

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\  
 Data File : BF086336.D  
 Acq On : 21 Apr 2016 4:21  
 Operator : UM/SJ  
 Sample : H2569-10MSD  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LCF-B2MSD

Manual Integrations  
 APPROVED

sohil  
 4/21/2016 7:12:30 PM

Quant Time: Apr 21 05:51:15 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 20 15:45:26 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.86  | 152  | 215078   | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 8.16  | 136  | 803963   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.92  | 164  | 285670   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.39 | 188  | 467362   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 14.03 | 240  | 335526   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.46 | 264  | 244191   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.48  | 112 | 1731502 | 140.46 | ng | 0.00  |
| 7) Phenol-d6             | 6.51  | 99  | 2207804 | 136.86 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.44  | 82  | 1291704 | 92.02  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 341222  | 153.25 | ng | -0.02 |
| 44) 2-Fluorobiphenyl     | 9.23  | 172 | 1664308 | 122.15 | ng | -0.03 |
| 78) Terphenyl-d14        | 12.98 | 244 | 1259823 | 89.38  | ng | -0.02 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.54 | 88  | 290819  | 43.55 | ng | 97     |
| 3) Pyridine                    | 3.28 | 79  | 837356  | 48.98 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.22 | 42  | 328534  | 55.77 | ng | # 73   |
| 6) Aniline                     | 6.53 | 93  | 415933  | 19.16 | ng | # 41   |
| 8) 2-Chlorophenol              | 6.66 | 128 | 692953  | 47.32 | ng | 88     |
| 9) Benzaldehyde                | 6.41 | 77  | 205163  | 17.94 | ng | 88     |
| 10) Phenol                     | 6.52 | 94  | 723296  | 39.12 | ng | 77     |
| 11) bis(2-Chloroethyl)ether    | 6.61 | 93  | 720168  | 44.60 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.81 | 146 | 710542  | 44.23 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.89 | 146 | 761425  | 44.36 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.05 | 146 | 651733  | 42.80 | ng | 98     |
| 15) Benzyl Alcohol             | 7.01 | 79  | 487175  | 48.61 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45  | 984315  | 43.32 | ng | 91     |
| 17) 2-Methylphenol             | 7.14 | 107 | 560218  | 45.78 | ng | 98     |
| 18) Hexachloroethane           | 7.38 | 117 | 130928  | 25.59 | ng | # 88   |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70  | 437356  | 44.76 | ng | # 81   |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 647786  | 48.80 | ng | # 81   |
| 22) Acetophenone               | 7.29 | 105 | 916937  | 54.29 | ng | # 90   |
| 24) Nitrobenzene               | 7.46 | 77  | 738456  | 49.17 | ng | 99     |
| 25) Isophorone                 | 7.70 | 82  | 1360272 | 51.14 | ng | 98     |
| 26) 2-Nitrophenol              | 7.77 | 139 | 215797  | 32.12 | ng | # 91   |
| 27) 2,4-Dimethylphenol         | 7.81 | 122 | 605800  | 45.98 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93  | 851170  | 54.72 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.02 | 162 | 533823  | 51.38 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 8.10 | 180 | 532206  | 47.48 | ng | 100    |
| 31) Naphthalene                | 8.18 | 128 | 1806439 | 47.14 | ng | 99     |
| 32) Benzoic acid               | 7.88 | 122 | 57186m  | 7.30  | ng |        |
| 33) 4-Chloroaniline            | 8.22 | 127 | 221797  | 13.98 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.29 | 225 | 254710  | 45.09 | ng | 98     |
| 35) Caprolactam                | 8.60 | 113 | 176006  | 52.31 | ng | 91     |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107 | 529327  | 45.31 | ng | 96     |
| 37) 2-Methylnaphthalene        | 8.88 | 142 | 1071354 | 45.27 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 419329  | 55.15 | ng | # 96   |
| 40) Hexachlorocyclopentadiene  | 9.02 | 237 | 18394   | 11.53 | ng | 98     |

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 LCF-B2MSD

Manual Integrations  
 APPROVED

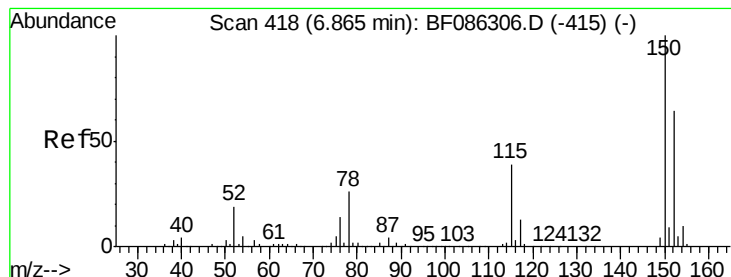
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 4/21/2016 7:12:30 PM

