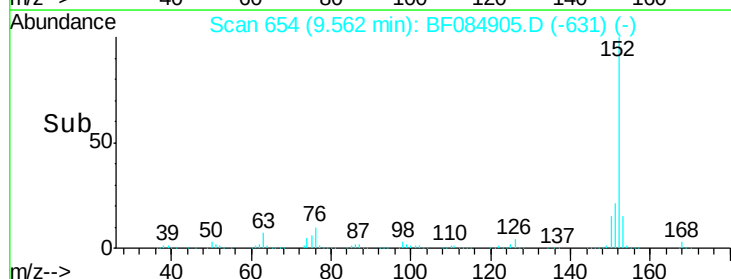
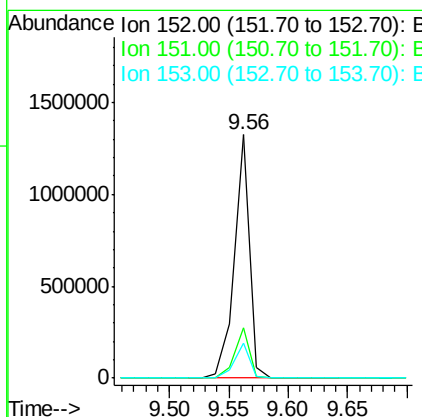
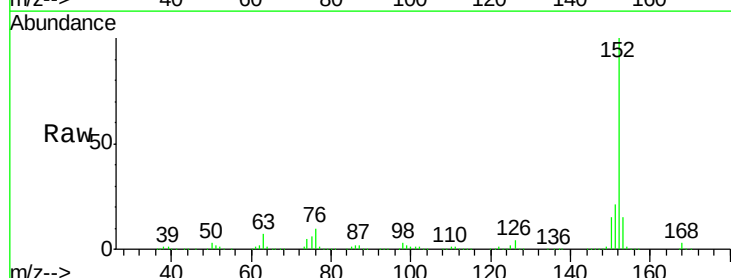
RT: 9.56 min Scan# 654

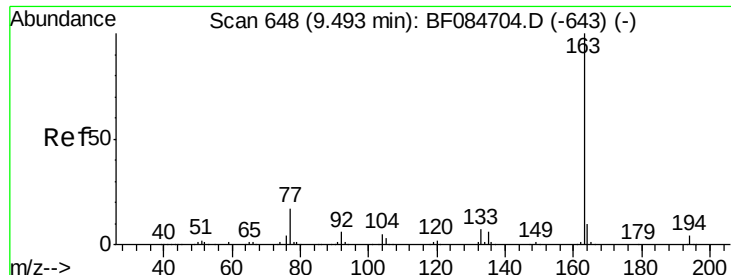
Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 152   | Resp: | 1168336 |
| Ion Ratio | Lower | Upper |         |
| 152       | 100   |       |         |
| 151       | 20.6  | 16.3  | 24.5    |
| 153       | 14.5  | 10.4  | 15.6    |





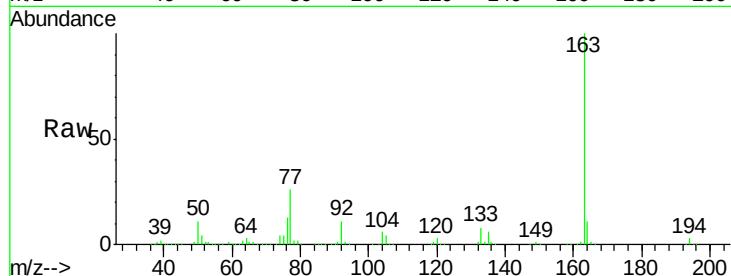
#49  
Dimethylphthalate  
Concen: 36.92 ng  
RT: 9.44 min Scan# 643  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 847078 |       |       |
| 194     | 3.2   | 8.0    | 12.0# |       |
| 164     | 11.0  | 8.0    | 12.0  |       |

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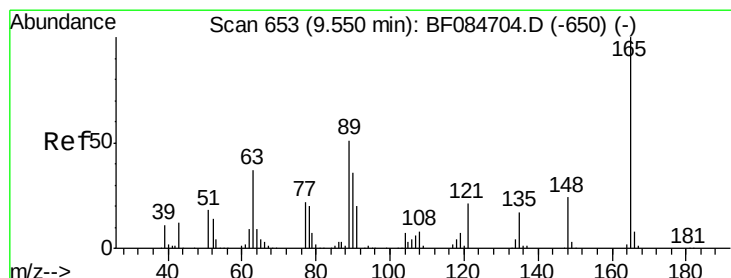
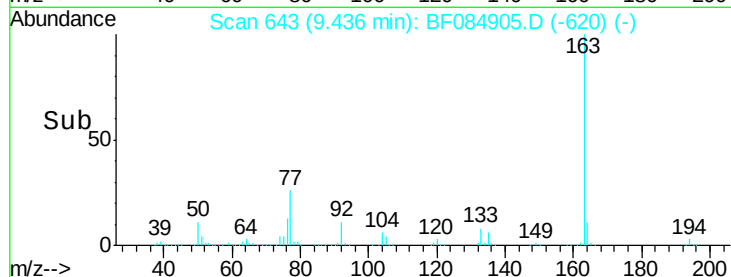
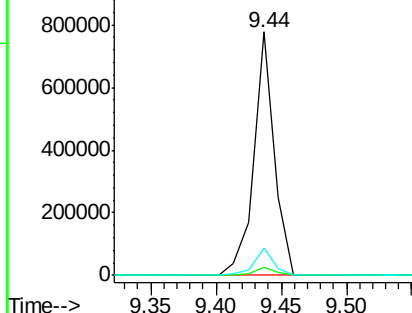


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50  
2,6-Dinitrotoluene  
Concen: 36.91 ng  
RT: 9.49 min Scan# 648  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

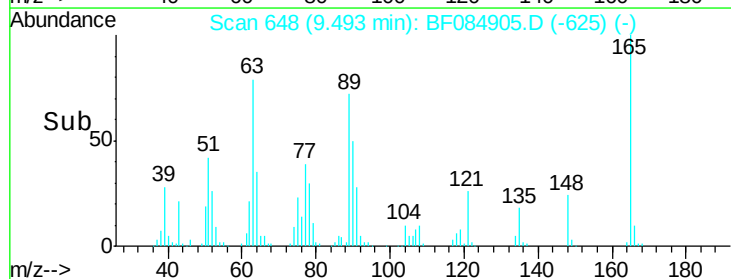
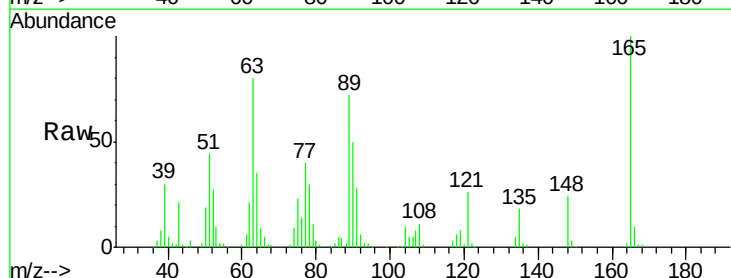
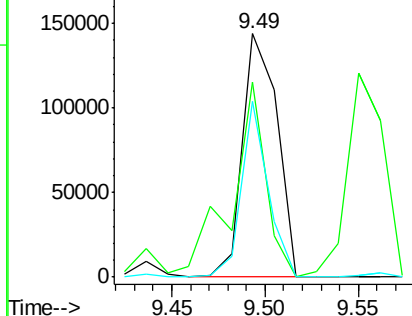
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 185032 |       |       |
| 63      | 80.3  | 28.8   | 43.2# |       |
| 89      | 72.3  | 35.1   | 52.7# |       |

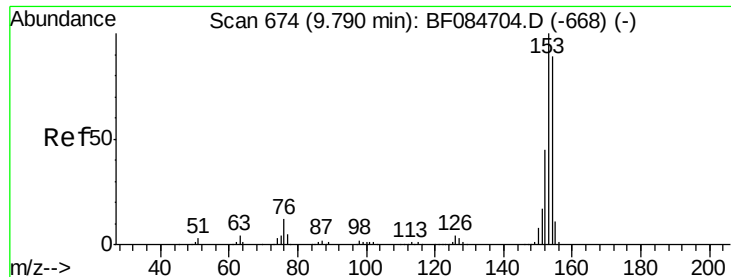
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 37.89 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

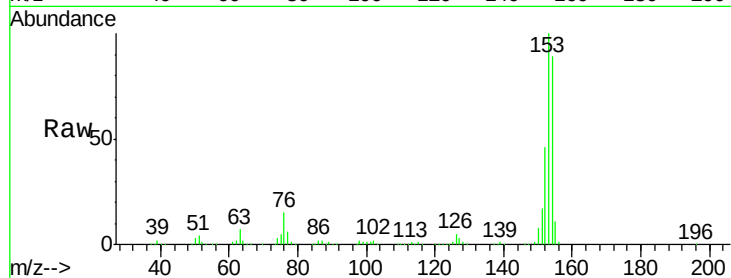
ClientSampleId :

PB88196BS

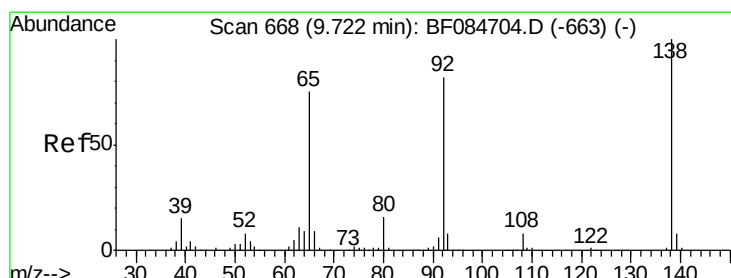
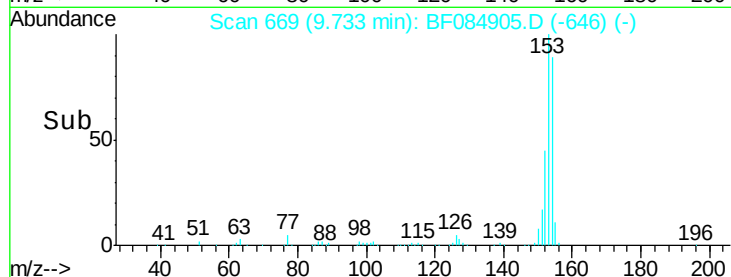
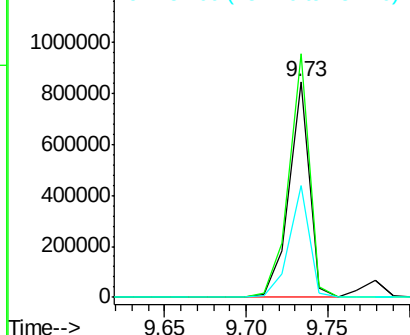
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 741342 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 112.8 | 91.5  | 137.3  |
| 152       | 51.5  | 43.0  | 64.6   |

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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 28.32 ng

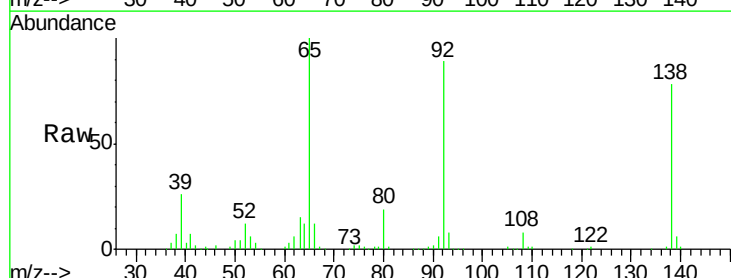
RT: 9.66 min Scan# 663

Delta R.T. -0.03 min

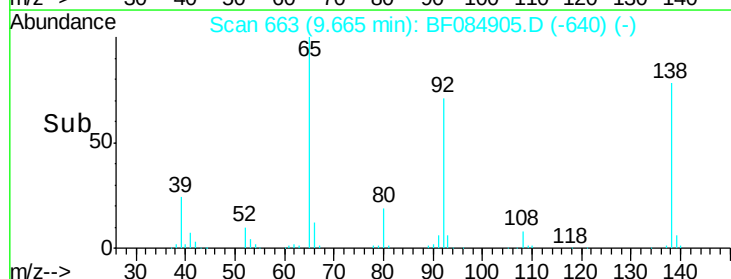
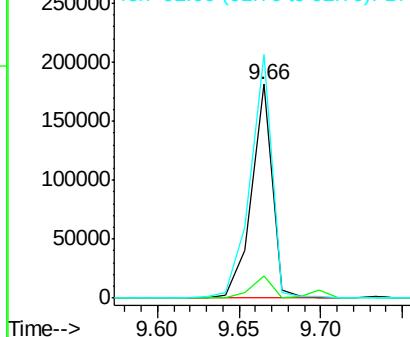
Lab File: BF084905.D

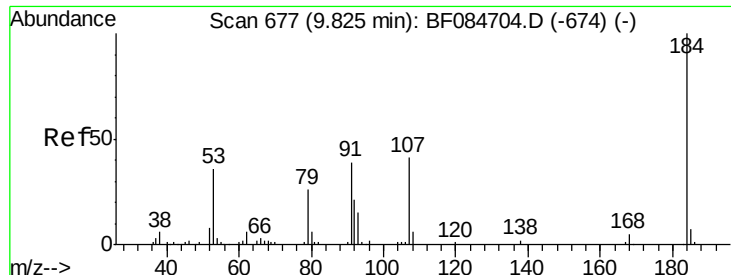
Acq: 6 Feb 2016 12:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 159520 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 10.7  | 10.5  | 15.7   |
| 92        | 114.0 | 103.9 | 155.9  |



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF0





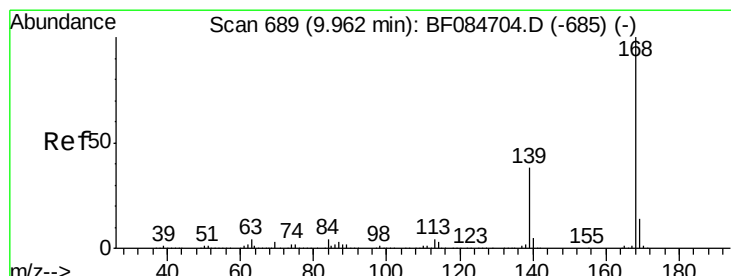
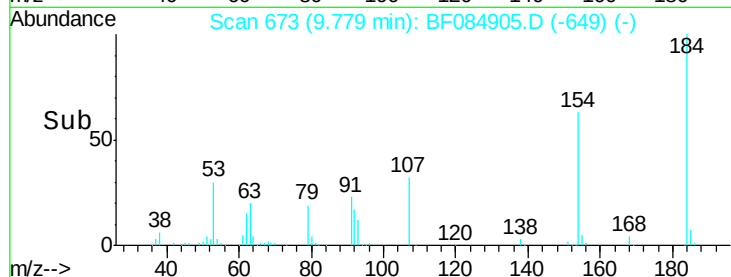
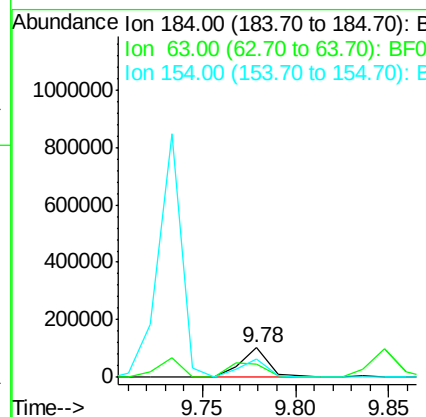
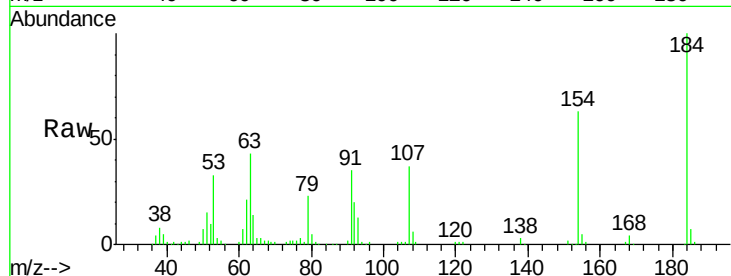
#53  
2,4-Dinitrophenol  
Concen: 49.40 ng  
RT: 9.78 min Scan# 673  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampled :  
PB88196BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 63      | 43.3  | 43.1 | 64.7  |       |
| 154     | 62.8  | 60.5 | 90.7  |       |

