

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\  
 Data File : BF084911.D  
 Acq On : 6 Feb 2016 14:58  
 Operator : SJ/IZ  
 Sample : H1325-01MS  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

Manual Integrations  
 APPROVED

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

Quant Time: Feb 08 02:41:47 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  | 167348   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.95  | 136  | 690070   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.70  | 164  | 303959   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 11.17 | 188  | 498284   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 13.80 | 240  | 282733   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 15.17 | 264  | 318507   | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.28  | 112 | 1363876 | 126.94 | ng | 0.00  |
| 7) Phenol-d6             | 6.33  | 99  | 1568380 | 117.75 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.24  | 82  | 1205756 | 98.43  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.49 | 330 | 405640  | 127.94 | ng | -0.03 |
| 44) 2-Fluorobiphenyl     | 9.04  | 172 | 1978259 | 138.61 | ng | -0.02 |
| 78) Terphenyl-d14        | 12.76 | 244 | 1339536 | 107.36 | ng | -0.03 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.34 | 88  | 189164  | 40.20 | ng | # 78   |
| 3) Pyridine                    | 2.97 | 79  | 313116  | 25.54 | ng | # 75   |
| 4) n-Nitrosodimethylamine      | 2.90 | 42  | 289637  | 45.67 | ng | # 83   |
| 6) Aniline                     | 6.34 | 93  | 100447  | 6.16  | ng | # 1    |
| 8) 2-Chlorophenol              | 6.45 | 128 | 569615  | 46.84 | ng | 96     |
| 9) Benzaldehyde                | 6.21 | 77  | 31554   | 4.01  | ng | 81     |
| 10) Phenol                     | 6.34 | 94  | 669854  | 44.89 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 6.41 | 93  | 535131  | 45.99 | ng | 84     |
| 12) 1,3-Dichlorobenzene        | 6.60 | 146 | 547868m | 42.64 | ng |        |
| 13) 1,4-Dichlorobenzene        | 6.68 | 146 | 566866  | 44.13 | ng | 94     |
| 14) 1,2-Dichlorobenzene        | 6.83 | 146 | 463269  | 38.72 | ng | 95     |
| 15) Benzyl Alcohol             | 6.82 | 79  | 394248  | 42.87 | ng | 90     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.96 | 45  | 836561  | 42.74 | ng | 97     |
| 17) 2-Methylphenol             | 6.94 | 107 | 444862  | 46.25 | ng | # 92   |
| 18) Hexachloroethane           | 7.17 | 117 | 215294  | 43.52 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.09 | 70  | 370477  | 44.37 | ng | # 75   |
| 20) 3+4-Methylphenols          | 7.10 | 107 | 551889  | 46.23 | ng | 91     |
| 22) Acetophenone               | 7.08 | 105 | 785470  | 43.19 | ng | # 98   |
| 24) Nitrobenzene               | 7.25 | 77  | 524789  | 40.01 | ng | 96     |
| 25) Isophorone                 | 7.50 | 82  | 1058992 | 44.46 | ng | # 93   |
| 26) 2-Nitrophenol              | 7.57 | 139 | 308179  | 47.63 | ng | # 90   |
| 27) 2,4-Dimethylphenol         | 7.63 | 122 | 493214  | 43.83 | ng | 88     |
| 28) bis(2-Chloroethoxy)methane | 7.71 | 93  | 618242  | 43.75 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.82 | 162 | 448378  | 46.57 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 7.89 | 180 | 466329  | 42.88 | ng | 97     |
| 31) Naphthalene                | 7.97 | 128 | 1631286 | 47.13 | ng | 99     |
| 32) Benzoic acid               | 7.78 | 122 | 333212  | 46.29 | ng | 96     |
| 33) 4-Chloroaniline            | 8.03 | 127 | 64614   | 4.51  | ng | 94     |
| 34) Hexachlorobutadiene        | 8.09 | 225 | 265277  | 42.30 | ng | 96     |
| 35) Caprolactam                | 8.42 | 113 | 124543m | 41.97 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.53 | 107 | 506462  | 46.11 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.66 | 142 | 1003508 | 46.32 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.83 | 216 | 449762  | 46.59 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.82 | 237 | 312679  | 75.21 | ng | 99     |

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

Quant Time: Feb 08 02:41:47 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  | 290978   | 46.79 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.00  | 196  | 310487   | 49.13 | nq    | 96       |
| 45) 1,1'-Biphenyl              | 9.13  | 154  | 1160735  | 42.75 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.15  | 162  | 912020   | 45.62 | nq    | 94       |
| 47) 2-Nitroaniline             | 9.25  | 65   | 274369   | 43.34 | nq    | 94       |
| 48) Acenaphthylene             | 9.56  | 152  | 1283452  | 42.30 | nq    | 98       |
| 49) Dimethylphthalate          | 9.45  | 163  | 1141464  | 49.31 | nq    | # 91     |
| 50) 2,6-Dinitrotoluene         | 9.50  | 165  | 262316   | 51.87 | nq    | 96       |
| 51) Acenaphthene               | 9.73  | 154  | 858810   | 43.51 | nq    | 97       |
| 52) 3-Nitroaniline             | 9.66  | 138  | 56733    | 9.98  | nq    | # 87     |
| 53) 2,4-Dinitrophenol          | 9.78  | 184  | 212291   | 90.15 | nq    | # 89     |
| 54) Dibenzofuran               | 9.90  | 168  | 1104545  | 45.78 | nq    | 92       |
| 55) 4-Nitrophenol              | 9.85  | 139  | 236537   | 56.63 | nq    | # 76     |
| 56) 2,4-Dinitrotoluene         | 9.90  | 165  | 305558   | 47.37 | nq    | # 83     |
| 57) Fluorene                   | 10.25 | 166  | 910678   | 45.20 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.03 | 232  | 248280   | 51.61 | nq    | 93       |
| 59) Diethylphthalate           | 10.13 | 149  | 1034403  | 45.76 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.25 | 204  | 456008   | 55.59 | nq    | 87       |
| 61) 4-Nitroaniline             | 10.28 | 138  | 193818   | 35.00 | nq    | 83       |
| 62) Azobenzene                 | 10.41 | 77   | 1092364  | 50.25 | nq    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 10.32 | 198  | 145682   | 47.37 | nq    | 71       |
| 65) n-Nitrosodiphenylamine     | 10.36 | 169  | 667063   | 42.16 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.73 | 248  | 270937   | 49.23 | nq    | # 76     |
| 67) Hexachlorobenzene          | 10.80 | 284  | 323380   | 53.93 | nq    | # 92     |
| 68) Atrazine                   | 10.90 | 200  | 190905   | 38.21 | nq    | 97       |
| 69) Pentachlorophenol          | 10.99 | 266  | 270133   | 95.85 | nq    | 98       |