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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.15  | 196  | 283318   | 53.71 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.20  | 196  | 308403   | 53.68 | nq #  | 95       |
| 45) 1,1'-Biphenyl              | 9.33  | 154  | 1184728  | 52.81 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.36  | 162  | 897198   | 52.77 | nq    | 100      |
| 47) 2-Nitroaniline             | 9.46  | 65   | 370581   | 64.14 | nq #  | 74       |
| 48) Acenaphthylene             | 9.77  | 152  | 1405947  | 52.96 | nq    | 99       |
| 49) Dimethylphthalate          | 9.63  | 163  | 1494531  | 68.71 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.70  | 165  | 200979   | 44.91 | nq    | 98       |
| 51) Acenaphthene               | 9.95  | 154  | 808073   | 51.89 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.87  | 138  | 321353   | 56.46 | nq    | 80       |
| 53) 2,4-Dinitrophenol          | 9.97  | 184  | 552      | 7.18  | nq #  | 1        |
| 54) Dibenzofuran               | 10.12 | 168  | 1172768  | 55.38 | nq    | 98       |
| 55) 4-Nitrophenol              | 10.03 | 139  | 311785   | 88.35 | nq    | 89       |
| 56) 2,4-Dinitrotoluene         | 10.10 | 165  | 207951   | 37.38 | nq #  | 86       |
| 57) Fluorene                   | 10.46 | 166  | 790160   | 50.36 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.24 | 232  | 229113   | 59.44 | nq    | 94       |
| 59) Diethylphthalate           | 10.34 | 149  | 1095919  | 51.64 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204  | 380447   | 52.35 | nq    | 95       |
| 61) 4-Nitroaniline             | 10.48 | 138  | 309531   | 58.10 | nq    | 90       |
| 62) Azobenzene                 | 10.61 | 77   | 1051961  | 50.28 | nq    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 10.51 | 198  | 2162     | 7.34  | nq #  | 38       |
| 65) n-Nitrosodiphenylamine     | 10.57 | 169  | 768393   | 49.90 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.94 | 248  | 227987   | 45.40 | nq    | 94       |
| 67) Hexachlorobenzene          | 11.00 | 284  | 231017   | 45.84 | nq    | 92       |
| 68) Atrazine                   | 11.09 | 200  | 169081   | 35.73 | nq    | 99       |
| 69) Pentachlorophenol          | 11.20 | 266  | 262044   | 99.25 | nq    | 96       |
| 70) Phenanthrene               | 11.41 | 178  | 1130224  | 51.03 | nq    | 99       |
| 71) Anthracene                 | 11.47 | 178  | 1222732  | 51.55 | nq    | 98       |
| 72) Carbazole                  | 11.63 | 167  | 1258972  | 56.09 | nq    | 97       |
| 73) Di-n-butylphthalate        | 11.96 | 149  | 1537893  | 53.22 | nq #  | 98       |
| 74) Fluoranthene               | 12.60 | 202  | 1140446  | 55.54 | nq    | 99       |
| 76) Benzidine                  | 12.73 | 184  | 770876   | 52.04 | nq    | 95       |
| 77) Pyrene                     | 12.83 | 202  | 1132338  | 45.49 | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.45 | 149  | 617447   | 46.99 | nq #  | 77       |
| 80) Benzo(a)anthracene         | 14.02 | 228  | 845901   | 47.86 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.99 | 252  | 321140   | 26.27 | nq #  | 97       |
| 82) Chrysene                   | 14.05 | 228  | 796504   | 41.69 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149  | 776029   | 50.44 | nq #  | 97       |
| 84) Di-n-octyl phthalate       | 14.63 | 149  | 1487551  | 53.65 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.87 | 276  | 668822   | 34.05 | nq    | 97       |
| 87) Benzo(b)fluoranthene       | 15.05 | 252  | 680248m  | 48.16 | nq    |          |
| 88) Benzo(k)fluoranthene       | 15.08 | 252  | 711053m  | 59.80 | nq    |          |
| 89) Benzo(a)pyrene             | 15.40 | 252  | 649724   | 49.91 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.89 | 278  | 572771   | 50.40 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 17.29 | 276  | 555602   | 50.99 | nq    | 95       |

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





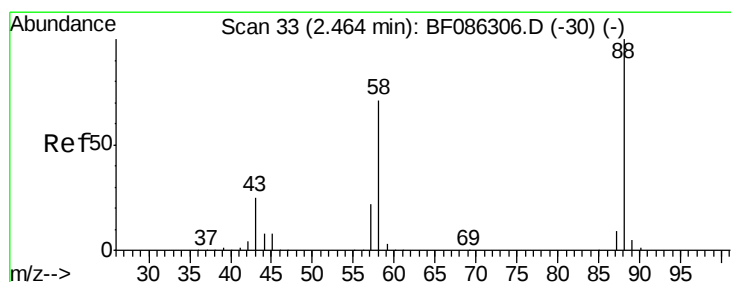
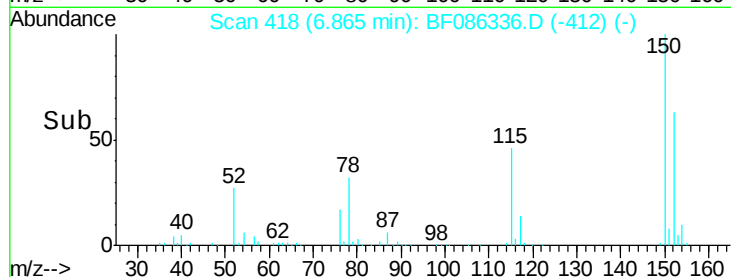
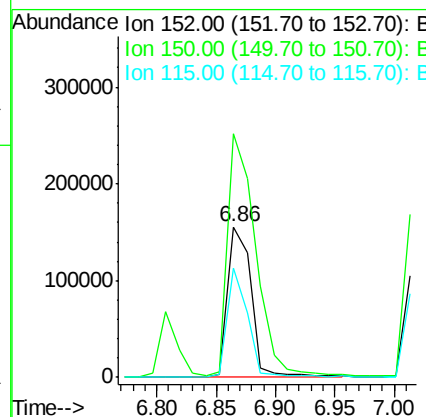
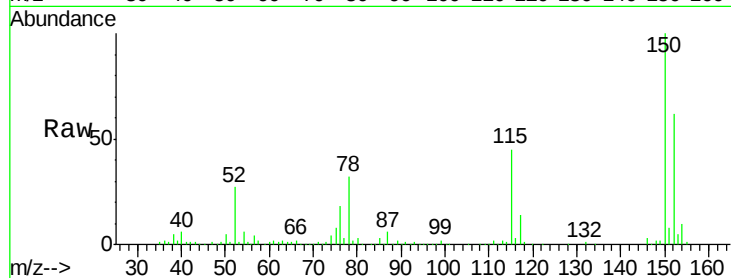
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 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.86 min Scan# 418  
 Delta R.T. -0.03 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LCF-B2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.5 | 124.1 | 186.1 |
| 115     | 72.6  | 43.9  | 65.9  |