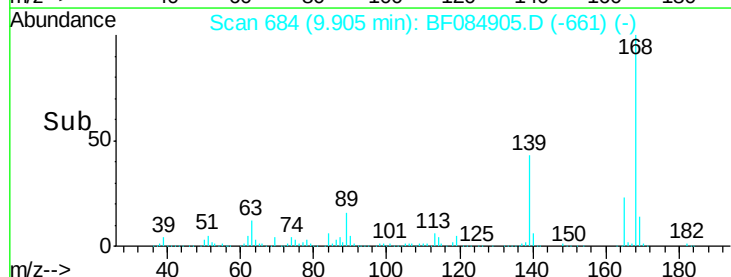
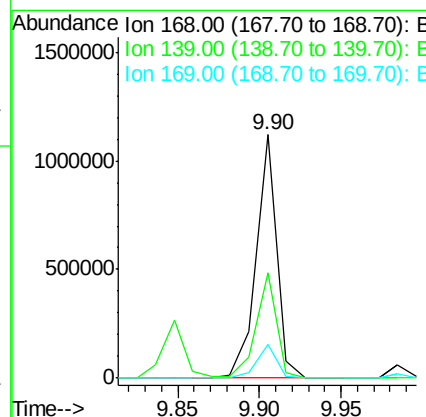
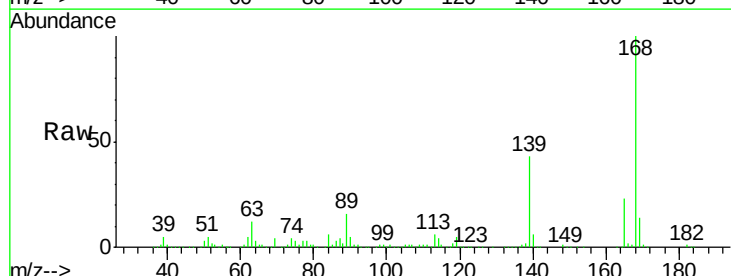
Manual Integrations  
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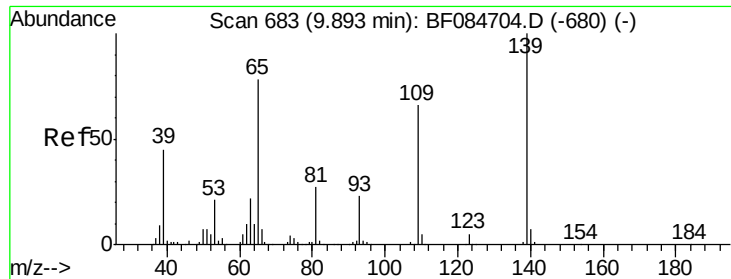
UMANGI  
2/8/2016 3:04:33 PM



#54  
Dibenzofuran  
Concen: 40.85 ng  
RT: 9.90 min Scan# 684  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 43.2  | 30.5 | 45.7  |       |
| 169     | 13.9  | 10.4 | 15.6  |       |





#55

4-Nitrophenol

Concen: 60.49 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

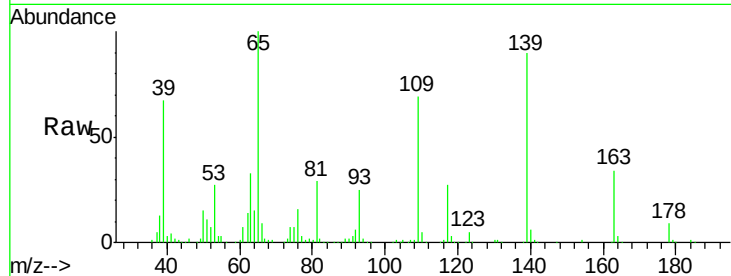
ClientSampleId :

PB88196BS

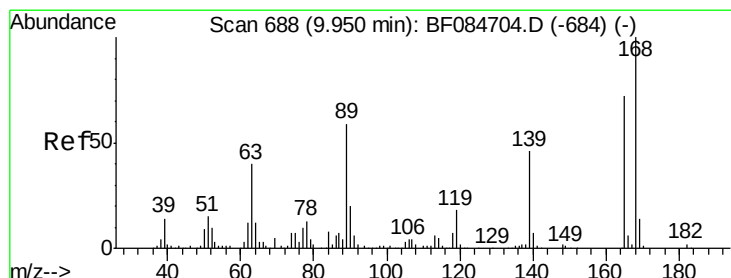
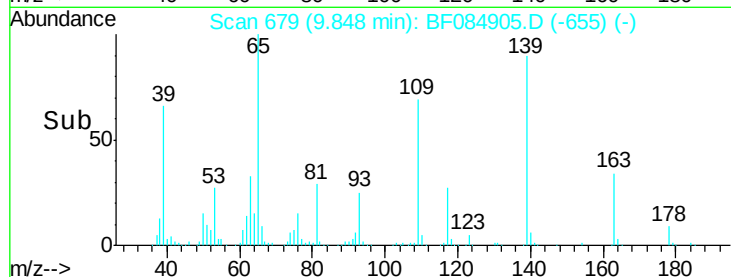
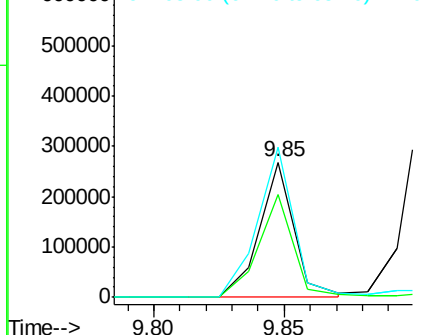
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 139   | Resp: | 250383 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 76.4  | 58.5  | 98.5   |
| 65        | 111.1 | 57.6  | 97.6#  |

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Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 41.72 ng

RT: 9.90 min Scan# 684

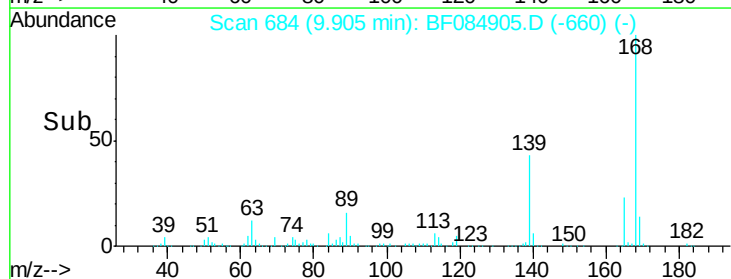
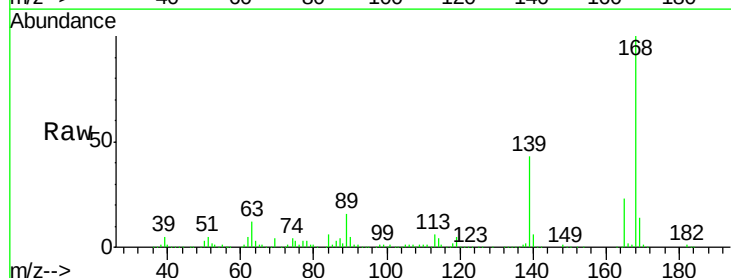
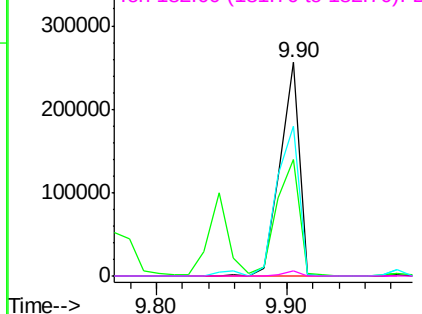
Delta R.T. -0.02 min

Lab File: BF084905.D

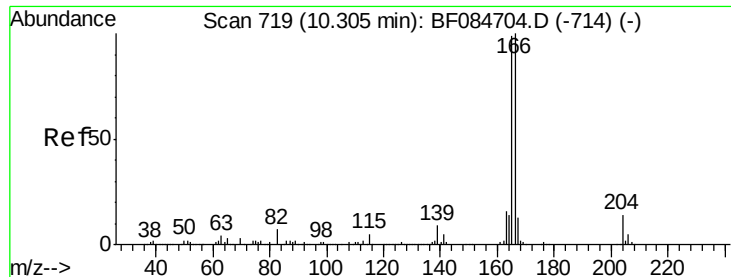
Acq: 6 Feb 2016 12:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 266703 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 54.4  | 36.7  | 55.1   |
| 89        | 70.2  | 61.9  | 92.9   |
| 182       | 2.4   | 2.0   | 3.0    |

Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E







#57

Fluorene

Concen: 41.02 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

ClientSampleId :

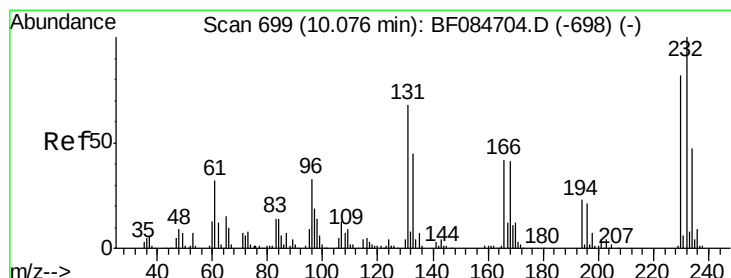
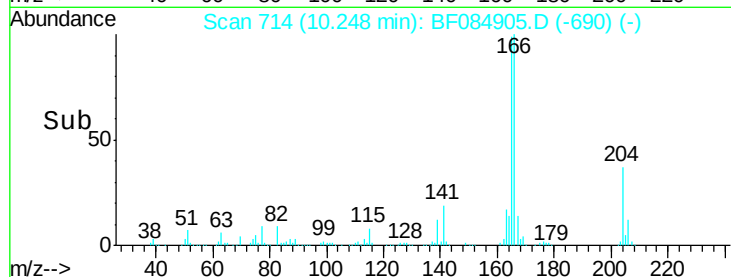
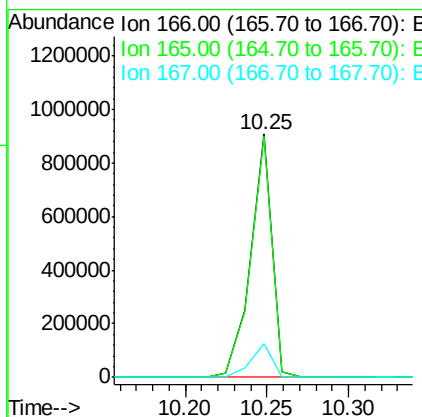
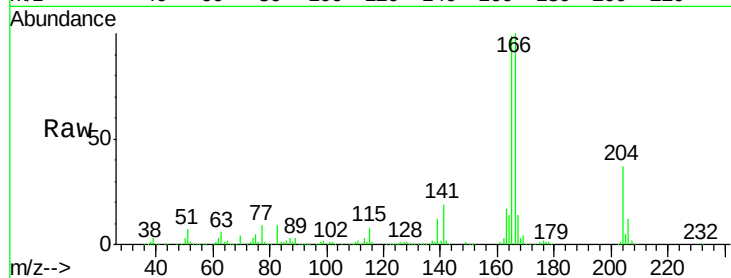
PB88196BS

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| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 166     | 100  |       |       |       |       |
| 165     | 98.8 | 79.1  | 118.7 |       |       |
| 167     | 13.7 | 10.4  | 15.6  |       |       |



#58

2,3,4,6-Tetrachlorophenol

Concen: 44.73 ng

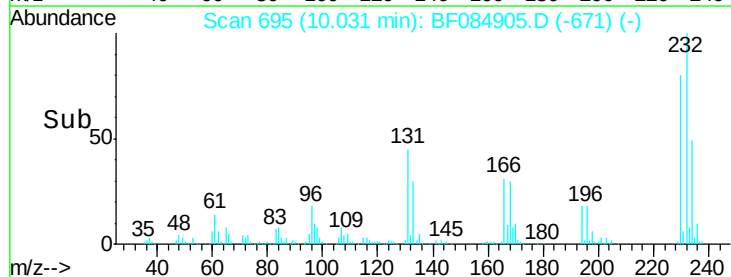
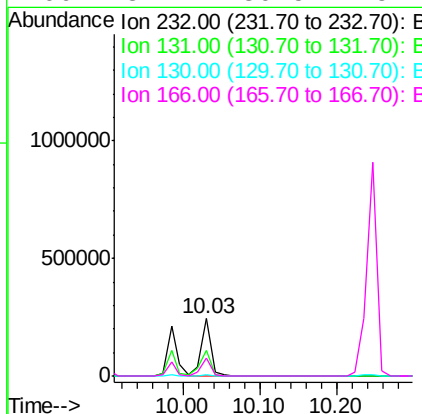
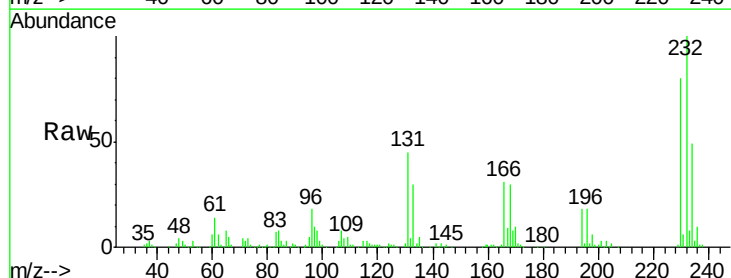
RT: 10.03 min Scan# 695

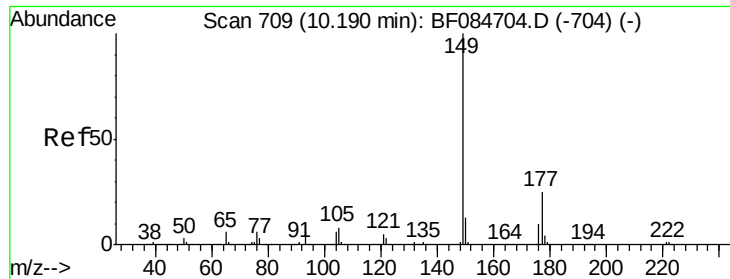
Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 232     | 100  |       |      |       |       |
| 131     | 49.7 | 47.0  | 70.6 |       |       |
| 130     | 2.0  | 2.0   | 3.0  |       |       |
| 166     | 32.2 | 30.5  | 45.7 |       |       |