| 70) Phenanthrene               | 11.21 | 178  | 1408303  | 50.96 | nq    | 99       |
| 71) Anthracene                 | 11.25 | 178  | 1287677  | 46.24 | nq    | 99       |
| 72) Carbazole                  | 11.41 | 167  | 970656   | 39.97 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.76 | 149  | 1584276  | 51.25 | nq    | # 98     |
| 74) Fluoranthene               | 12.38 | 202  | 1193709  | 42.68 | nq    | 97       |
| 76) Benzidine                  | 12.51 | 184  | 35450    | 9.27  | nq    | 96       |
| 77) Pyrene                     | 12.61 | 202  | 1239566  | 57.26 | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.24 | 149  | 536040   | 54.59 | nq    | 96       |
| 80) Benzo(a)anthracene         | 13.79 | 228  | 919546   | 52.40 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.77 | 252  | 52430    | 8.44  | nq    | # 100    |
| 82) Chrysene                   | 13.84 | 228  | 893030   | 52.48 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.80 | 149  | 683250   | 55.91 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.42 | 149  | 1177635  | 58.41 | nq    | # 90     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.45 | 276  | 863930   | 64.50 | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 14.80 | 252  | 1101962m | 51.49 | nq    |          |
| 88) Benzo(k)fluoranthene       | 14.83 | 252  | 693184m  | 39.18 | nq    |          |
| 89) Benzo(a)pyrene             | 15.13 | 252  | 875728   | 48.03 | nq    | # 98     |
| 90) Dibenzo(a,h)anthracene     | 16.47 | 278  | 734132   | 47.83 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 16.83 | 276  | 708017   | 45.79 | nq    | 98       |

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

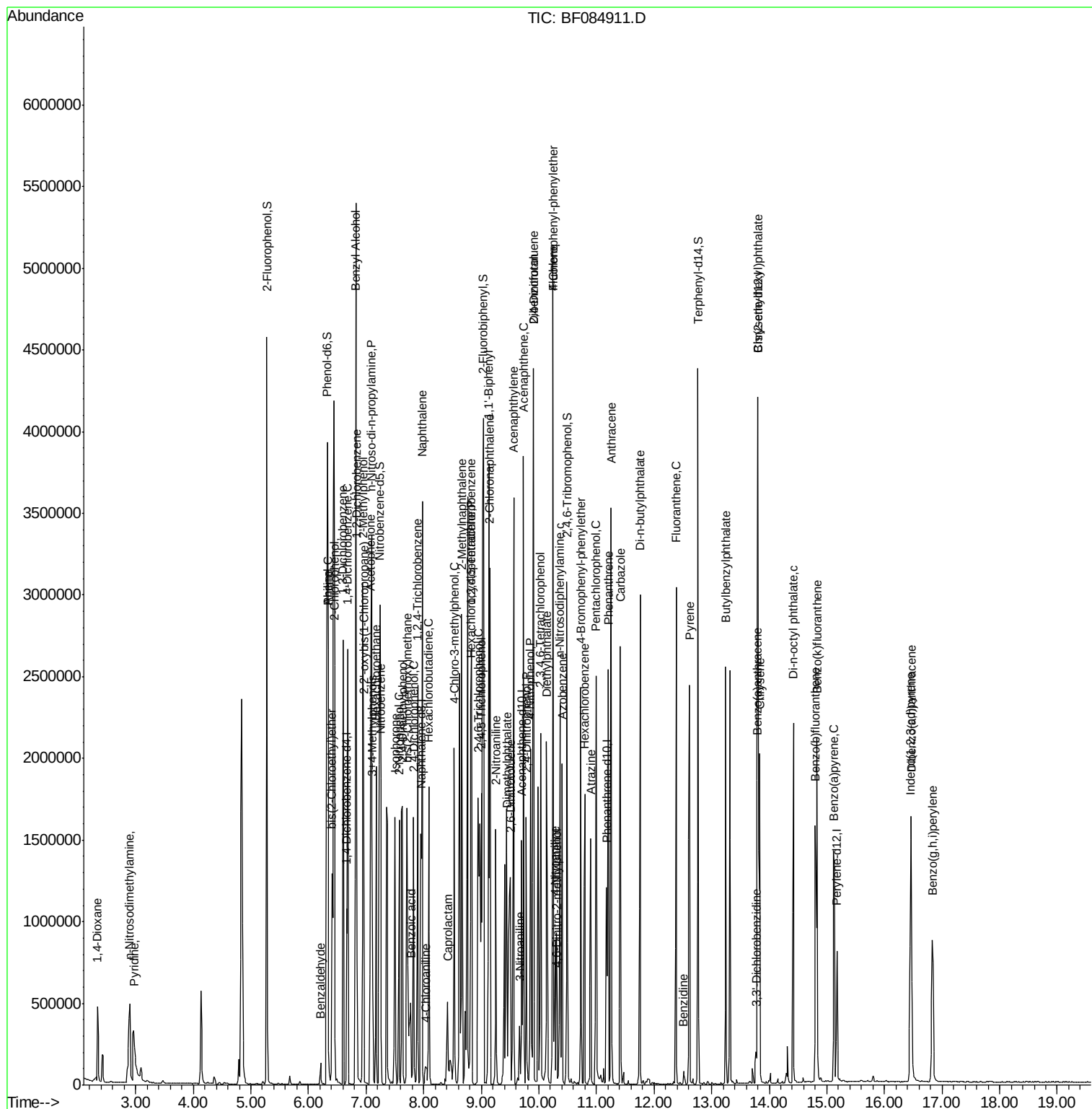
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Data Path : Z:\HPCHEM1\BNA F\DATA\BF020616\  
Data File : BF084911.D  
Acq On    : 6 Feb 2016 14:58  
Operator  : SJ/IZ  
Sample    : H1325-01MS  
Misc      :  
ALS Vial  : 53 Sample Multiplier: 1
```

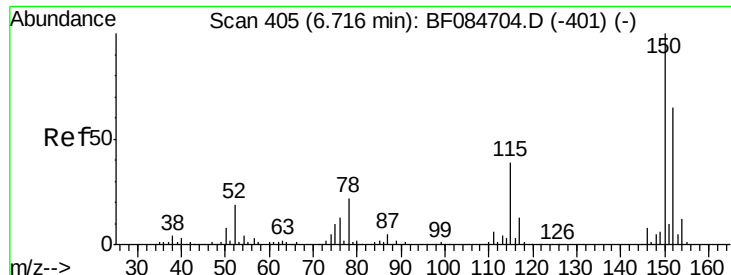
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
S4-B016(17-19)MS

## Manual Integrations APPROVED

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

Quant Time: Feb 08 02:41:47 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  
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#1

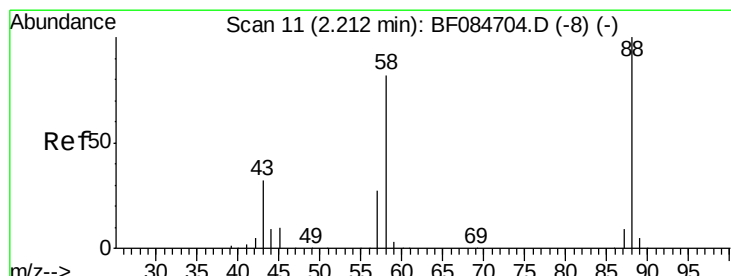
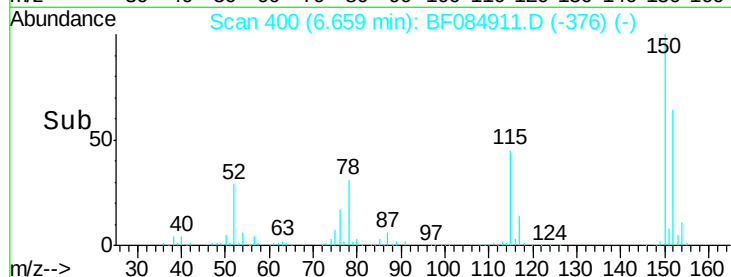
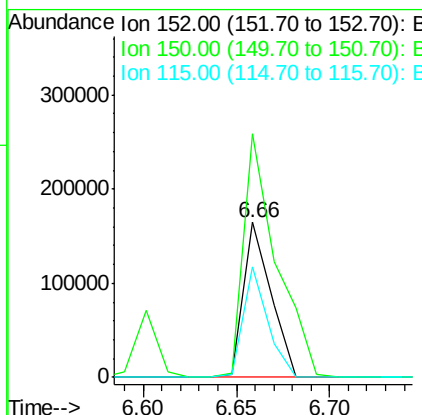
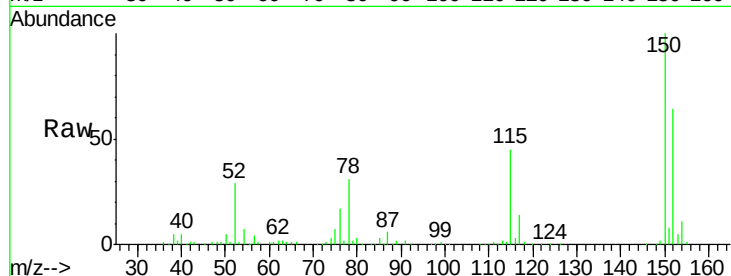
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.66 min Scan# 400  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.2 | 123.0 | 184.4 |
| 115     | 71.5  | 51.4  | 77.2  |

Manual Integrations  
APPROVED

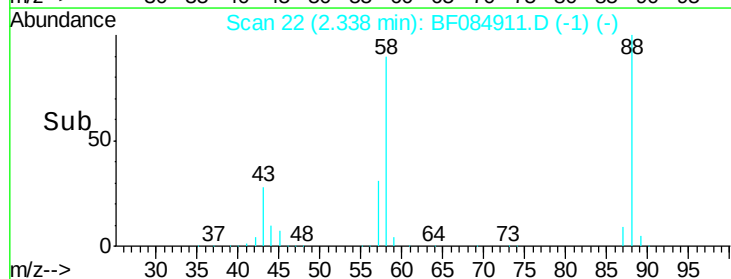
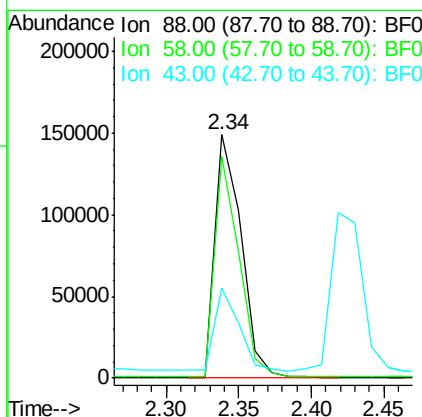
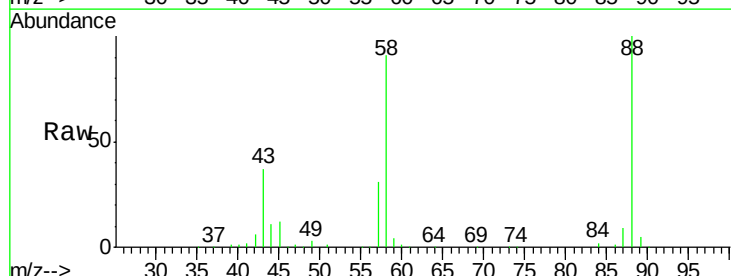
UMANGI  
2/8/2016 3:04:33 PM

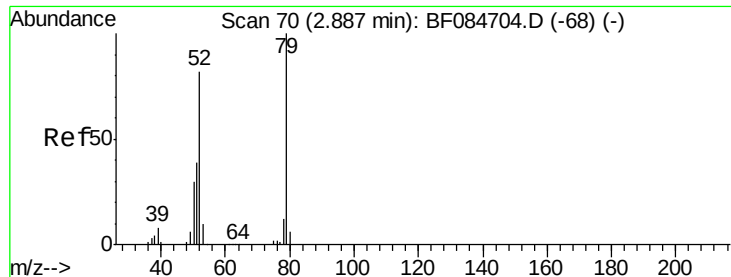


#2

1,4-Dioxane  
Concen: 40.20 ng  
RT: 2.34 min Scan# 22  
Delta R.T. 0.16 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 83.1  | 51.2  | 76.8# |
| 43      | 31.6  | 19.5  | 29.3# |





#3

Pvridine

Concen: 25.54 ng

RT: 2.97 min Scan# 77

Delta R.T. 0.13 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

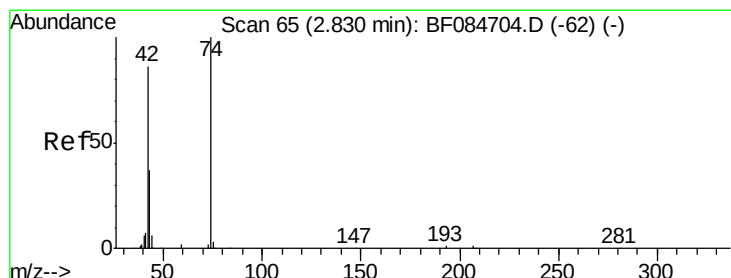
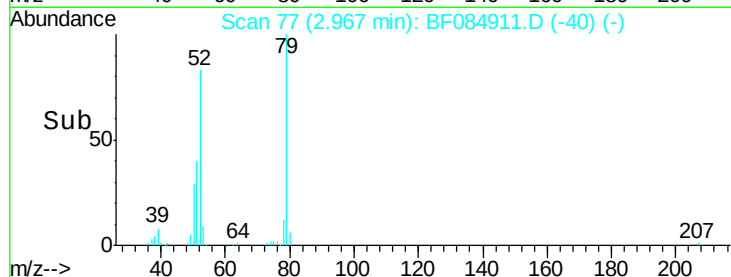
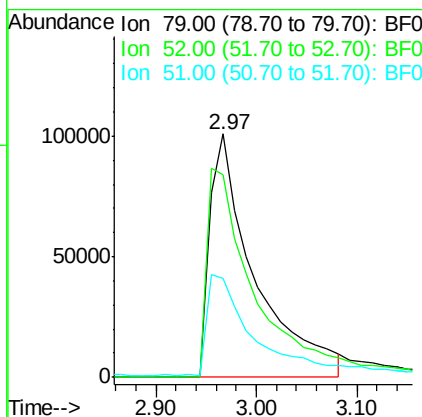
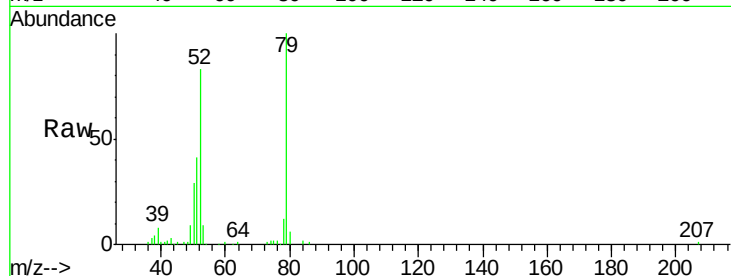
ClientSampleId :

S4-B016(17-19)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 313116 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 83.1  | 49.0  | 73.4#  |
| 51        | 40.8  | 25.2  | 37.8#  |

Manual Integrations  
APPROVED

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#4

n-Nitrosodimethylamine

Concen: 45.67 ng

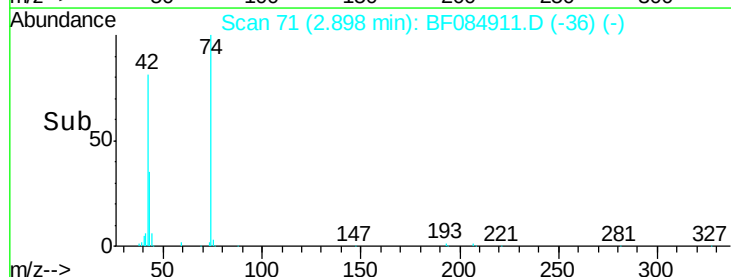
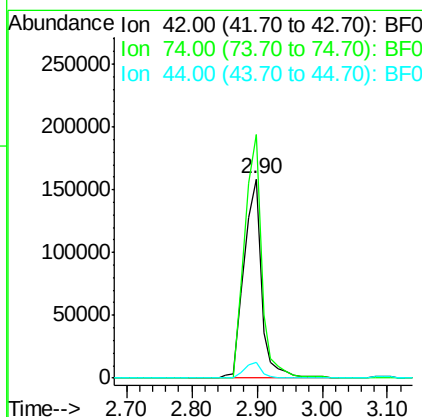
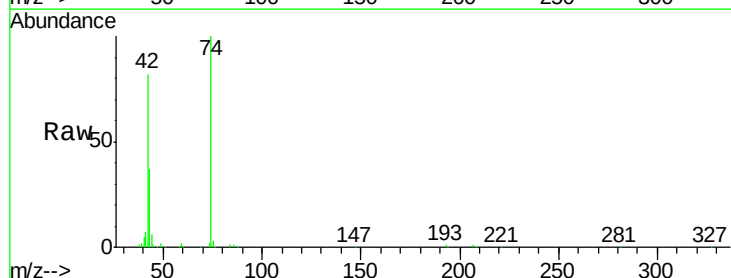
RT: 2.90 min Scan# 71

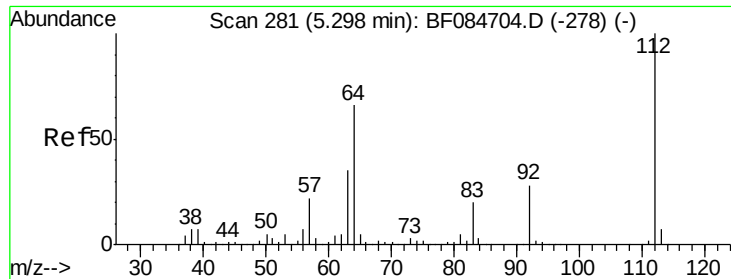
Delta R.T. 0.10 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 289637 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 122.4 | 115.7 | 173.5  |
| 44        | 7.8   | 5.1   | 7.7#   |





#5

2-Fluorophenol

Concen: 126.94 ng

RT: 5.28 min Scan# 279

Delta R.T. -0.00 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

Tot Ion: 112 Resp: 1363876

Ion Ratio Lower Upper

112 100

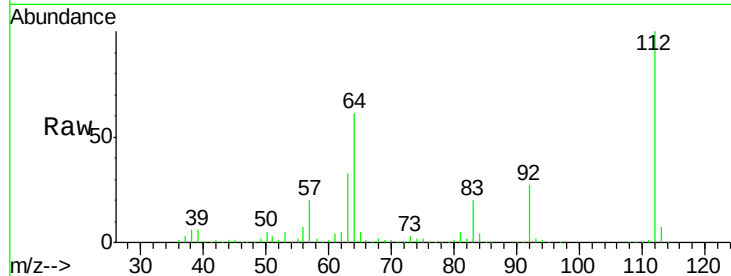
64 61.5 36.6 55.0#

63 32.7 19.4 29.0#

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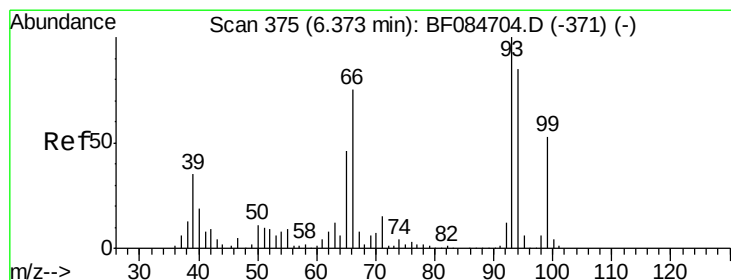
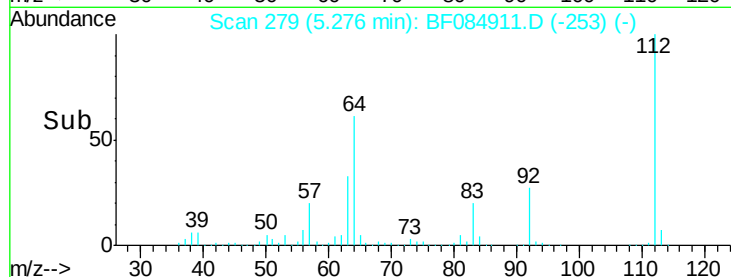
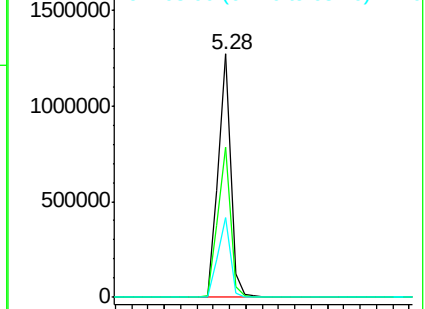
2/8/2016 3:04:33 PM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 6.16 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

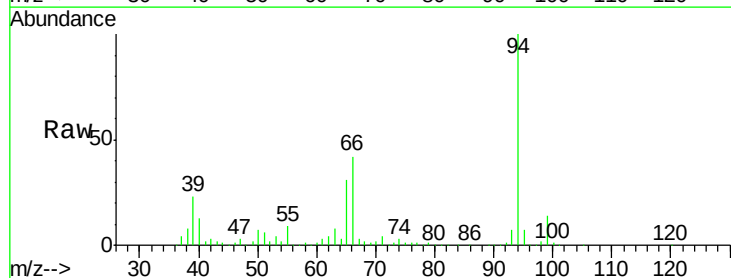
Tgt Ion: 93 Resp: 100447

Ion Ratio Lower Upper

93 100

66 578.1 44.9 67.3#

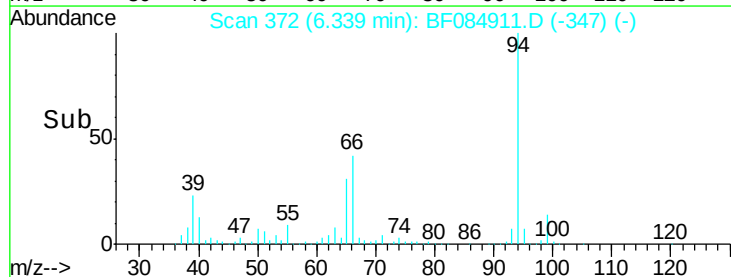
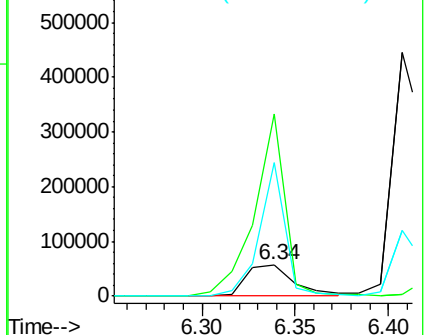
65 423.5 23.7 35.5#

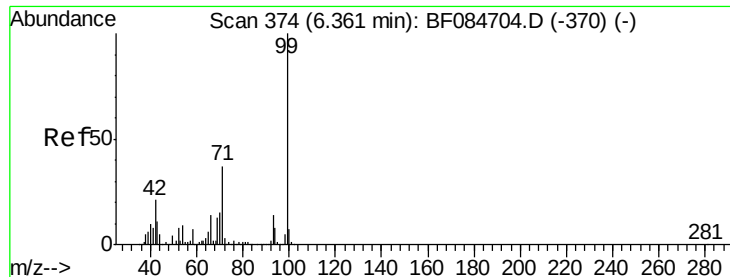


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 117.75 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

Tot Ion: 99 Resp: 1568380

Ion Ratio Lower Upper

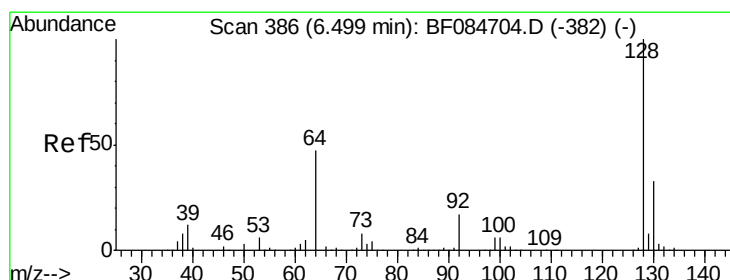
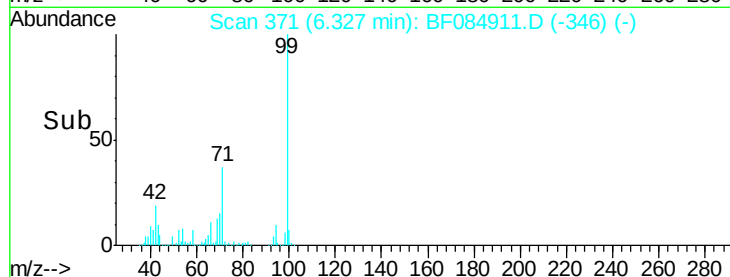
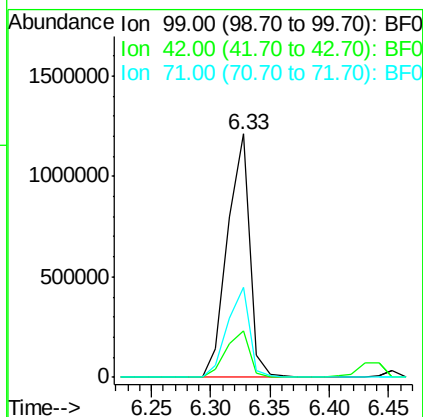
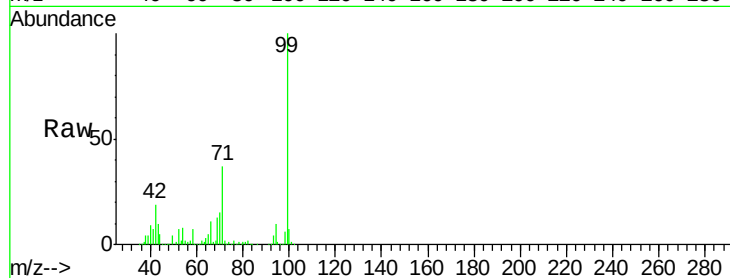
99 100

42 19.2 12.8 19.2

71 36.7 30.9 46.3

Manual Integrations  
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#8

2-Chlorophenol

Concen: 46.84 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

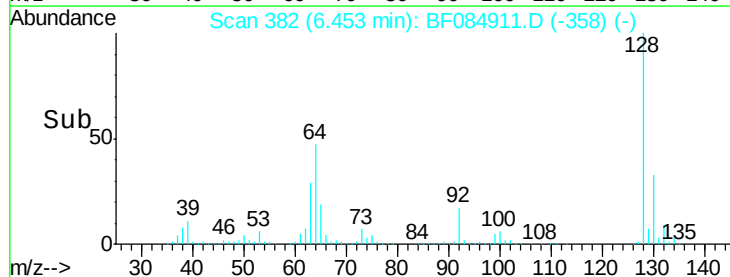
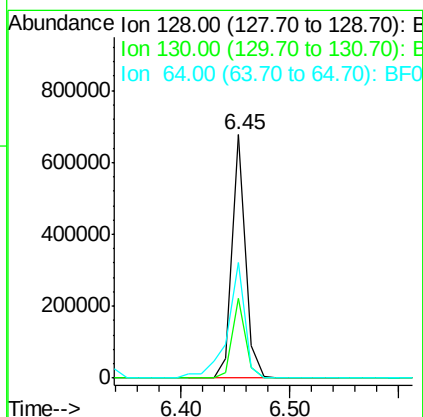
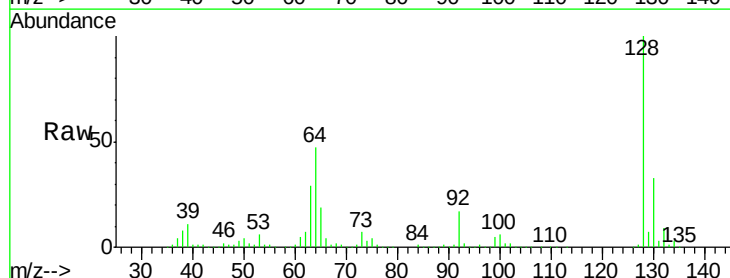
Tgt Ion: 128 Resp: 569615

Ion Ratio Lower Upper

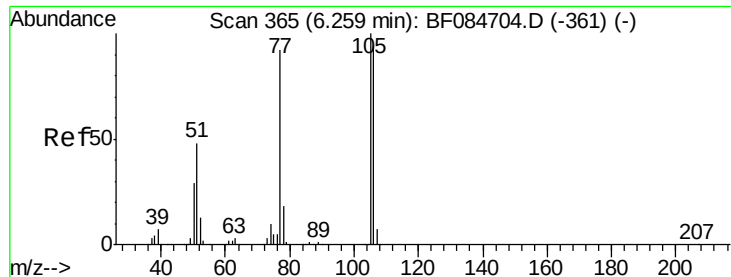
128 100

130 32.7 11.6 51.6

64 47.3 23.8 63.8







#9

Benzaldehyde

Concen: 4.01 ng

RT: 6.21 min Scan# 361

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

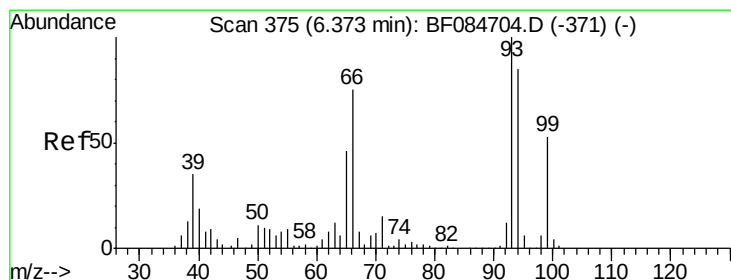
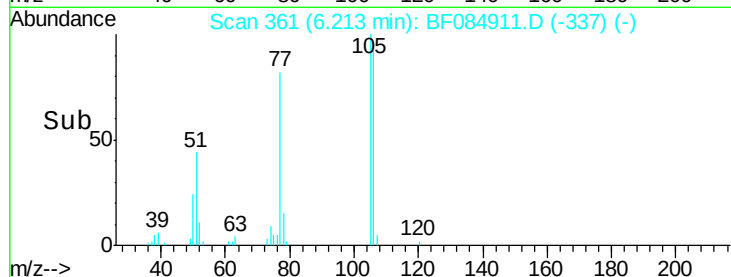
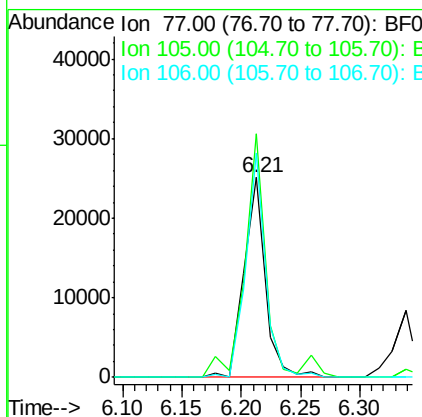
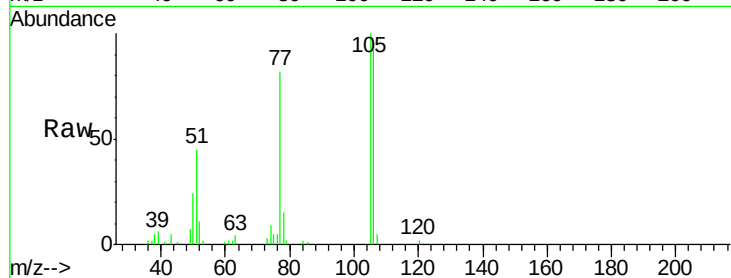
ClientSampleId :

S4-B016(17-19)MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 31554 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 121.9 | 83.0  | 123.0 |
| 106      | 112.4 | 74.6  | 114.6 |

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#10

Phenol

Concen: 44.89 ng

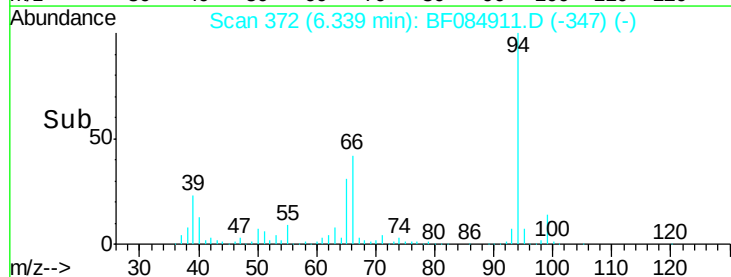