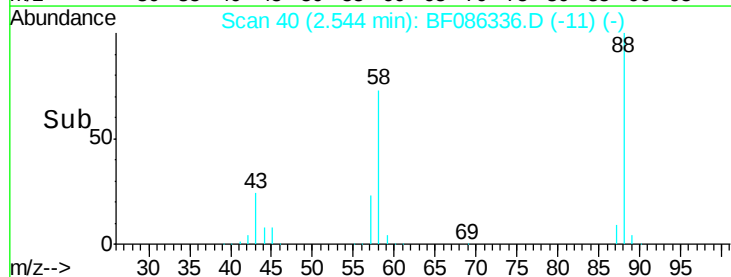
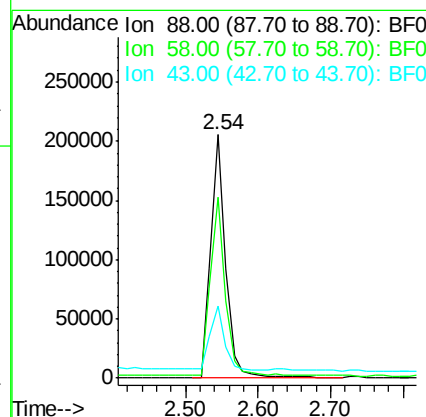
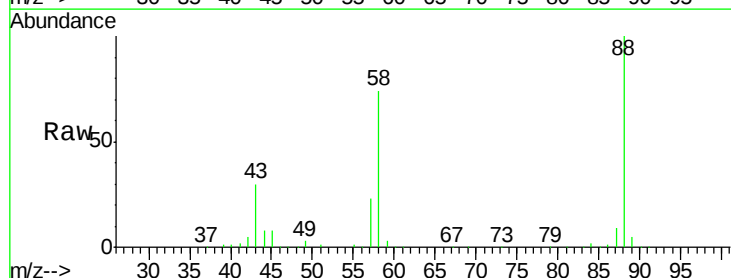
Manual Integrations  
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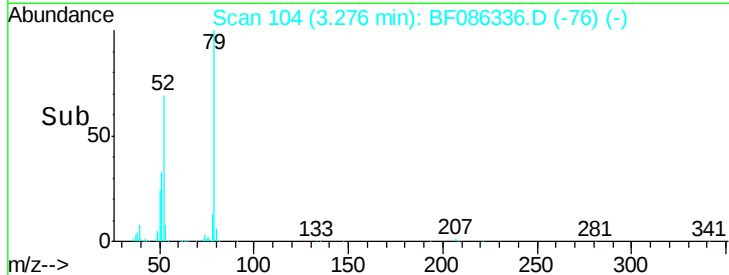
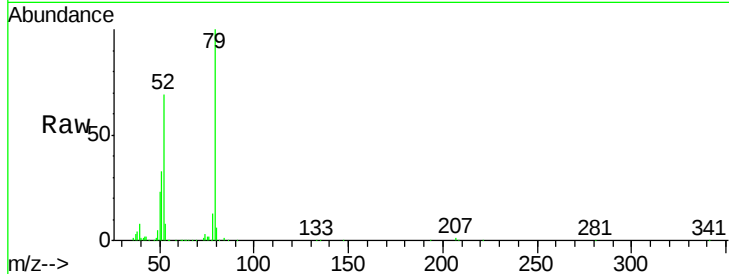
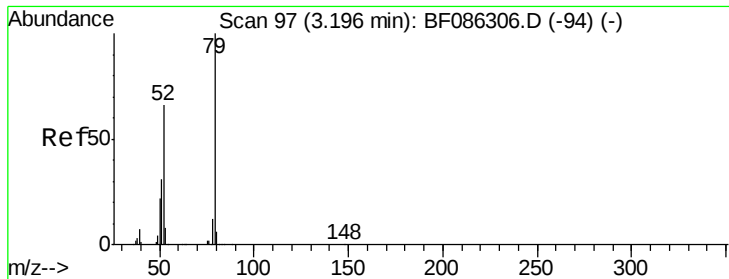
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#2  
 1,4-Dioxane  
 Concen: 43.55 ng  
 RT: 2.54 min Scan# 40  
 Delta R.T. 0.03 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 73.7  | 58.4  | 87.6  |
| 43      | 25.3  | 23.3  | 34.9  |





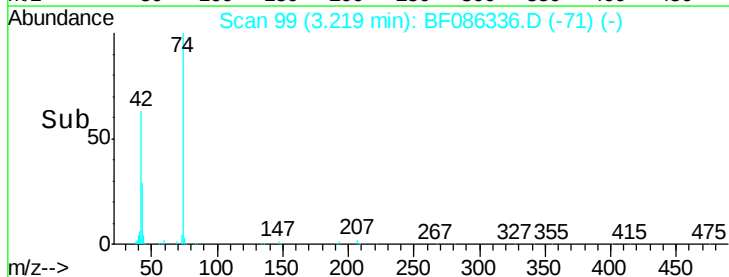
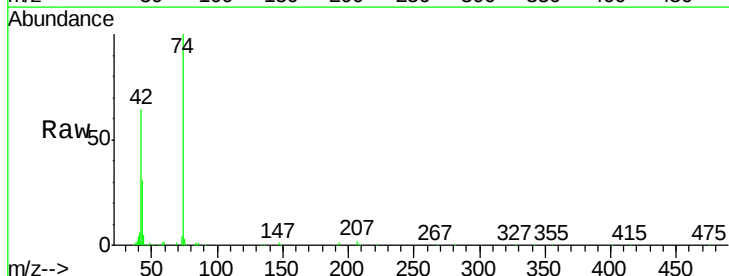
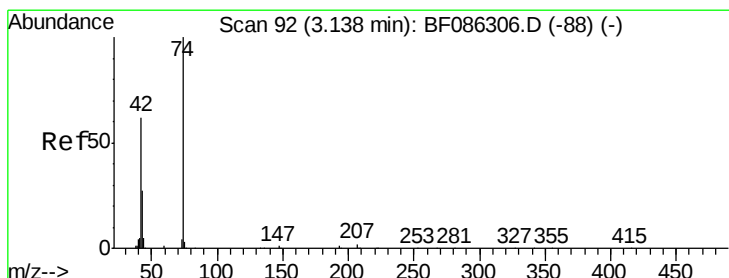
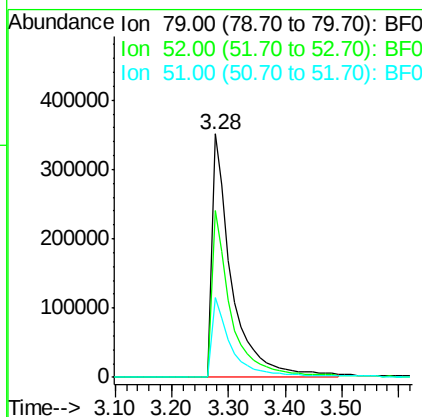
#3  
Pvridine  
Concen: 48.98 ng  
RT: 3.28 min Scan# 104  
Delta R.T. 0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 837356 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 68.8  | 55.4  | 83.2   |
| 51        | 33.0  | 28.1  | 42.1   |

Instrument :  
BNA\_F  
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LCF-B2MSD

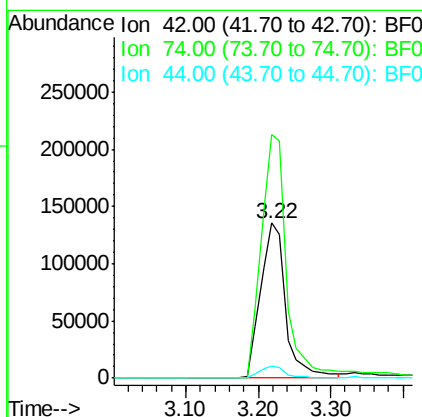
Manual Integrations  
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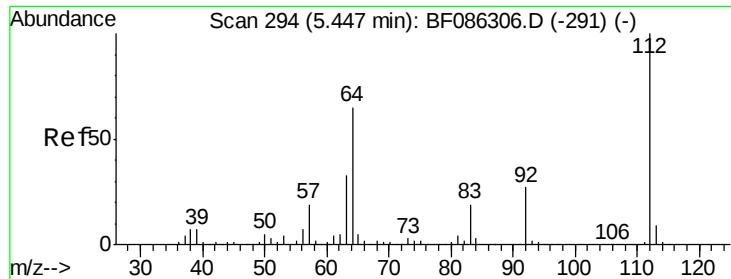
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#4  
n-Nitrosodimethylamine  
Concen: 55.77 ng  
RT: 3.22 min Scan# 99  
Delta R.T. 0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 328534 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 157.4 | 100.5 | 150.7# |
| 44        | 7.4   | 5.4   | 8.0    |