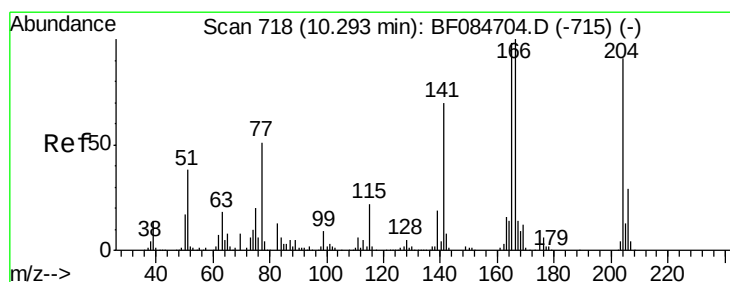
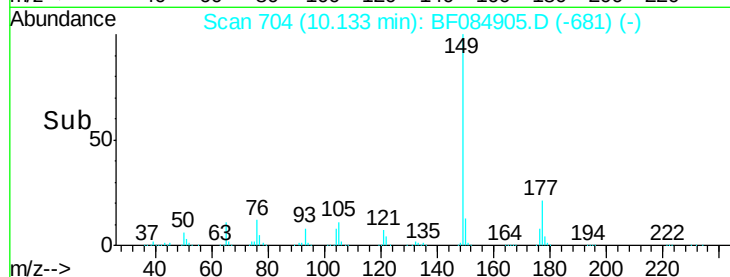
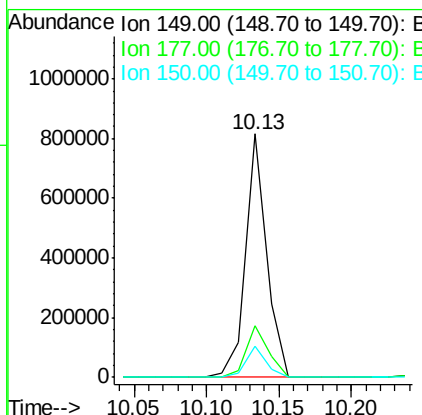
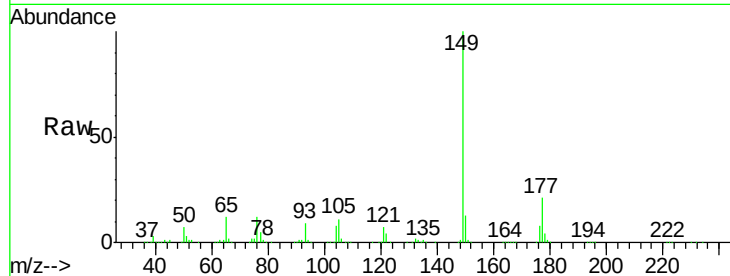
#59  
Diethylphthalate  
Concen: 36.59 ng  
RT: 10.13 min Scan# 704  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampled :  
PB88196BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 819701 |       |       |
| 177     | 21.4  | 17.3   | 25.9  |       |
| 150     | 12.9  | 9.8    | 14.8  |       |

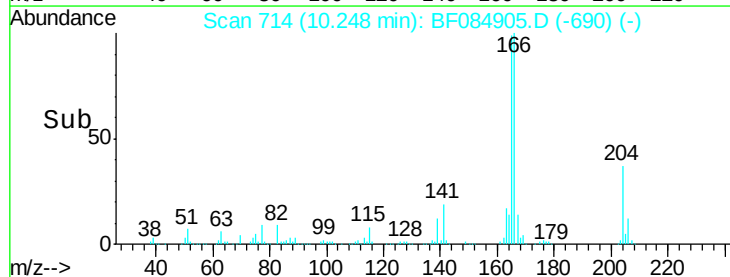
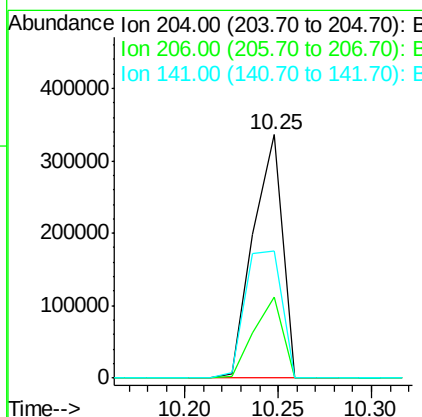
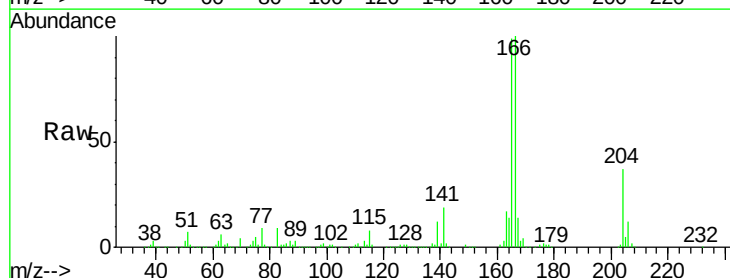
Manual Integrations  
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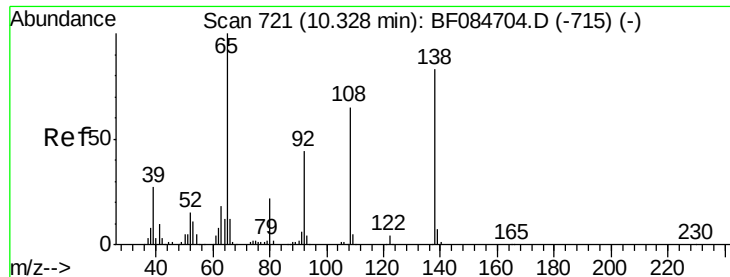
UMANGI  
2/8/2016 3:04:33 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 44.19 ng  
RT: 10.25 min Scan# 714  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 371762 |       |       |
| 206     | 33.1  | 25.7   | 38.5  |       |
| 141     | 52.0  | 55.1   | 82.7# |       |





#61

4-Nitroaniline

Concen: 38.56 ng

RT: 10.28 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

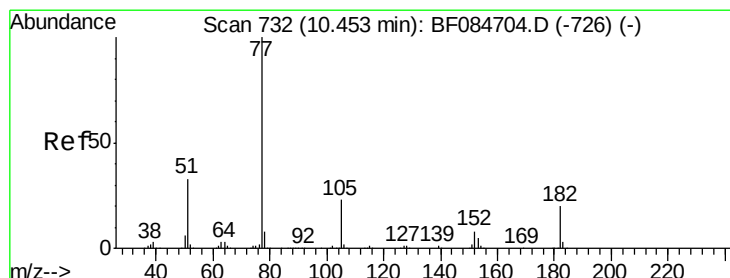
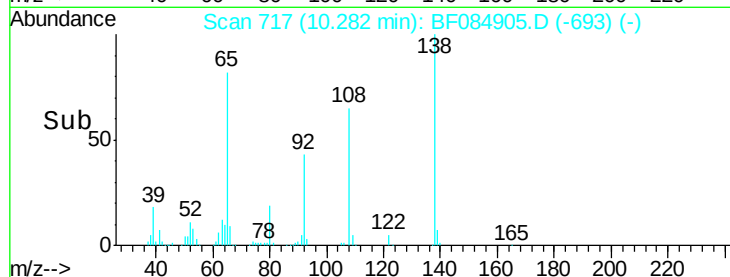
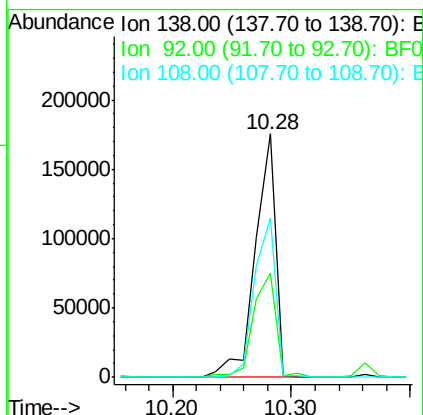
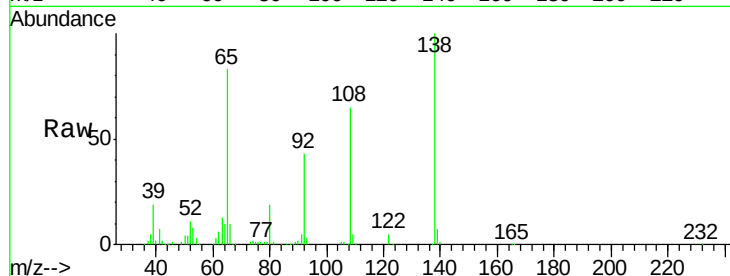
ClientSampleId :

PB88196BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 42.9  | 32.6  | 72.6  |
| 108     | 65.4  | 68.6  | 108.6 |

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2/8/2016 3:04:33 PM



#62

Azobenzene

Concen: 41.51 ng

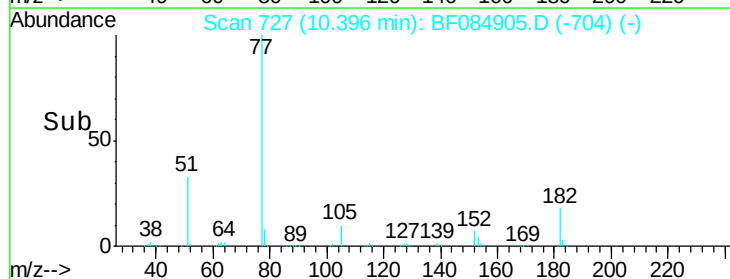
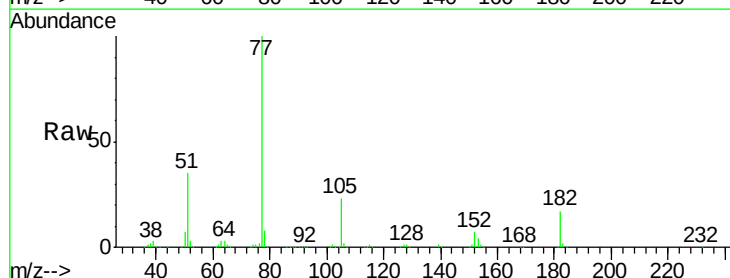
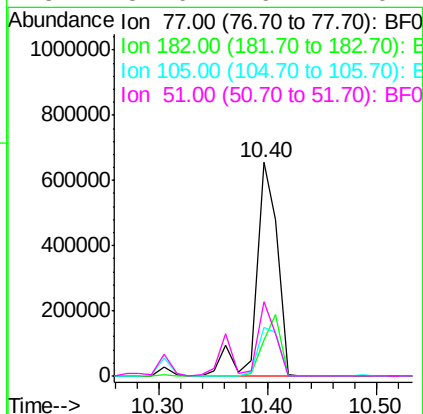
RT: 10.40 min Scan# 727

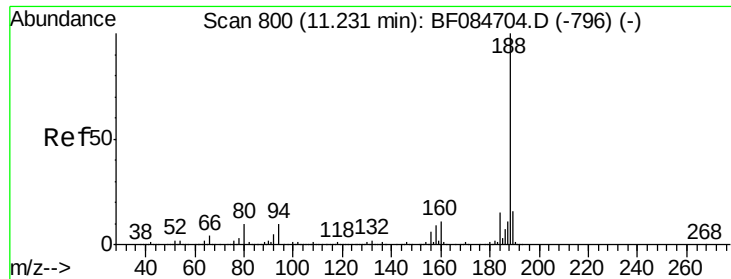
Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 16.8  | 8.3   | 48.3  |
| 105     | 22.7  | 4.6   | 44.6  |
| 51      | 34.6  | 6.2   | 46.2  |





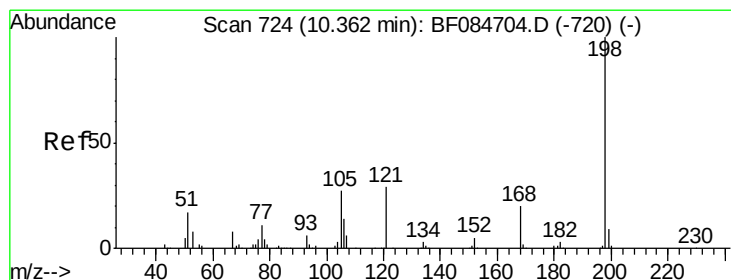
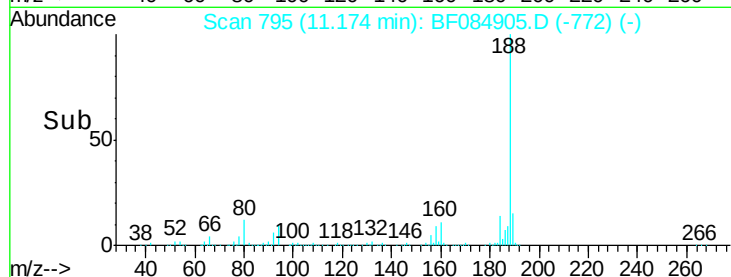
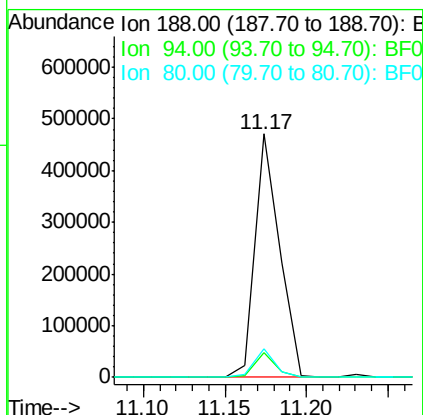
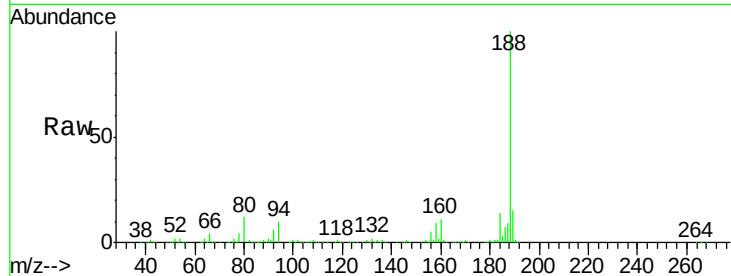
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.17 min Scan# 795  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 494333 |       |       |
| 94      | 10.3  |        | 9.0   | 13.4  |
| 80      | 11.7  |        | 9.6   | 14.4  |