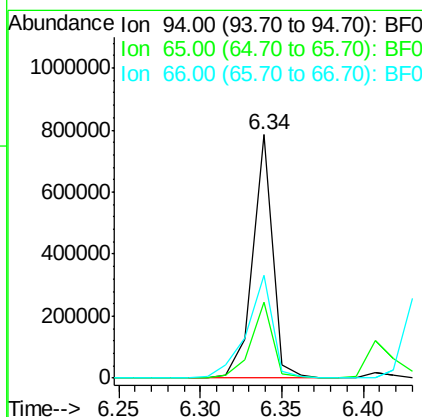
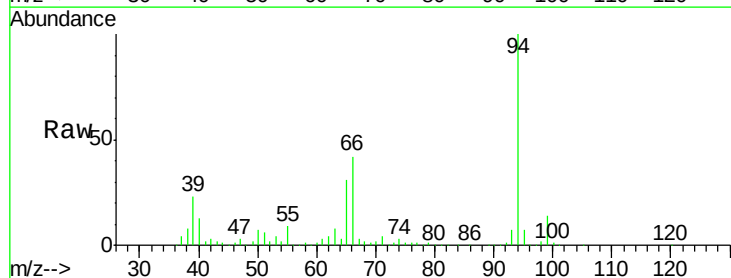
RT: 6.34 min Scan# 372

Delta R.T. -0.01 min

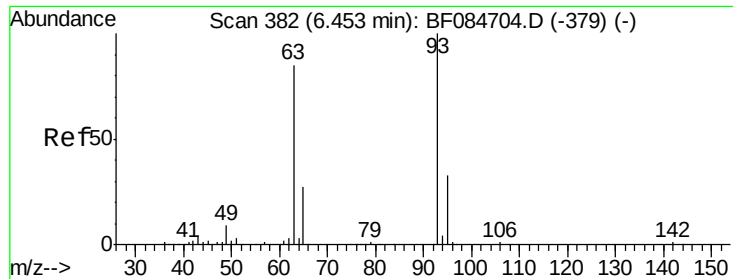
Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 669854 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 31.0  | 12.9  | 52.9   |
| 66       | 42.3  | 32.7  | 72.7   |







#11

bis(2-Chloroethyl)ether

Concen: 45.99 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

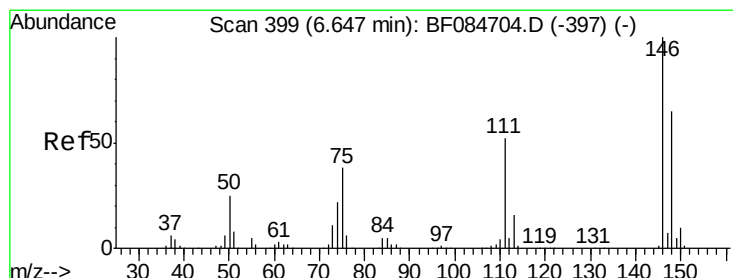
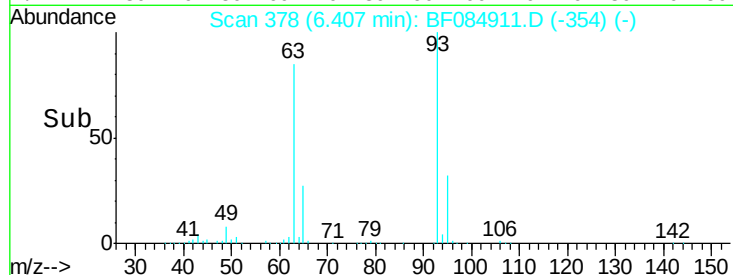
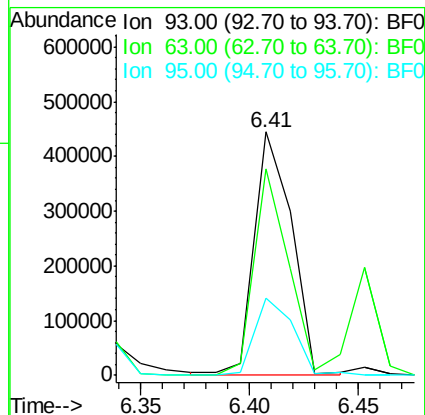
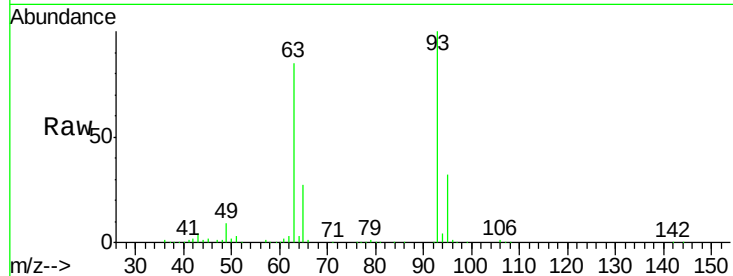
ClientSampleId :

S4-B016(17-19)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 535131 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 85.0  | 45.9  | 85.9   |
| 95        | 31.6  | 12.3  | 52.3   |

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#12

1,3-Dichlorobenzene

Concen: 42.64 ng m

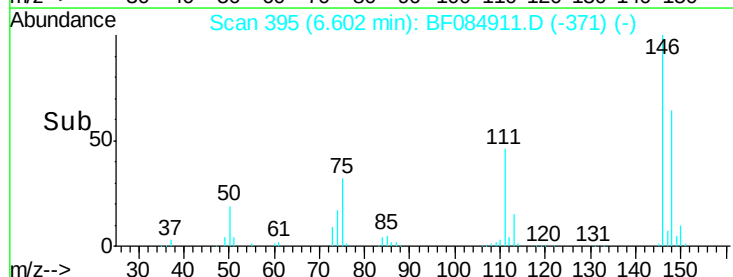
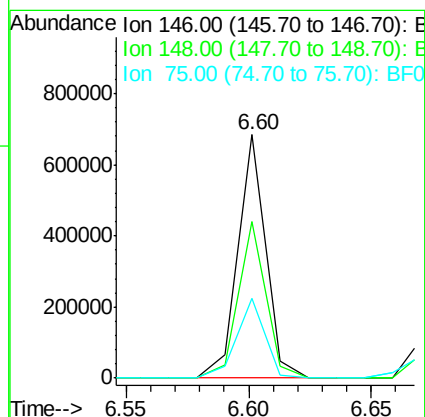
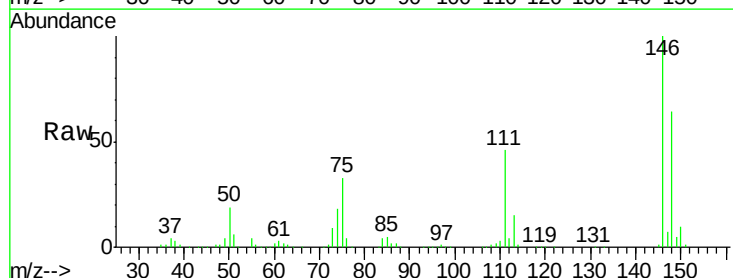
RT: 6.60 min Scan# 395

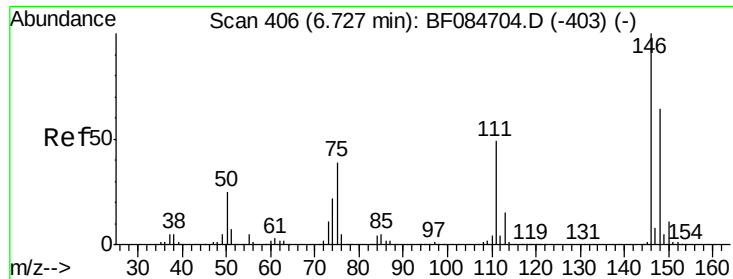
Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 547868 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.5  | 51.9  | 77.9   |
| 75        | 32.8  | 20.5  | 30.7#  |





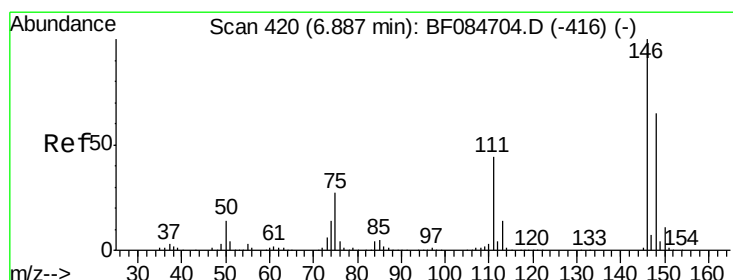
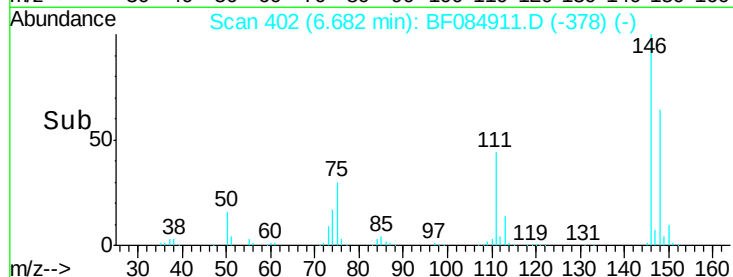
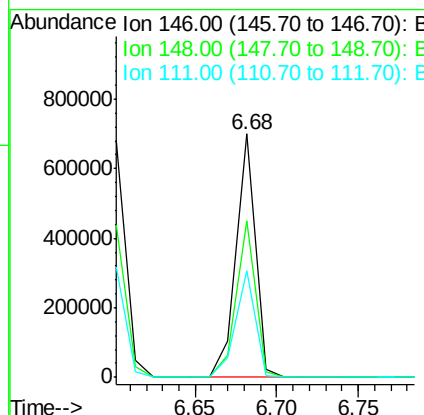
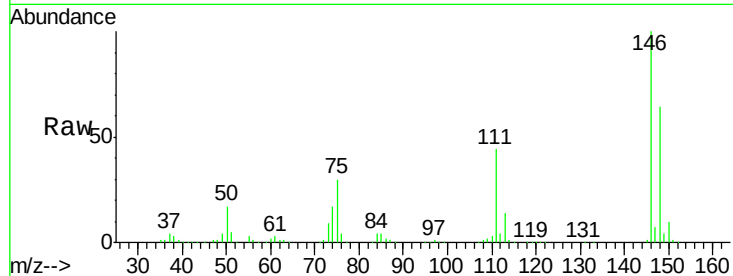
#13  
1,4-Dichlorobenzene  
Concen: 44.13 ng  
RT: 6.68 min Scan# 402  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.4  | 51.9  | 77.9  |
| 111     | 43.6  | 41.6  | 62.4  |

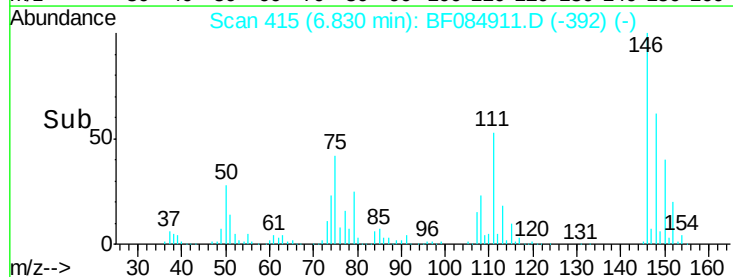
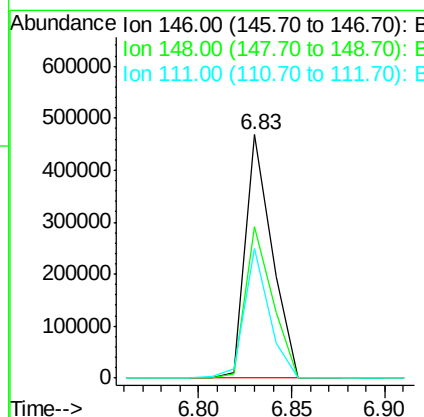
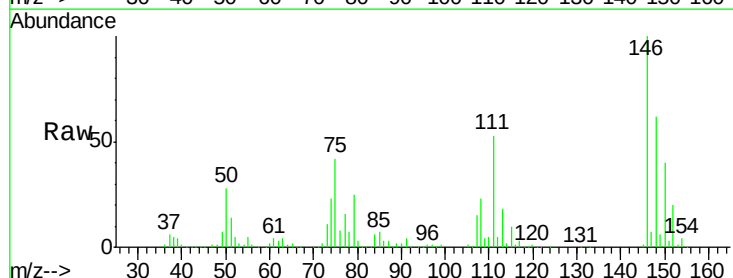
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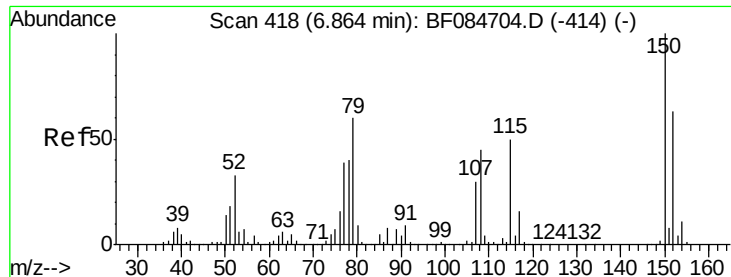
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#14  
1,2-Dichlorobenzene  
Concen: 38.72 ng  
RT: 6.83 min Scan# 415  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.3  | 51.6  | 77.4  |
| 111     | 53.5  | 38.0  | 57.0  |





#15

Benzyl Alcohol

Concen: 42.87 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

Tot Ion: 79 Resp: 394248

Ion Ratio Lower Upper

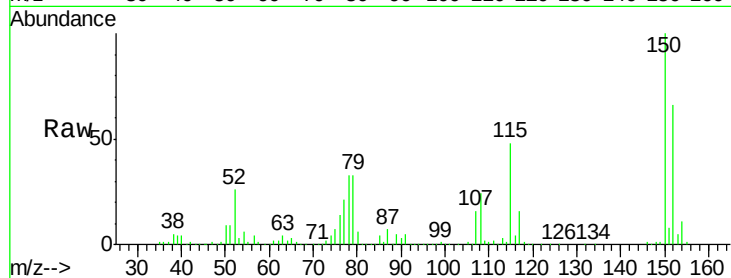
79 100

108 73.0 69.0 103.4

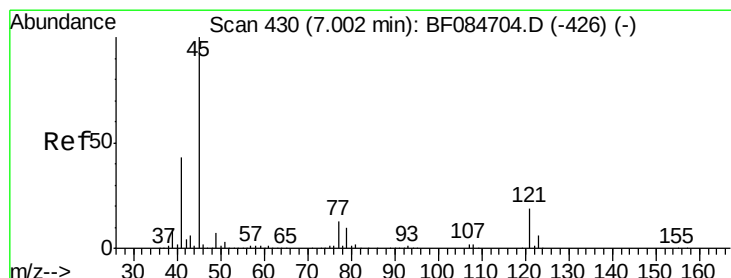
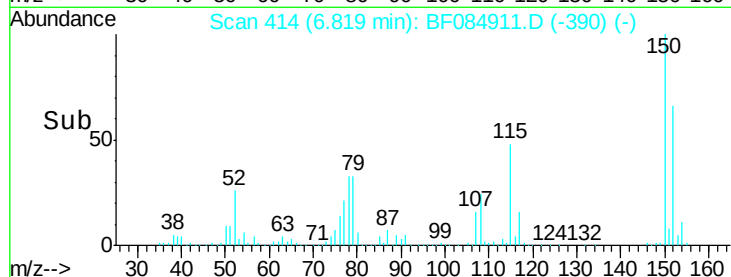
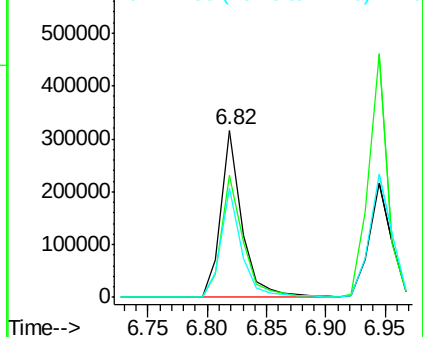
77 65.3 50.0 75.0

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Abundance Ion 79.00 (78.70 to 79.70): BF0  
Ion 108.00 (107.70 to 108.70): BF0  
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.74 ng

RT: 6.96 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

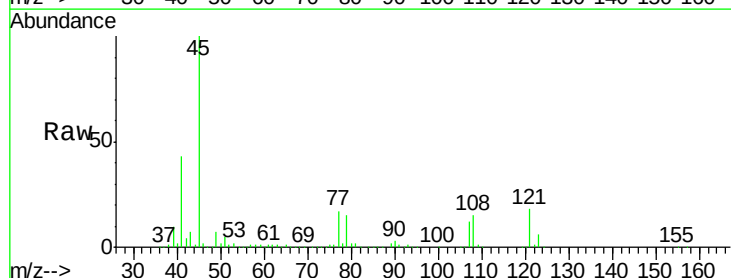
Tgt Ion: 45 Resp: 836561

Ion Ratio Lower Upper

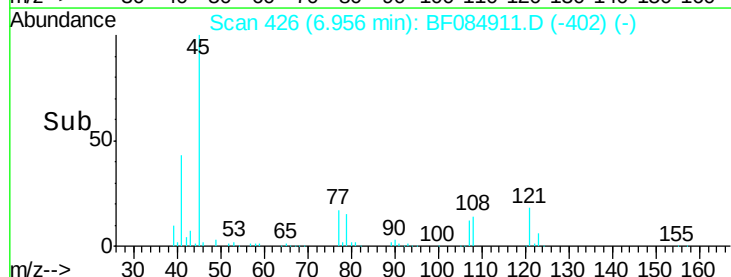
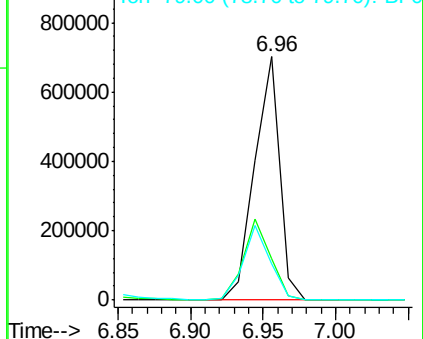
45 100

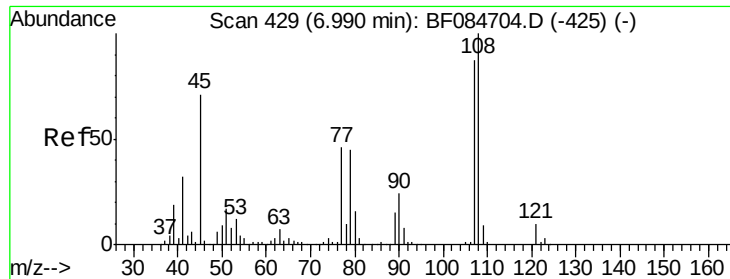
77 17.2 0.0 39.6

79 14.9 0.0 35.0



Abundance Ion 45.00 (44.70 to 45.70): BF0  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 46.25 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

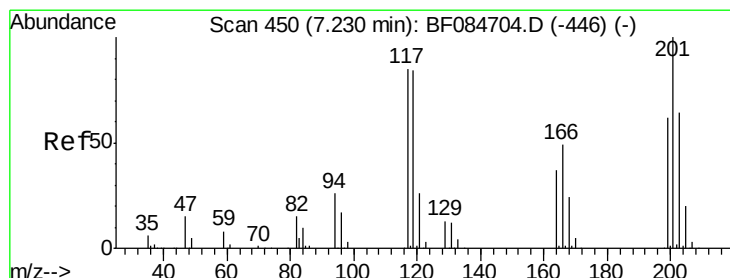
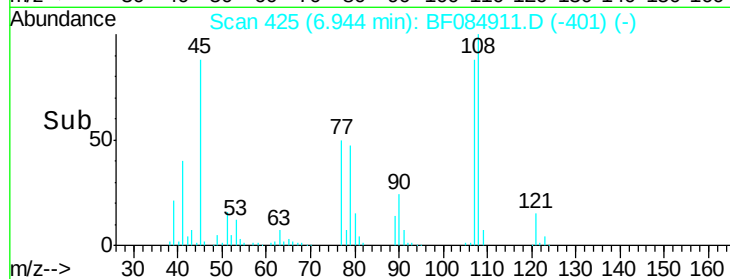
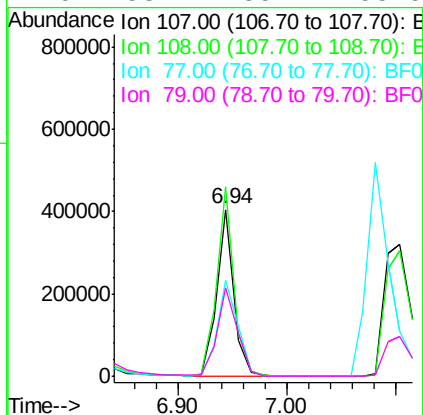
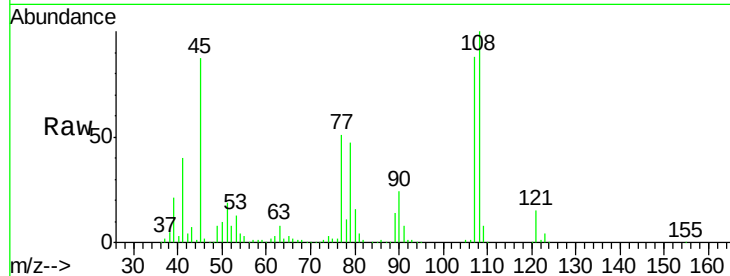
ClientSampleId :

S4-B016(17-19)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 107   | Resp: | 444862 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 113.6 | 89.8  | 134.6  |
| 77        | 57.7  | 35.7  | 53.5#  |
| 79        | 53.1  | 35.7  | 53.5   |

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#18

Hexachloroethane

Concen: 43.52 ng

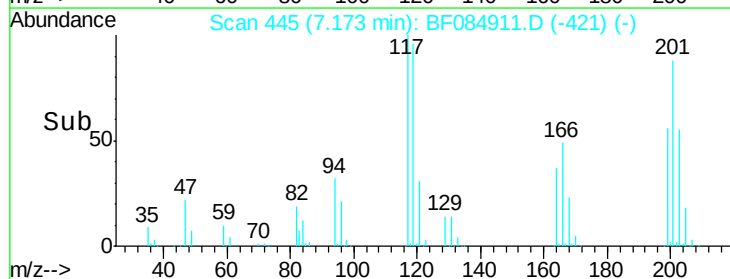
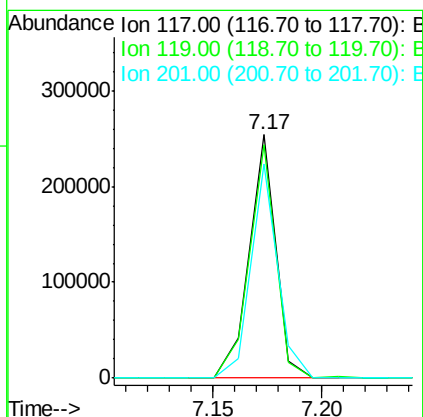
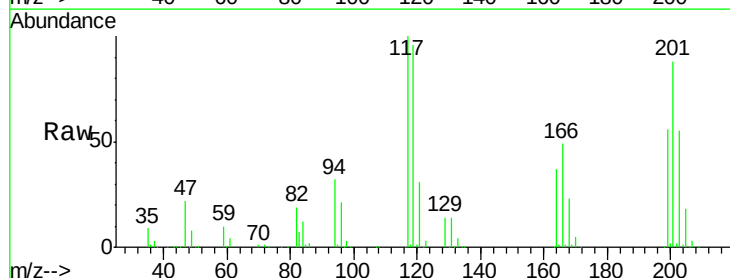
RT: 7.17 min Scan# 445

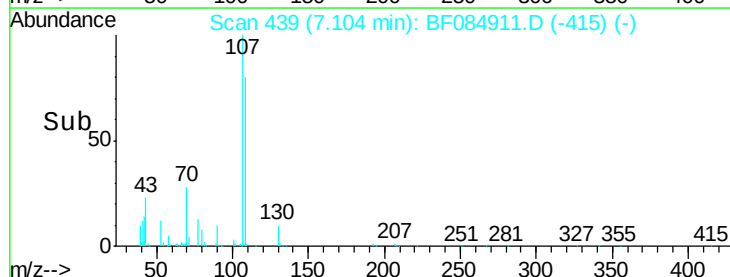
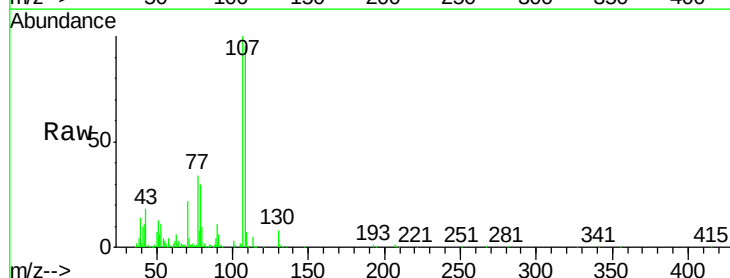
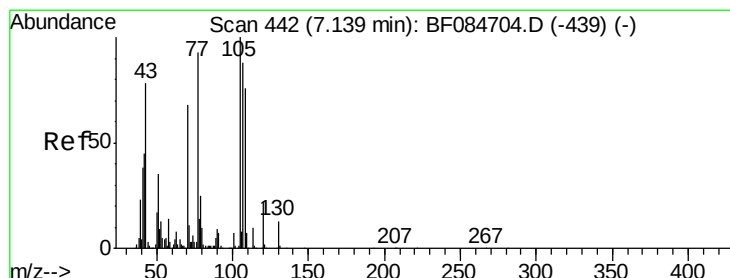
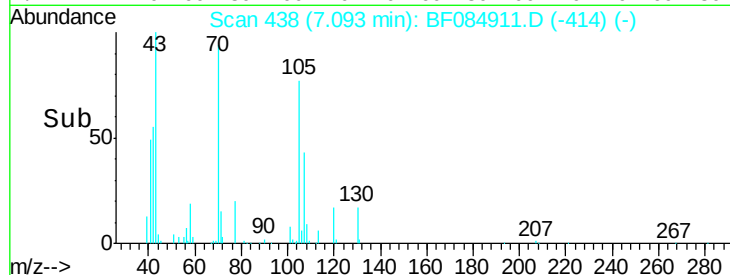
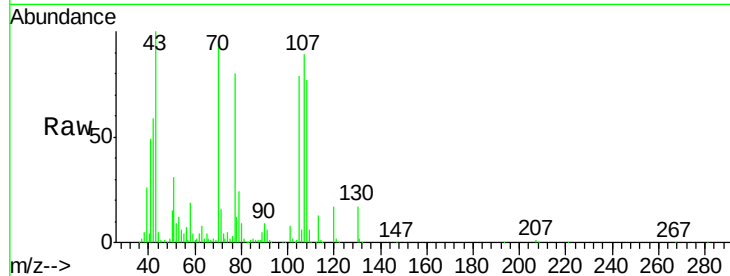
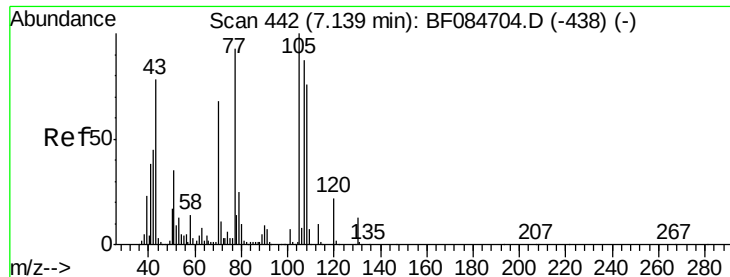
Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 215294 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 95.8  | 77.4  | 116.0  |
| 201       | 88.1  | 68.6  | 103.0  |





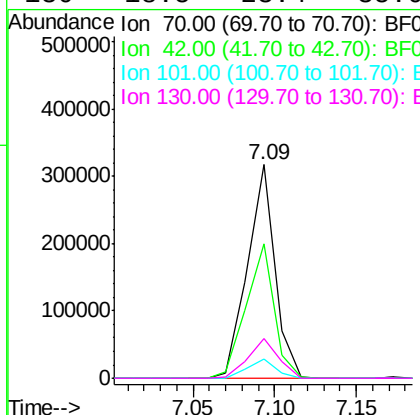
#19  
n-Nitroso-di-n-propylamine  
Concen: 44.37 ng  
RT: 7.09 min Scan# 438  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 70      | 100   |            |       |
| 42      | 62.8  | 33.3       | 49.9# |
| 101     | 8.9   | 9.3        | 13.9# |
| 130     | 18.5  | 23.4       | 35.0# |

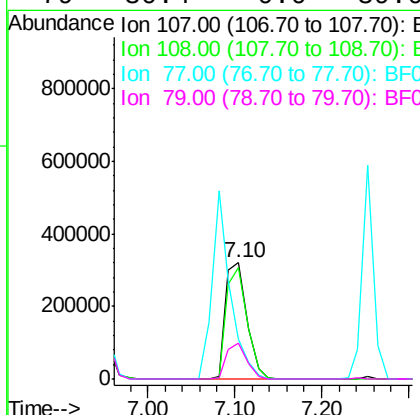
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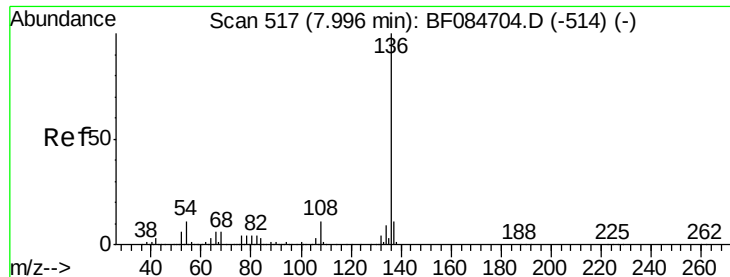
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#20  
3+4-Methylphenols  
Concen: 46.23 ng  
RT: 7.10 min Scan# 439  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 107     | 100   |            |       |
| 108     | 95.5  | 74.6       | 114.6 |
| 77      | 33.7  | 0.7        | 40.7  |
| 79      | 30.4  | 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: BF084911.D

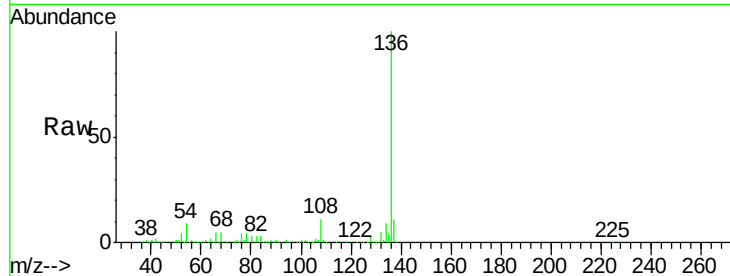
Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

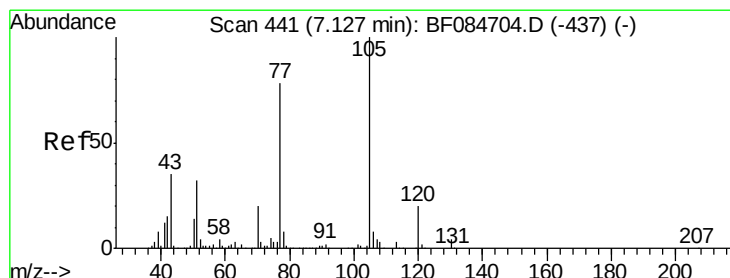
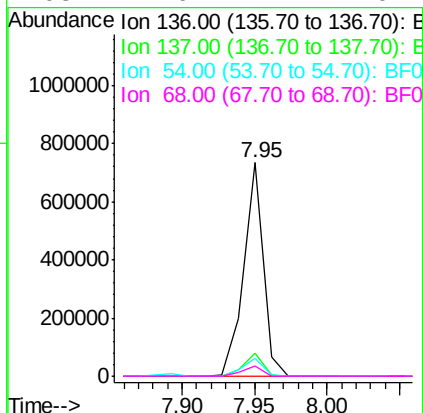
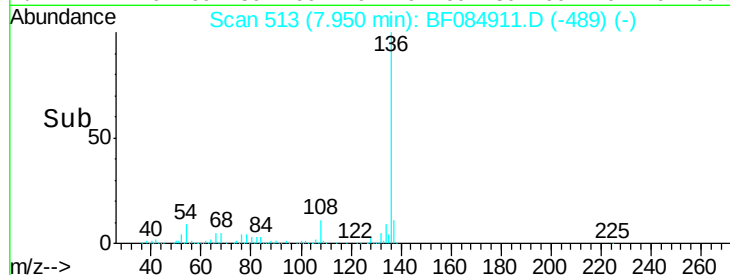
S4-B016(17-19)MS



| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 690070 |       |       |
| 137     | 11.1 | 8.7   | 13.1   |       |       |
| 54      | 8.5  | 5.8   | 8.8    |       |       |
| 68      | 4.6  | 4.2   | 6.2    |       |       |

Manual Integrations  
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#22

Acetophenone

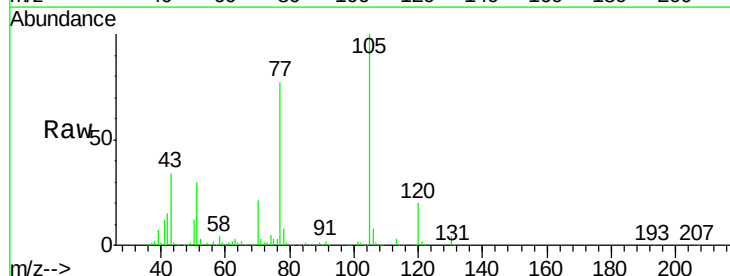
Concen: 43.19 ng

RT: 7.08 min Scan# 437

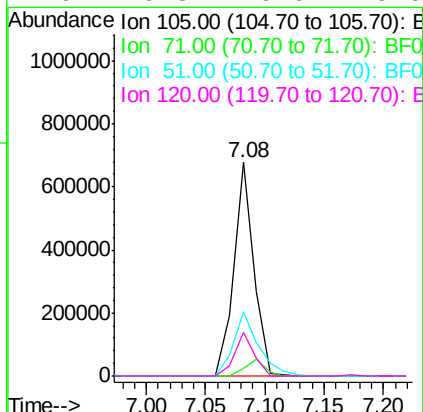
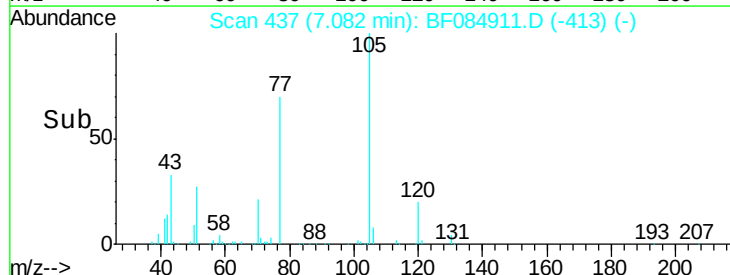
Delta R.T. -0.02 min

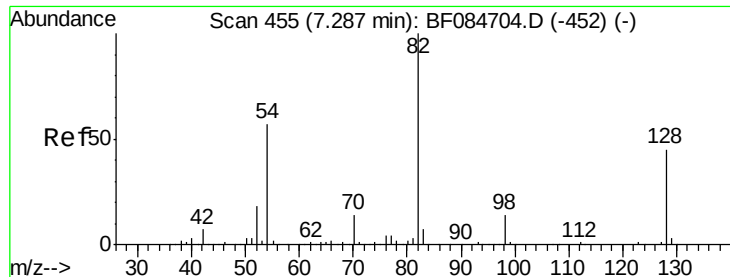
Lab File: BF084911.D

Acq: 6 Feb 2016 14:58



| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 785470 |       |       |
| 71      | 3.5  | 3.7   | 5.5#   |       |       |
| 51      | 29.9 | 25.1  | 37.7   |       |       |
| 120     | 20.3 | 16.6  | 25.0   |       |       |





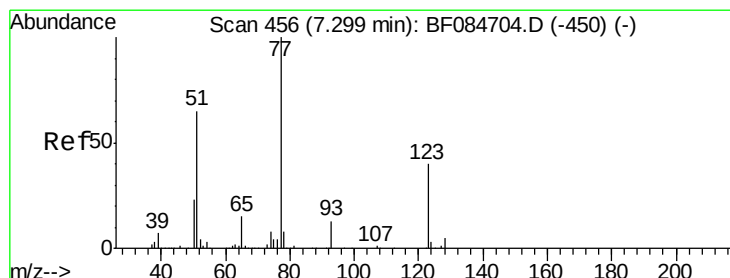
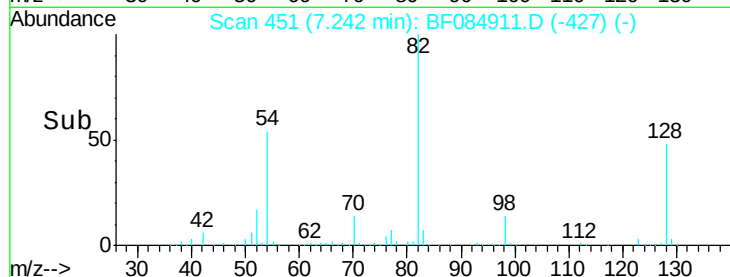
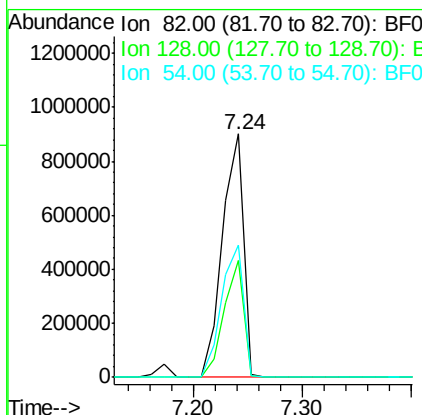
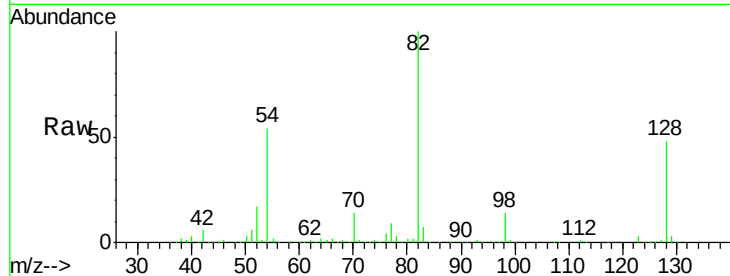
#23  
 Nitrobenzene-d5  
 Concen: 98.43 ng  