#5

2-Fluorophenol

Concen: 140.46 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

ClientSampleId :

LCF-B2MSD

Tot Ion: 112 Resp: 1731502

Ion Ratio Lower Upper

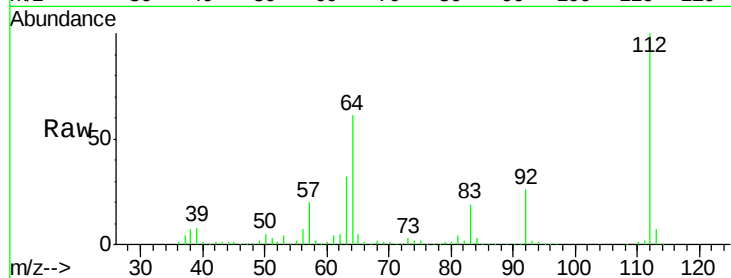
112 100

64 60.9 48.1 72.1

63 32.0 25.5 38.3

Manual Integrations  
APPROVED

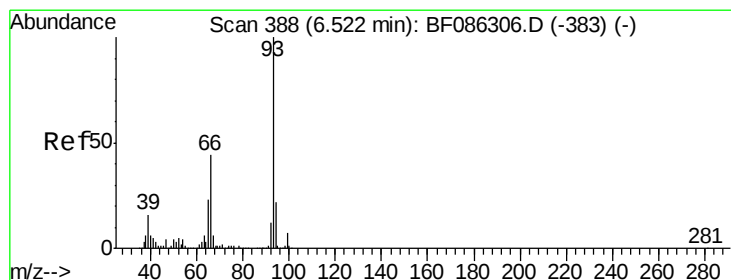
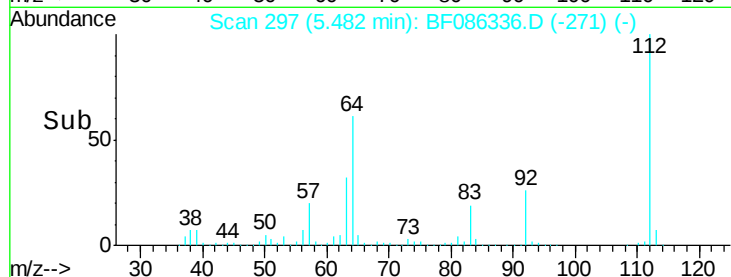
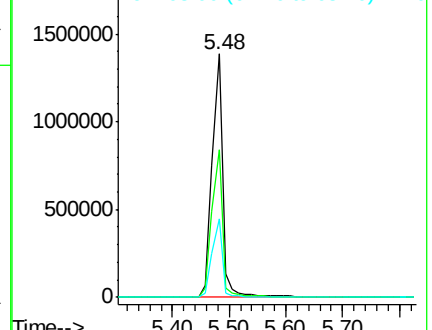
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 19.16 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

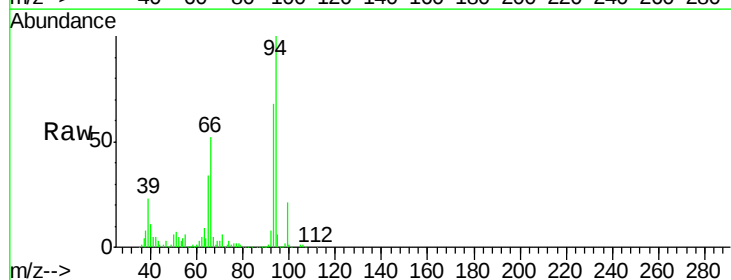
Tgt Ion: 93 Resp: 415933

Ion Ratio Lower Upper

93 100

66 75.6 32.2 48.2#

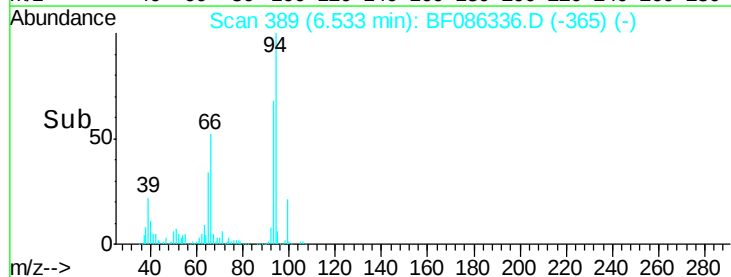
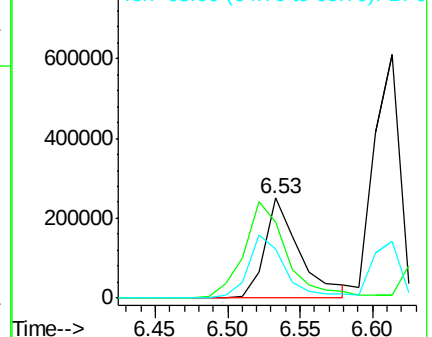
65 49.1 16.4 24.6#

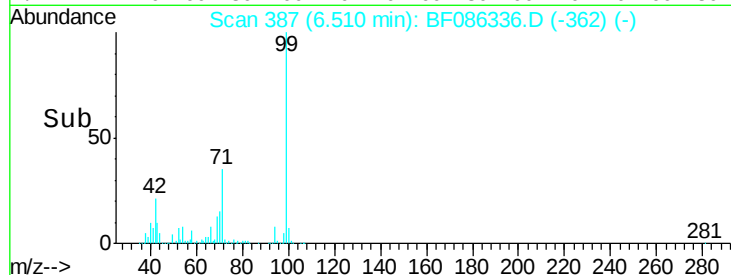
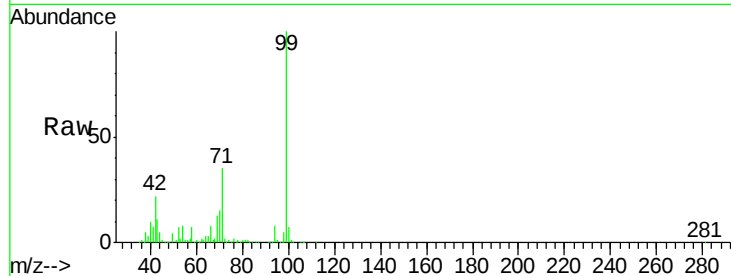
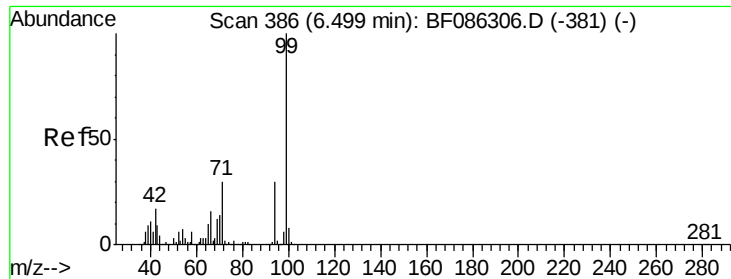