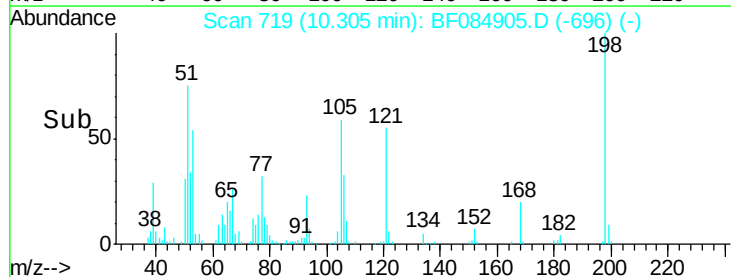
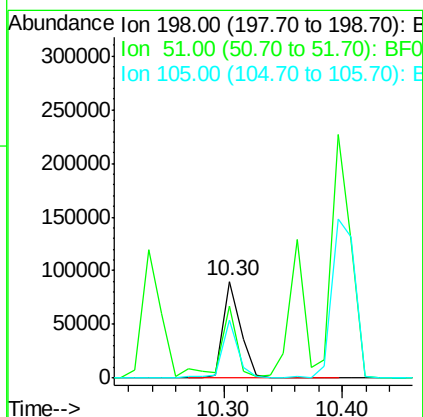
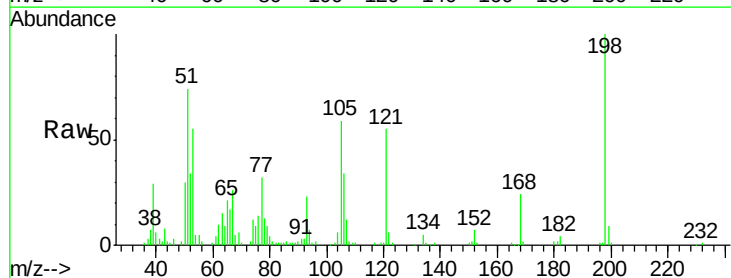
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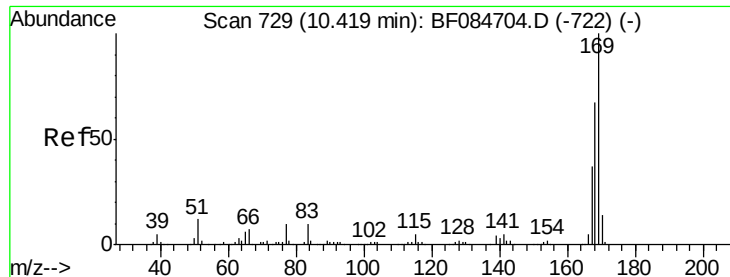
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 30.50 ng  
RT: 10.30 min Scan# 719  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 93057 |       |       |
| 51      | 74.0  |       | 18.9  | 58.9# |
| 105     | 59.2  |       | 26.4  | 66.4  |





#65

n-Nitrosodiphenylamine

Concen: 41.76 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

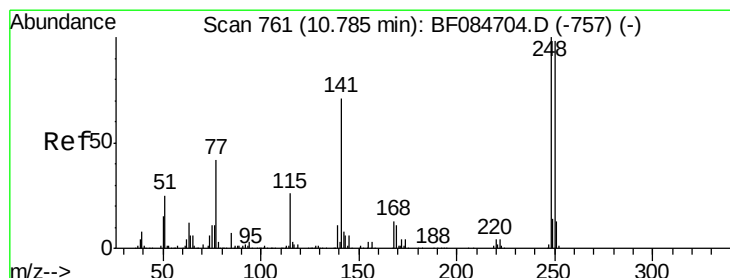
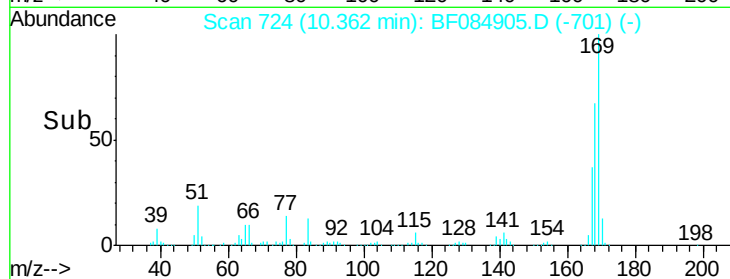
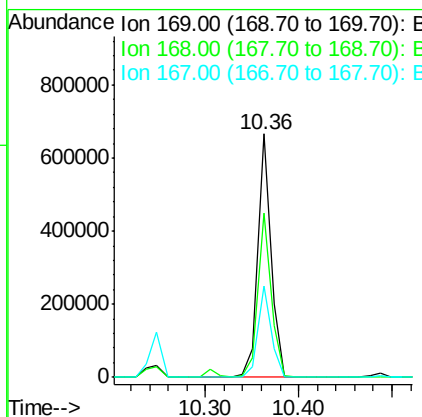
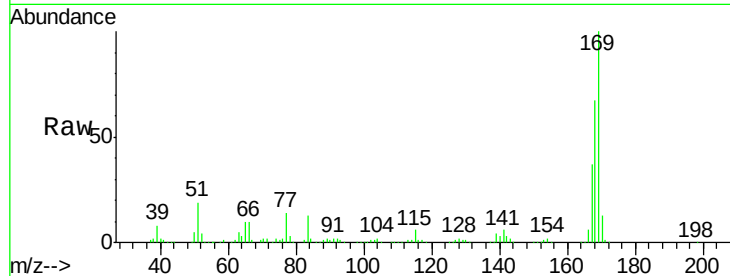
ClientSampleId :

PB88196BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 169   | Resp: | 655435 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 67.3  | 55.1  | 82.7   |
| 167       | 37.4  | 30.0  | 45.0   |

Manual Integrations  
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#66

4-Bromophenyl-phenylether

Concen: 42.04 ng

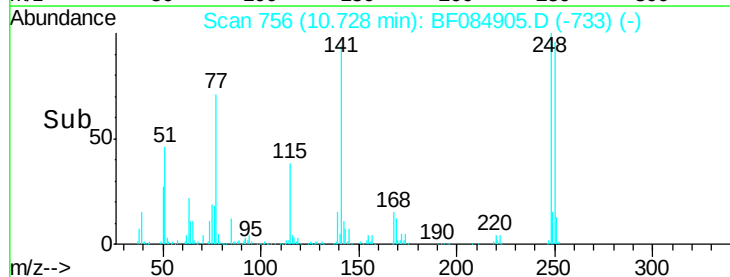
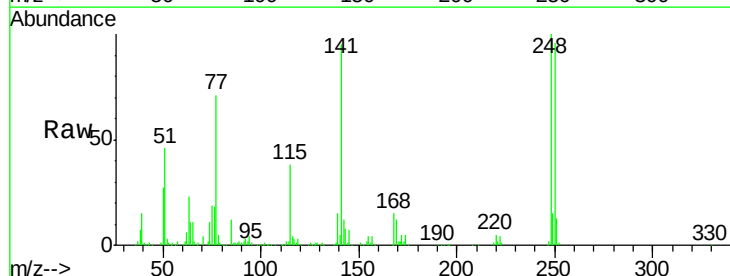
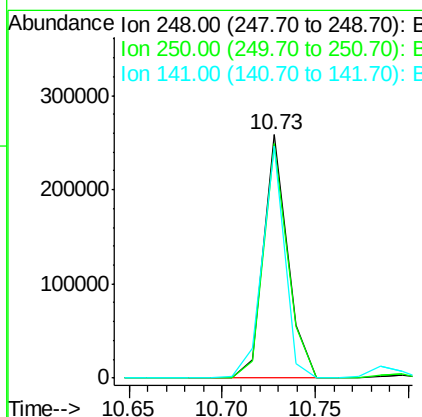
RT: 10.73 min Scan# 756

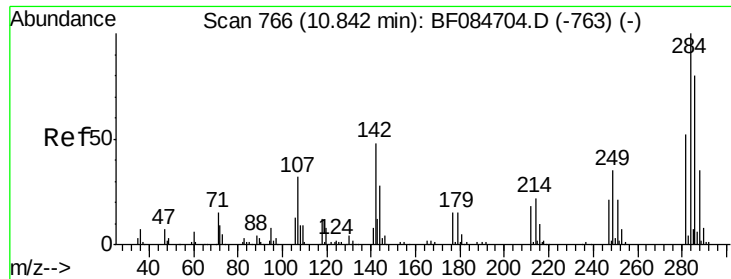
Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 229534 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 96.3  | 78.4  | 117.6  |
| 141       | 95.3  | 44.0  | 66.0#  |





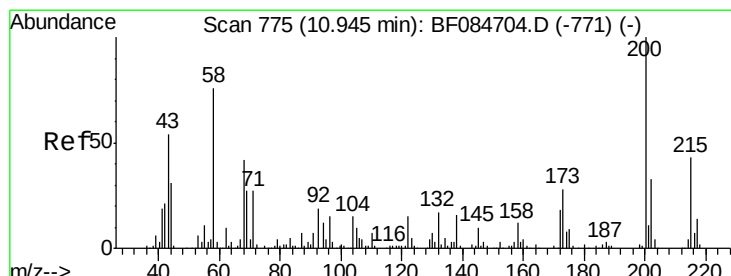
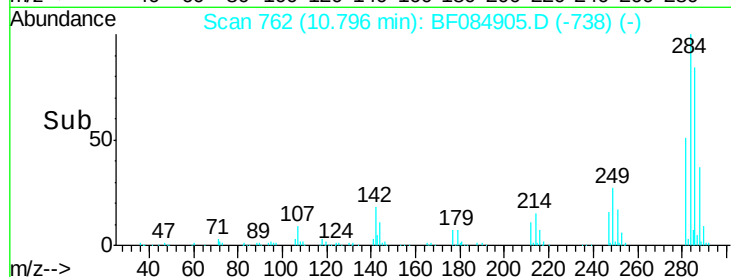
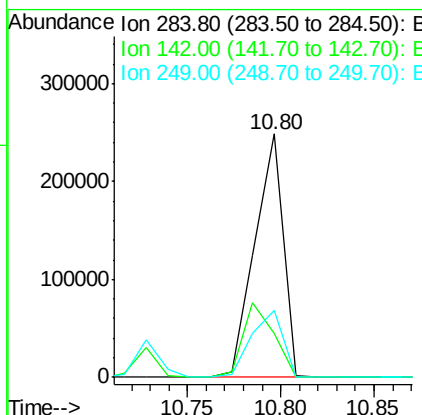
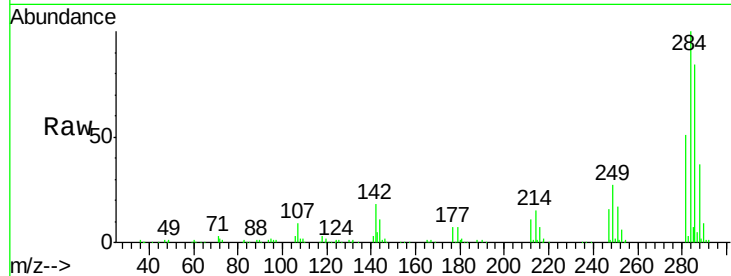
#67  
Hexachlorobenzene  
Concen: 43.85 ng  
RT: 10.80 min Scan# 762  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 260880 |       |       |
| 142     | 18.0  | 22.2   | 33.4# |       |
| 249     | 27.4  | 24.6   | 37.0  |       |

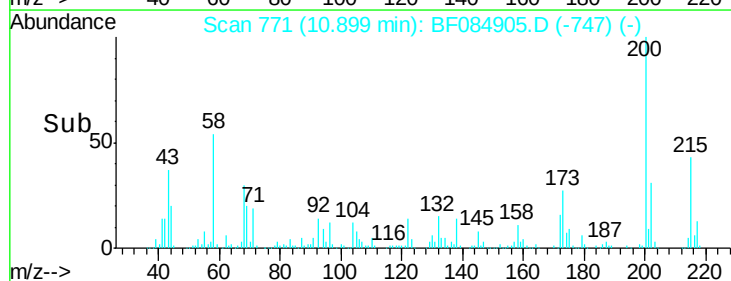
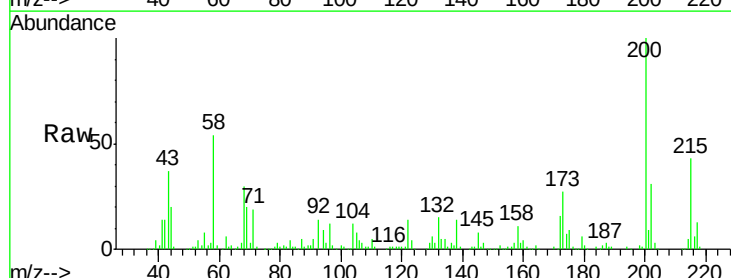
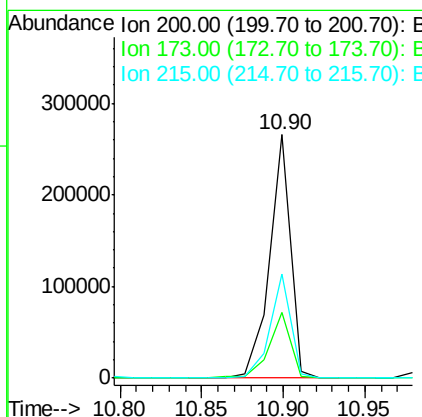
Manual Integrations  
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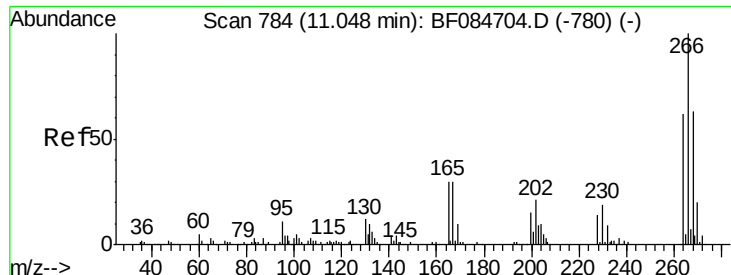
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#68  
Atrazine  
Concen: 48.04 ng  
RT: 10.90 min Scan# 771  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 238120 |       |       |
| 173     | 27.1  | 9.5    | 49.5  |       |
| 215     | 42.7  | 23.8   | 63.8  |       |





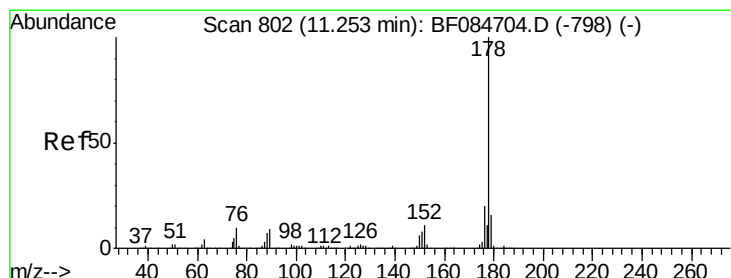
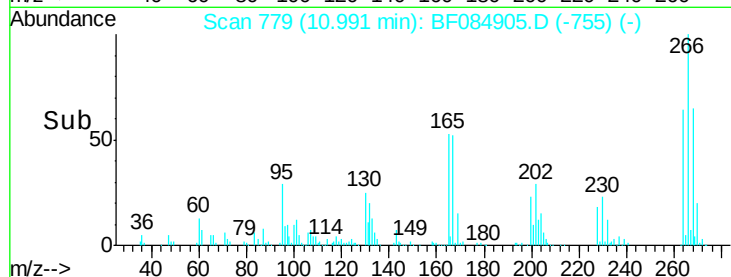
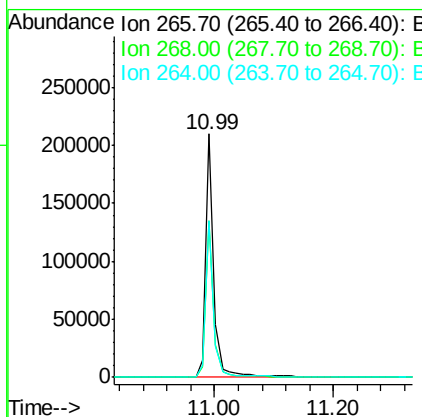
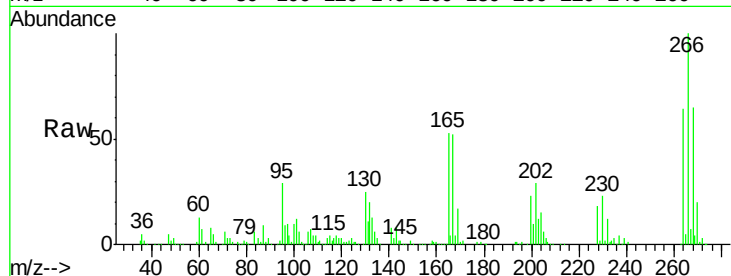
#69  
 Pentachlorophenol  
 Concen: 74.00 ng  
 RT: 10.99 min Scan# 779  
 Delta R.T. -0.02 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88196BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 206902 |       |       |
| 268     | 64.6  | 52.4   | 78.6  |       |
| 264     | 64.2  | 50.2   | 75.2  |       |