 RT: 7.24 min Scan# 451  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 48.2  | 34.6  | 51.8  |
| 54      | 54.3  | 38.4  | 57.6  |

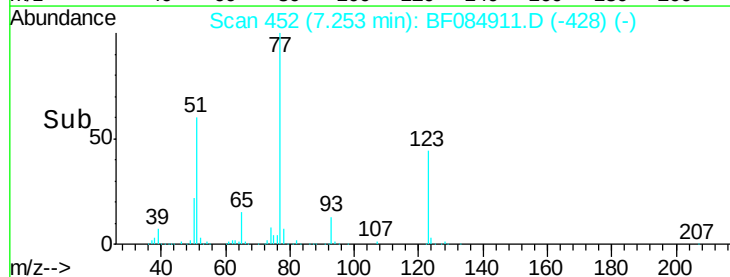
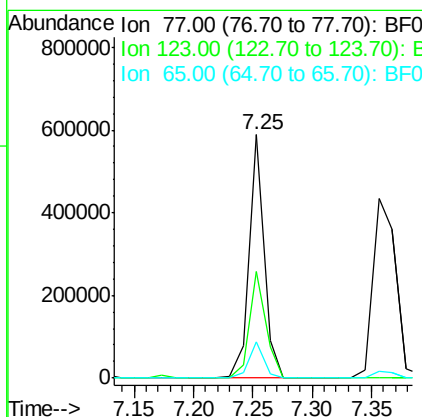
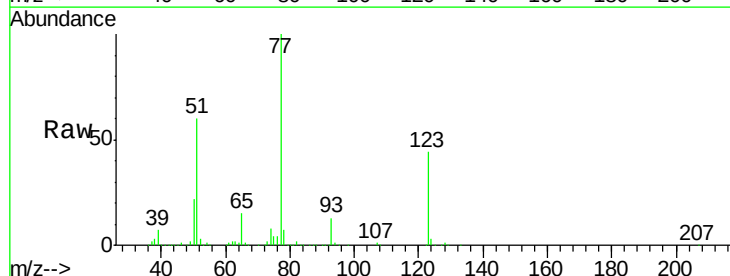
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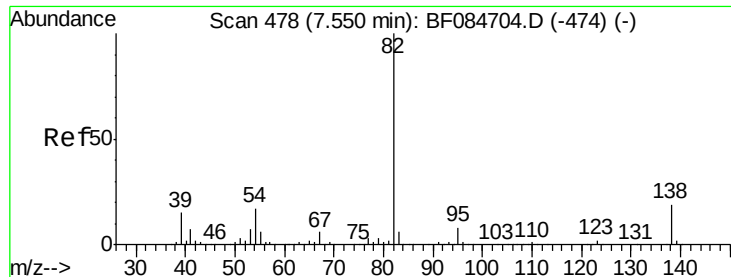


#24  
 Nitrobenzene  
 Concen: 40.01 ng  
 RT: 7.25 min Scan# 452  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 44.0  | 37.4  | 56.2  |
| 65      | 14.8  | 10.9  | 16.3  |







#25

Isophorone

Concen: 44.46 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

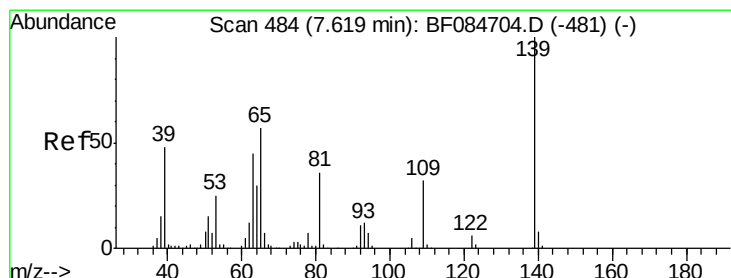
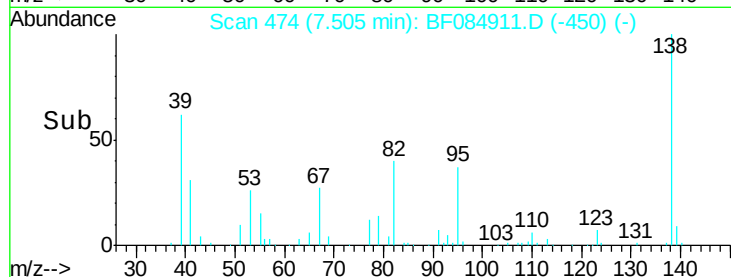
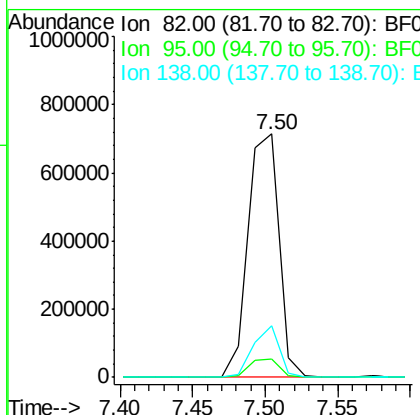
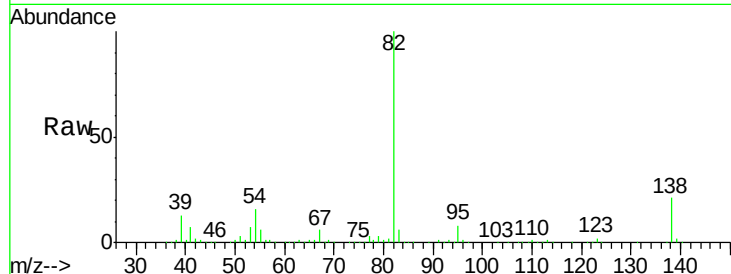
ClientSampleId :

S4-B016(17-19)MS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 82    | Resp: | 1058992 |
| Ion Ratio | Lower | Upper |         |
| 82        | 100   |       |         |
| 95        | 7.7   | 6.6   | 10.0    |
| 138       | 21.0  | 13.6  | 20.4    |

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#26

2-Nitrophenol

Concen: 47.63 ng

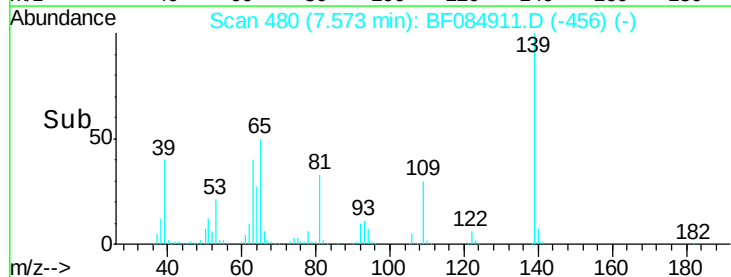
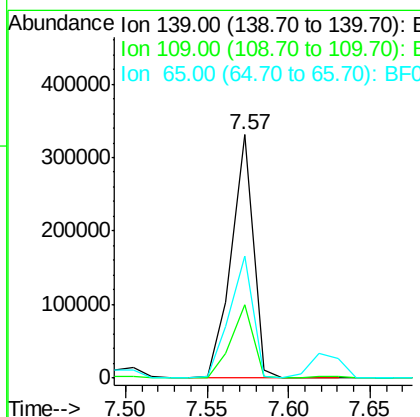
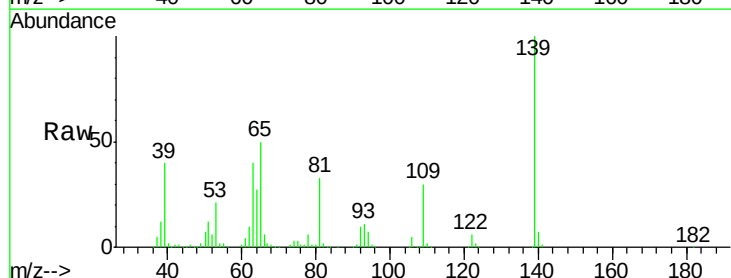
RT: 7.57 min Scan# 480

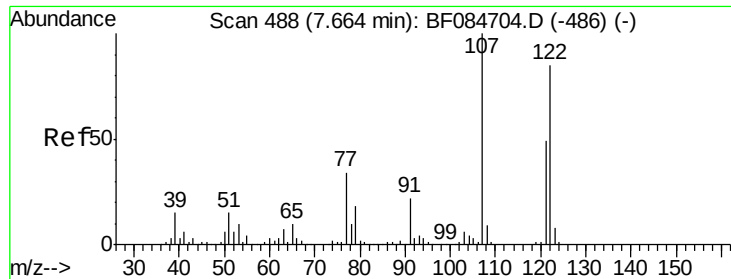
Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 308179 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 30.1  | 25.4  | 38.2   |
| 65        | 49.9  | 32.3  | 48.5   |





#27

2,4-Dimethylphenol

Concen: 43.83 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

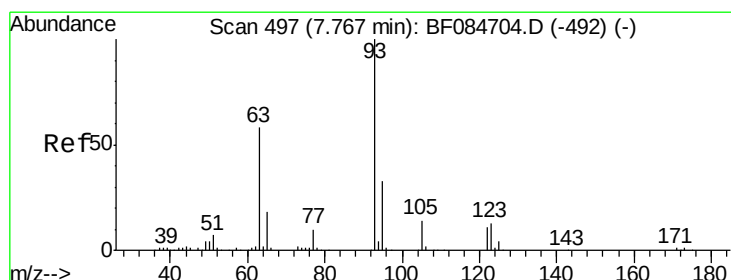
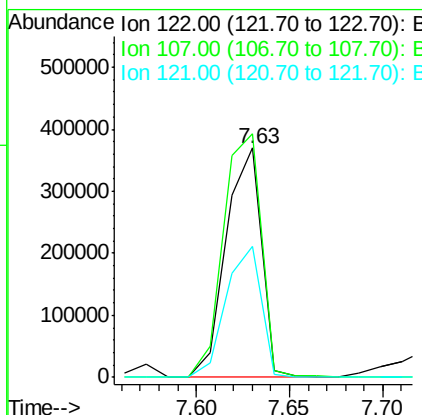
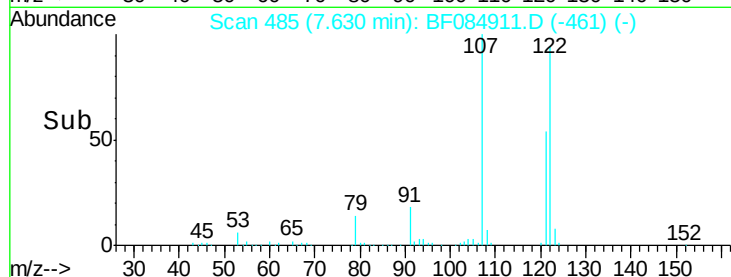
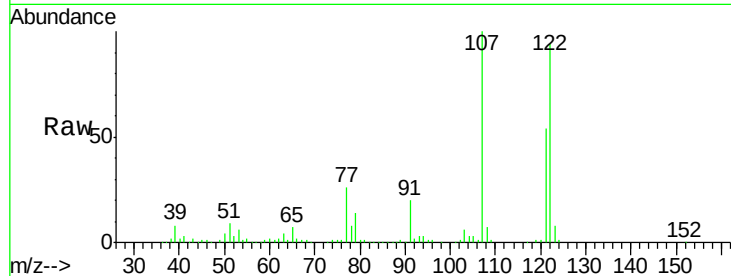
ClientSampleId :

S4-B016(17-19)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 493214 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 106.2 | 99.1  | 148.7  |
| 121       | 57.0  | 47.9  | 71.9   |

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#28

bis(2-Chloroethoxy)methane

Concen: 43.75 ng

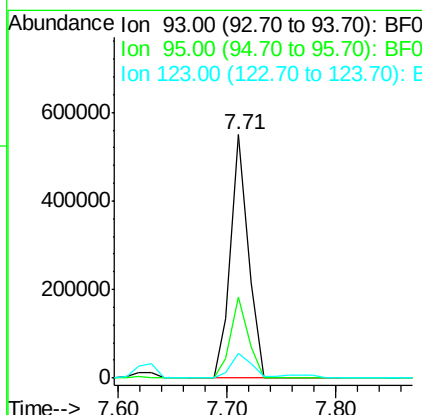
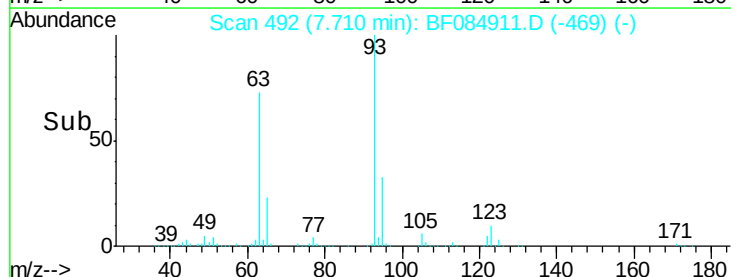
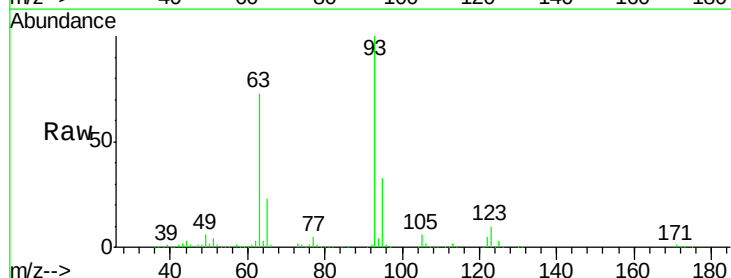
RT: 7.71 min Scan# 492

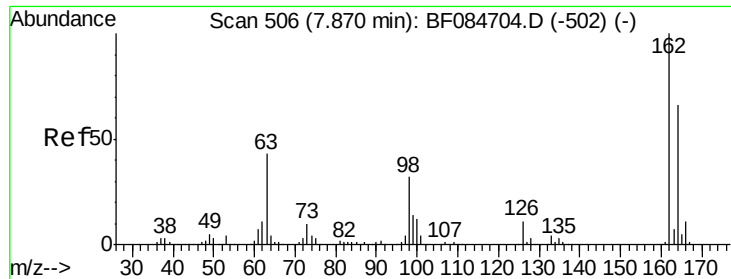
Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 618242 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 33.3  | 25.8  | 38.6   |
| 123       | 10.2  | 8.6   | 12.8   |





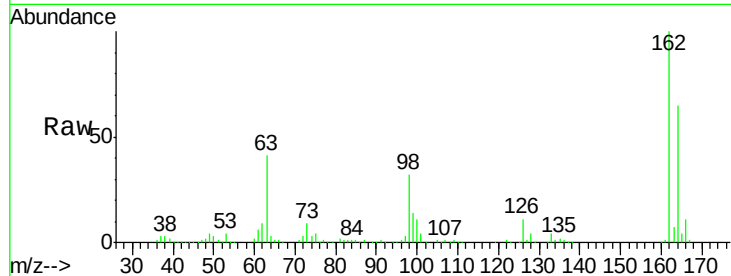
#29  
2,4-Dichlorophenol  
Concen: 46.57 ng  
RT: 7.82 min Scan# 502  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

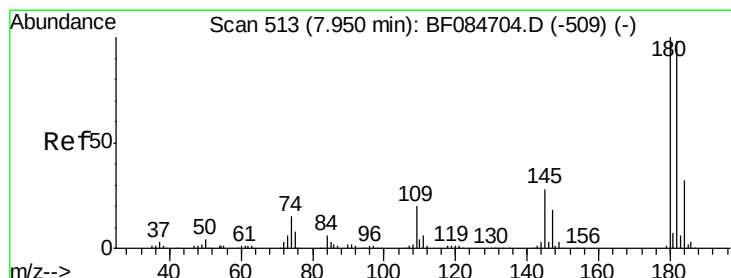
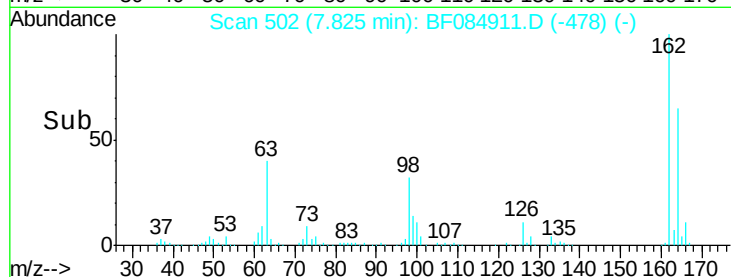
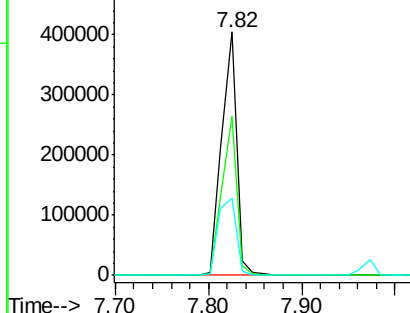
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 448378 |       |       |
| 164     | 65.2  | 44.1   | 84.1  |       |
| 98      | 31.8  | 20.2   | 60.2  |       |

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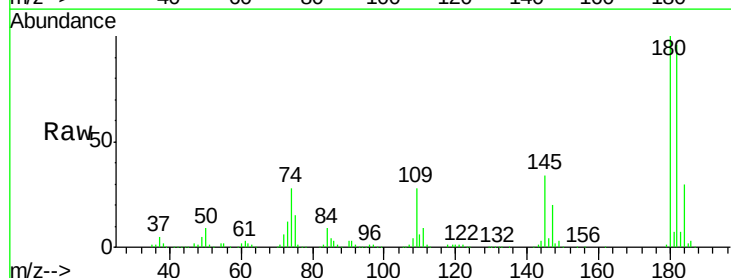


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF0

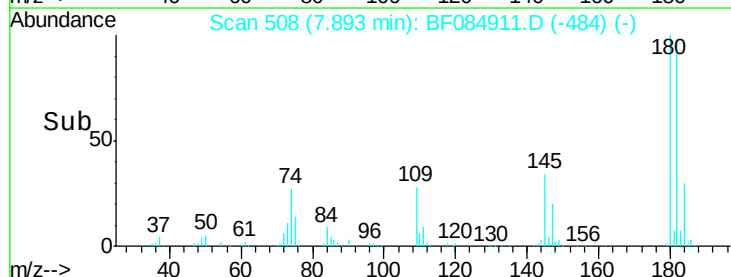
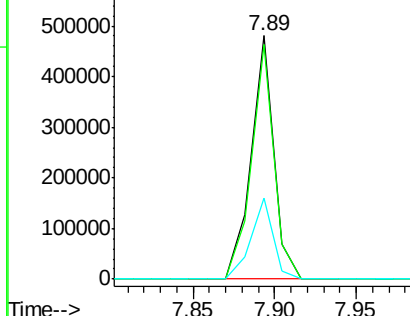


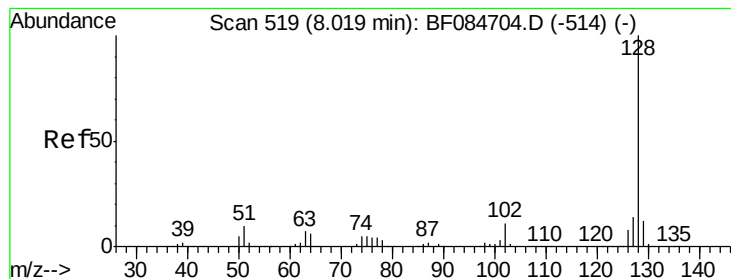
#30  
1,2,4-Trichlorobenzene  
Concen: 42.88 ng  
RT: 7.89 min Scan# 508  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 466329 |       |       |
| 182     | 96.4  | 76.4   | 114.6 |       |
| 145     | 33.5  | 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: 47.13 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

Tot Ion:128 Resp: 1631286

Ion Ratio Lower Upper

128 100

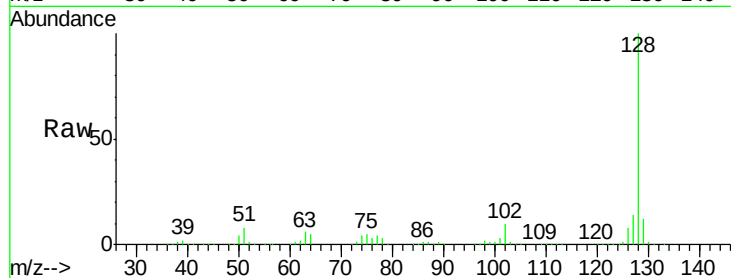
129 11.8 9.1 13.7

127 13.8 11.1 16.7

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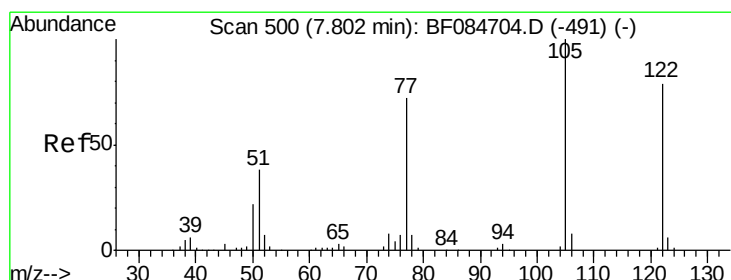
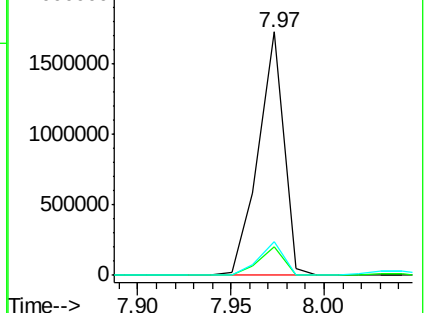
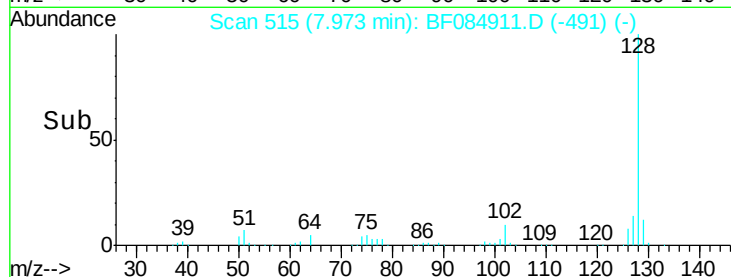
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 46.29 ng

RT: 7.78 min Scan# 498

Delta R.T. -0.01 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

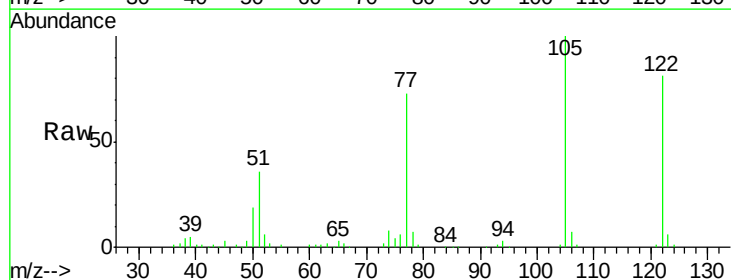
Tgt Ion:122 Resp: 333212

Ion Ratio Lower Upper

122 100

105 123.4 100.3 140.3

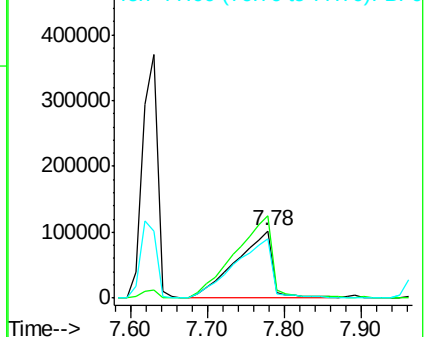
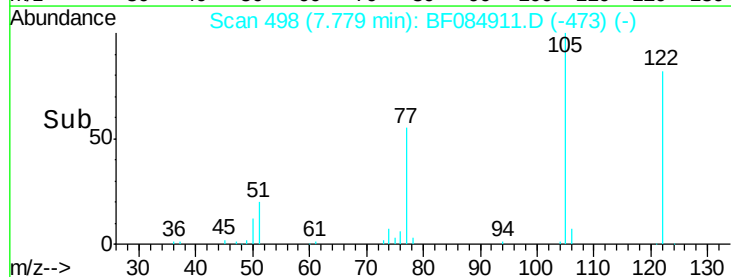
77 89.4 63.5 103.5

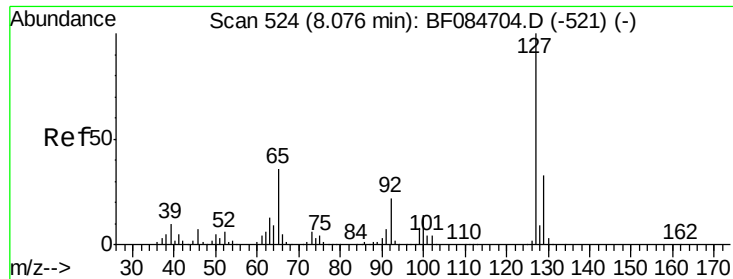


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





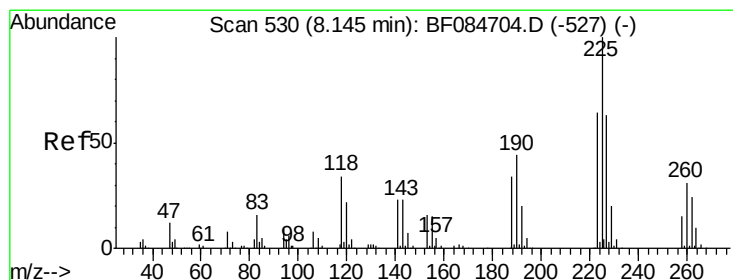
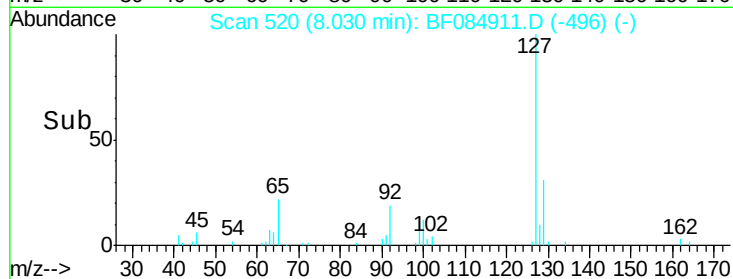
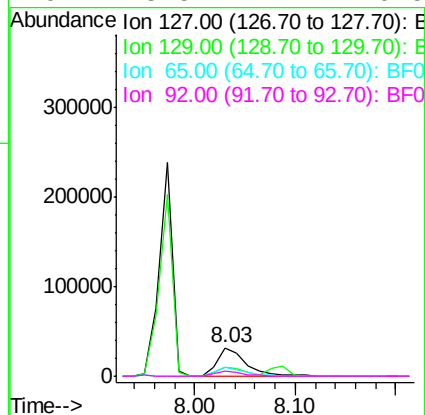
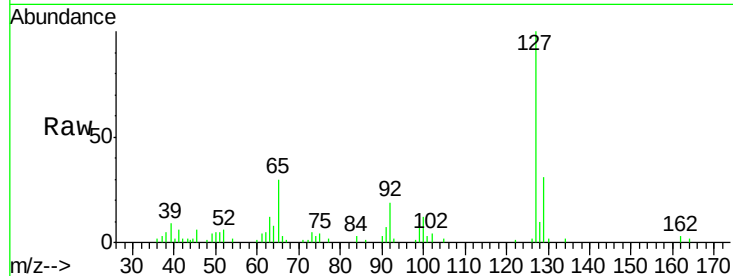
#33  
4-Chloroaniline  
Concen: 4.51 ng  
RT: 8.03 min Scan# 520  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 127     | 100  |       | 64614 |       |       |
| 129     | 31.1 | 26.5  | 39.7  |       |       |
| 65      | 30.3 | 27.2  | 40.8  |       |       |
| 92      | 18.5 | 17.7  | 26.5  |       |       |

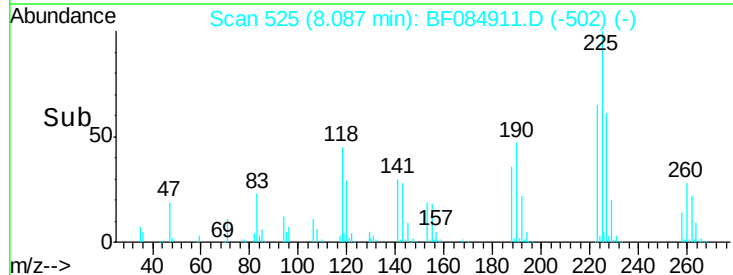
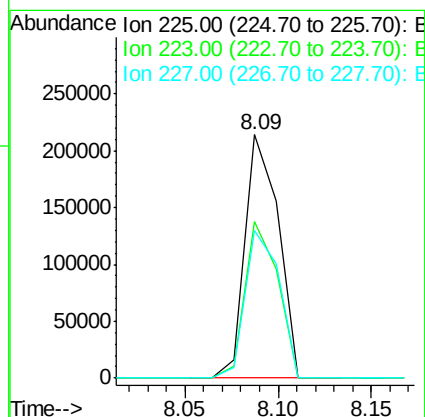
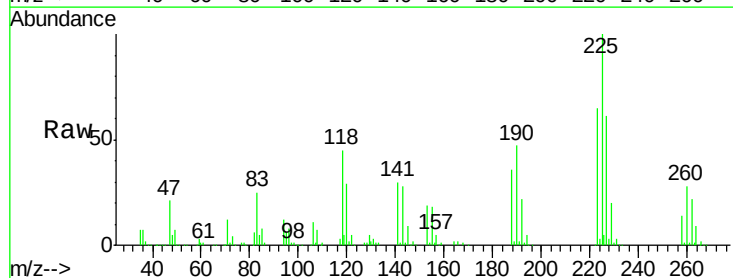
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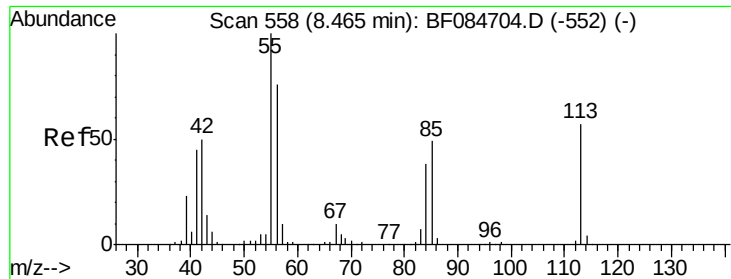
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#34  
Hexachlorobutadiene  
Concen: 42.30 ng  
RT: 8.09 min Scan# 525  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 265277 |       |       |
| 223     | 64.6 | 49.4  | 74.0   |       |       |
| 227     | 60.7 | 50.8  | 76.2   |       |       |





#35

Caprolactam

Concen: 41.97 ng/ml

RT: 8.42 min Scan# 554

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

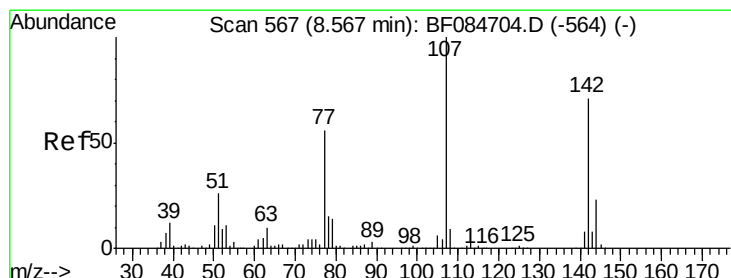
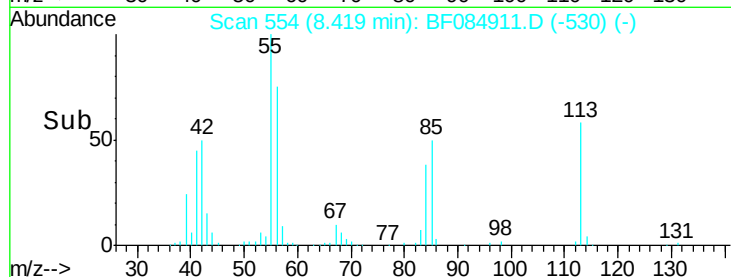
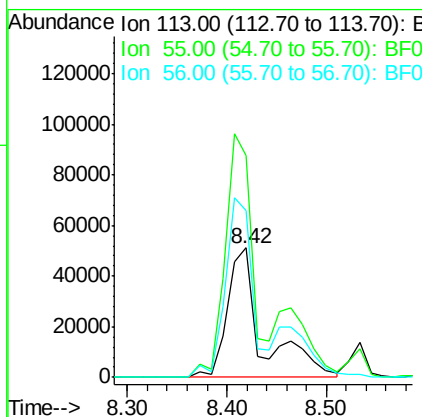
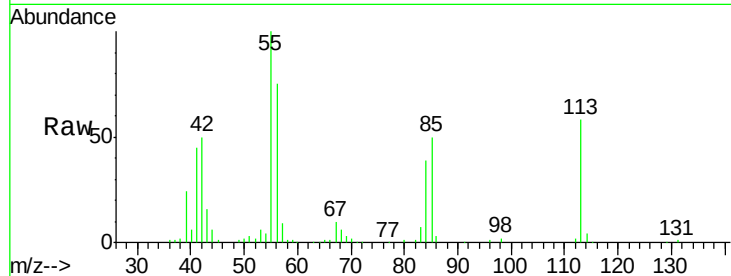
ClientSampleId :

S4-B016(17-19)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 124543 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 171.2 | 116.9 | 156.9# |
| 56        | 129.1 | 93.8  | 133.8  |

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#36

4-Chloro-3-methylphenol

Concen: 46.11 ng/ml

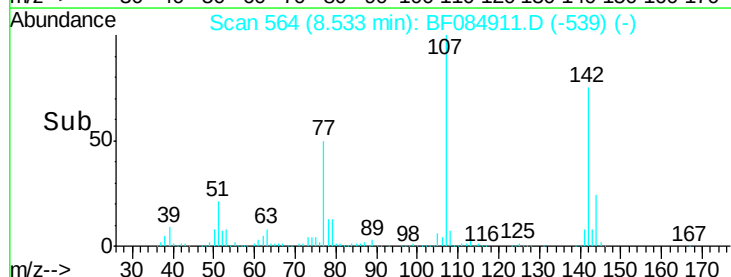
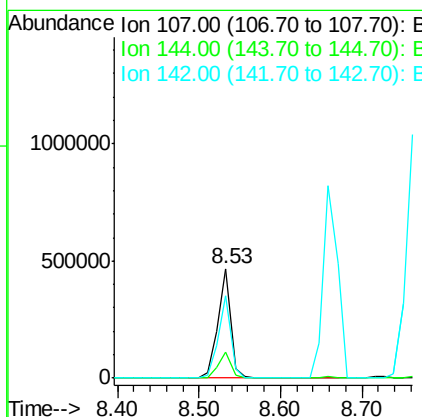
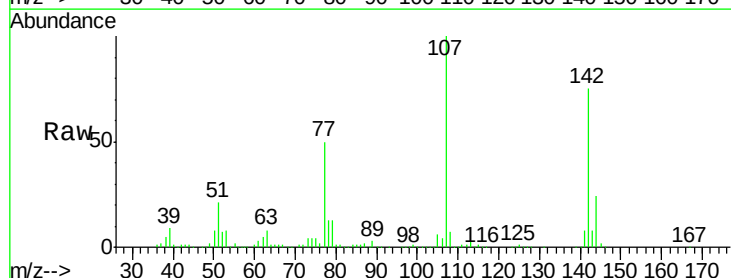
RT: 8.53 min Scan# 564

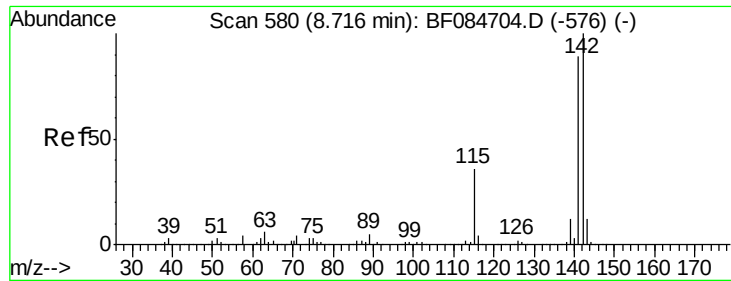
Delta R.T. -0.01 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 506462 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 24.3  | 19.7  | 29.5   |
| 142       | 74.8  | 61.8  | 92.6   |





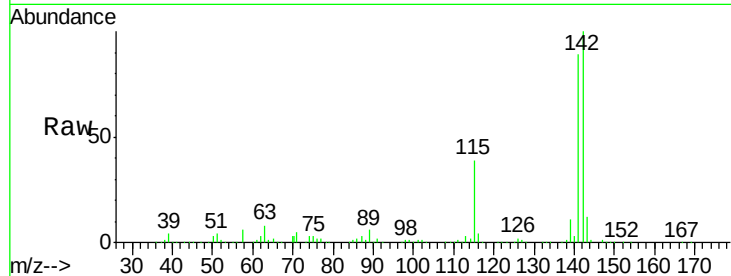