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 136.86 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Tot Ion: 99 Resp: 2207804

Ion Ratio Lower Upper

99 100

42 21.5 15.4 23.2

71 34.7 25.6 38.4

Instrument :

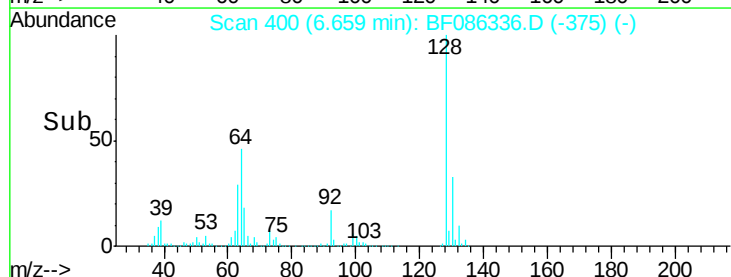
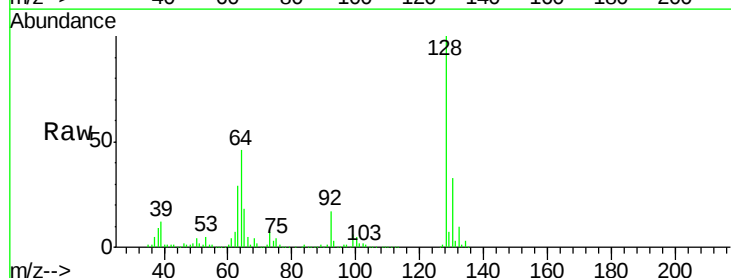
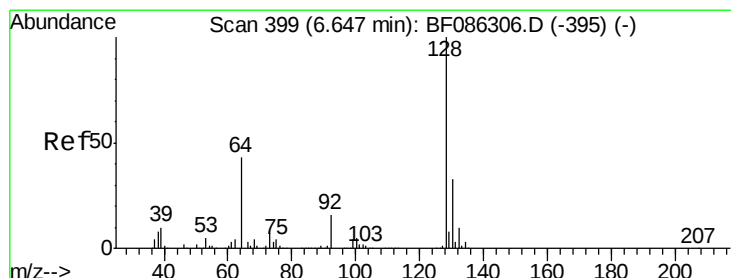
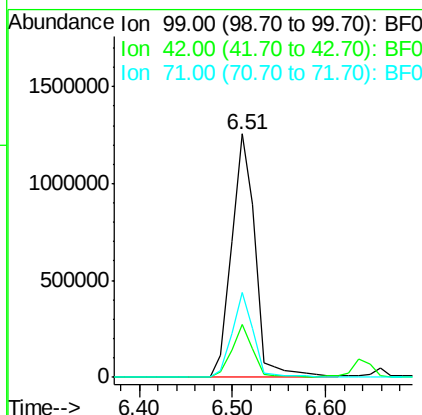
BNA\_F

ClientSampleId :

LCF-B2MSD

Manual Integrations  
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#8

2-Chlorophenol

Concen: 47.32 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

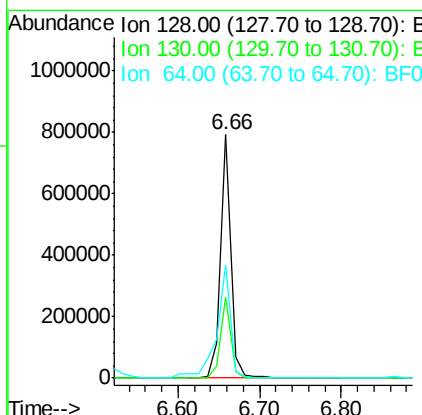
Tgt Ion: 128 Resp: 692953

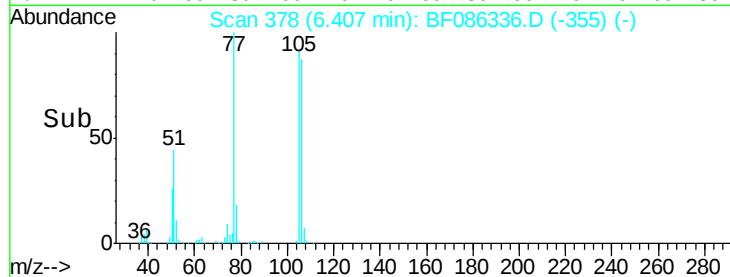
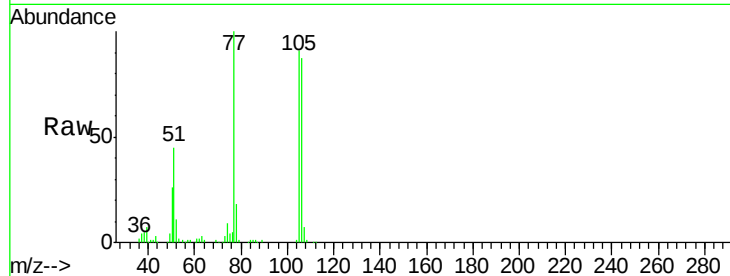
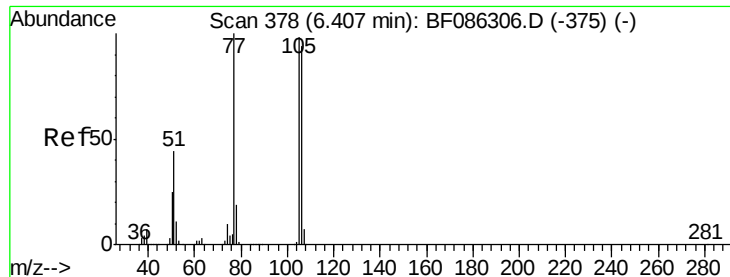
Ion Ratio Lower Upper

128 100

130 33.2 11.8 51.8

64 46.2 39.5 79.5





#9

Benzaldehyde

Concen: 17.94 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086336.D

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|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 205163 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 90.8  | 84.6  | 124.6  |
| 106      | 87.3  | 78.6  | 118.6  |

Instrument :