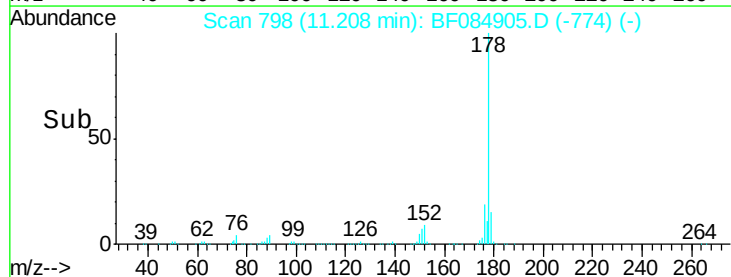
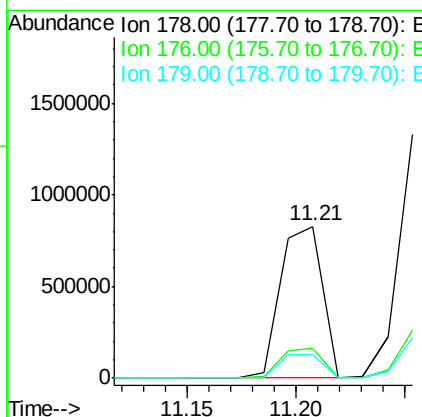
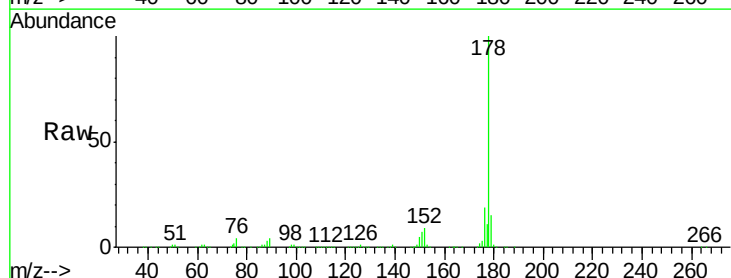
Manual Integrations  
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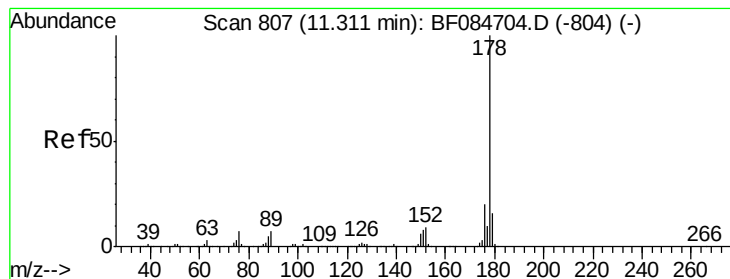
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#70  
 Phenanthrene  
 Concen: 40.80 ng  
 RT: 11.21 min Scan# 798  
 Delta R.T. -0.02 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1118750 |       |       |
| 176     | 19.3  | 15.3    | 22.9  |       |
| 179     | 15.2  | 12.0    | 18.0  |       |





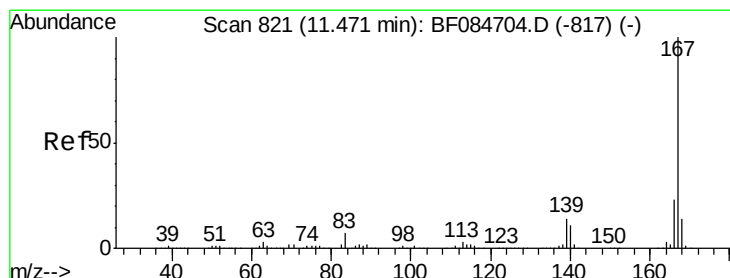
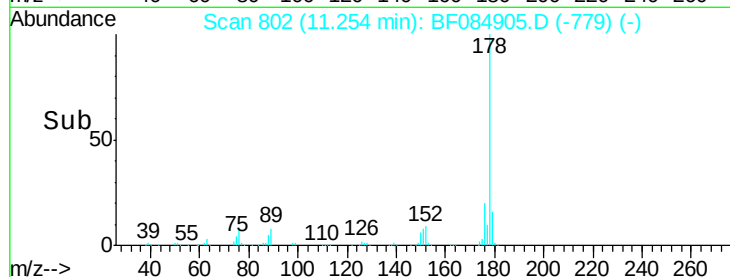
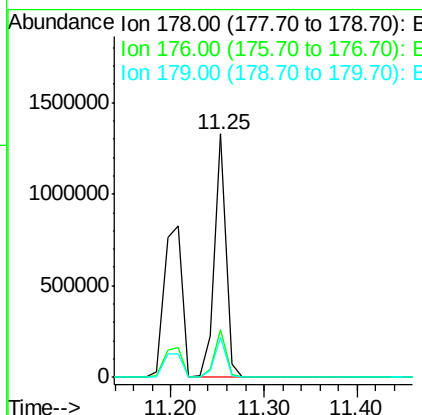
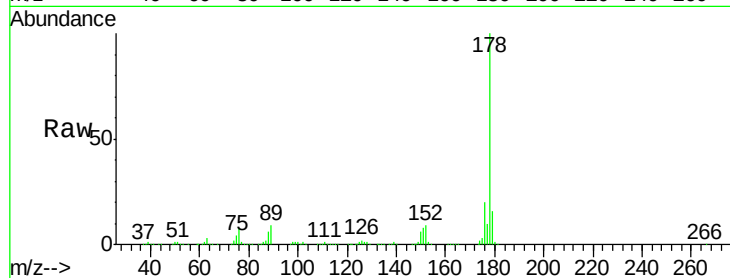
#71  
 Anthracene  
 Concen: 40.87 ng  
 RT: 11.25 min Scan# 802  
 Delta R.T. -0.03 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88196BS

Tot Ion:178 Resp: 1129023  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 15.4 23.0  
 179 16.3 12.5 18.7

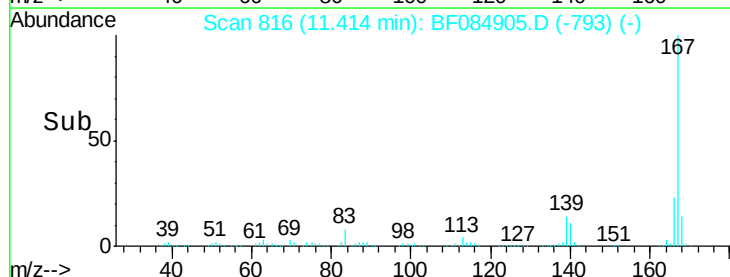
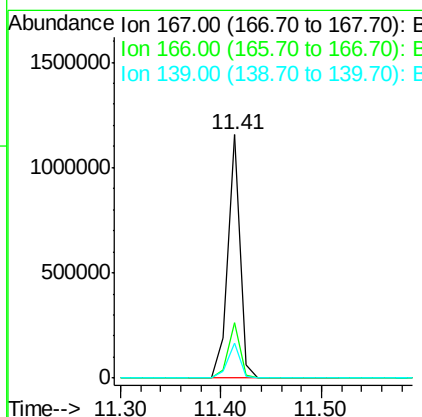
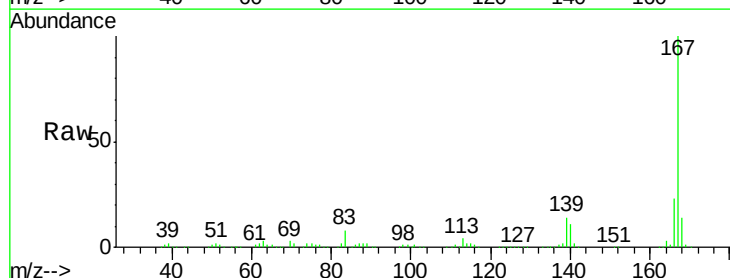
Manual Integrations  
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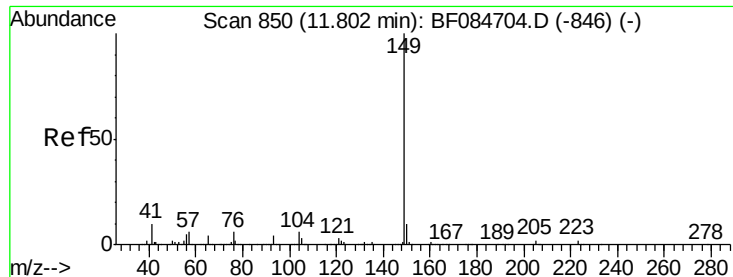


#72  
 Carbazole  
 Concen: 40.40 ng  
 RT: 11.41 min Scan# 816  
 Delta R.T. -0.03 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

Tgt Ion:167 Resp: 973189  
 Ion Ratio Lower Upper  
 167 100  
 166 22.9 17.6 26.4  
 139 14.3 11.8 17.8







#73

Di-n-butylphthalate

Concen: 44.77 ng

RT: 11.76 min Scan# 846

Delta R.T. -0.02 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

ClientSampleId :

PB88196BS

Tot Ion:149 Resp: 1373186

Ion Ratio Lower Upper

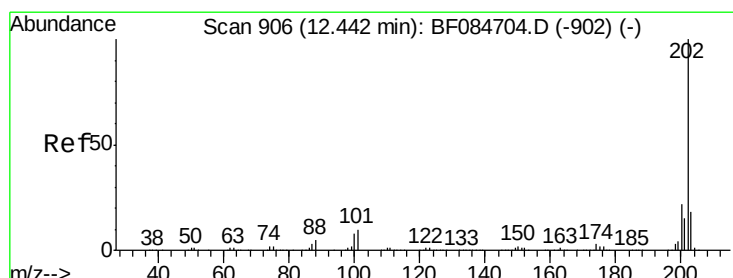
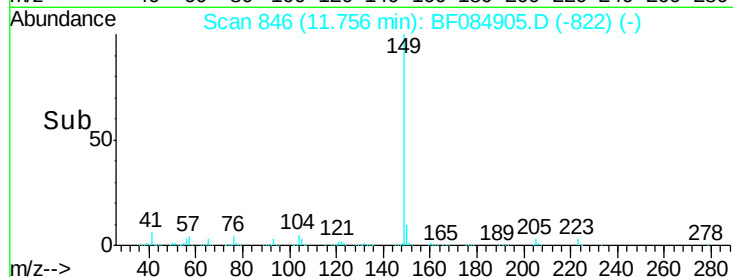
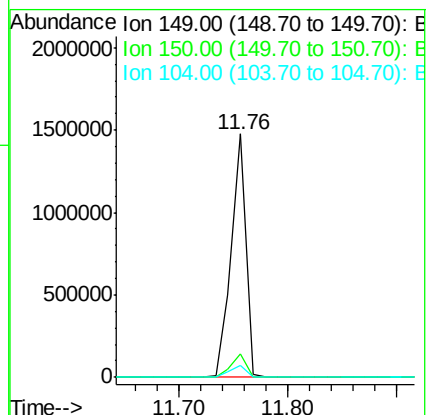
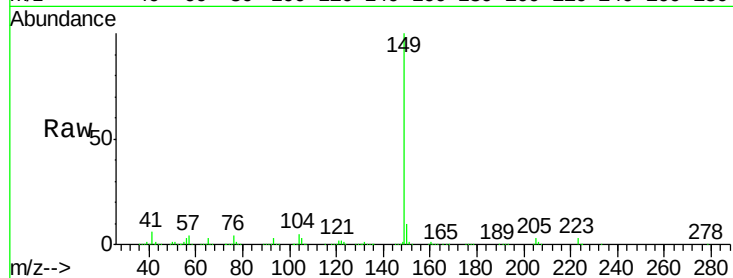
149 100

150 9.5 7.1 10.7

104 4.8 3.2 4.8#

Manual Integrations  
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#74

Fluoranthene

Concen: 37.76 ng

RT: 12.39 min Scan# 901

Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

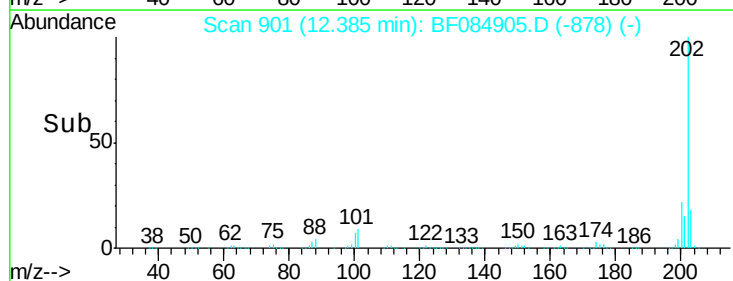
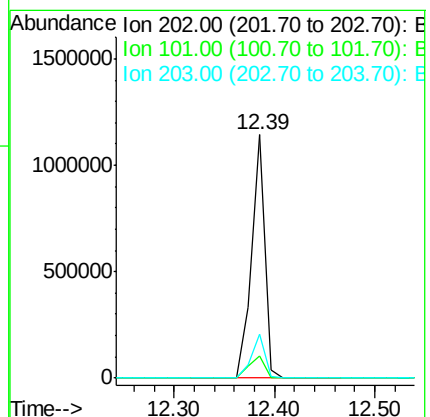
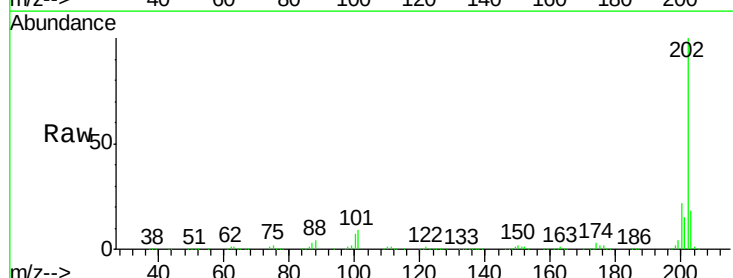
Tgt Ion:202 Resp: 1047865