#37  
2-Methylnaphthalene  
Concen: 46.32 ng  
RT: 8.66 min Scan# 575  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

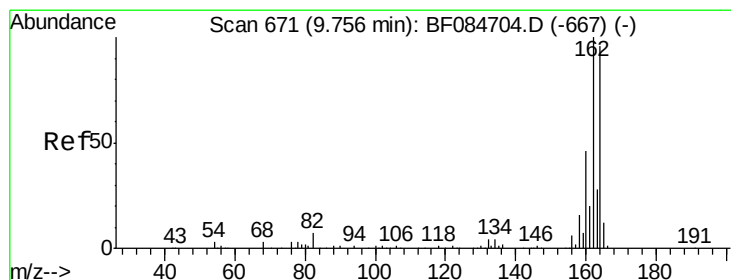
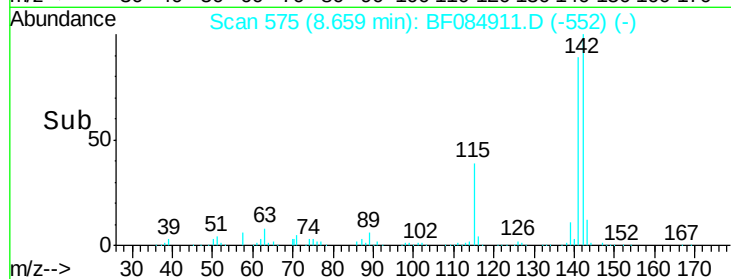
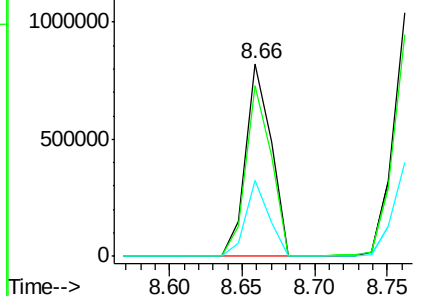
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.8  | 72.4  | 108.6 |
| 115     | 39.5  | 27.9  | 41.9  |

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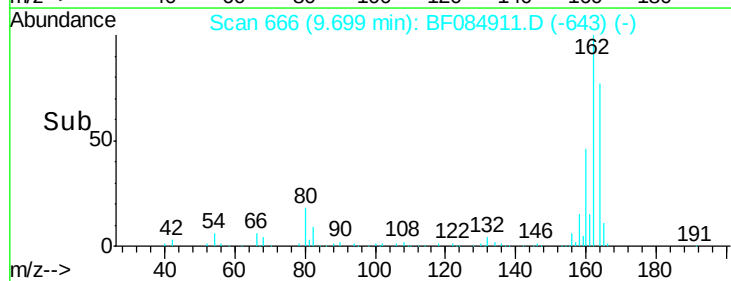
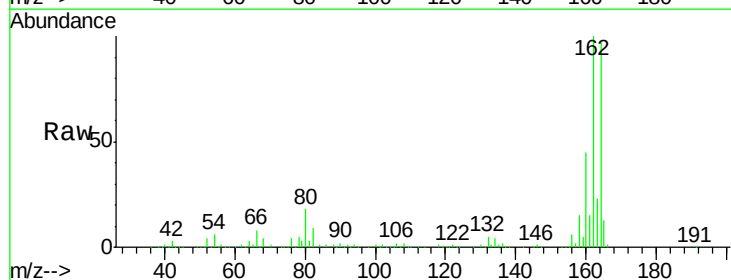
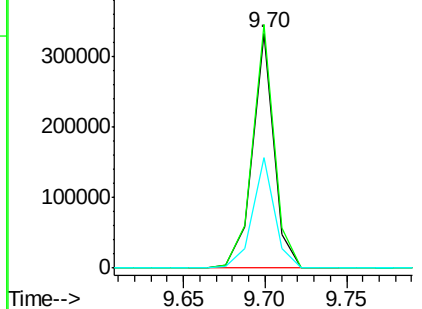
Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

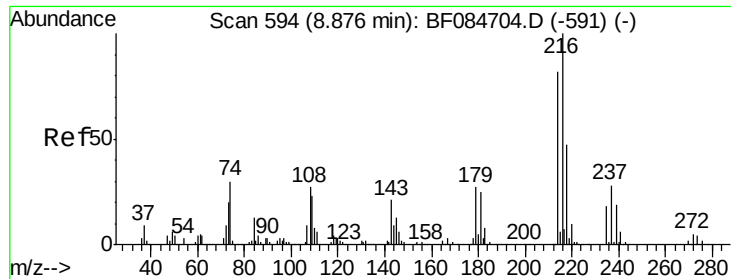


#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.70 min Scan# 666  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.6 | 85.1  | 127.7 |
| 160     | 46.8  | 37.5  | 56.3  |

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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 46.59 ng

RT: 8.83 min Scan# 590

Delta R.T. -0.02 min

Lab File: BF084911.D

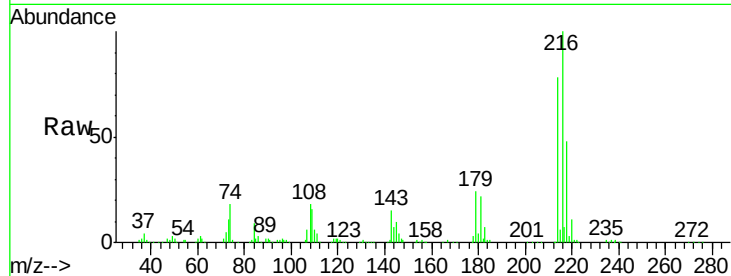
Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

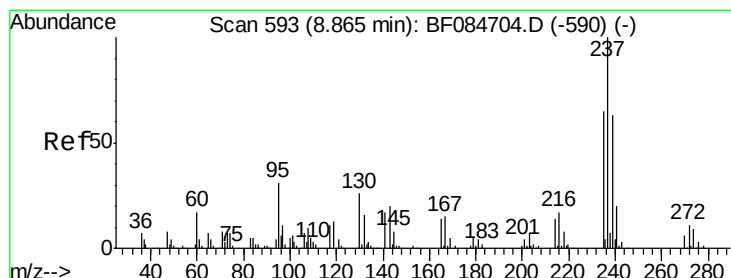
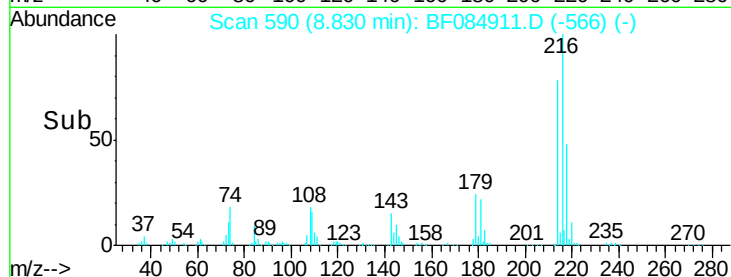
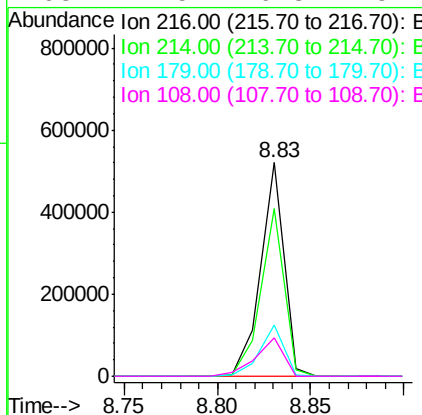
S4-B016(17-19)MS



| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 449762  | 216 | 100   |      |       |       |
|         | 214 | 78.3  | 64.2 | 96.2  |       |
|         | 179 | 24.2  | 18.7 | 28.1  |       |
|         | 108 | 21.5  | 16.8 | 25.2  |       |

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#40

Hexachlorocyclopentadiene

Concen: 75.21 ng

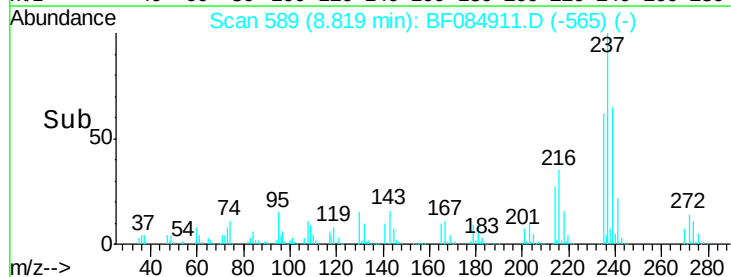
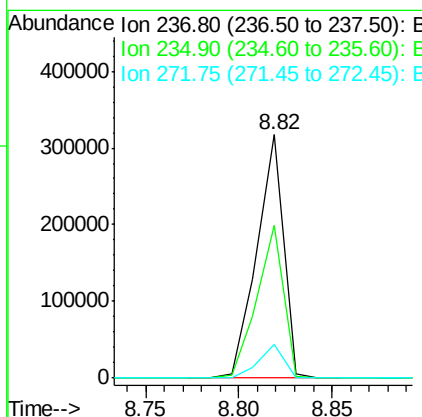
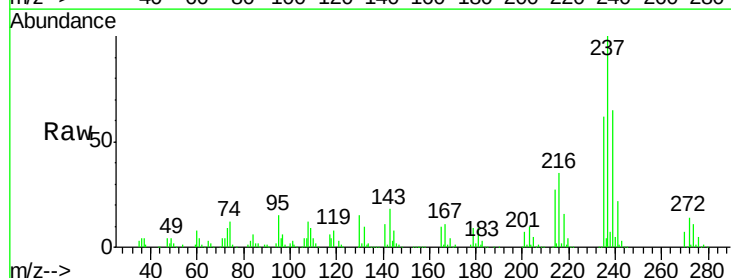
RT: 8.82 min Scan# 589

Delta R.T. -0.02 min

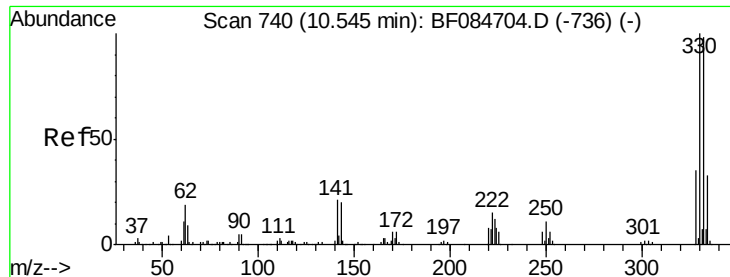
Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 312679  | 237 | 100   |      |       |       |
|         | 235 | 62.5  | 43.1 | 83.1  |       |
|         | 272 | 13.7  | 0.0  | 35.1  |       |







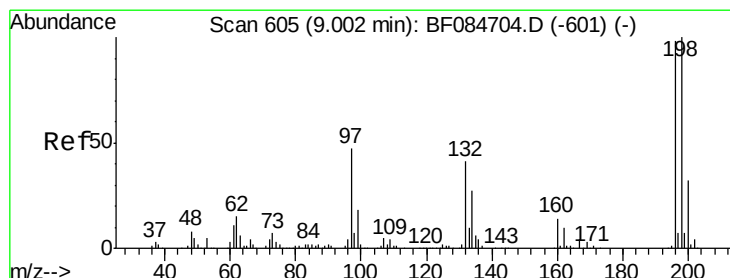
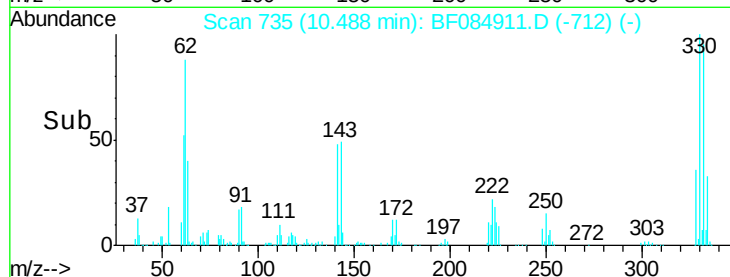
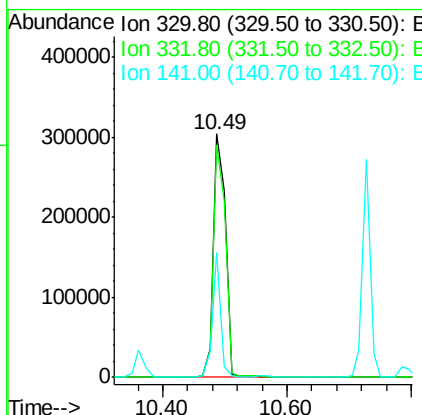
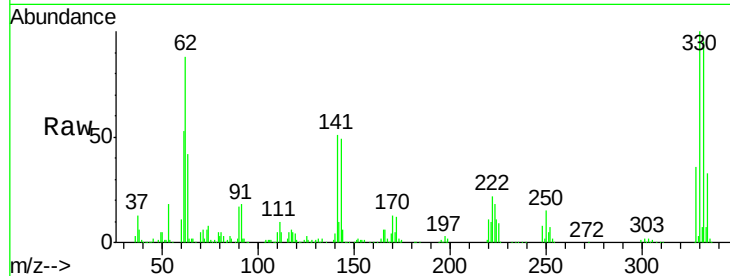
#41  
 2,4,6-Tribromophenol  
 Concen: 127.94 ng  
 RT: 10.49 min Scan# 735  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 405640 |       |       |
| 332     | 95.3  | 76.6   | 114.8 |       |
| 141     | 35.0  | 27.8   | 41.6  |       |

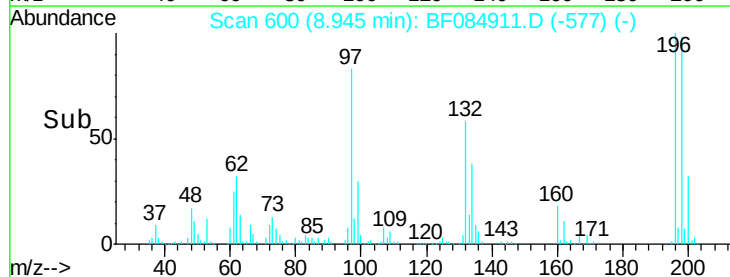
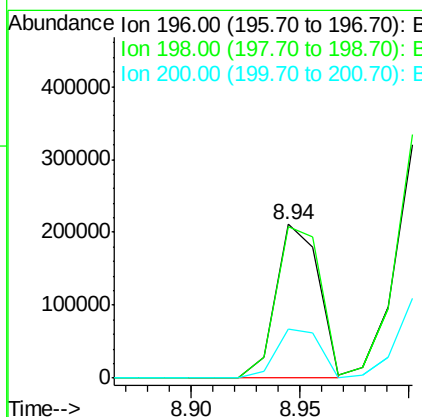
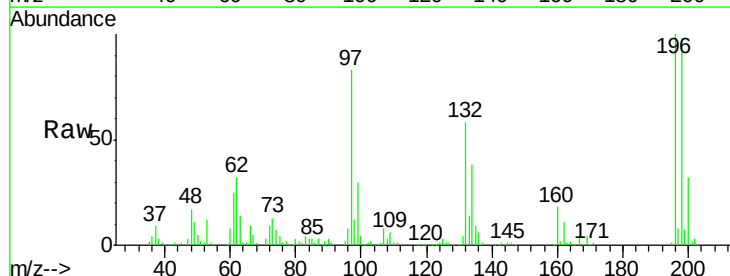
Manual Integrations  
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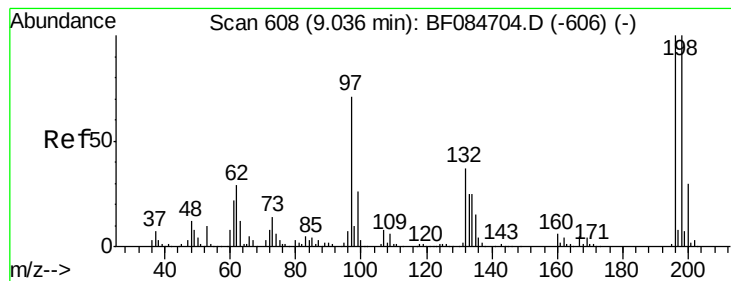
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 2/8/2016 3:04:33 PM



#42  
 2,4,6-Trichlorophenol  
 Concen: 46.79 ng  
 RT: 8.94 min Scan# 600  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 290978 |       |       |
| 198     | 98.2  | 77.7   | 116.5 |       |
| 200     | 31.6  | 24.6   | 37.0  |       |





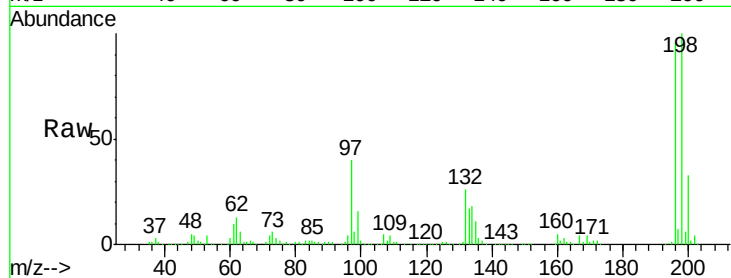
#43  
 2,4,5-Trichlorophenol  
 Concen: 49.13 ng  
 RT: 9.00 min Scan# 605  
 Delta R.T. -0.01 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

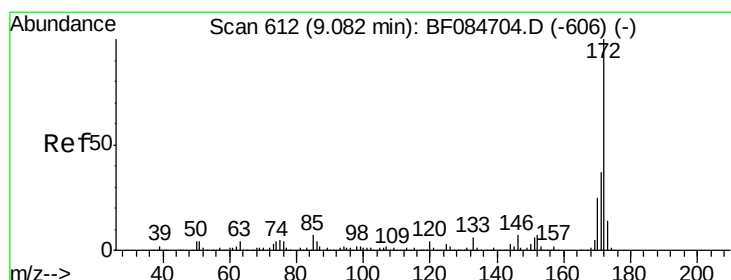
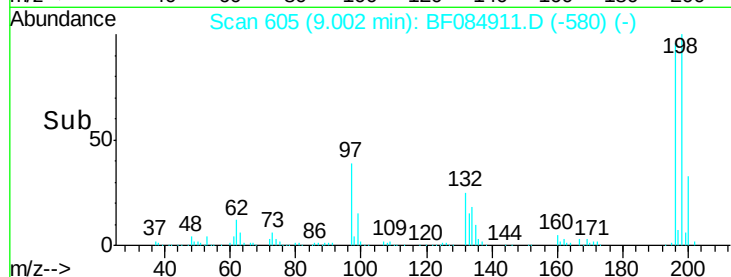
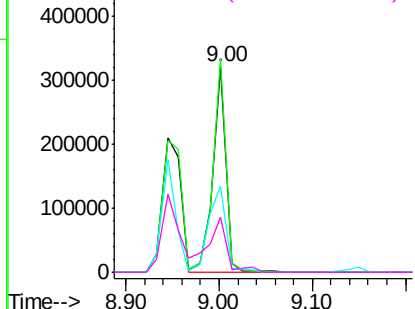
| Tot Ion   | 196   | Resp  | 310487 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 104.0 | 79.0  | 118.6  |
| 97        | 42.1  | 33.0  | 49.6   |
| 132       | 27.0  | 21.1  | 31.7   |

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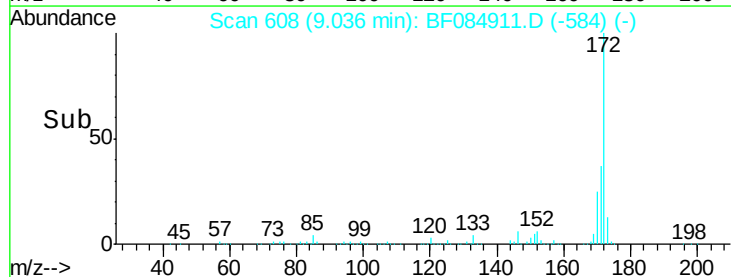
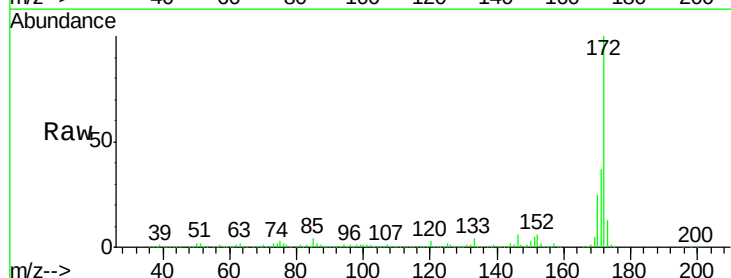
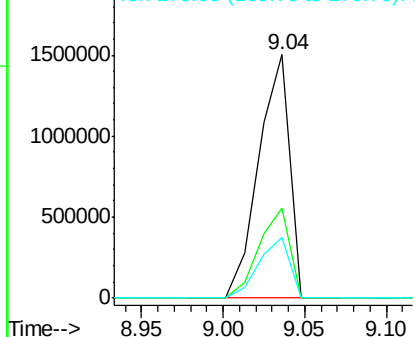
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

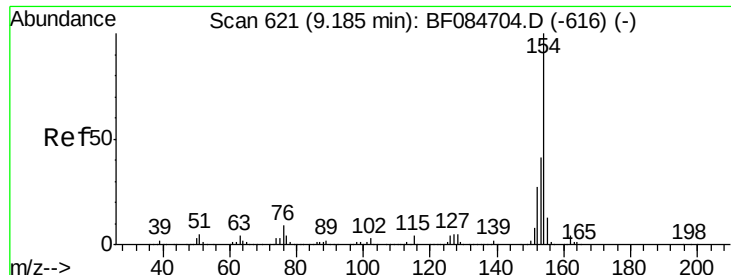


#44  
 2-Fluorobiphenyl  
 Concen: 138.61 ng  
 RT: 9.04 min Scan# 608  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

| Tgt Ion   | 172   | Resp  | 1978259 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.8  | 28.9  | 43.3    |
| 170       | 24.7  | 18.6  | 27.8    |

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





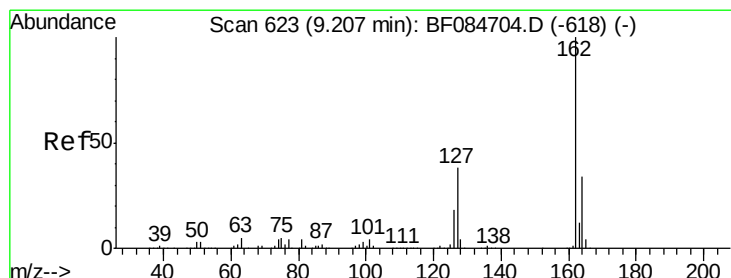
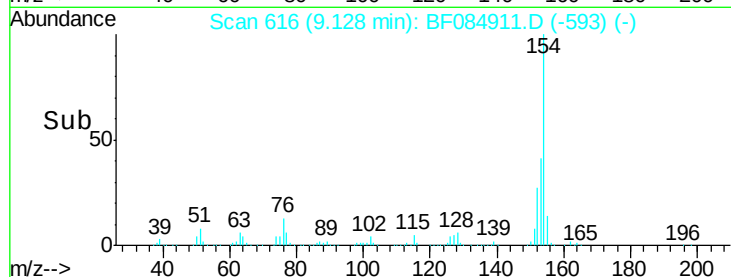
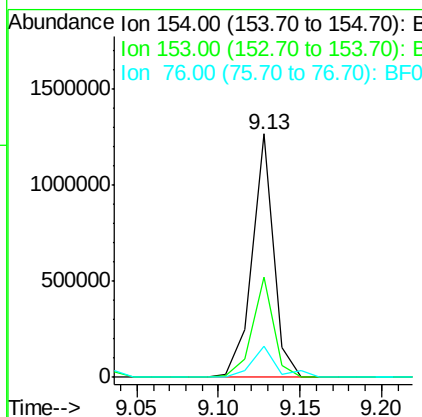
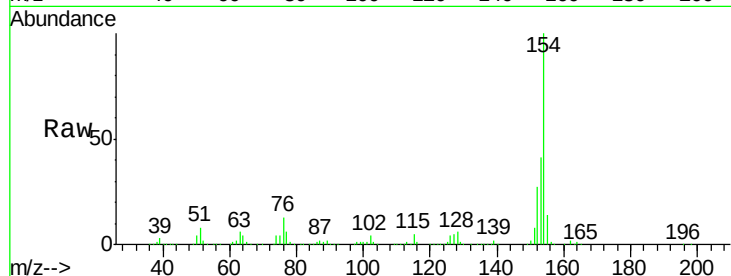
#45  
 1,1'-Biphenyl  
 Concen: 42.75 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.2  | 21.6  | 61.6  |
| 76      | 12.6  | 0.0   | 32.7  |

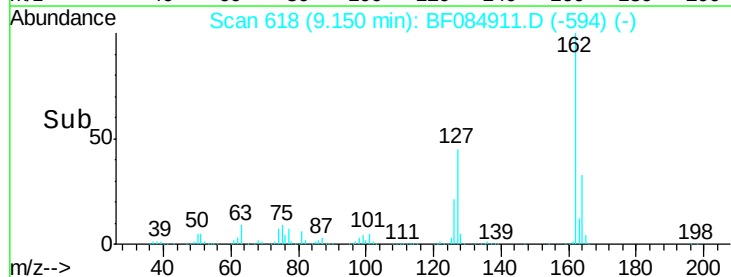
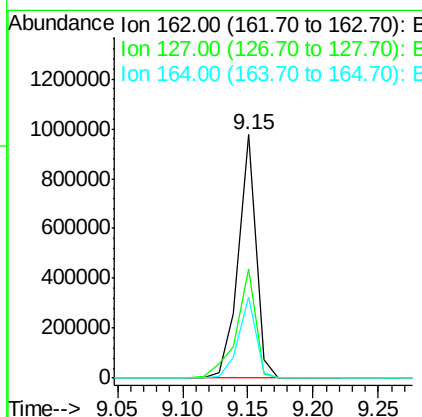
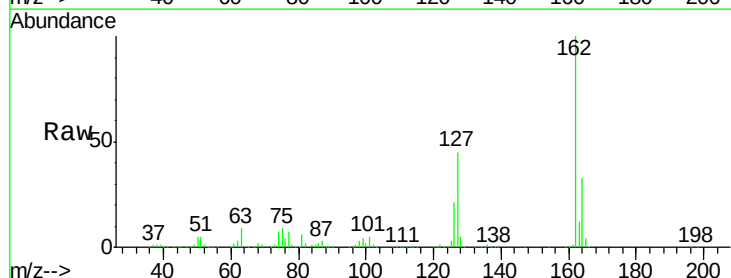
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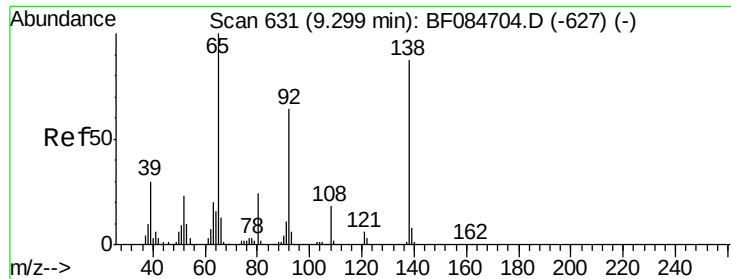
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#46  
 2-Chloronaphthalene  
 Concen: 45.62 ng  
 RT: 9.15 min Scan# 618  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 44.6  | 40.2  | 60.4  |
| 164     | 33.2  | 25.7  | 38.5  |





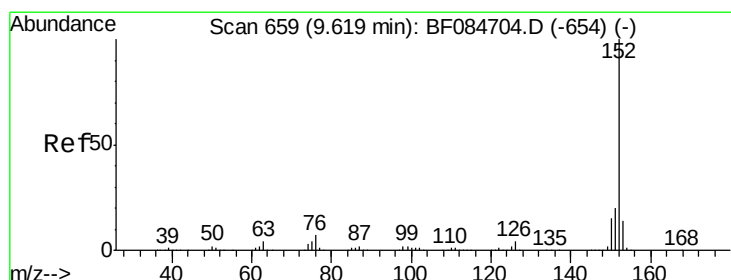
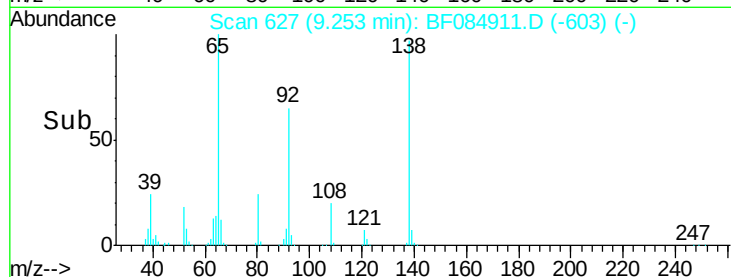
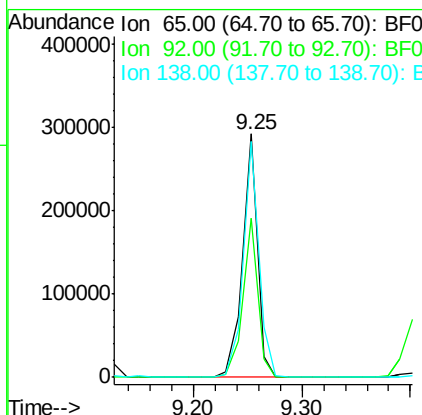
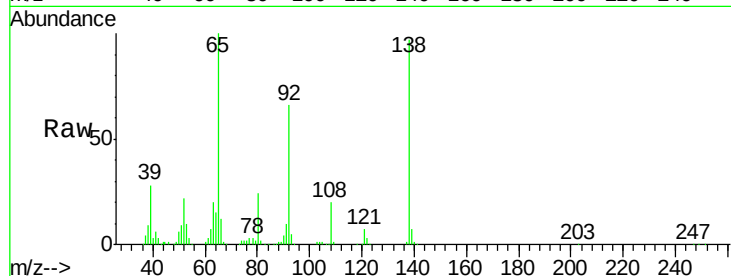
#47  
2-Nitroaniline  
Concen: 43.34 ng  
RT: 9.25 min Scan# 627  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 274369 |       |       |
| 92      | 65.5  | 53.4   | 80.2  |       |
| 138     | 96.9  | 71.1   | 106.7 |       |

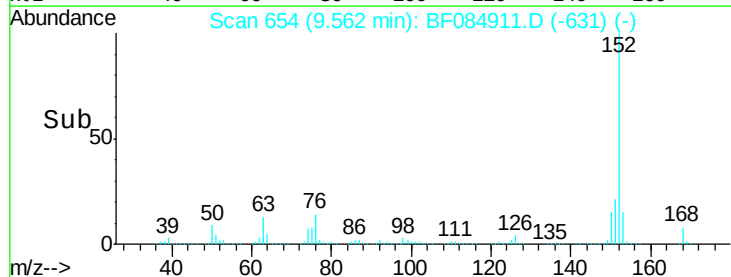
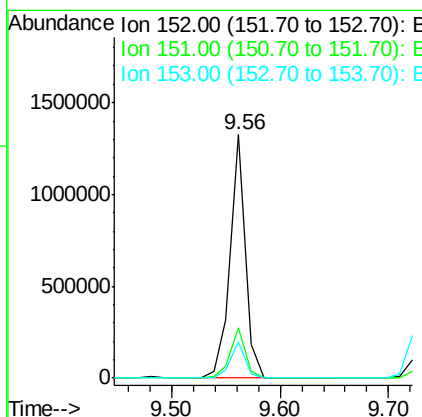
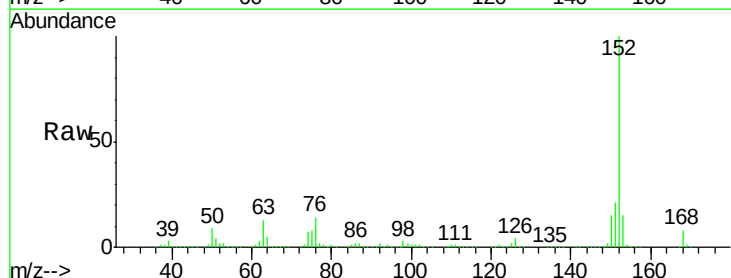
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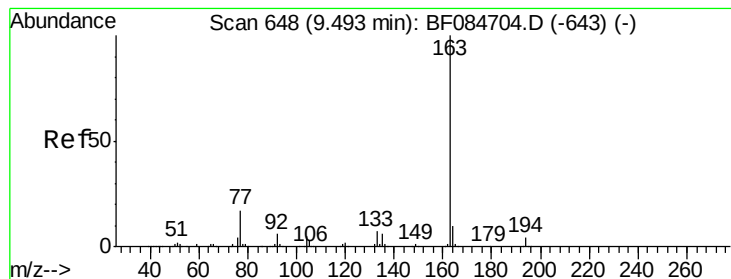
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2/8/2016 3:04:33 PM



#48  
Acenaphthylene  
Concen: 42.30 ng  
RT: 9.56 min Scan# 654  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 152     | 100   | 1283452 |       |       |
| 151     | 20.8  | 16.3    | 24.5  |       |
| 153     | 14.6  | 10.4    | 15.6  |       |





#49

Dimethylphthalate

Concen: 49.31 ng

RT: 9.45 min Scan# 644

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

Tot Ion:163 Resp: 1141464

Ion Ratio Lower Upper

163 100

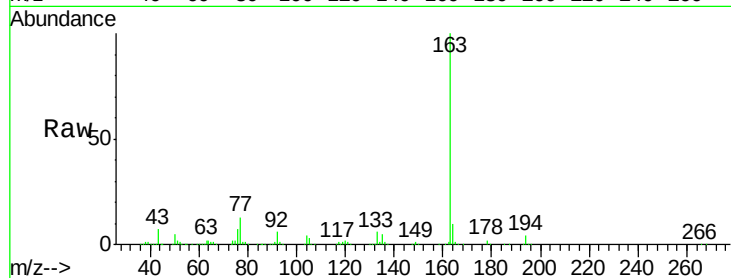
194 3.7 8.0 12.0#

164 9.5 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

9.45

800000

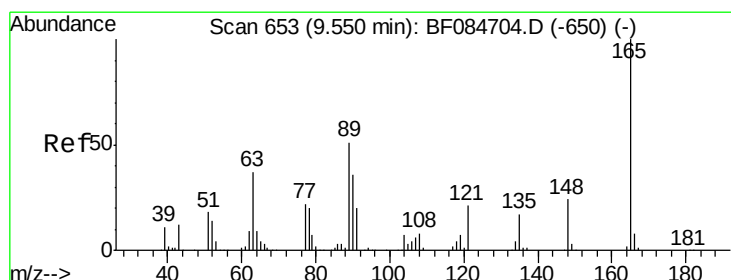
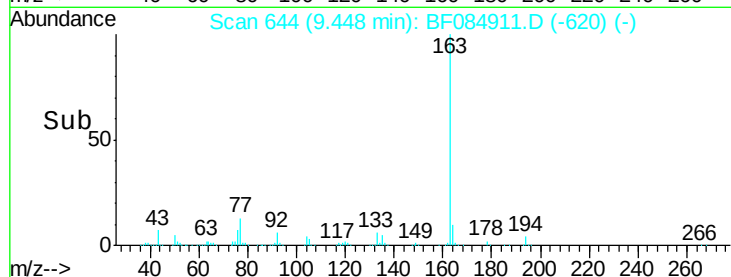
600000

400000

200000

0

Time-->



#50

2,6-Dinitrotoluene

Concen: 51.87 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