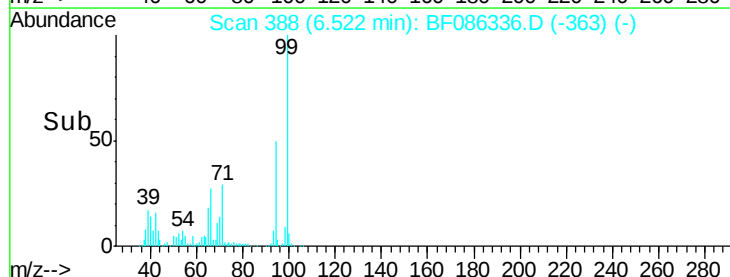
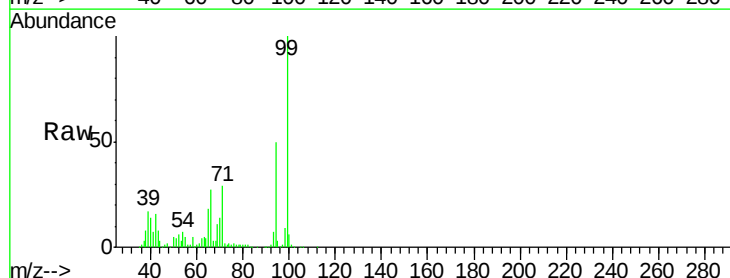
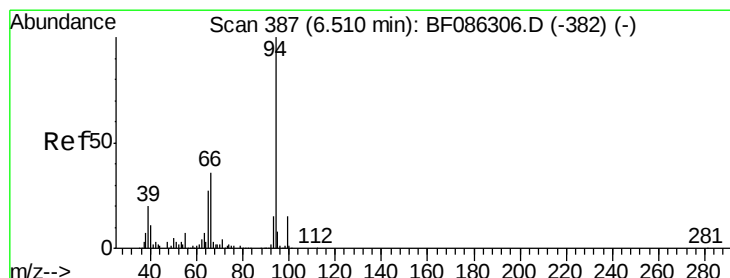
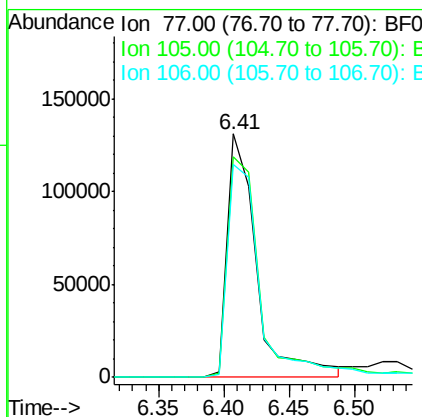
BNA\_F

ClientSampleId :

LCF-B2MSD

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#10

Phenol

Concen: 39.12 ng

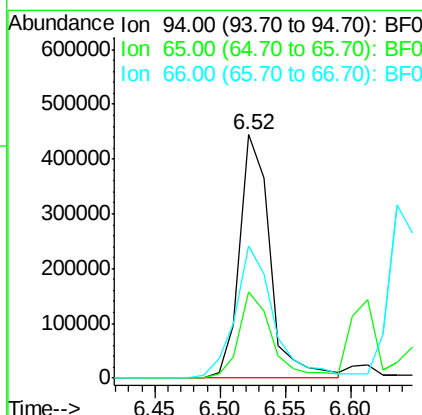
RT: 6.52 min Scan# 388

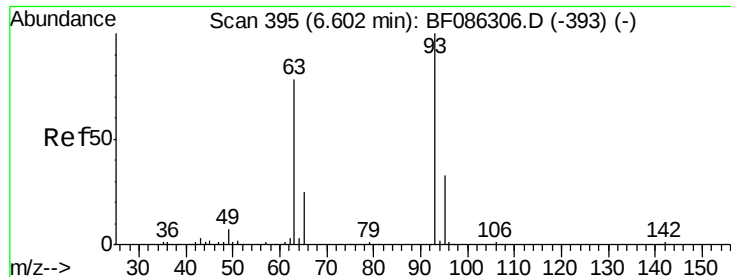
Delta R.T. -0.01 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 723296 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 35.6  | 7.9   | 47.9   |
| 66       | 54.1  | 16.5  | 56.5   |





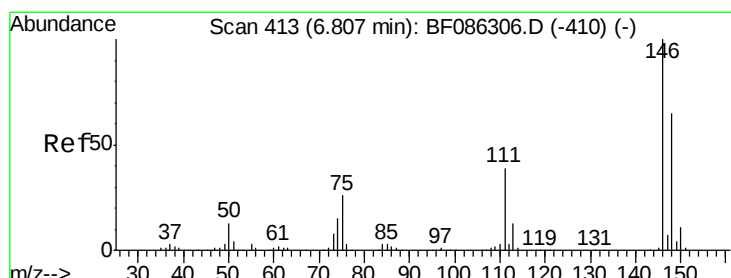
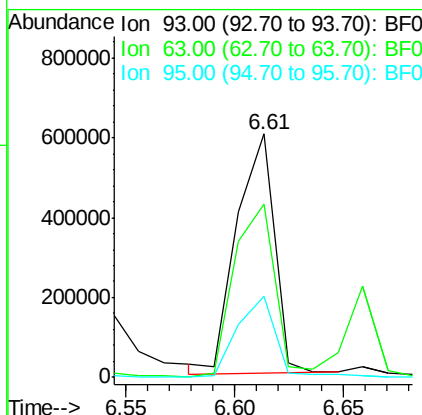
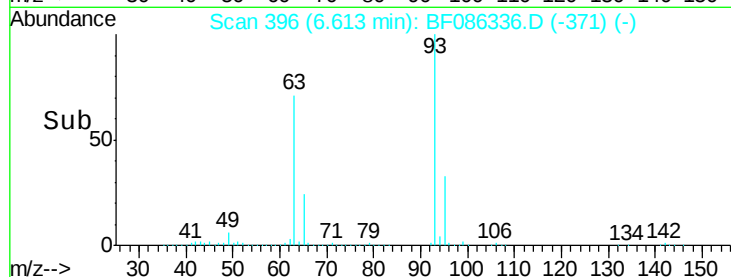
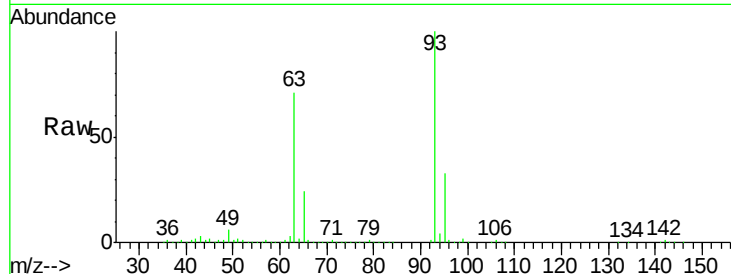
#11  
bis(2-Chloroethyl)ether  
Concen: 44.60 ng  
RT: 6.61 min Scan# 396  
Delta R.T. -0.01 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