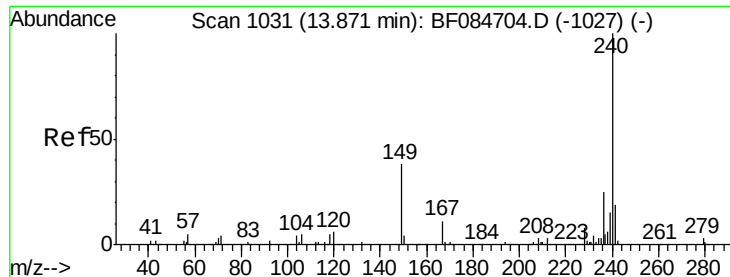
Ion Ratio Lower Upper

202 100

101 9.3 0.0 32.8

203 18.1 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

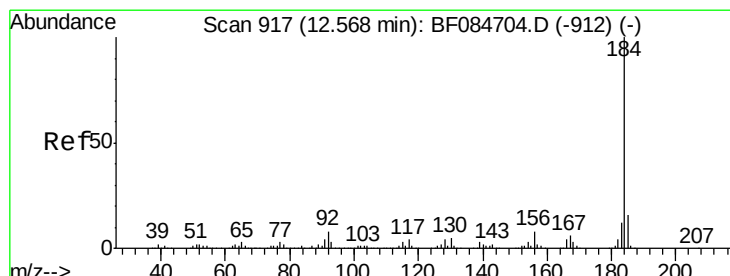
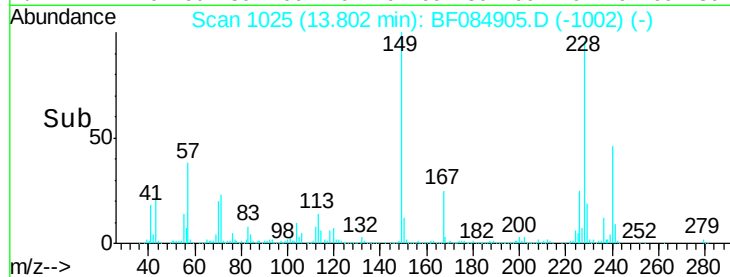
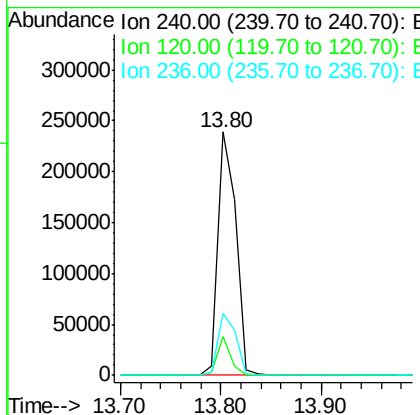
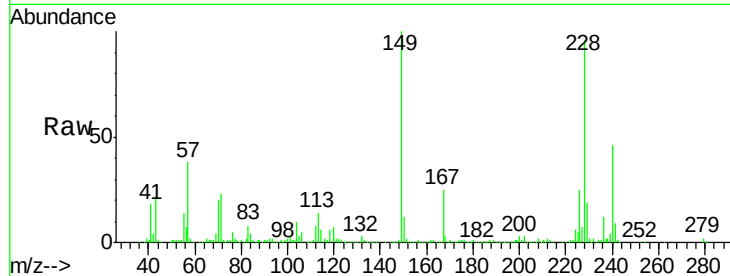
ClientSampleId :

PB88196BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 295353 |       |       |
| 120     | 16.2  | 9.5    | 14.3# |       |
| 236     | 25.5  | 20.6   | 31.0  |       |

Manual Integrations  
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#76

Benzidine

Concen: 46.40 ng

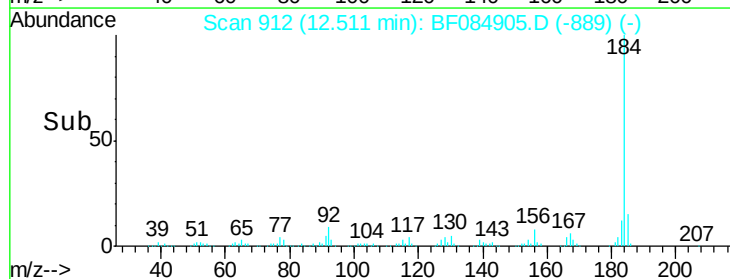
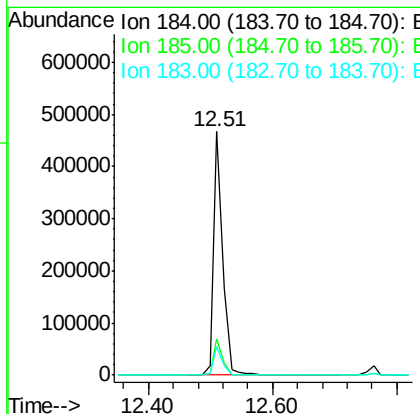
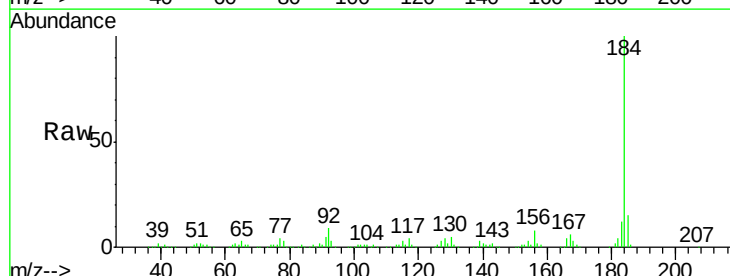
RT: 12.51 min Scan# 912

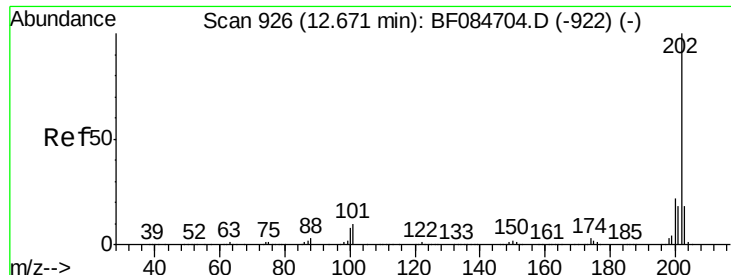
Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 470886 |       |       |
| 185     | 14.9  | 12.2   | 18.2  |       |
| 183     | 11.7  | 9.8    | 14.8  |       |





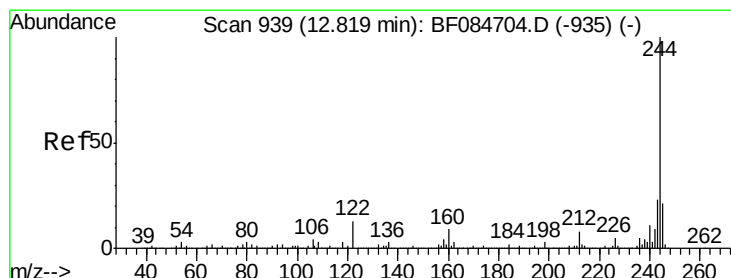
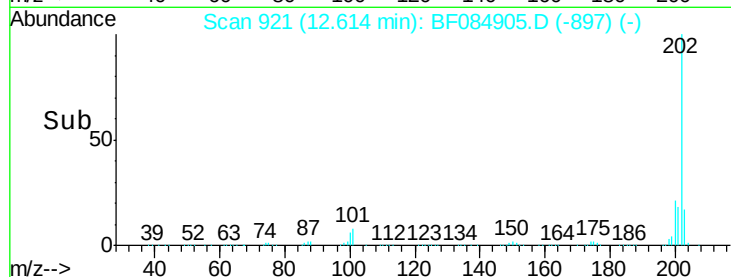
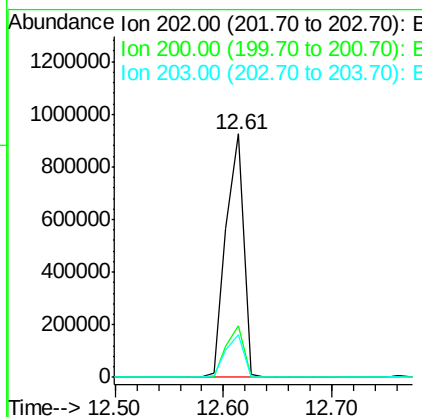
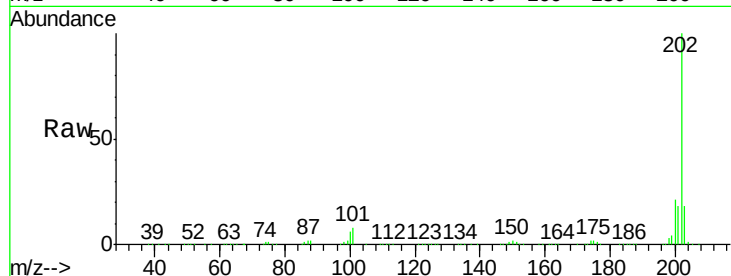
#77  
Pvrene  
Concen: 46.30 ng  
RT: 12.61 min Scan# 921  
Delta R.T. -0.02 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.1  | 17.2  | 25.8  |
| 203     | 17.5  | 14.3  | 21.5  |

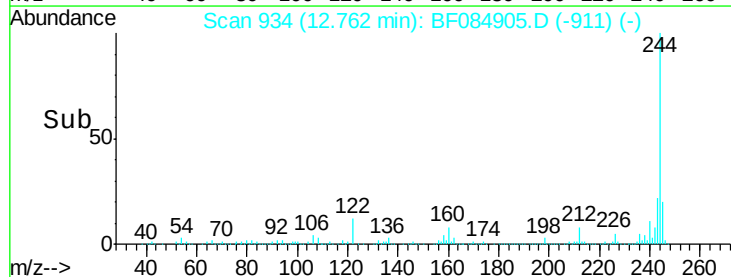
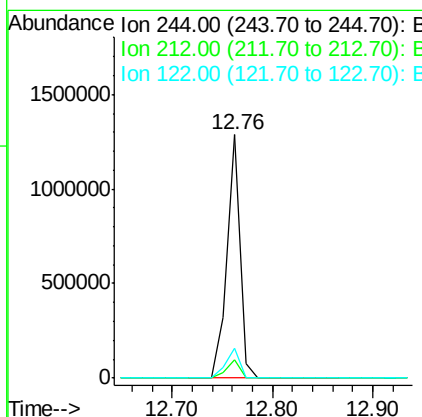
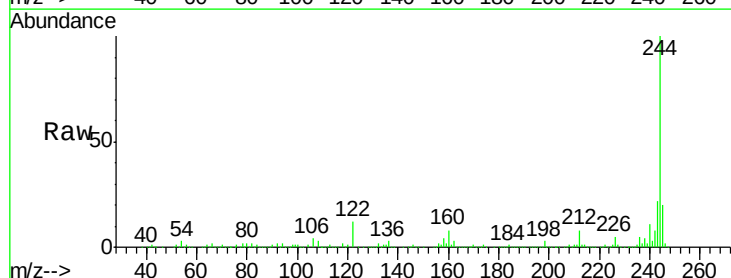
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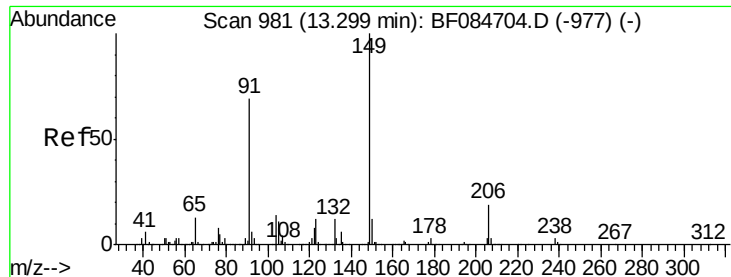
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#78  
Terphenyl-d14  
Concen: 89.29 ng  
RT: 12.76 min Scan# 934  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.6   | 5.7   | 8.5   |
| 122     | 12.4  | 7.4   | 11.0  |





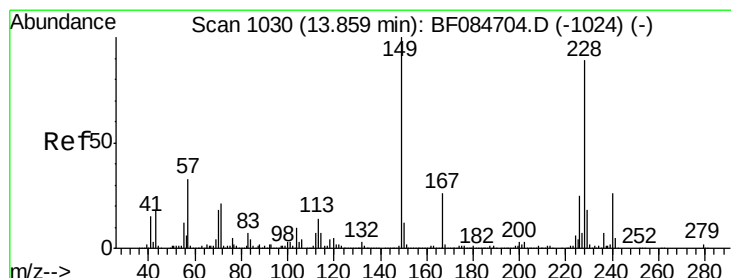
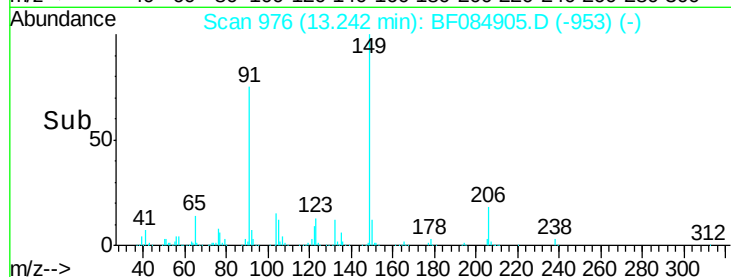
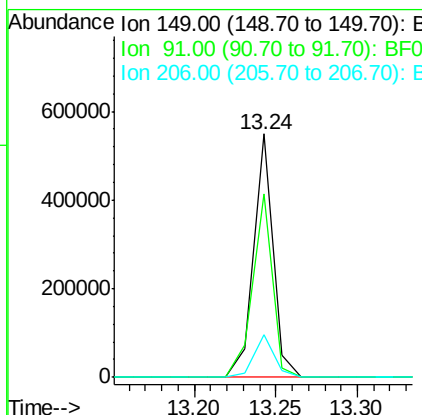
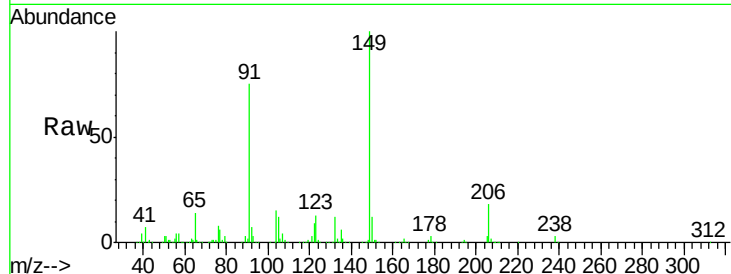
#79  
Butylbenzylphthalate  
Concen: 44.34 ng  
RT: 13.24 min Scan# 976  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 75.2  | 57.6  | 86.4  |
| 206     | 17.6  | 13.2  | 19.8  |

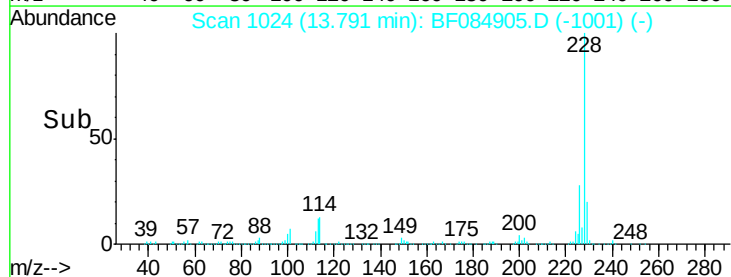
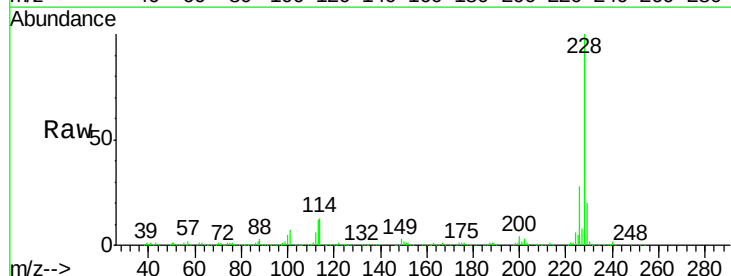
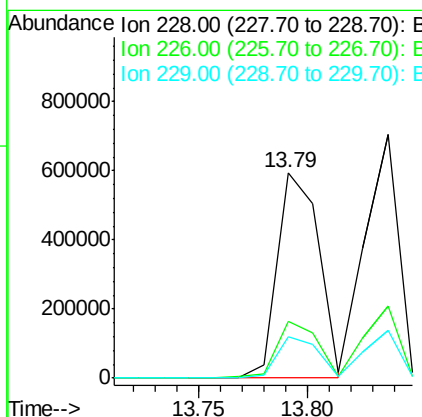
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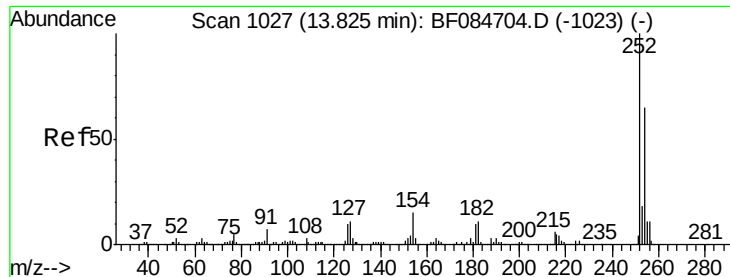
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#80  
Benzo(a)anthracene  
Concen: 43.33 ng  
RT: 13.79 min Scan# 1024  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.6  | 21.8  | 32.6  |
| 229     | 20.2  | 15.8  | 23.8  |