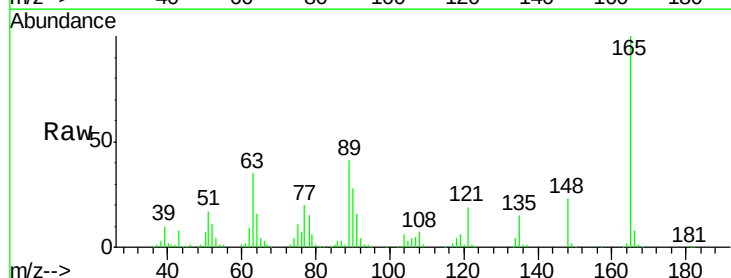
Tgt Ion:165 Resp: 262316

Ion Ratio Lower Upper

165 100

63 34.9 28.8 43.2

89 40.7 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

9.50

300000

250000

200000

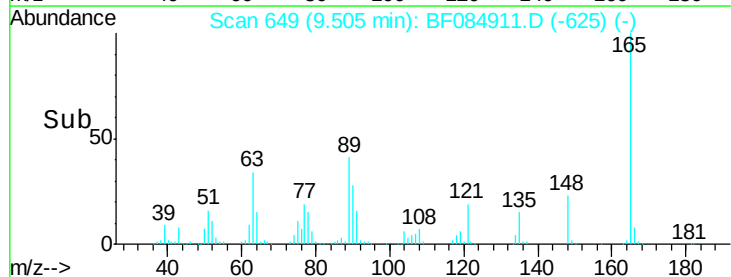
150000

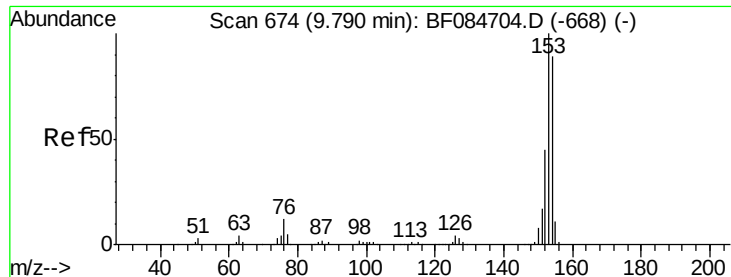
100000

50000

0

Time-->





#51

Acenaphthene

Concen: 43.51 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

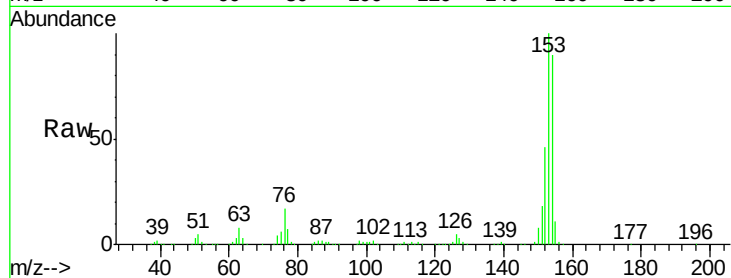
ClientSampleId :

S4-B016(17-19)MS

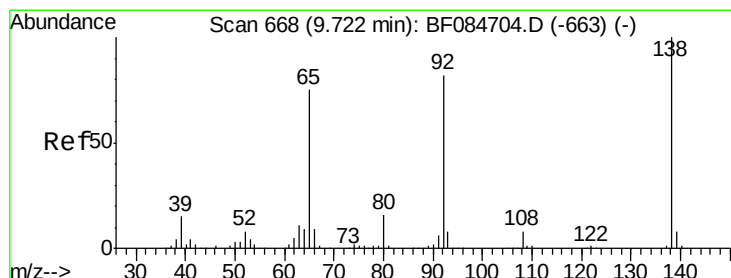
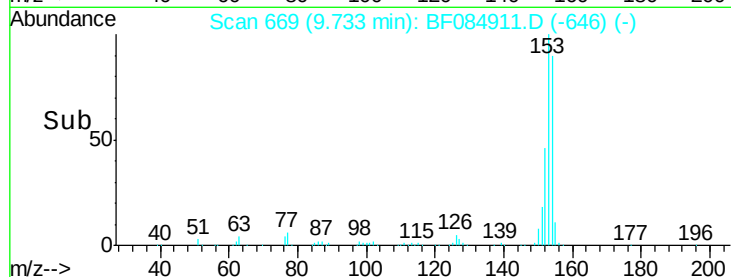
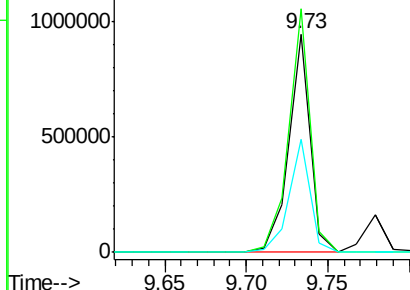
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 858810 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.6 | 91.5  | 137.3  |
| 152       | 51.6  | 43.0  | 64.6   |

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



#52

3-Nitroaniline

Concen: 9.98 ng

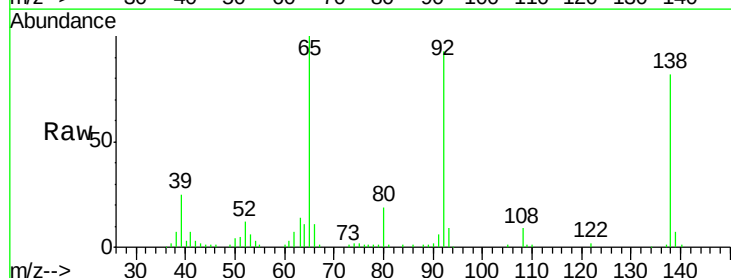
RT: 9.66 min Scan# 663

Delta R.T. -0.03 min

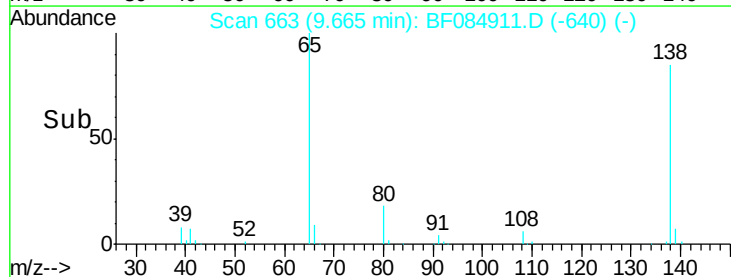
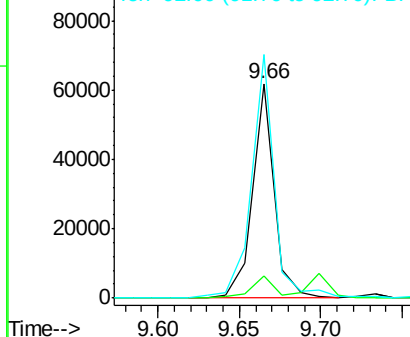
Lab File: BF084911.D

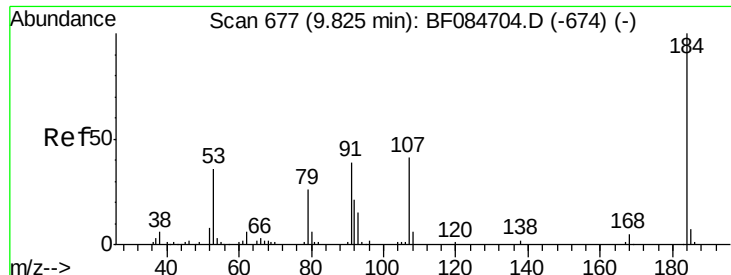
Acq: 6 Feb 2016 14:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 56733 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 10.4  | 10.5  | 15.7# |
| 92        | 113.5 | 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





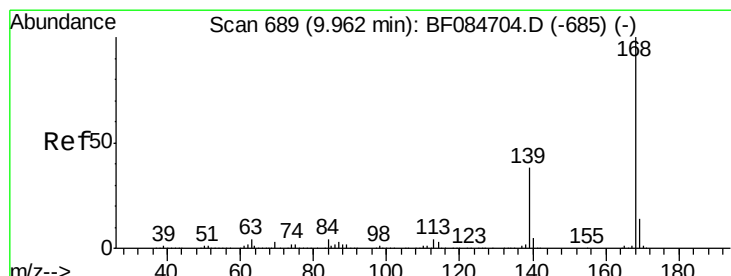
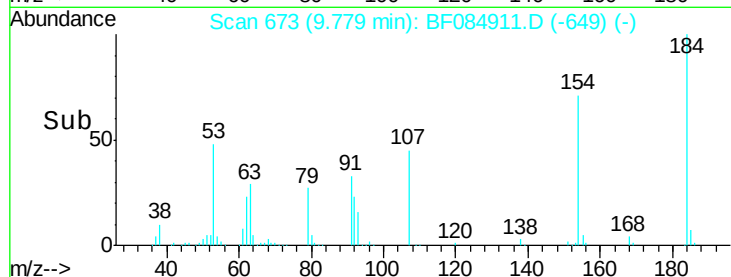
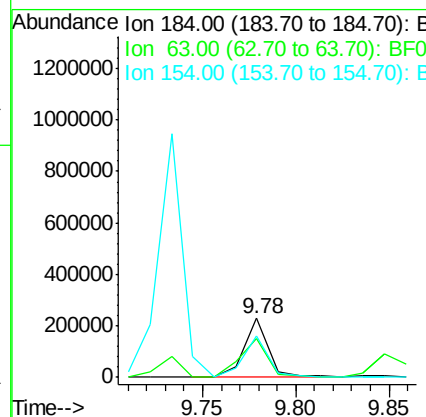
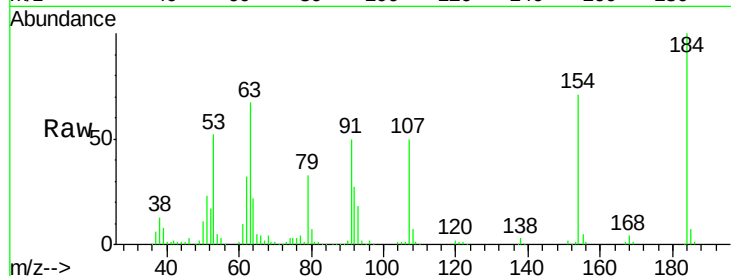
#53  
 2,4-Dinitrophenol  
 Concen: 90.15 ng  
 RT: 9.78 min Scan# 673  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 212291 |       |       |
| 63      | 66.6  | 43.1   | 64.7# |       |
| 154     | 70.6  | 60.5   | 90.7  |       |

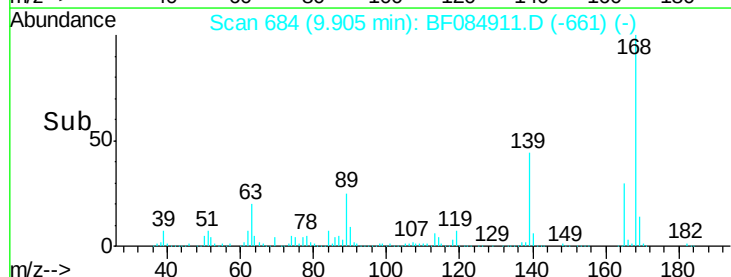
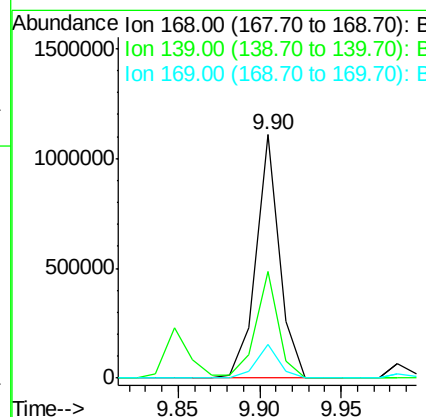
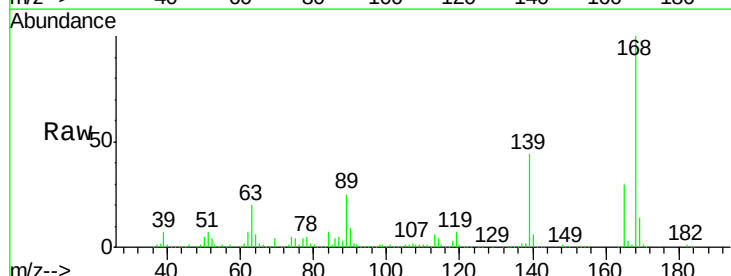
Manual Integrations  
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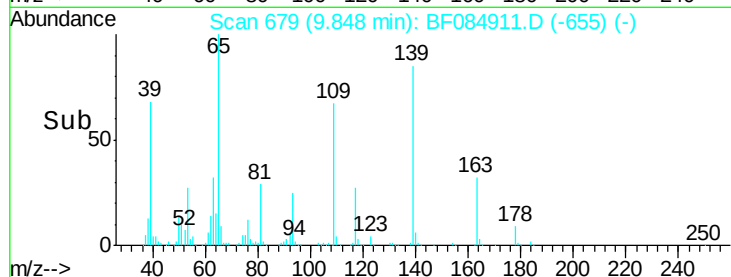
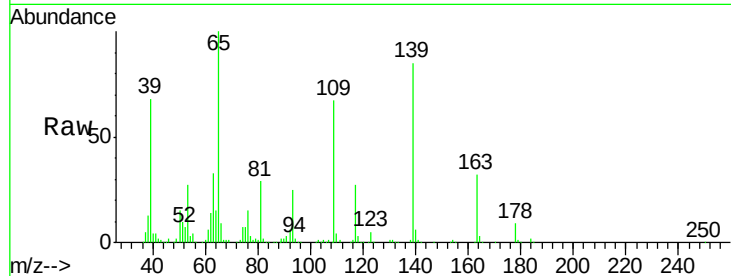
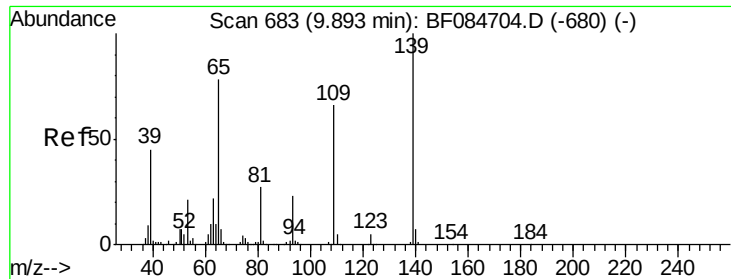
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#54  
 Dibenzofuran  
 Concen: 45.78 ng  
 RT: 9.90 min Scan# 684  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 168     | 100   | 1104545 |       |       |
| 139     | 43.9  | 30.5    | 45.7  |       |
| 169     | 14.1  | 10.4    | 15.6  |       |





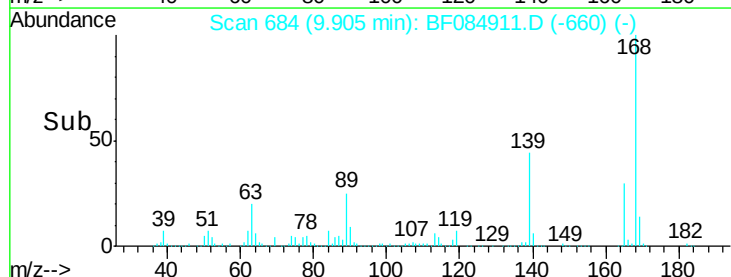
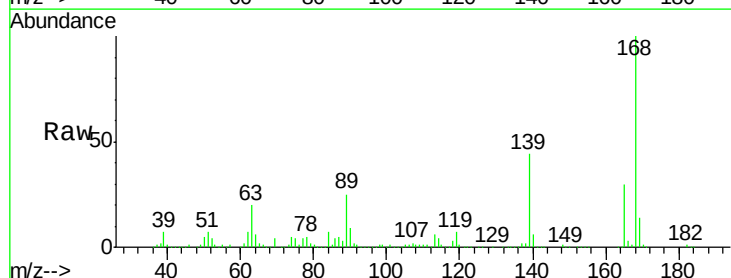
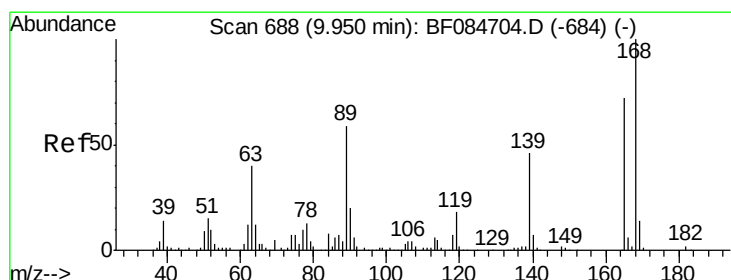
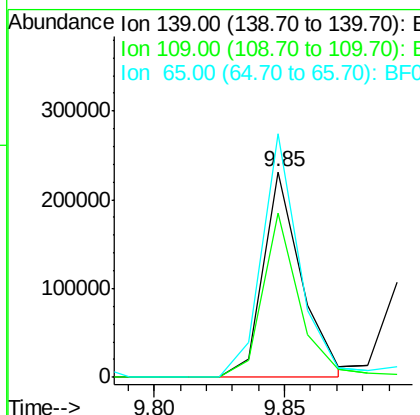
#55  
4-Nitrophenol  
Concen: 56.63 ng  
RT: 9.85 min Scan# 679  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 236537 |       |       |
| 109     | 79.5  | 58.5   | 98.5  |       |
| 65      | 118.3 | 57.6   | 97.6  |       |

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

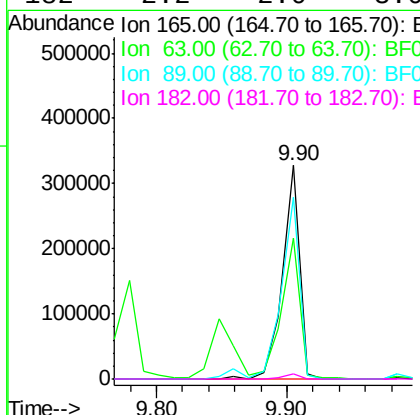
Manual Integrations  
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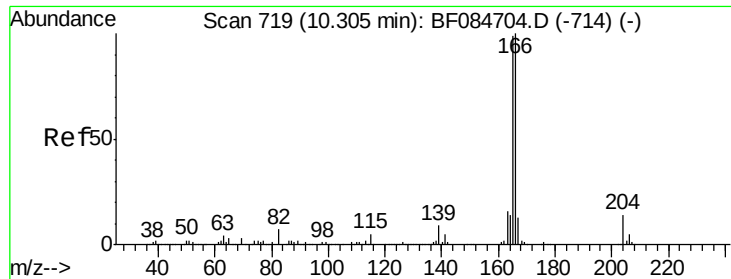


#56  
2,4-Dinitrotoluene  
Concen: 47.37 ng  
RT: 9.90 min Scan# 684  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 305558 |       |       |
| 63      | 66.2  | 36.7   | 55.1  |       |
| 89      | 85.2  | 61.9   | 92.9  |       |
| 182     | 2.2   | 2.0    | 3.0   |       |







#57

Fluorene

Concen: 45.20 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF084911.D

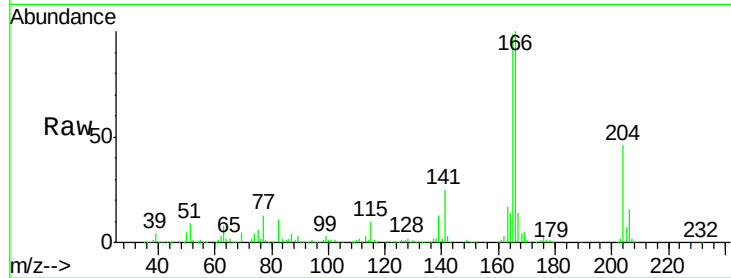
Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

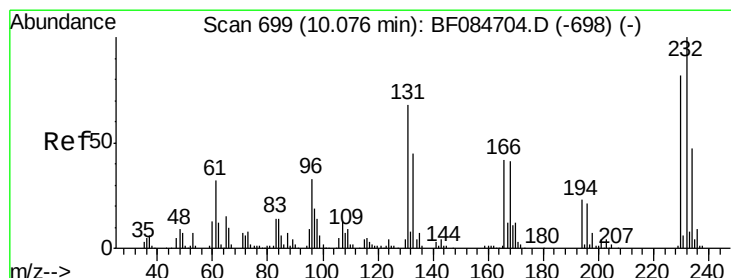
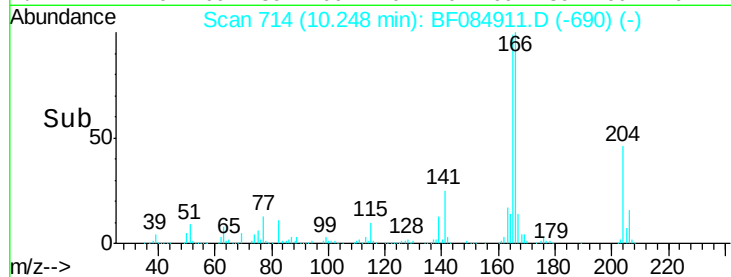
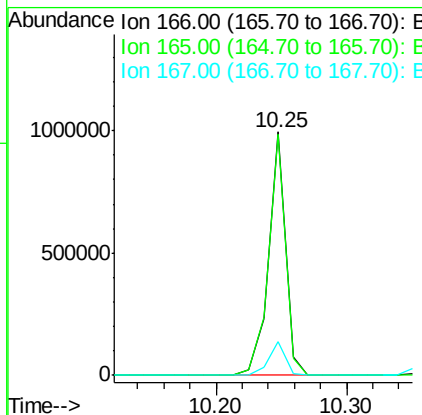
S4-B016(17-19)MS



| Tot Ion   | 166   | Resp  | 910678 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 98.8  | 79.1  | 118.7  |
| 167       | 14.1  | 10.4  | 15.6   |

Manual Integrations  
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#58

2,3,4,6-Tetrachlorophenol

Concen: 51.61 ng

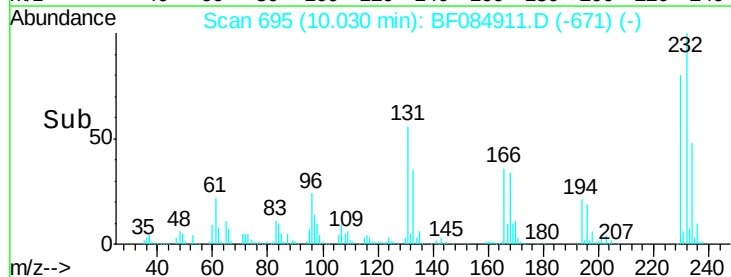
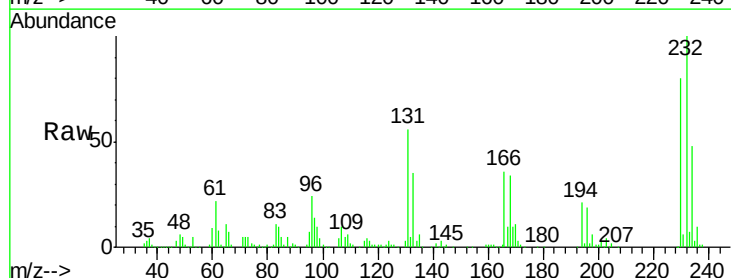
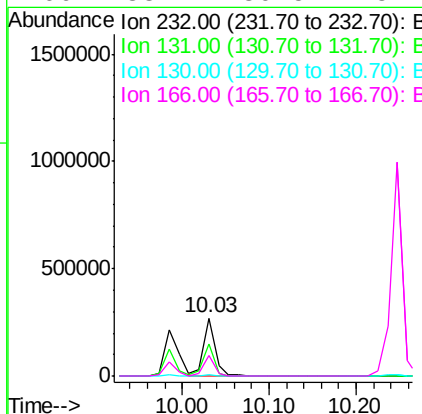
RT: 10.03 min Scan# 695

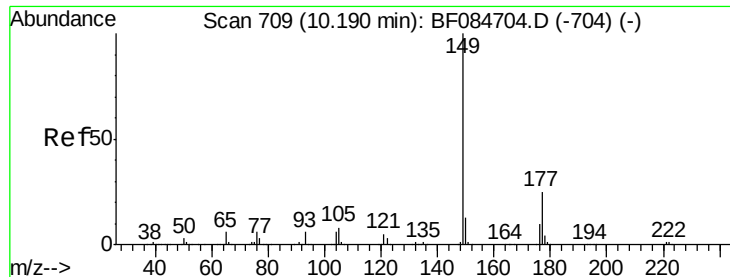
Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

| Tgt Ion   | 232   | Resp  | 248280 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 54.2  | 47.0  | 70.6   |
| 130       | 2.8   | 2.0   | 3.0    |
| 166       | 33.4  | 30.5  | 45.7   |





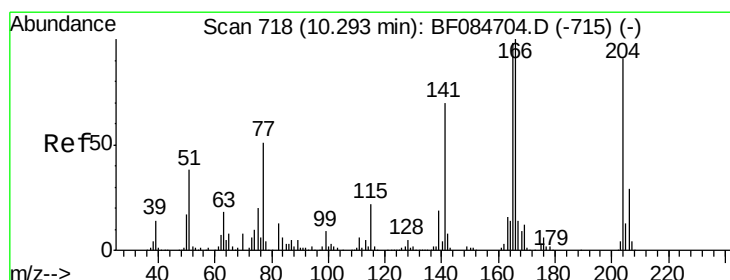
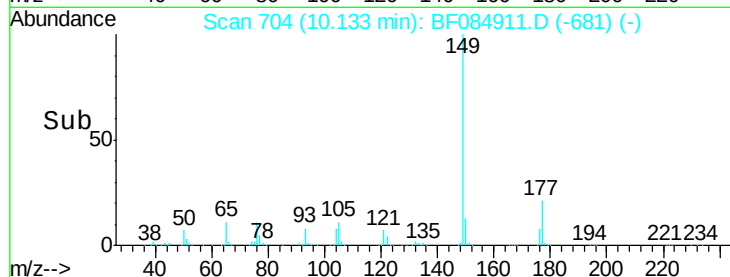
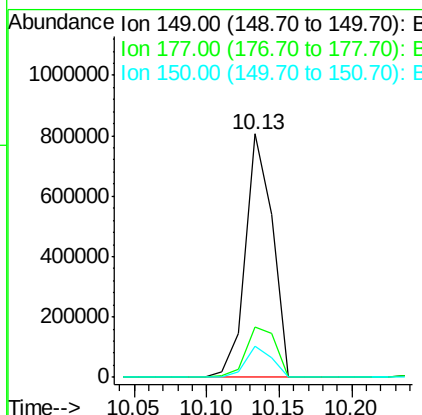
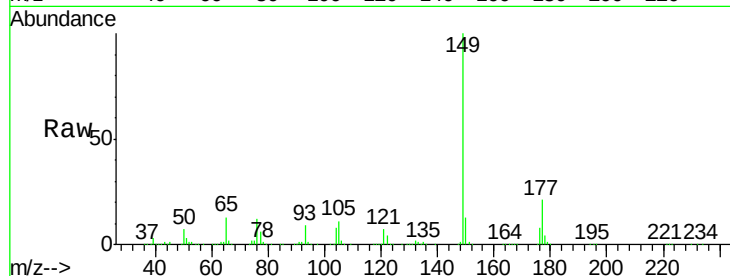
#59  
Diethylphthalate  
Concen: 45.76 ng  
RT: 10.13 min Scan# 704  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

Tot Ion:149 Resp: 1034403  
Ion Ratio Lower Upper  
149 100  
177 20.9 17.3 25.9  
150 13.0 9.8 14.8

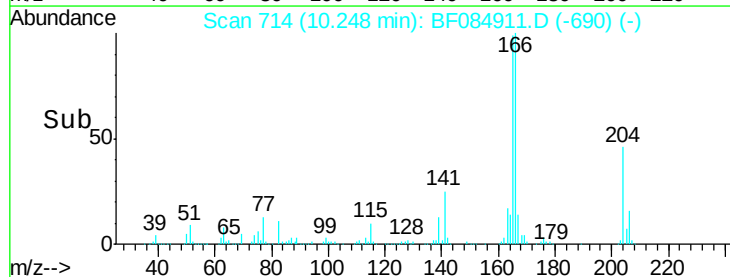
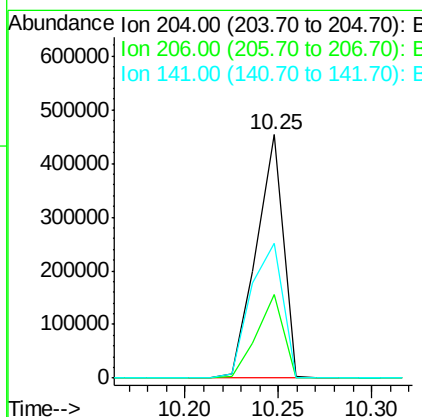
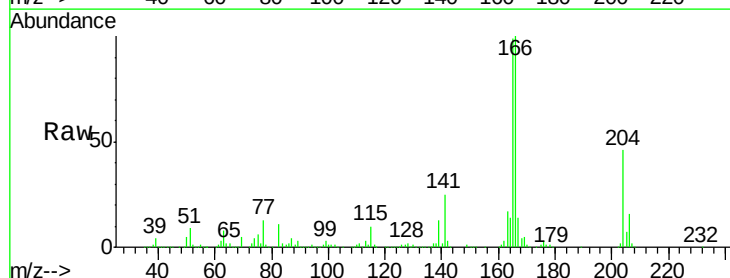
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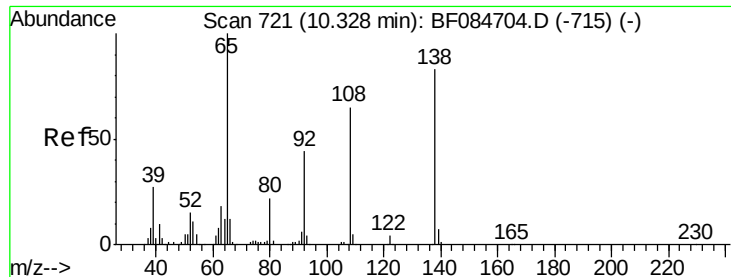
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#60  
4-Chlorophenyl-phenylether  
Concen: 55.59 ng  
RT: 10.25 min Scan# 714  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Tgt Ion:204 Resp: 456008  
Ion Ratio Lower Upper  
204 100  
206 34.2 25.7 38.5  
141 55.1 55.1 82.7





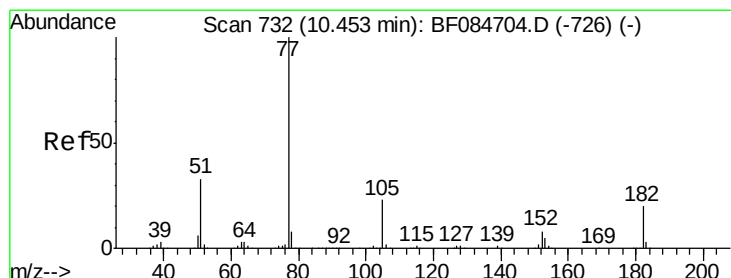
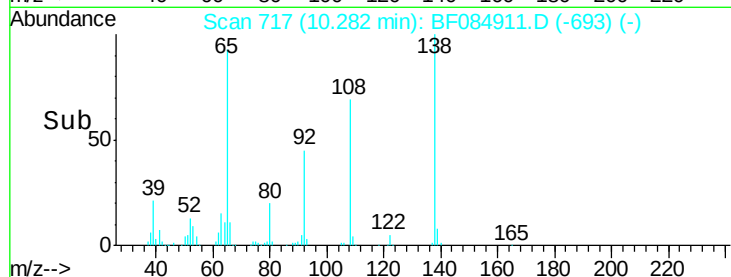
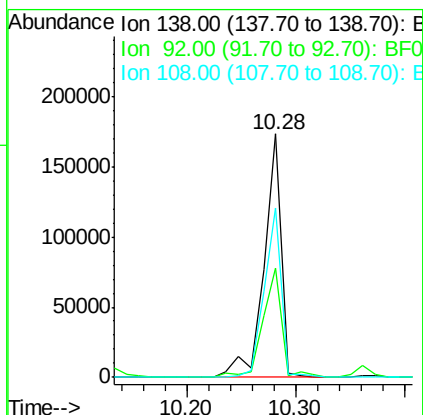
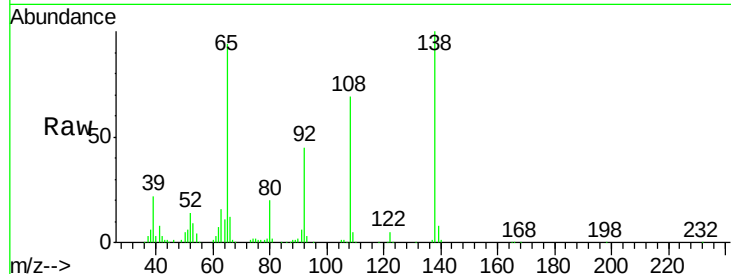
#61  
4-Nitroaniline  
Concen: 35.00 ng  
RT: 10.28 min Scan# 717  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 193818 |       |       |
| 92      | 44.8  | 32.6   | 72.6  |       |
| 108     | 69.4  | 68.6   | 108.6 |       |

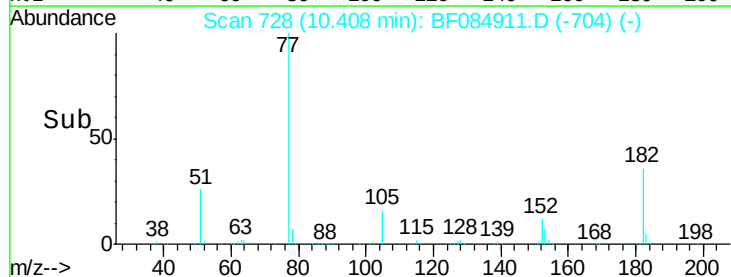
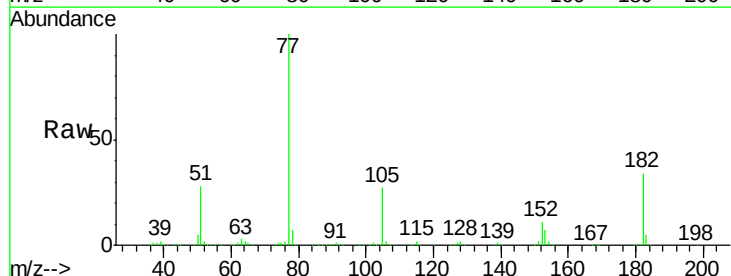
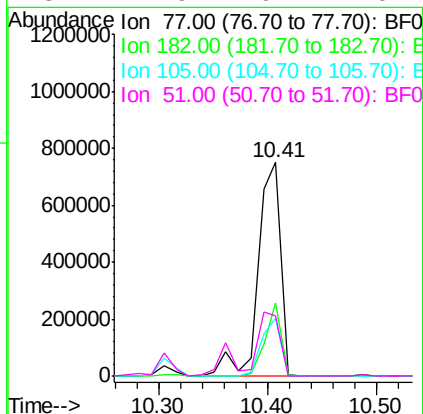
Manual Integrations  
APPROVED

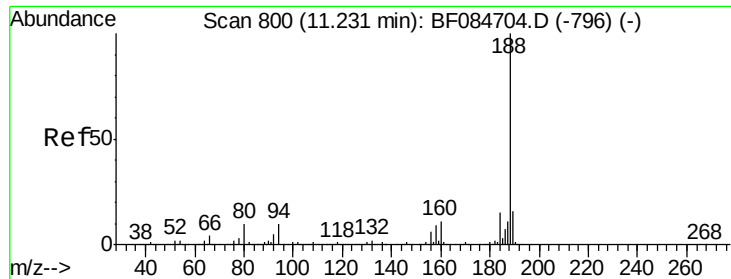
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2/8/2016 3:04:33 PM



#62  
Azobenzene  
Concen: 50.25 ng  
RT: 10.41 min Scan# 728  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 77      | 100   | 1092364 |       |       |
| 182     | 34.2  | 8.3     | 48.3  |       |
| 105     | 27.0  | 4.6     | 44.6  |       |
| 51      | 27.9  | 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: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

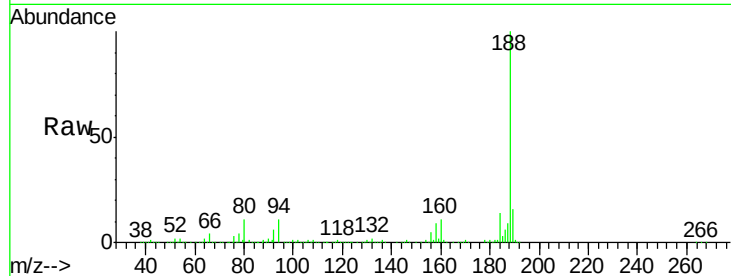
ClientSampleId :