Instrument :  
BNA\_F  
ClientSampleId :  
LCF-B2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 720168 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 71.2  | 44.4  | 84.4   |
| 95        | 33.2  | 13.1  | 53.1   |

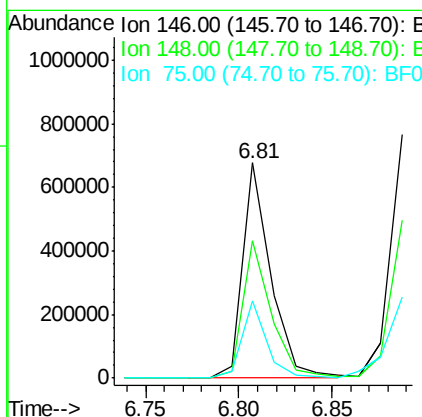
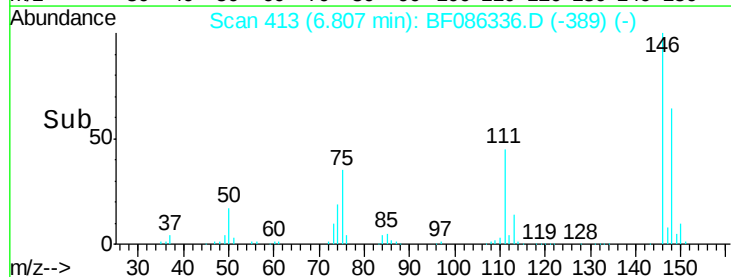
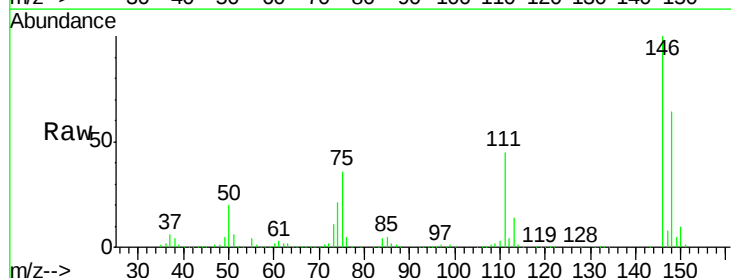
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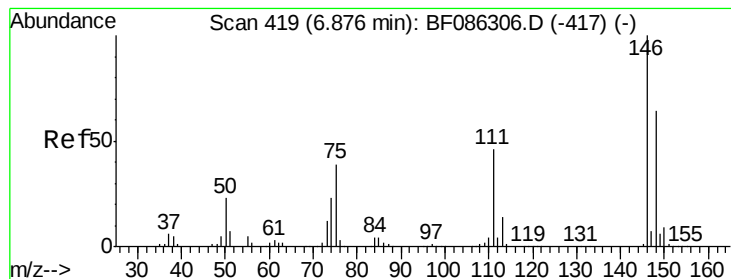
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#12  
1,3-Dichlorobenzene  
Concen: 44.23 ng  
RT: 6.81 min Scan# 413  
Delta R.T. -0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 710542 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.7  | 51.0  | 76.4   |
| 75        | 35.7  | 29.9  | 44.9   |





#13

1,4-Dichlorobenzene

Concen: 44.36 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

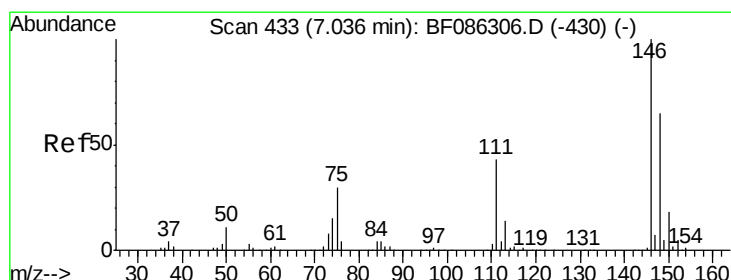
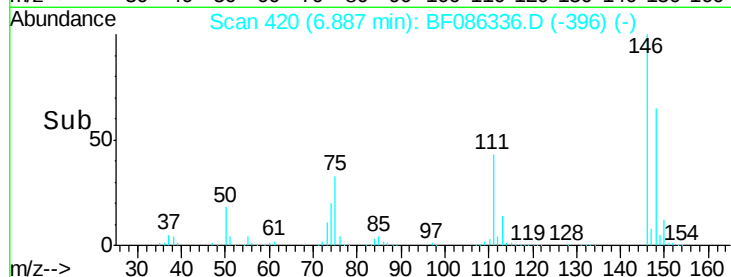
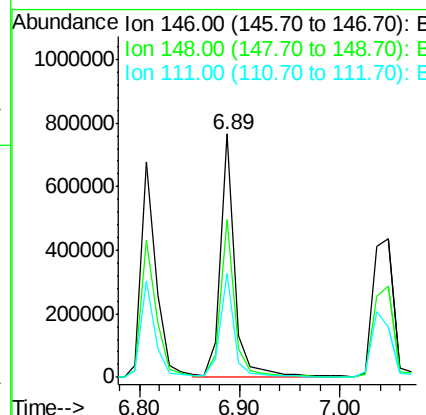
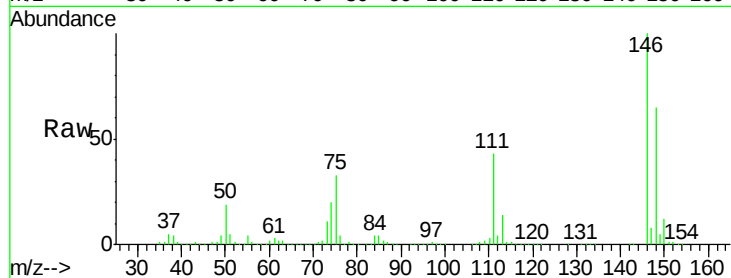
ClientSampleId :

LCF-B2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 761425 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.8  | 51.8  | 77.6   |
| 111       | 42.5  | 34.9  | 52.3   |