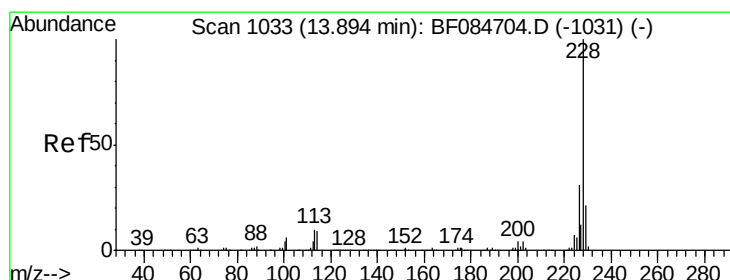
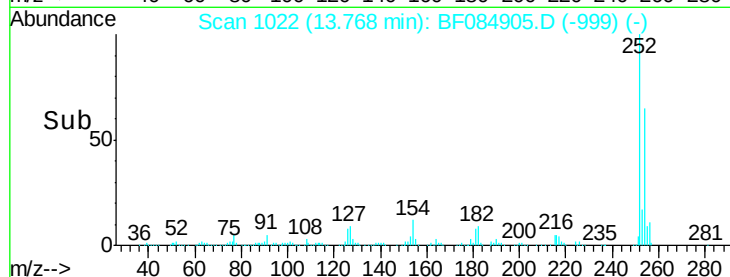
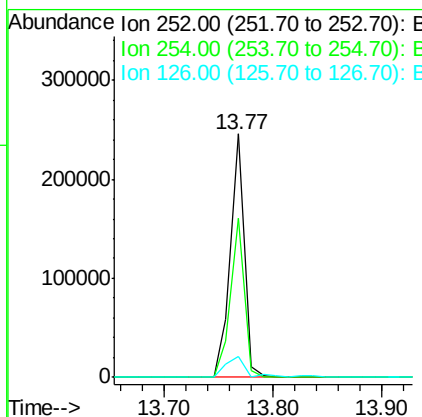
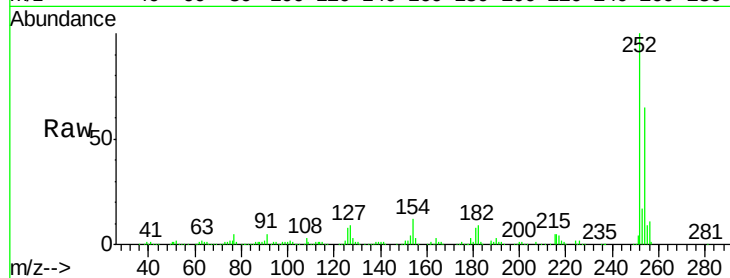
#81  
 3,3'-Dichlorobenzidine  
 Concen: 33.60 ng  
 RT: 13.77 min Scan# 1022  
 Delta R.T. -0.03 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88196BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 65.1  | 53.5       | 80.3  |
| 126     | 8.4   | 4.9        | 7.3   |

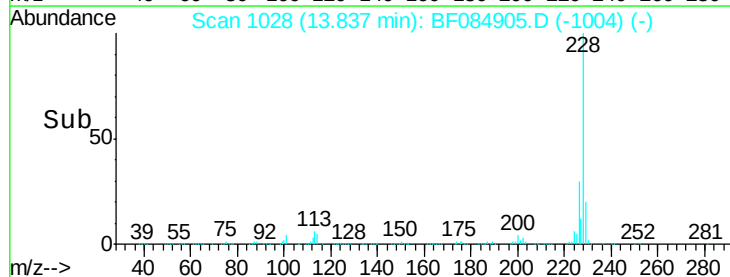
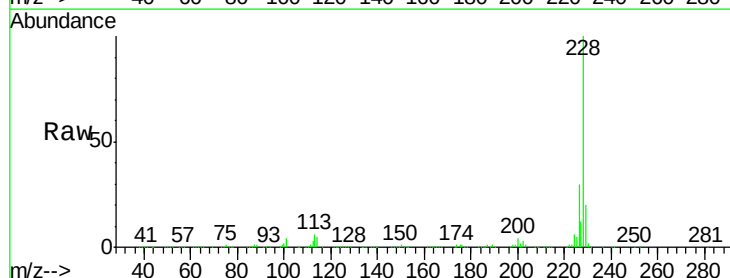
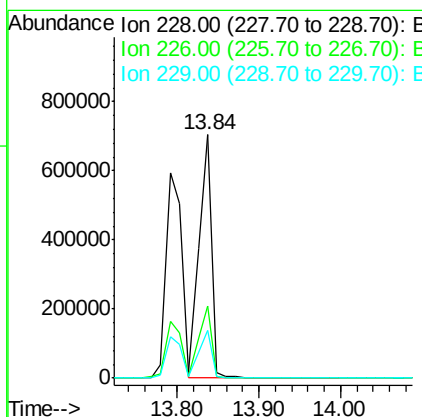
Manual Integrations  
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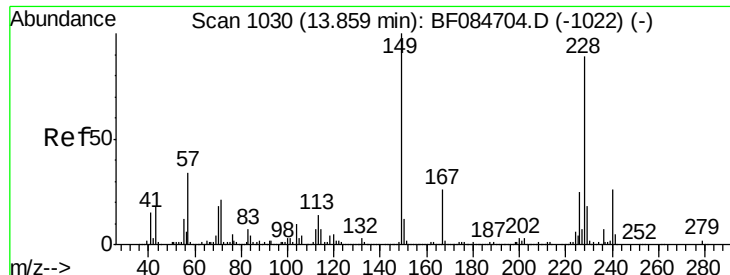
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#82  
 Chrysene  
 Concen: 42.91 ng  
 RT: 13.84 min Scan# 1028  
 Delta R.T. -0.02 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 29.8  | 24.3       | 36.5  |
| 229     | 19.6  | 16.1       | 24.1  |





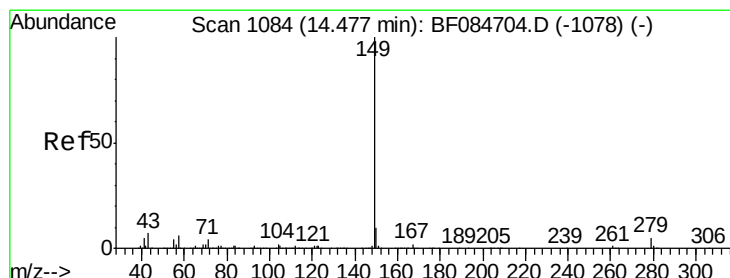
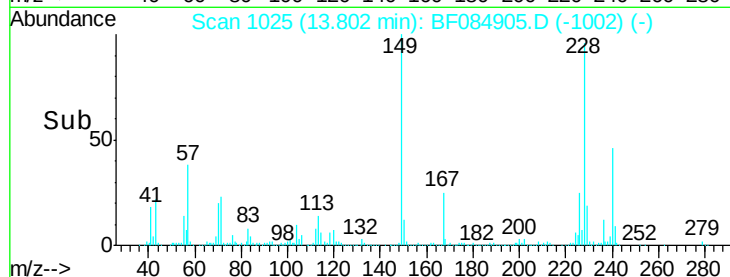
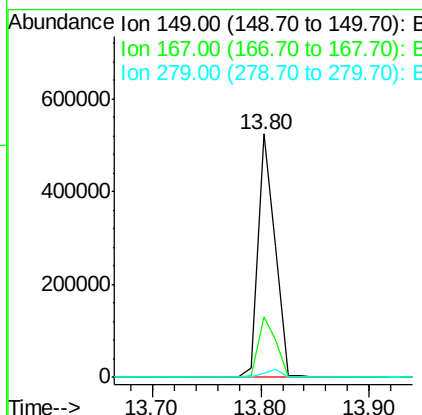
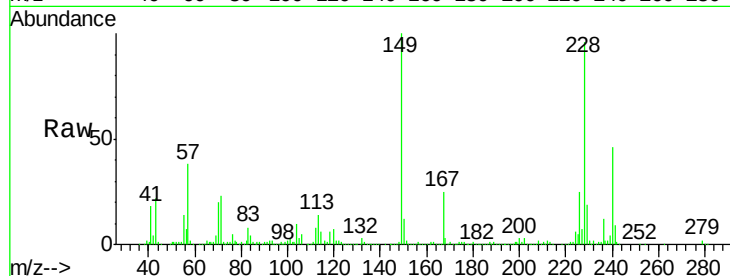
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 44.82 ng  
 RT: 13.80 min Scan# 1025  
 Delta R.T. -0.03 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88196BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 572161 |       |       |
| 167     | 25.0  | 19.7   | 29.5  |       |
| 279     | 1.8   | 1.8    | 2.6   |       |

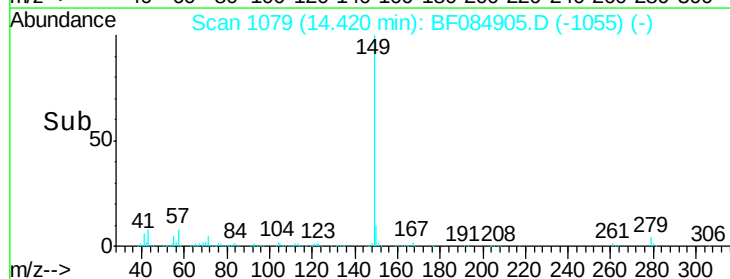
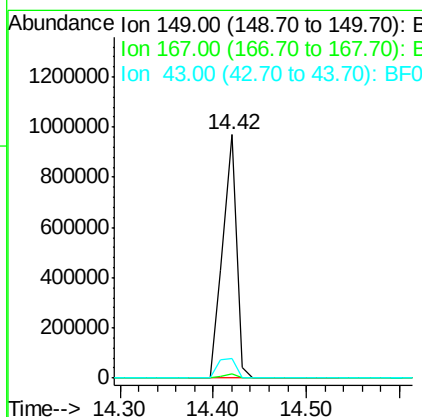
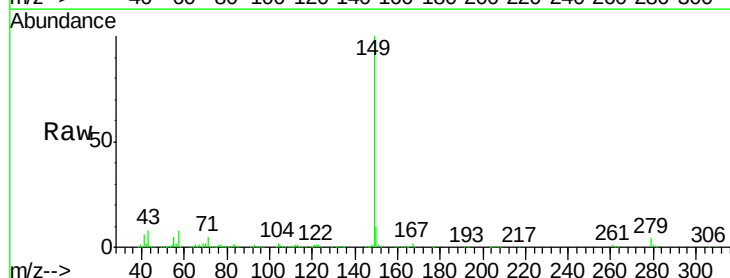
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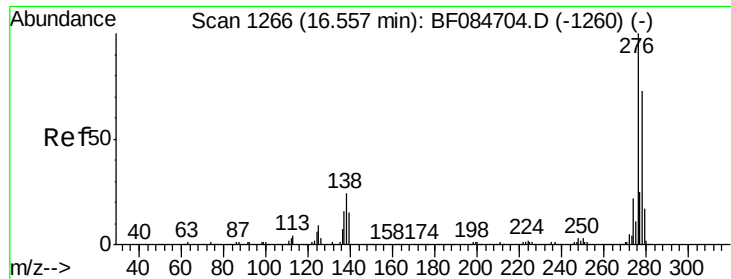
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#84  
 Di-n-octyl phthalate  
 Concen: 47.22 ng  
 RT: 14.42 min Scan# 1079  
 Delta R.T. -0.02 min  
 Lab File: BF084905.D  
 Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 994607 |       |       |
| 167     | 1.5   | 1.2    | 1.8   |       |
| 43      | 10.8  | 5.6    | 8.4#  |       |





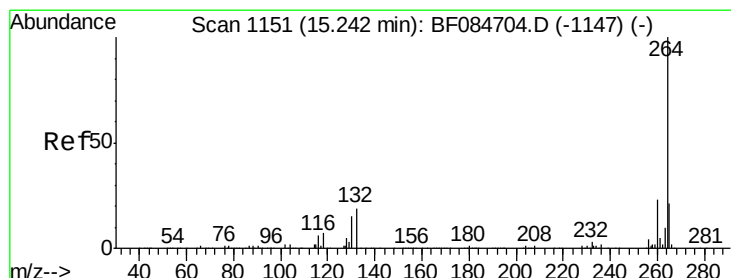
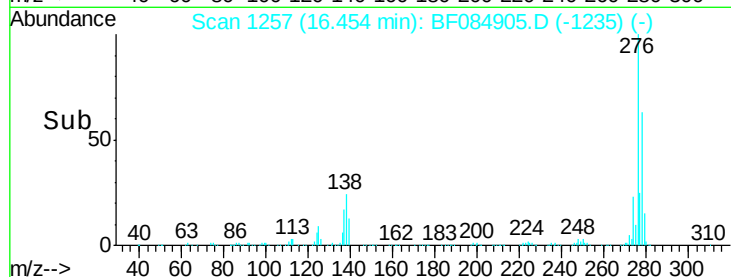
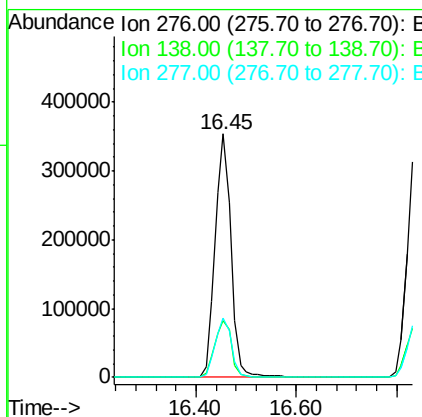
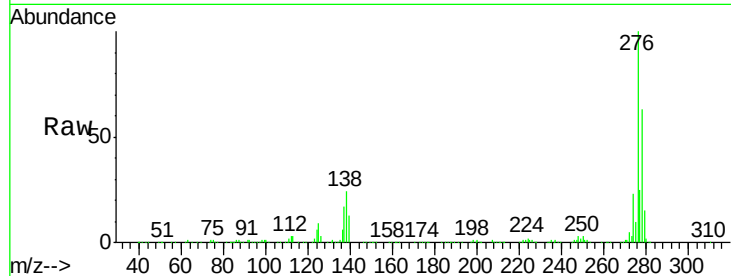
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 55.86 ng  
RT: 16.45 min Scan# 1257  
Delta R.T. -0.05 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.9  | 20.6  | 30.8  |
| 277     | 25.0  | 20.1  | 30.1  |