S4-B016(17-19)MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 188     | 100  |       | 498284 |       |       |
| 94      | 10.6 | 9.0   | 13.4   |       |       |
| 80      | 11.0 | 9.6   | 14.4   |       |       |

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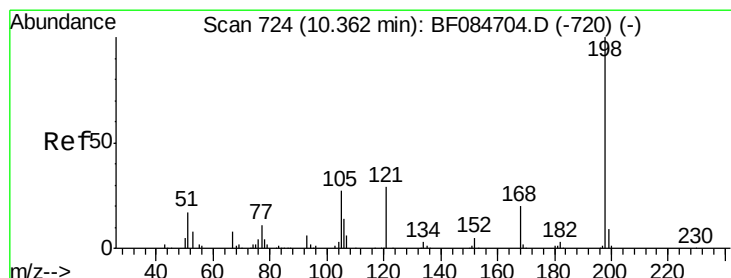
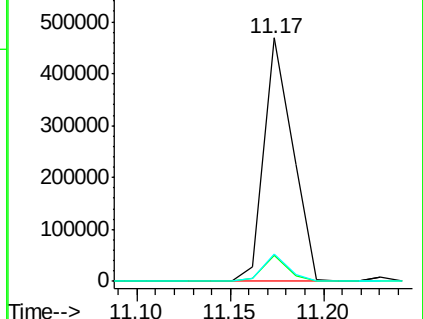
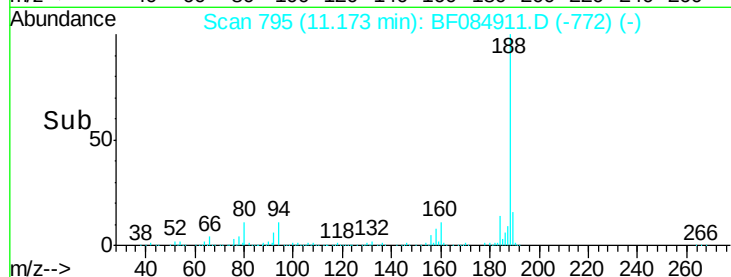
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 47.37 ng

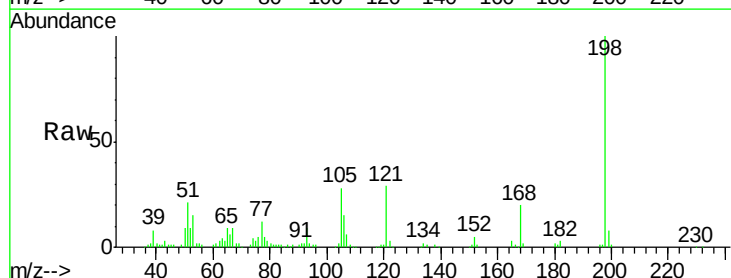
RT: 10.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

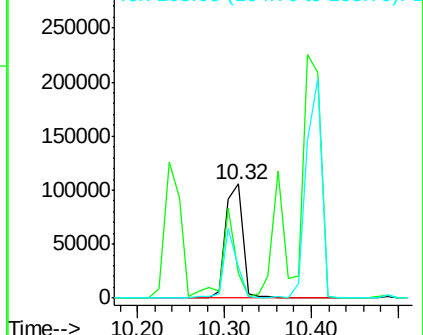
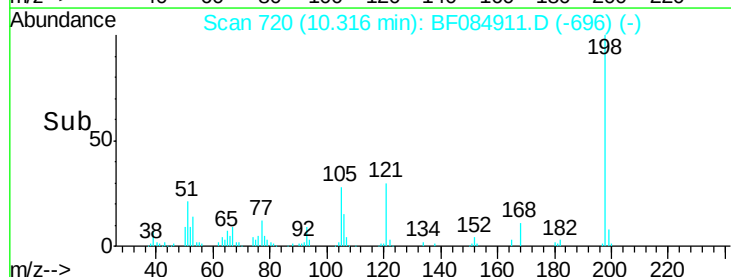
| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 198     | 100  |       | 145682 |       |       |
| 51      | 21.2 | 18.9  | 58.9   |       |       |
| 105     | 27.6 | 26.4  | 66.4   |       |       |

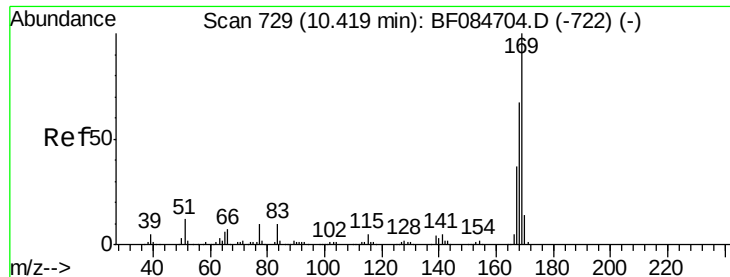


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 42.16 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

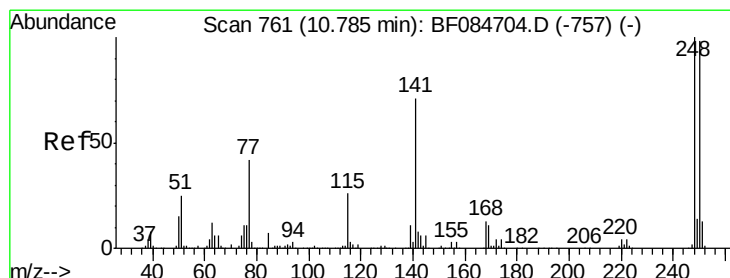
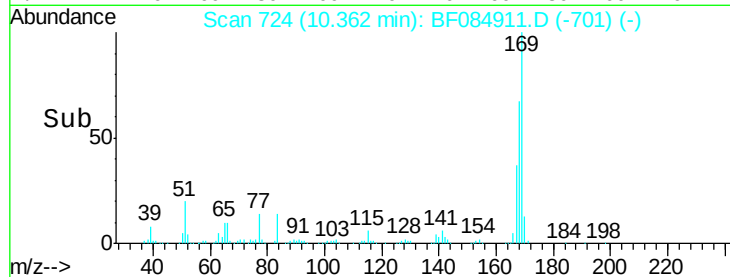
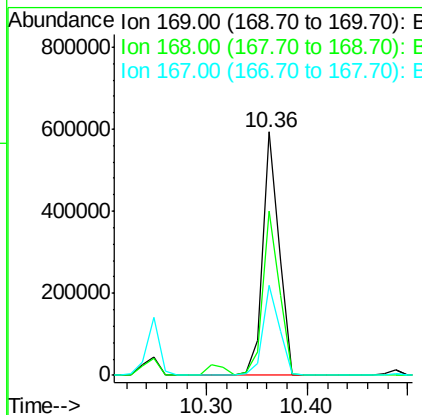
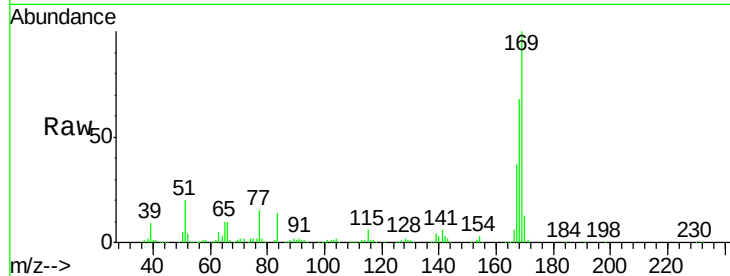
ClientSampleId :

S4-B016(17-19)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 169   | Resp: | 667063 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 67.6  | 55.1  | 82.7   |
| 167       | 37.1  | 30.0  | 45.0   |

Manual Integrations  
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#66

4-Bromophenyl-phenylether

Concen: 49.23 ng

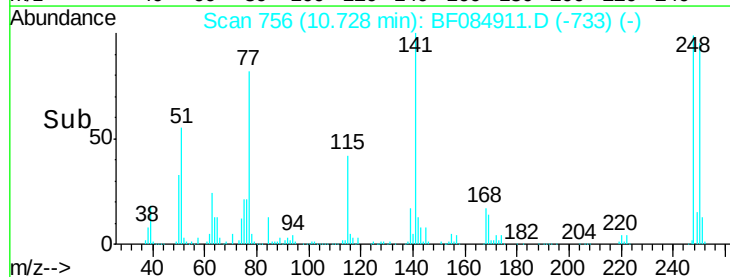
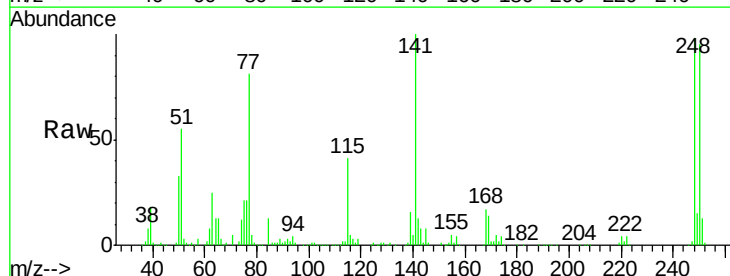
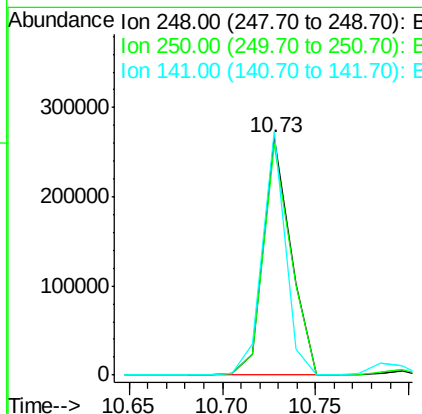
RT: 10.73 min Scan# 756

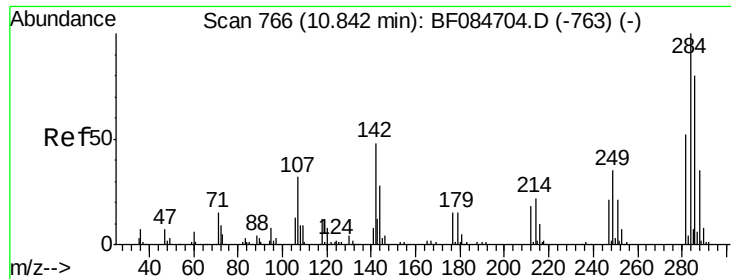
Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 270937 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 96.9  | 78.4  | 117.6  |
| 141       | 102.3 | 44.0  | 66.0#  |





#67

Hexachlorobenzene

Concen: 53.93 ng

RT: 10.80 min Scan# 762

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

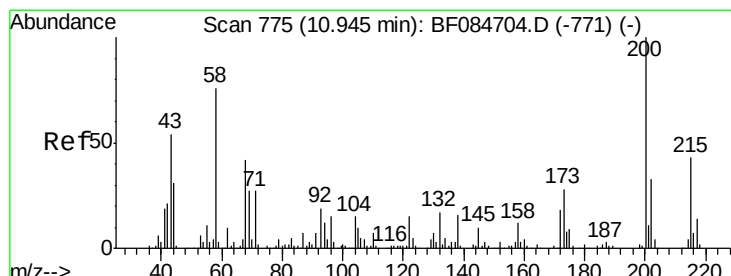
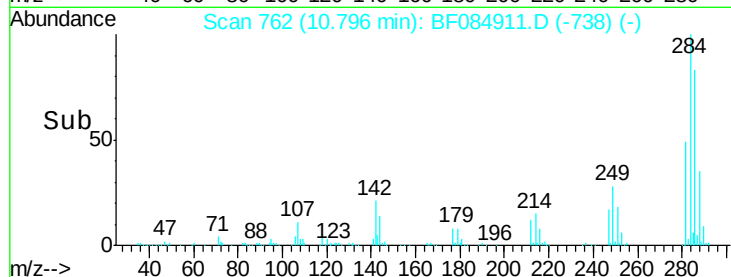
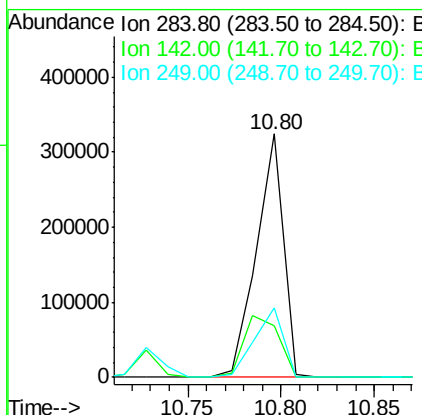
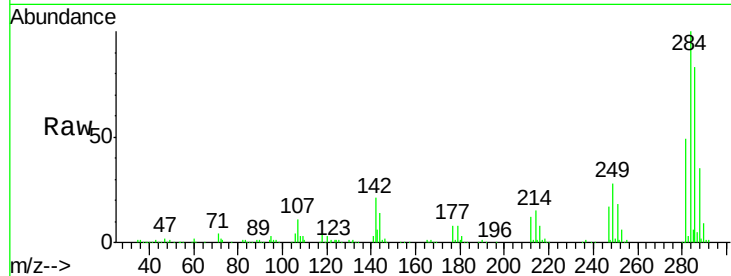
ClientSampleId :

S4-B016(17-19)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 323380 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 21.2  | 22.2  | 33.4#  |
| 249       | 28.3  | 24.6  | 37.0   |

Manual Integrations  
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#68

Atrazine

Concen: 38.21 ng

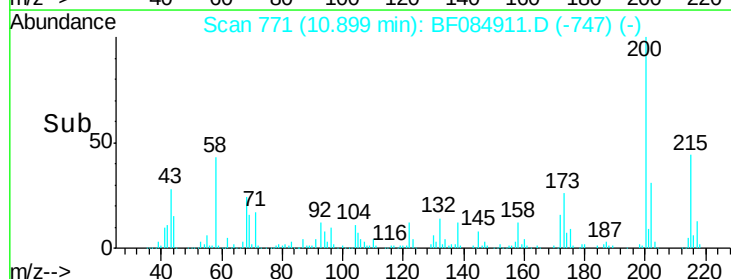
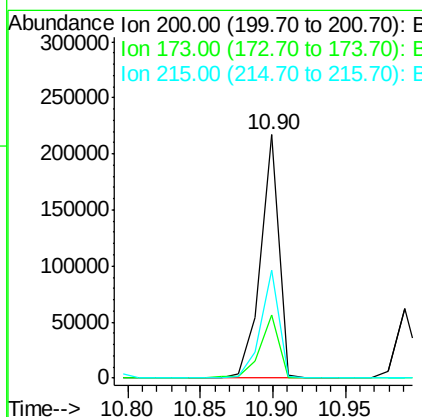
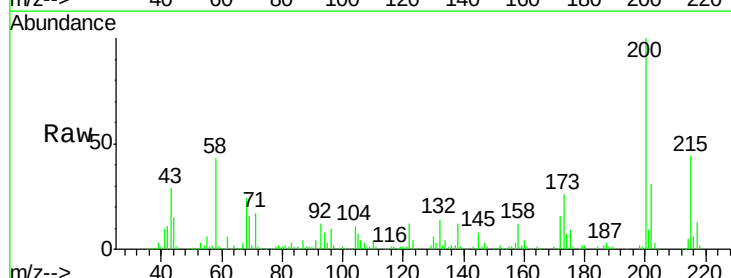
RT: 10.90 min Scan# 771

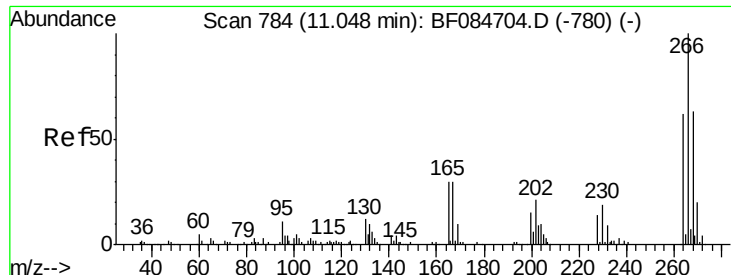
Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 190905 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 25.7  | 9.5   | 49.5   |
| 215       | 44.4  | 23.8  | 63.8   |





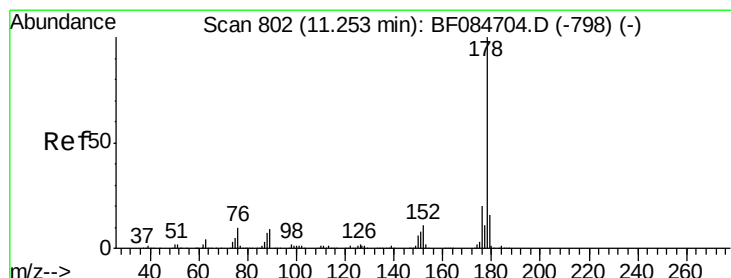
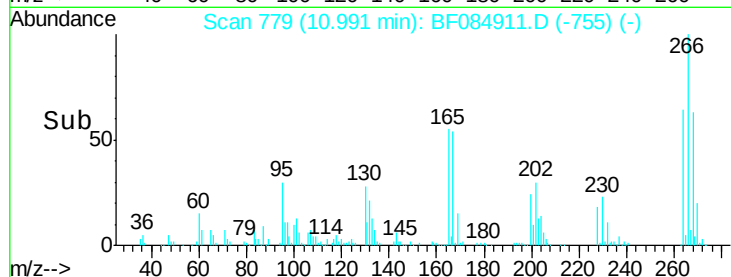
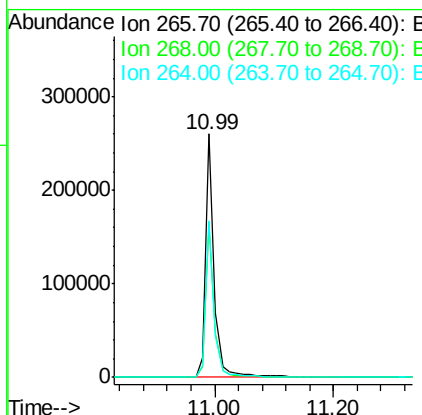
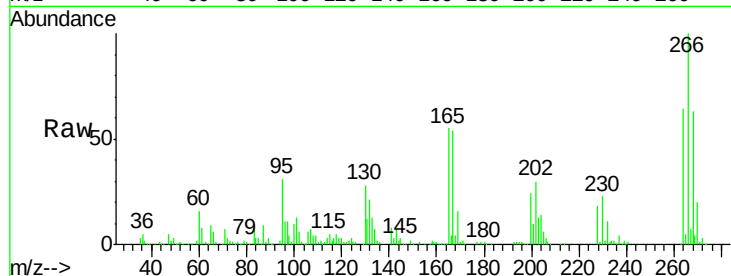
#69  
 Pentachlorophenol  
 Concen: 95.85 ng  
 RT: 10.99 min Scan# 779  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.5  | 52.4  | 78.6  |
| 264     | 64.4  | 50.2  | 75.2  |

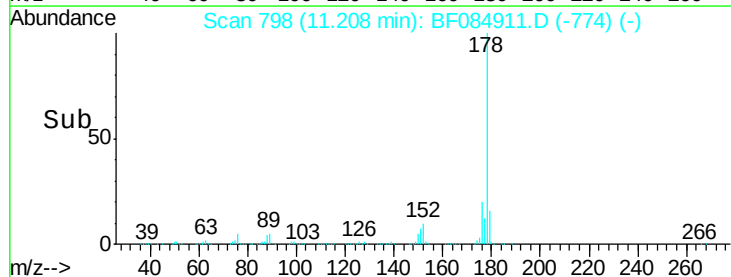
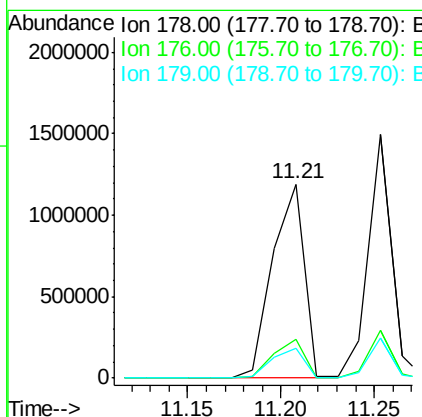
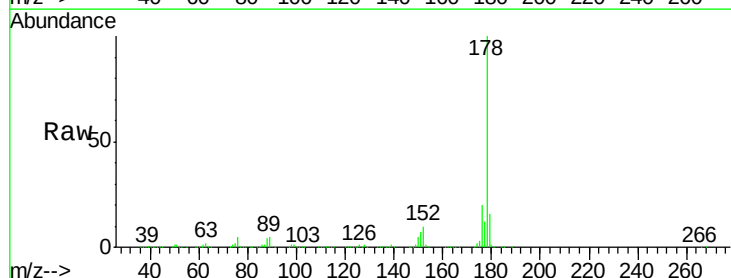
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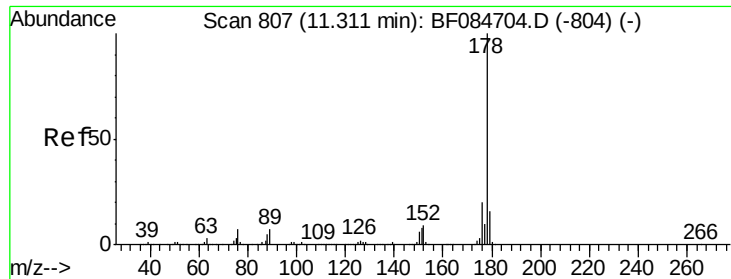
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#70  
 Phenanthrene  
 Concen: 50.96 ng  
 RT: 11.21 min Scan# 798  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.8  | 15.3  | 22.9  |
| 179     | 15.6  | 12.0  | 18.0  |





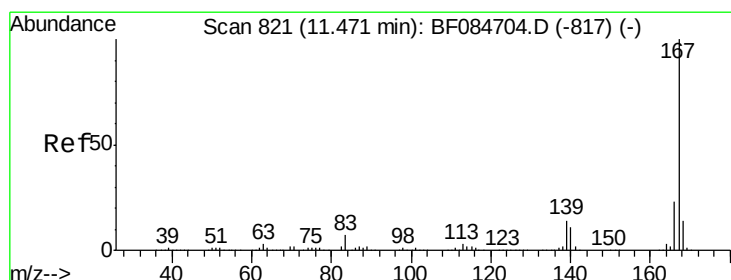
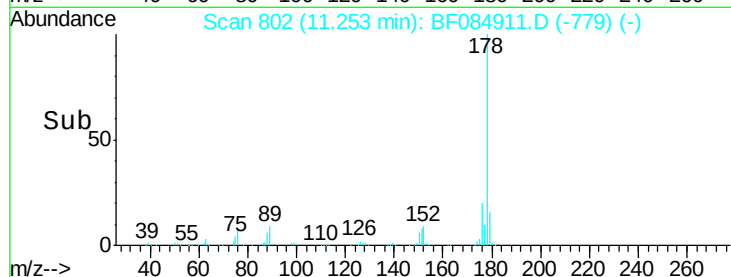
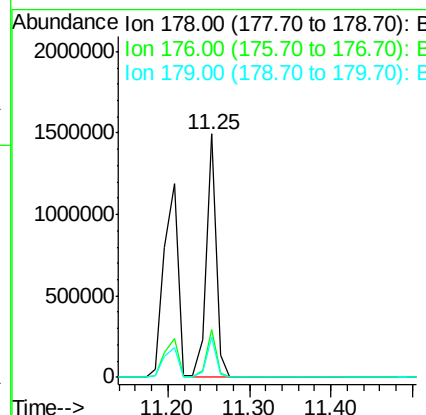
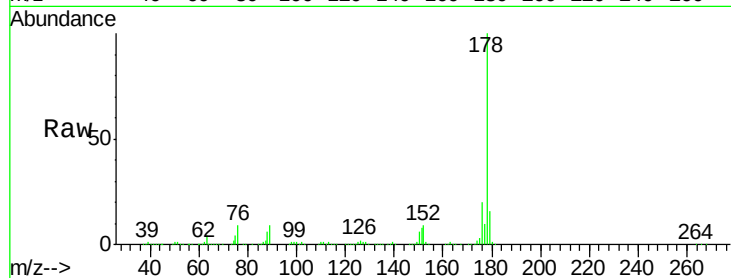
#71  
 Anthracene  
 Concen: 46.24 ng  
 RT: 11.25 min Scan# 802  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 15.4  | 23.0  |
| 179     | 16.2  | 12.5  | 18.7  |

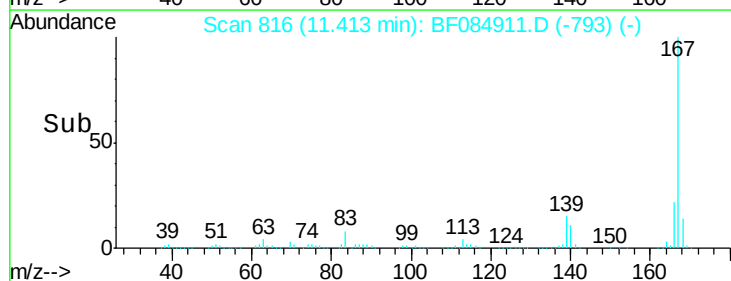
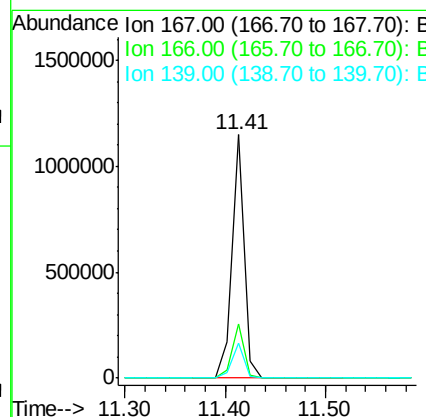
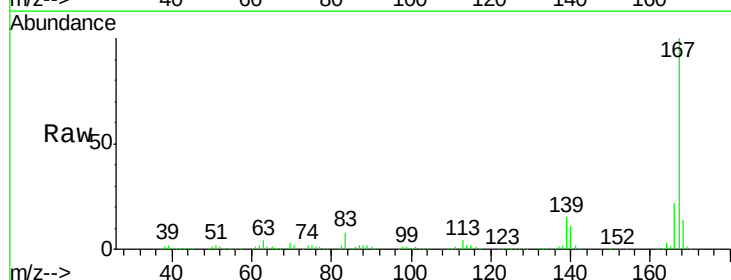
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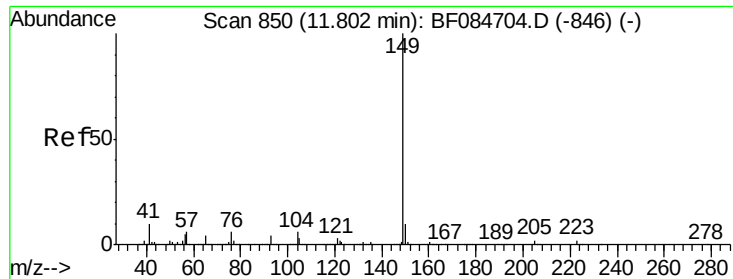


#72  
 Carbazole  
 Concen: 39.97 ng  
 RT: 11.41 min Scan# 816  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.4  | 17.6  | 26.4  |
| 139     | 14.6  | 11.8  | 17.8  |







#73

Di-n-butylphthalate

Concen: 51.25 ng

RT: 11.76 min Scan# 846

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

Tot Ion:149 Resp: 1584276

Ion Ratio Lower Upper

149 100

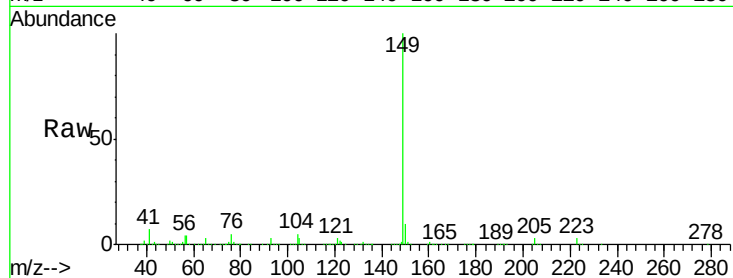
150 9.6 7.1 10.7

104 5.3 3.2 4.8#

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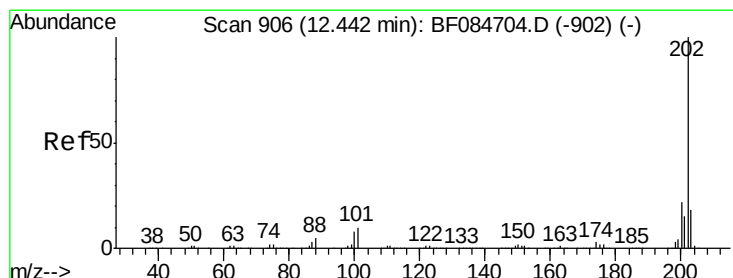
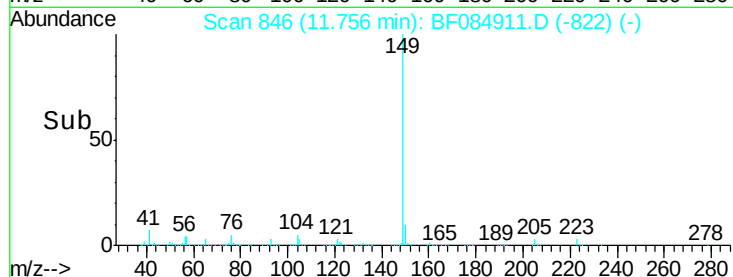
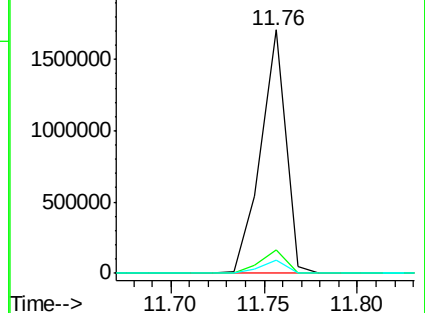
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 42.68 ng

RT: 12.38 min Scan# 901

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

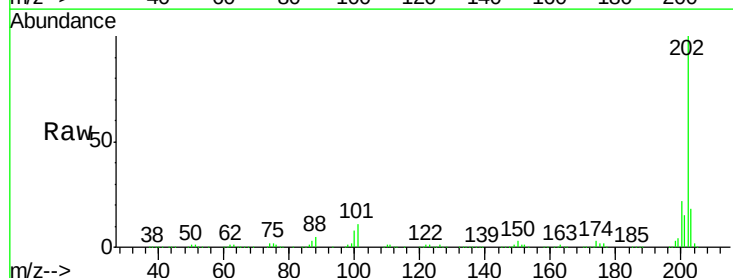
Tgt Ion:202 Resp: 1193709

Ion Ratio Lower Upper

202 100

101 10.7 0.0 32.8

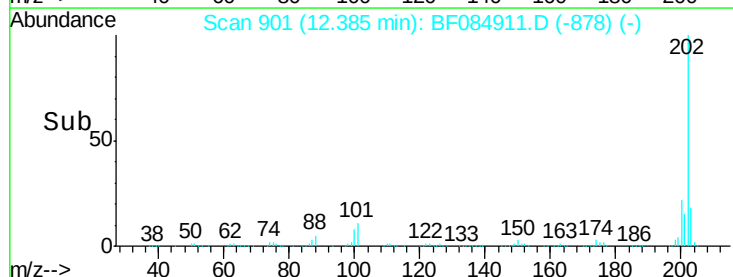
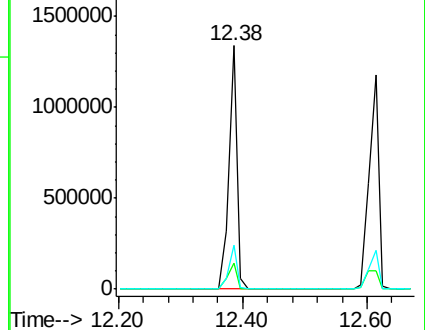
203 18.2 0.0 37.9

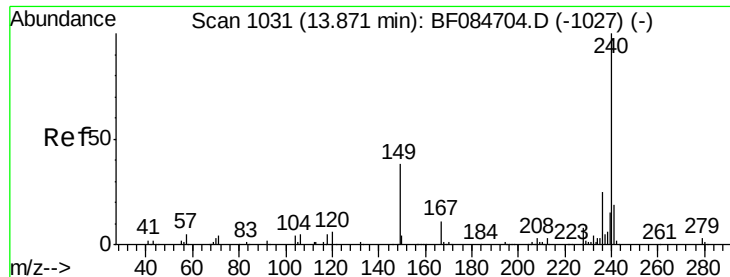


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

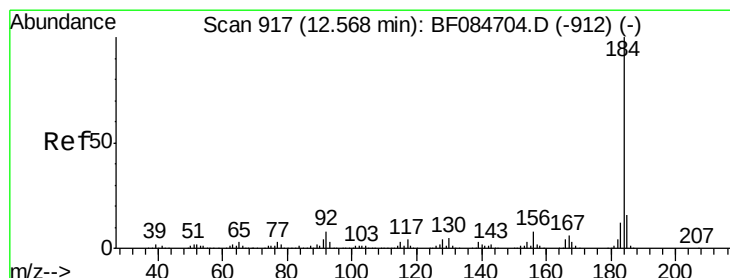
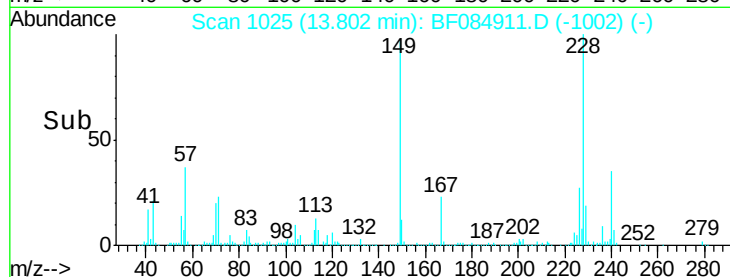
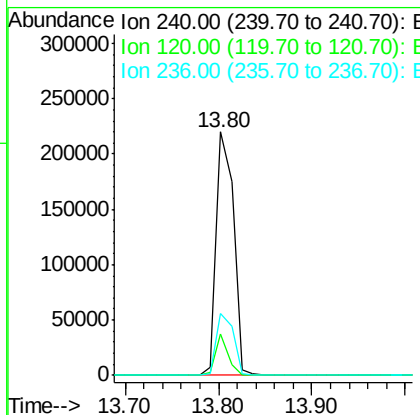
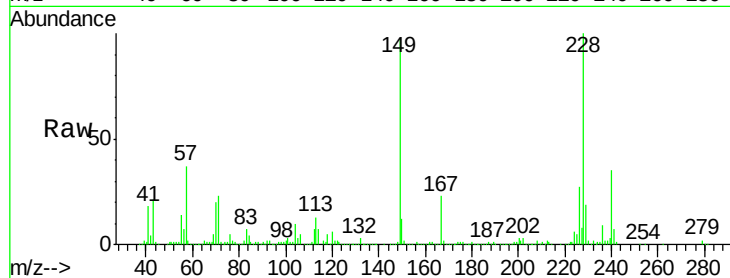
ClientSampleId :

S4-B016(17-19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 17.1  | 9.5   | 14.3# |
| 236     | 25.3  | 20.6  | 31.0  |

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#76

Benzidine

Concen: 9.27 ng

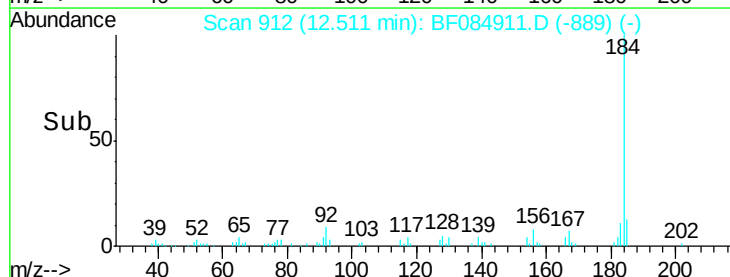
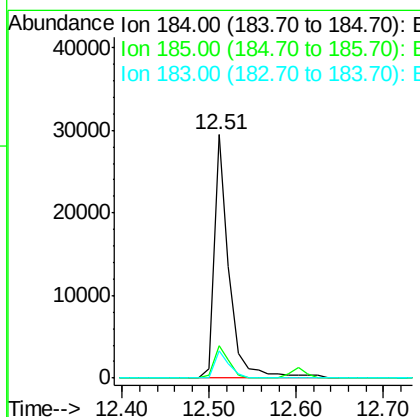
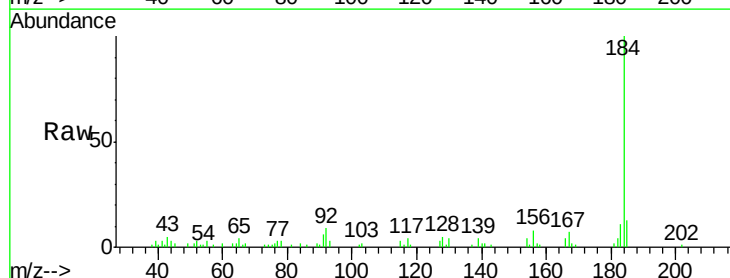
RT: 12.51 min Scan# 912

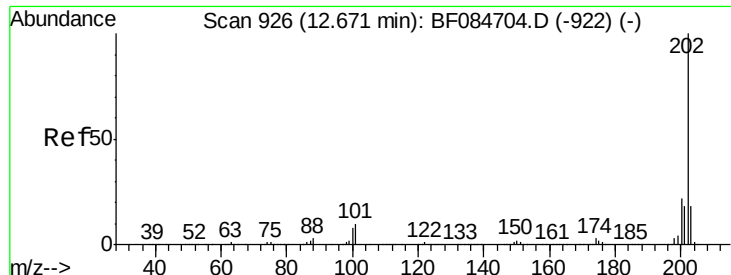
Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 13.4  | 12.2  | 18.2  |
| 183     | 11.2  | 9.8   | 14.8  |





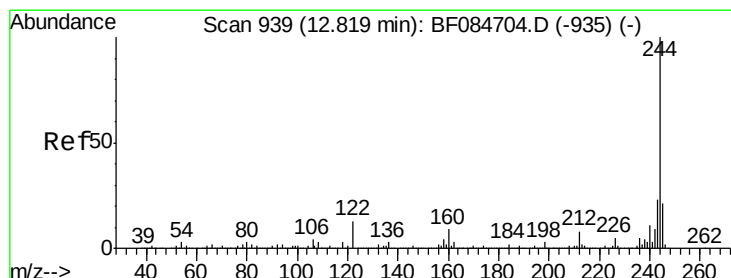
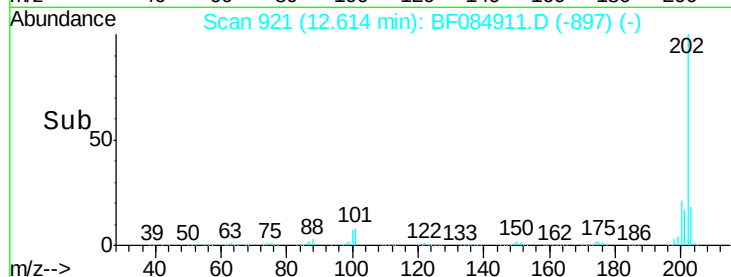
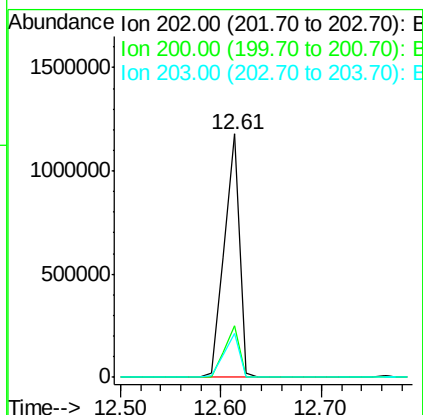
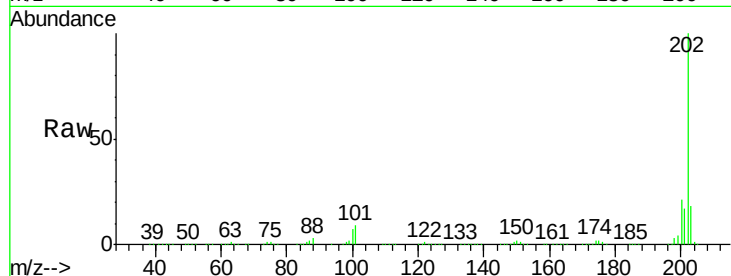
#77  
Pvrene  
Concen: 57.26 ng  
RT: 12.61 min Scan# 921  
Delta R.T. -0.02 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.4  | 17.2  | 25.8  |
| 203     | 17.9  | 14.3  | 21.5  |

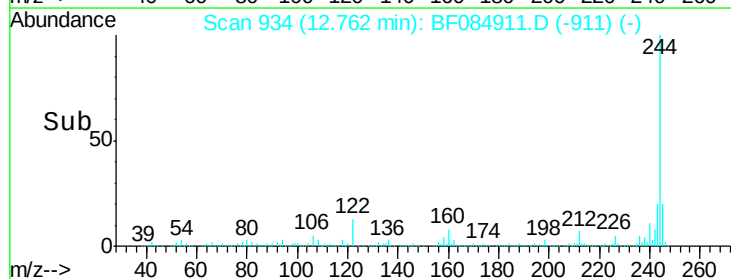
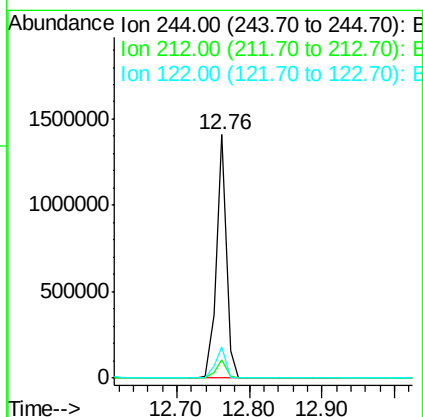
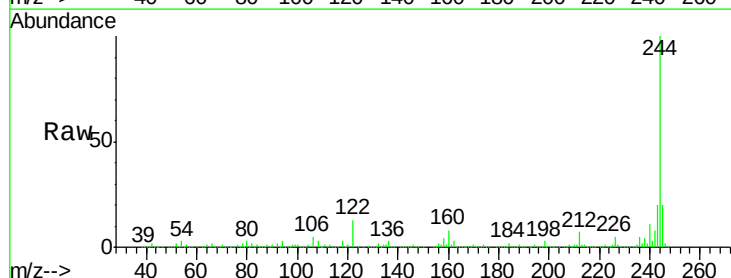
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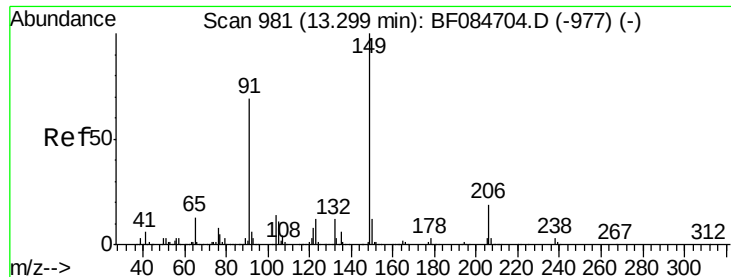
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#78  
Terphenyl-d14  
Concen: 107.36 ng  
RT: 12.76 min Scan# 934  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.4   | 5.7   | 8.5   |
| 122     | 12.9  | 7.4   | 11.0  |





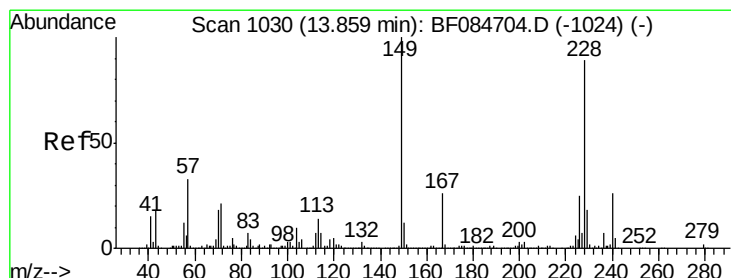
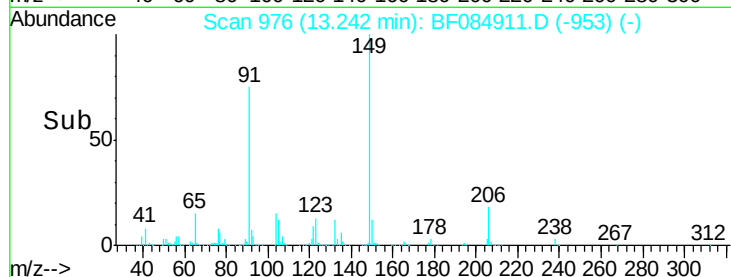
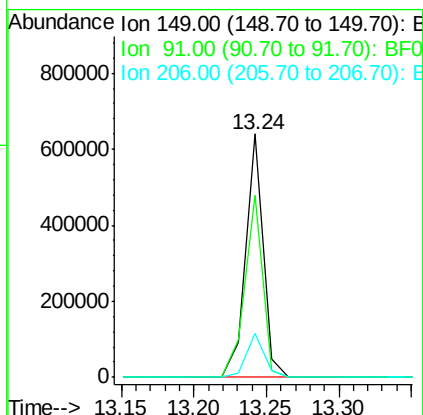
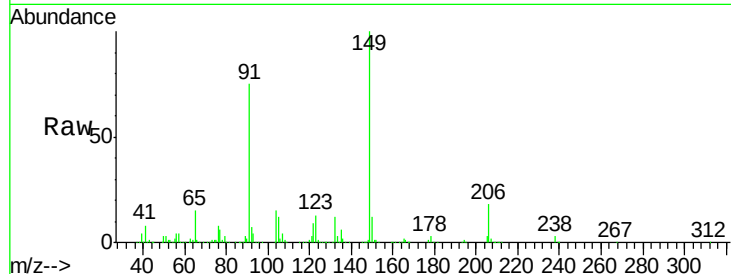
#79  
Butylbenzylphthalate  
Concen: 54.59 ng  
RT: 13.24 min Scan# 976  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 91      | 75.1  | 57.6 | 86.4  |       |
| 206     | 18.0  | 13.2 | 19.8  |       |

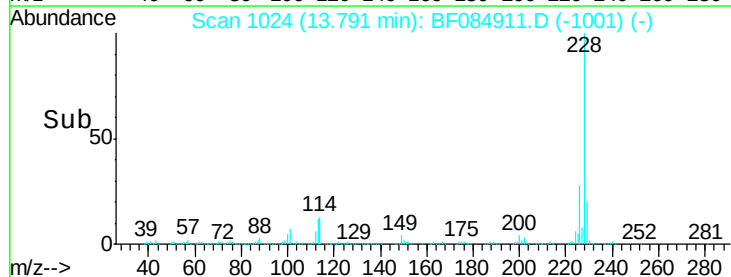
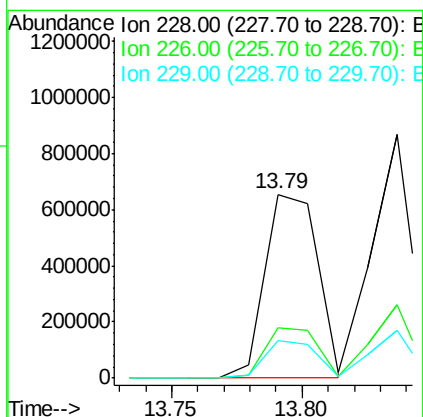
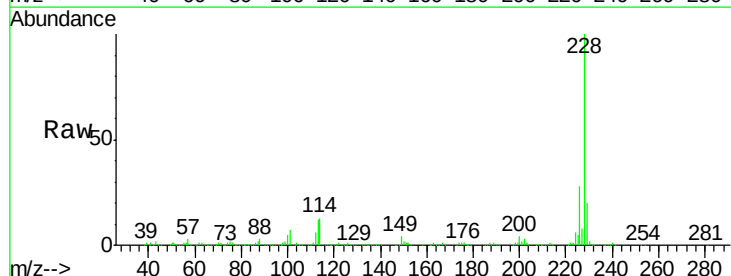
Manual Integrations  
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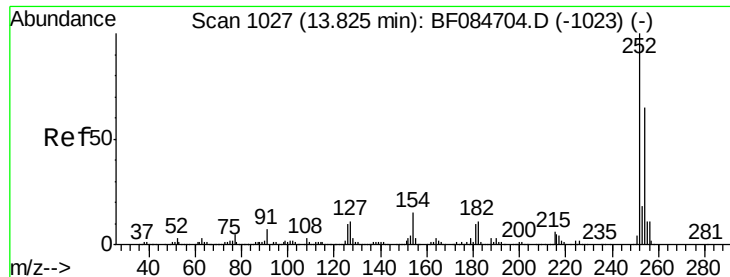
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#80  
Benzo(a)anthracene  
Concen: 52.40 ng  
RT: 13.79 min Scan# 1024  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

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





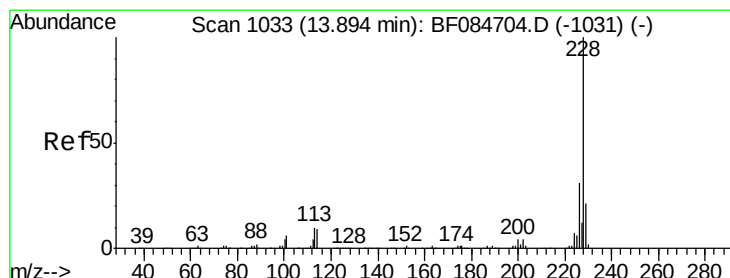
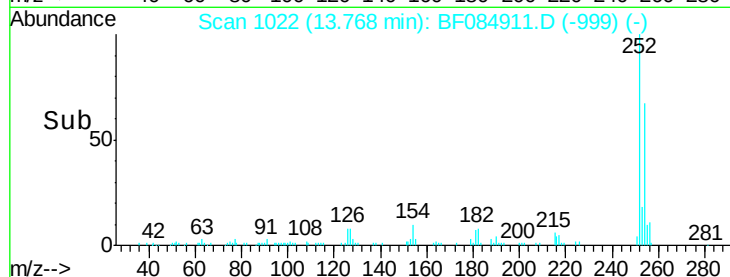
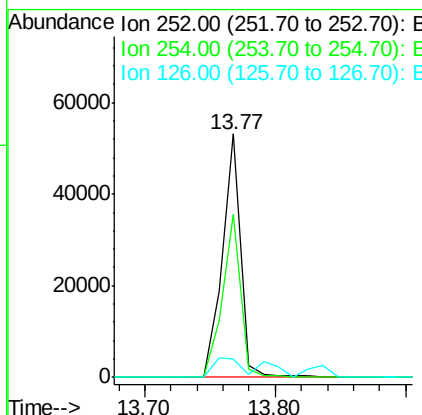
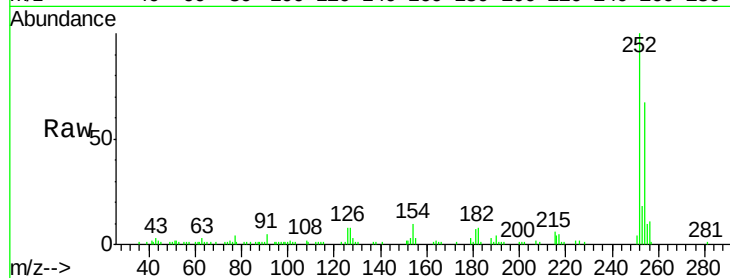
#81  
 3,3'-Dichlorobenzidine  
 Concen: 8.44 ng  
 RT: 13.77 min Scan# 1022  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 66.8  | 53.5  | 80.3  |
| 126     | 7.6   | 4.9   | 7.3   |

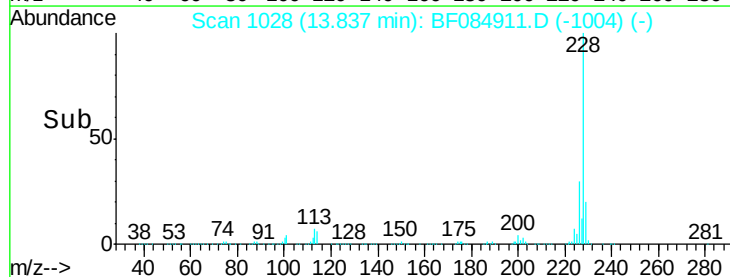
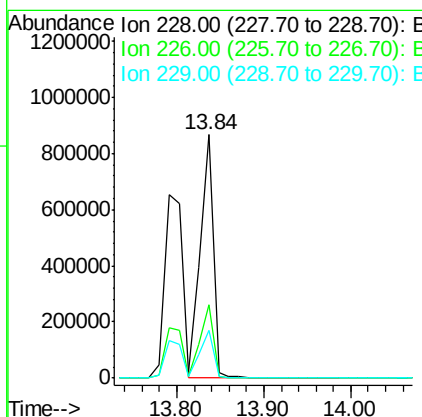
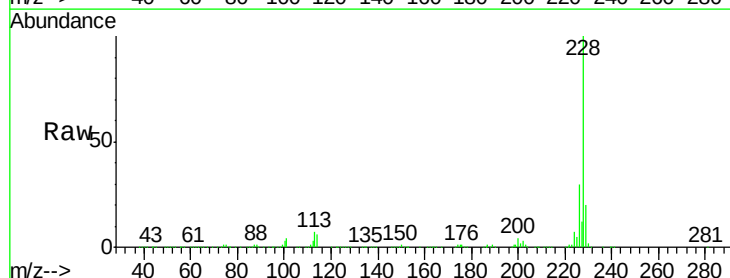
Manual Integrations  
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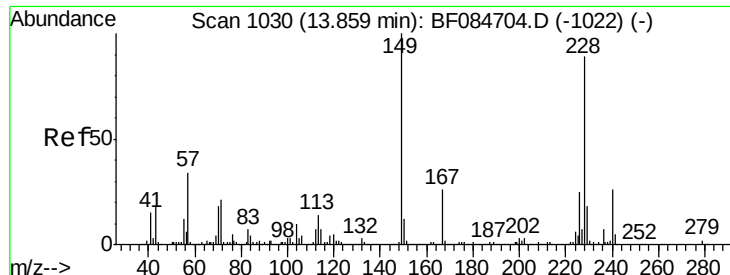
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#82  
 Chrysene  
 Concen: 52.48 ng  
 RT: 13.84 min Scan# 1028  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.0  | 24.3  | 36.5  |
| 229     | 19.6  | 16.1  | 24.1  |





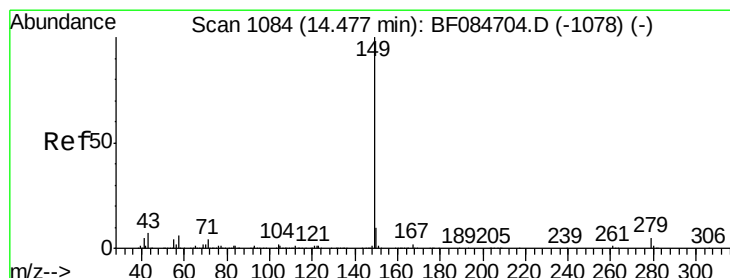
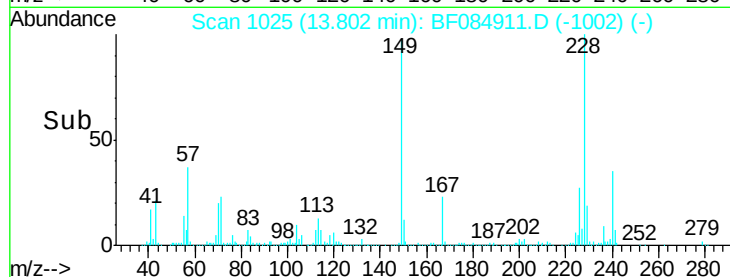
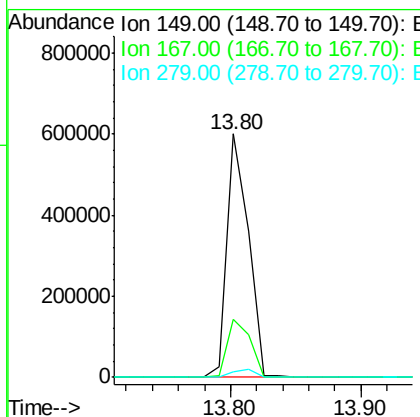
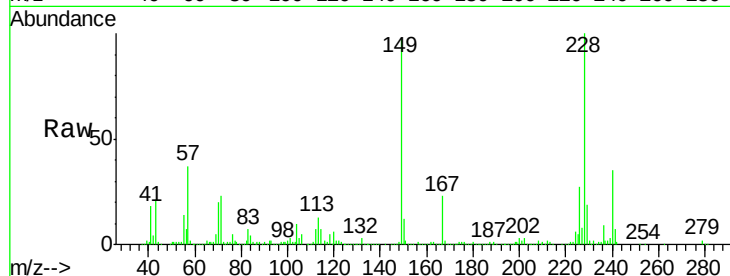
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 55.91 ng  
 RT: 13.80 min Scan# 1025  
 Delta R.T. -0.03 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 683250 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 24.1  | 19.7  | 29.5   |
| 279       | 2.1   | 1.8   | 2.6    |

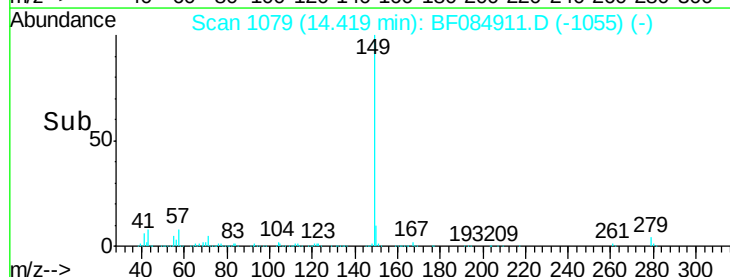
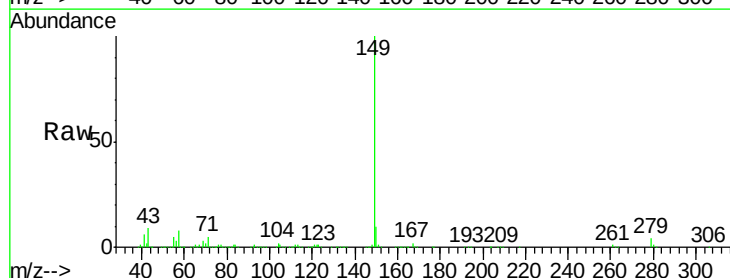
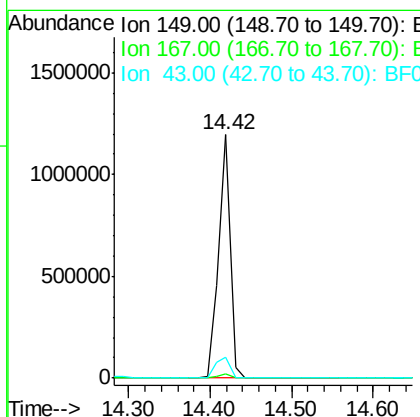
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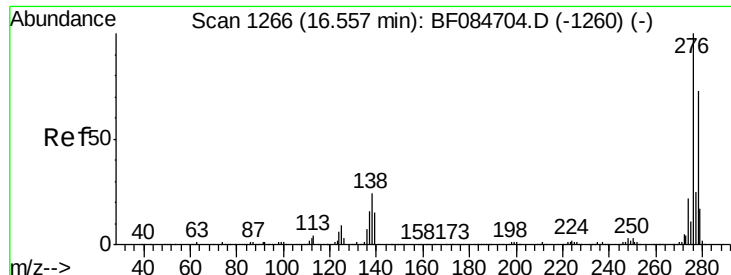
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#84  
 Di-n-octyl phthalate  
 Concen: 58.41 ng  
 RT: 14.42 min Scan# 1079  
 Delta R.T. -0.02 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1177635 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 167       | 1.5   | 1.2   | 1.8     |
| 43        | 11.1  | 5.6   | 8.4#    |





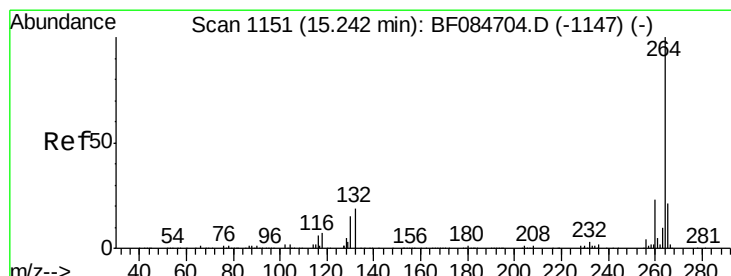
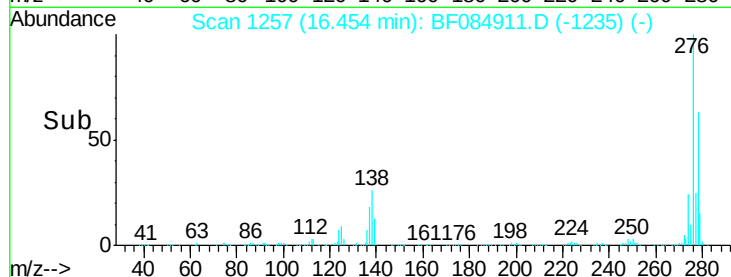
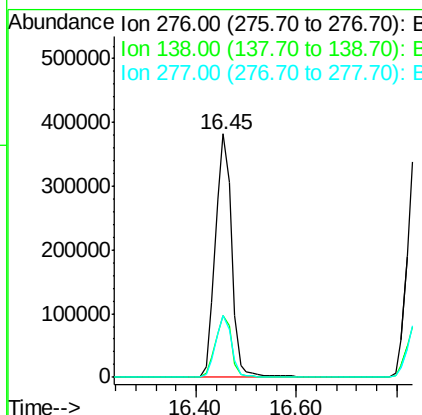
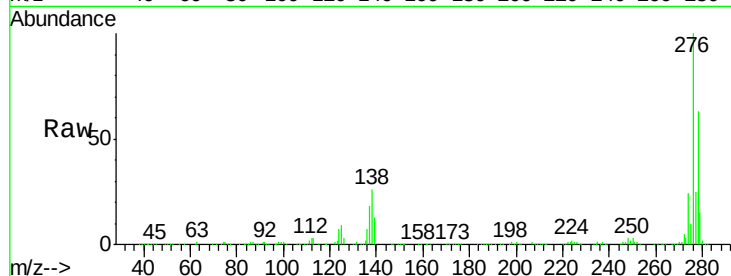
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 64.50 ng  
RT: 16.45 min Scan# 1257  
Delta R.T. -0.05 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

Instrument :  
BNA\_F  
ClientSampleId :  
S4-B016(17-19)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.5  | 20.6  | 30.8  |
| 277     | 25.1  | 20.1  | 30.1  |

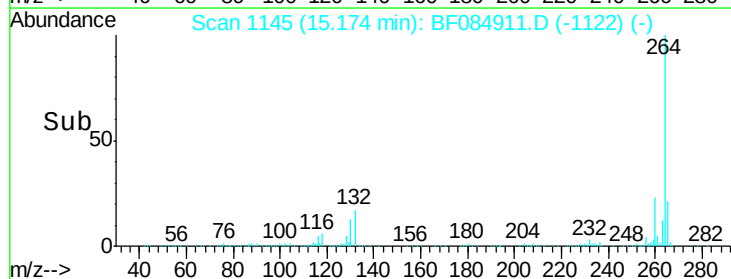
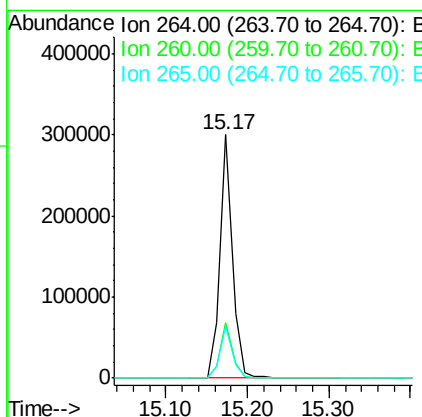
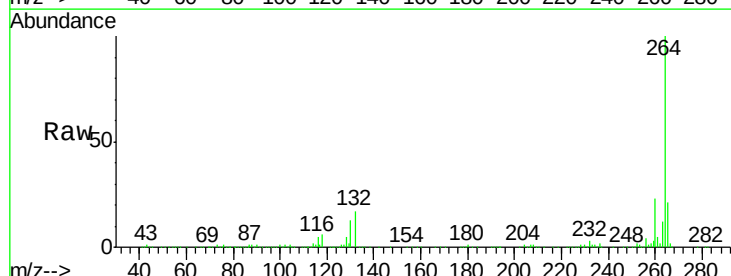
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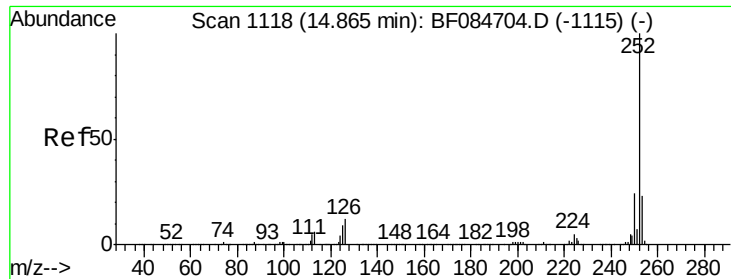
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.17 min Scan# 1145  
Delta R.T. -0.03 min  
Lab File: BF084911.D  
Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.7  | 19.4  | 29.2  |
| 265     | 21.1  | 17.8  | 26.6  |





#87

Benzo(b)fluoranthene

Concen: 51.49 ng m

RT: 14.80 min Scan# 1112

Delta R.T. -0.03 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

ClientSampleId :

S4-B016(17-19)MS

Tot Ion:252 Resp: 1101962

Ion Ratio Lower Upper

252 100

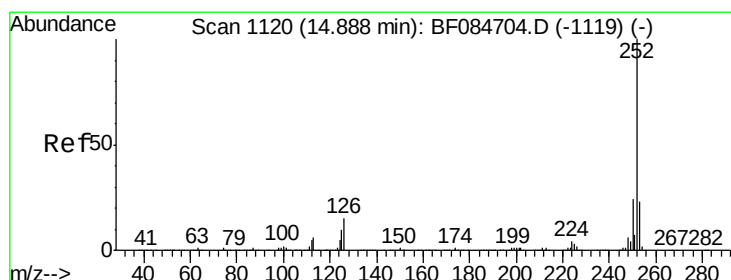
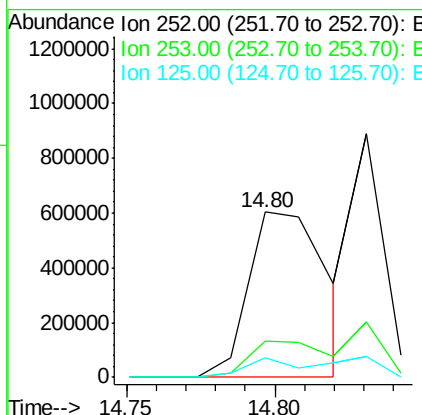
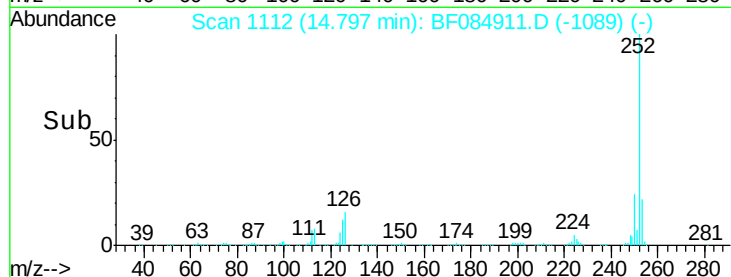
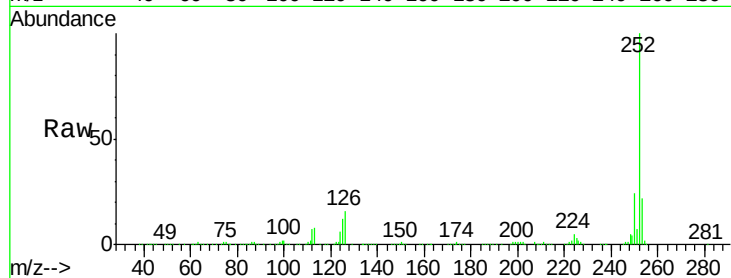
253 22.2 17.3 25.9

125 11.9 6.5 9.7#

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#88

Benzo(k)fluoranthene

Concen: 39.18 ng m

RT: 14.83 min Scan# 1115

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

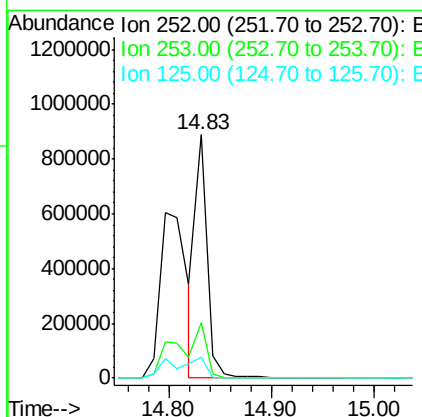
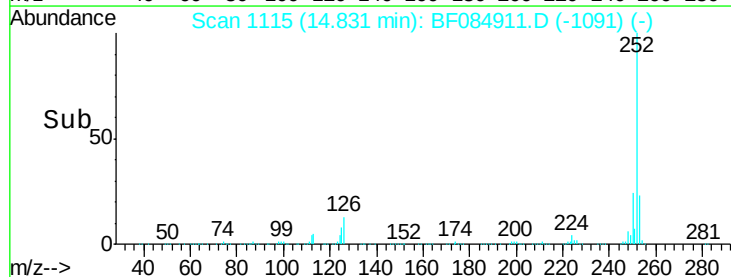
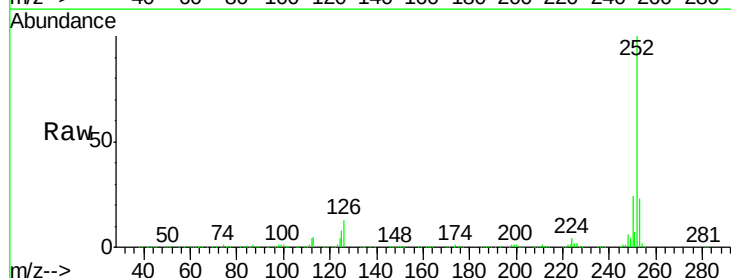
Tgt Ion:252 Resp: 693184

Ion Ratio Lower Upper

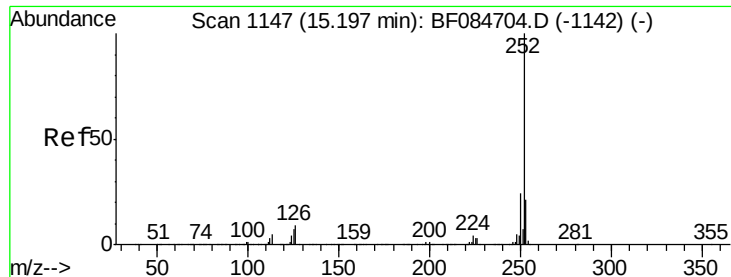
252 100

253 23.0 18.1 27.1

125 8.4 9.0 13.6#







#89

Benzo(a)pyrene

Concen: 48.03 ng

RT: 15.13 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

Instrument :

BNA\_F

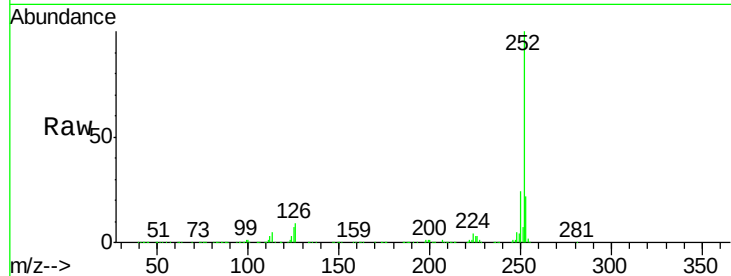
ClientSampleId :

S4-B016(17-19)MS

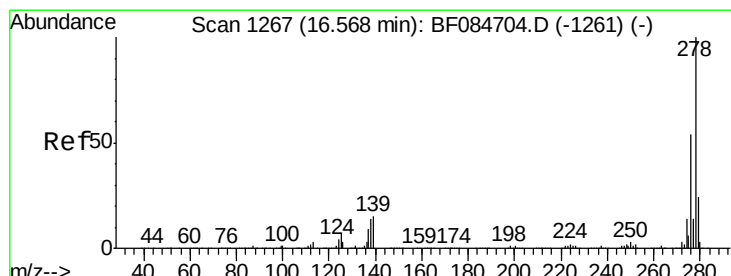
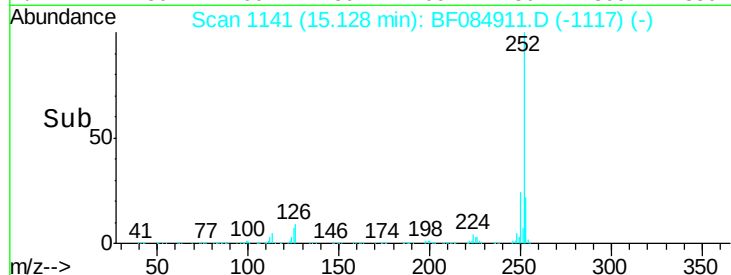
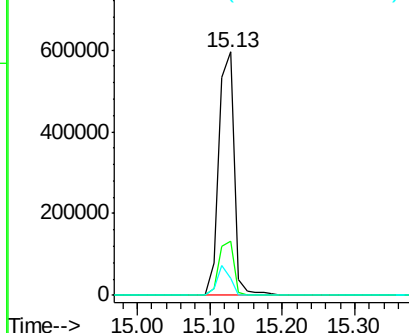
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.3  | 25.9  |
| 125     | 6.9   | 7.0   | 10.4# |

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



#90

Dibenzo(a,h)anthracene

Concen: 47.83 ng

RT: 16.47 min Scan# 1258

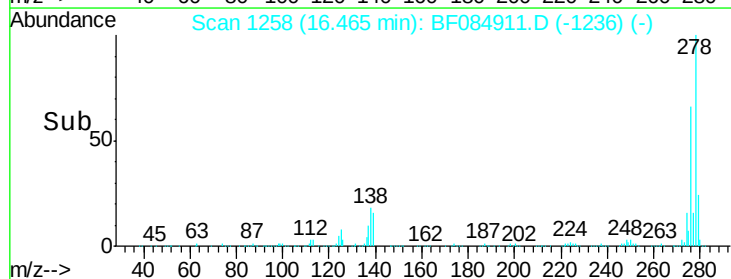
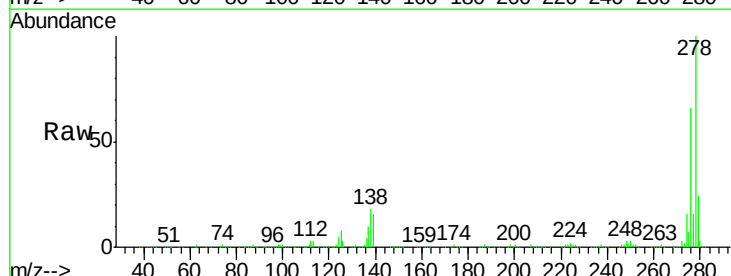
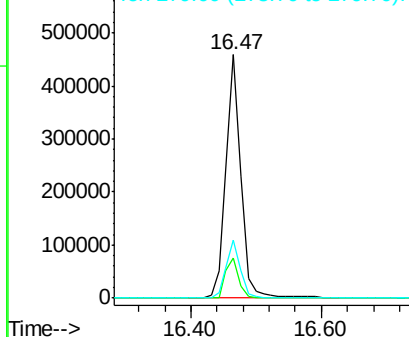
Delta R.T. -0.05 min

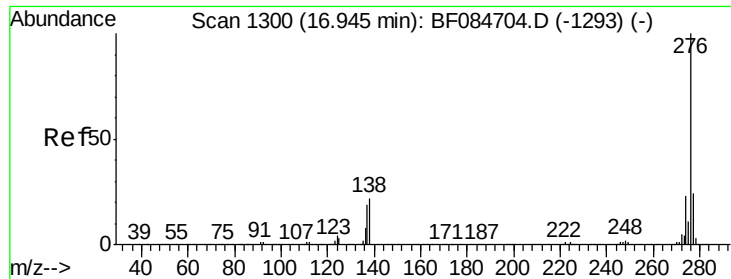
Lab File: BF084911.D

Acq: 6 Feb 2016 14:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.3  | 15.0  | 22.4  |
| 279     | 23.8  | 18.9  | 28.3  |

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





#91  
 Benzo(a,h,i)perylene  
 Concen: 45.79 ng  
 RT: 16.83 min Scan# 1290  
 Delta R.T. -0.06 min  
 Lab File: BF084911.D  
 Acq: 6 Feb 2016 14:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4-B016(17-19)MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 276  | Resp: | 708017 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 23.9 | 18.8  | 28.2   |
| 138       | 23.4 | 17.8  | 26.6   |

Manual Integrations  
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