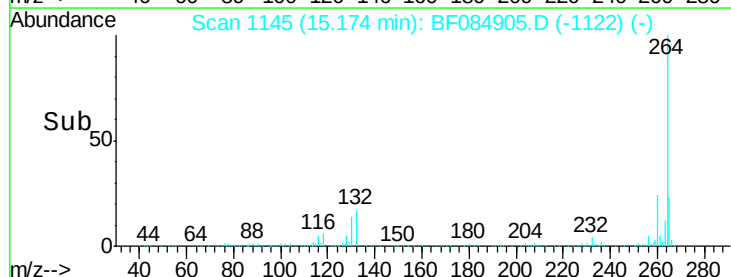
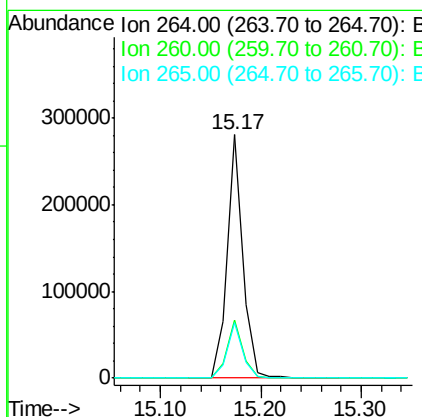
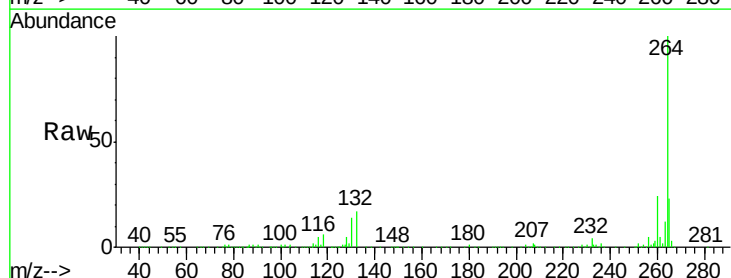
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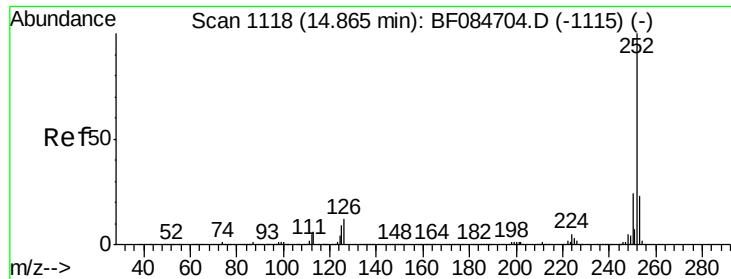
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.17 min Scan# 1145  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.4  | 29.2  |
| 265     | 22.9  | 17.8  | 26.6  |





#87

Benzo(b)fluoranthene

Concen: 47.64 ng m

RT: 14.80 min Scan# 1112

Delta R.T. -0.03 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

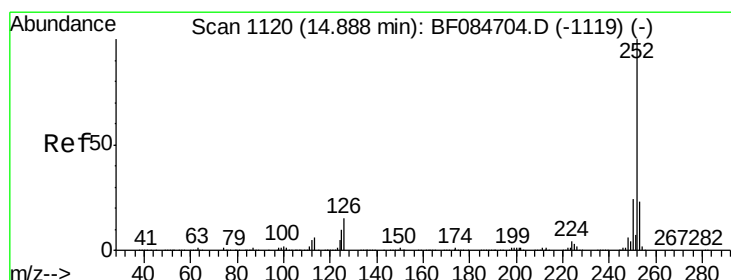
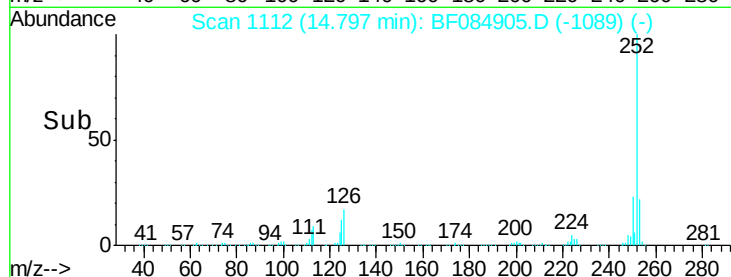
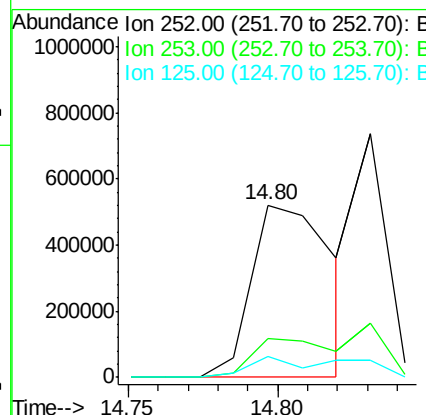
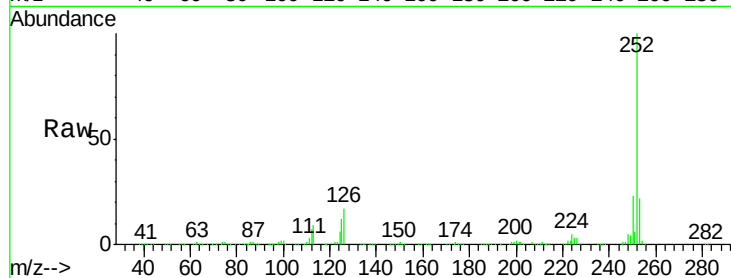
ClientSampleID :

PB88196BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 979202 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.2  | 17.3  | 25.9   |
| 125       | 12.4  | 6.5   | 9.7#   |

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#88

Benzo(k)fluoranthene

Concen: 32.91 ng m

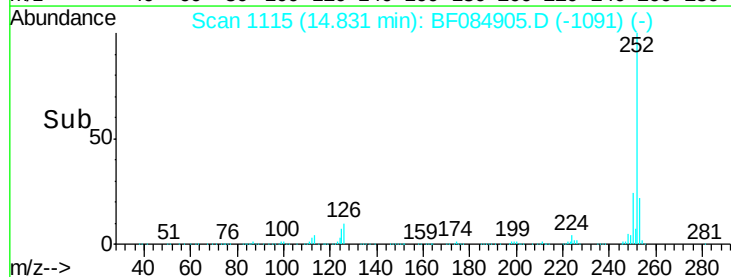
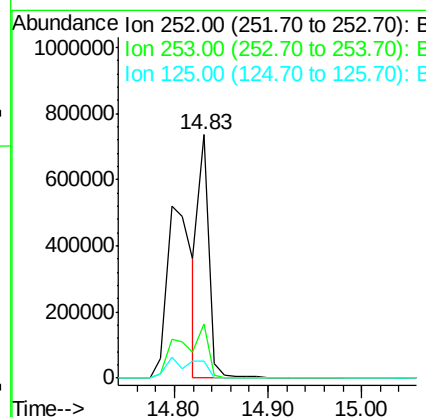
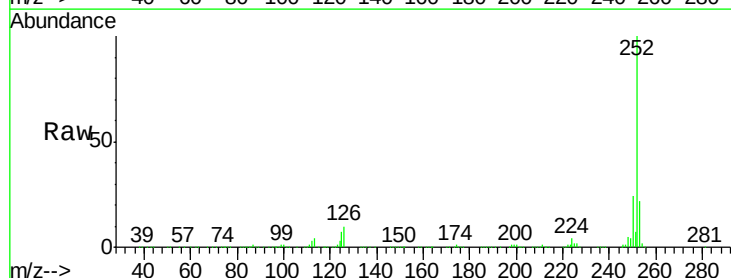
RT: 14.83 min Scan# 1115

Delta R.T. -0.02 min

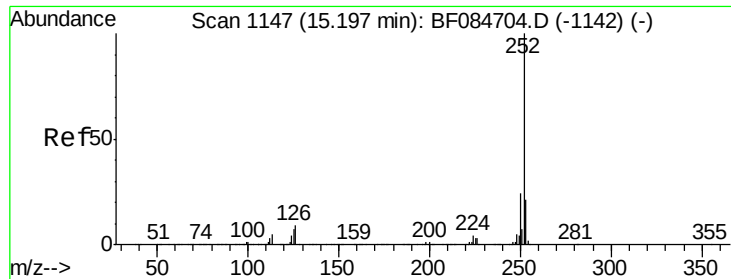
Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 559193 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.0  | 18.1  | 27.1   |
| 125       | 7.0   | 9.0   | 13.6#  |







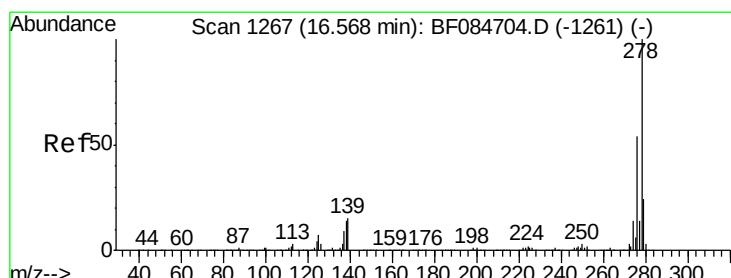
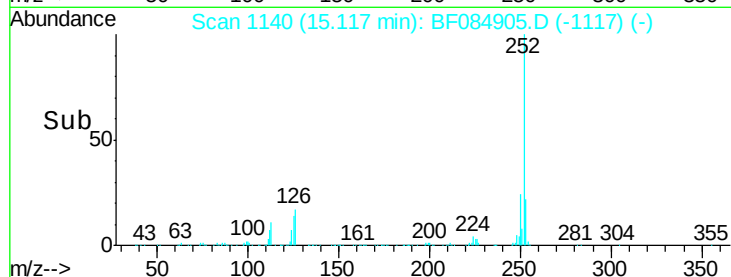
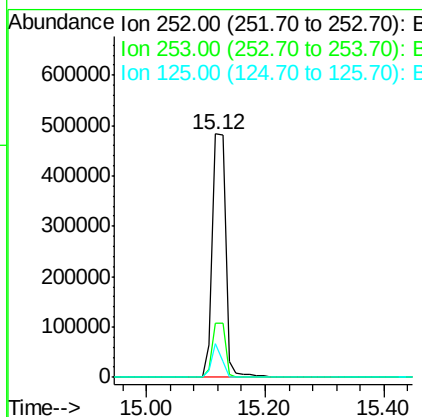
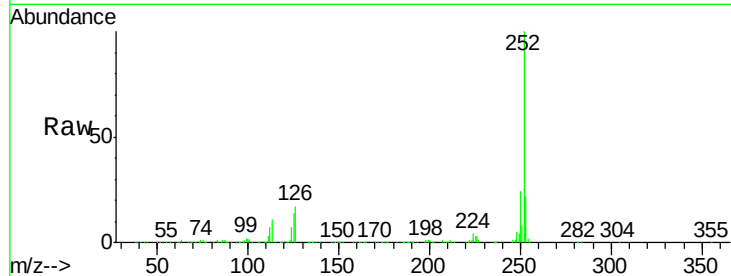
#89  
Benzo(a)pyrene  
Concen: 42.72 ng  
RT: 15.12 min Scan# 1140  
Delta R.T. -0.03 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

Instrument :  
BNA\_F  
ClientSampleId :  
PB88196BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.3  | 25.9  |
| 125     | 14.0  | 7.0   | 10.4  |

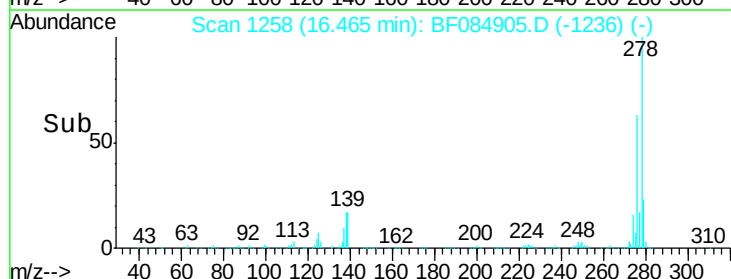
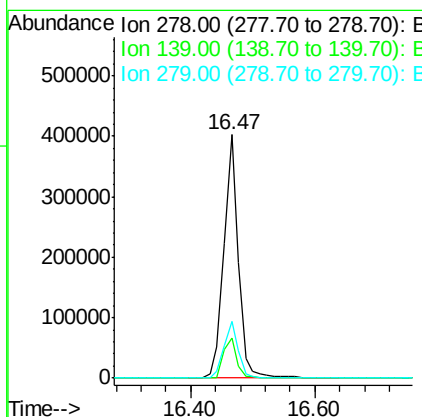
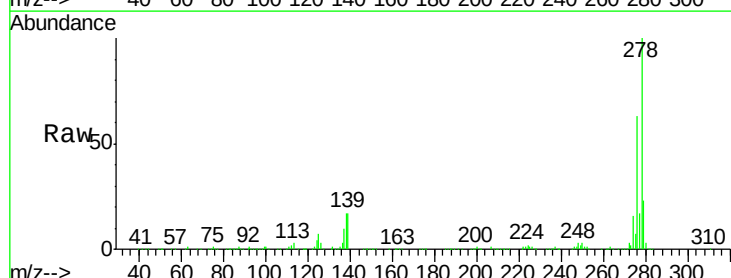
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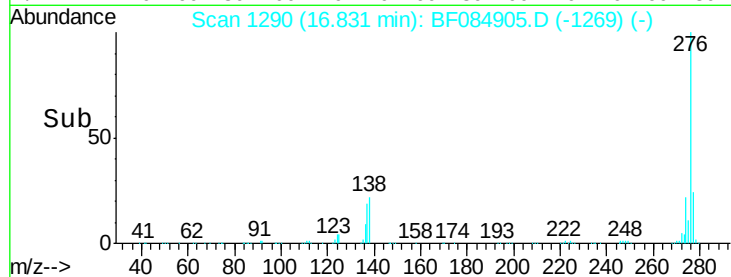
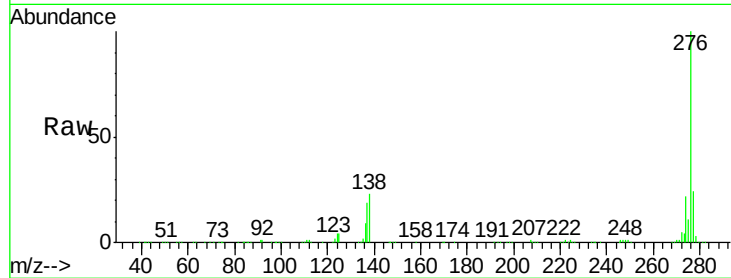
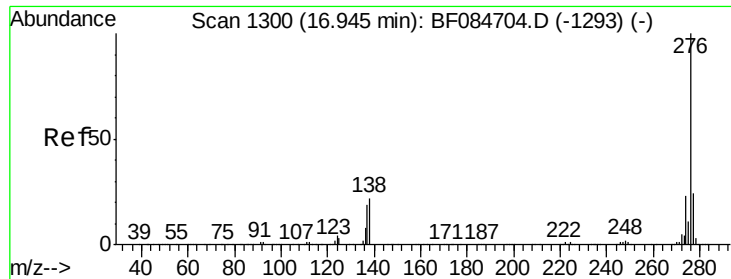
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#90  
Dibenzo(a,h)anthracene  
Concen: 44.22 ng  
RT: 16.47 min Scan# 1258  
Delta R.T. -0.05 min  
Lab File: BF084905.D  
Acq: 6 Feb 2016 12:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.5  | 15.0  | 22.4  |
| 279     | 23.2  | 18.9  | 28.3  |





#91

Benzo(a,h,i)perylene

Concen: 42.62 ng

RT: 16.83 min Scan# 1290

Delta R.T. -0.06 min

Lab File: BF084905.D

Acq: 6 Feb 2016 12:12

Instrument :

BNA\_F

ClientSampleId :

PB88196BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 632915 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 24.2  | 18.8  | 28.2   |
| 138       | 22.5  | 17.8  | 26.6   |

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