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#14

1,2-Dichlorobenzene

Concen: 42.80 ng

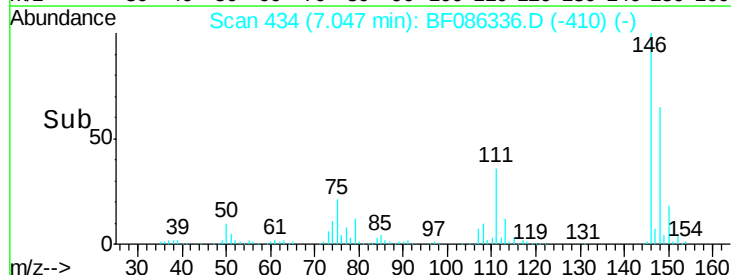
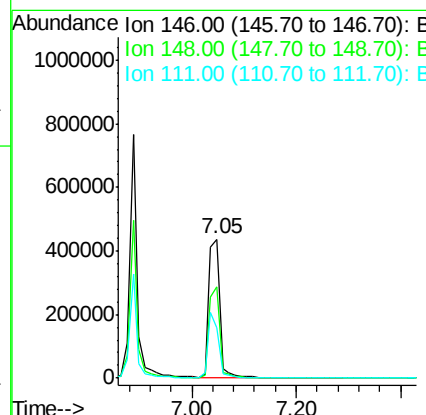
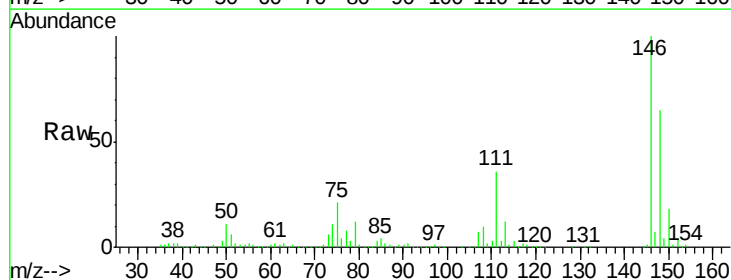
RT: 7.05 min Scan# 434

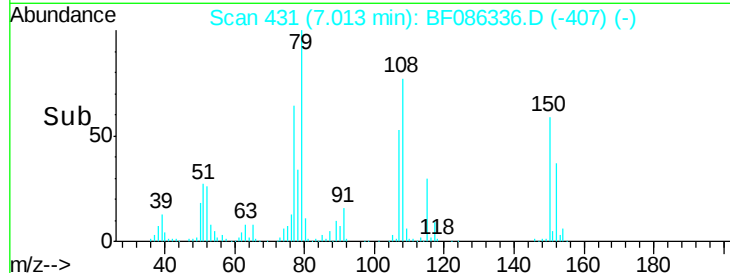
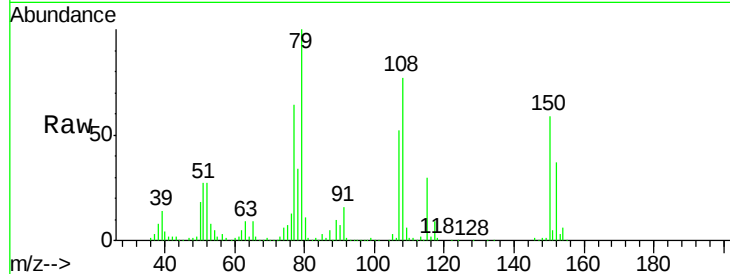
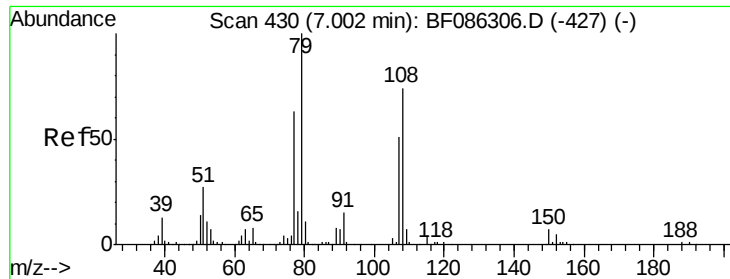
Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 651733 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.4  | 52.2  | 78.2   |
| 111       | 35.8  | 31.0  | 46.4   |





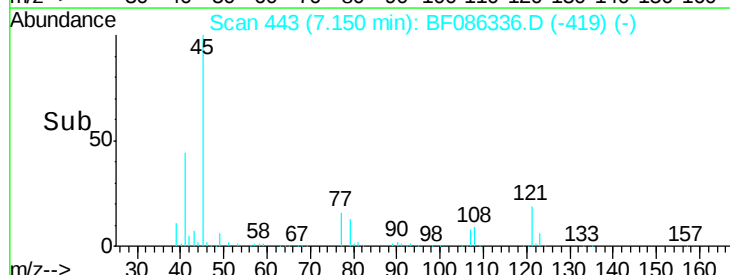
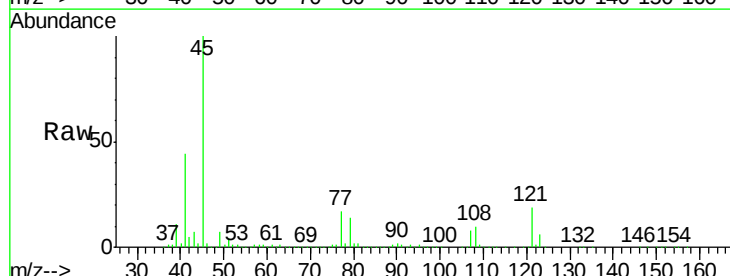
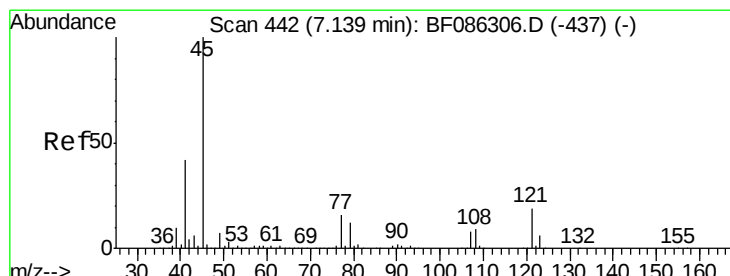
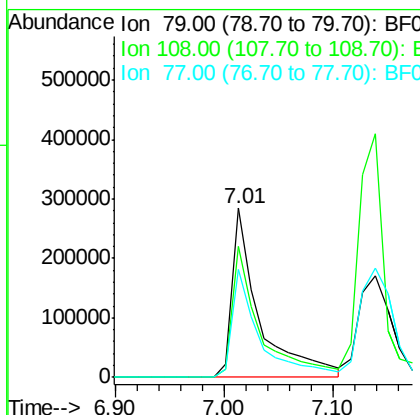
#15  
Benzyl Alcohol  
Concen: 48.61 ng  
RT: 7.01 min Scan# 431  
Delta R.T. -0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 79      | 100   | 487175 |       |       |
| 108     | 77.3  | 64.8   | 97.2  |       |
| 77      | 64.1  | 51.9   | 77.9  |       |

Instrument :  
BNA\_F  
ClientSampled :  
LCF-B2MSD

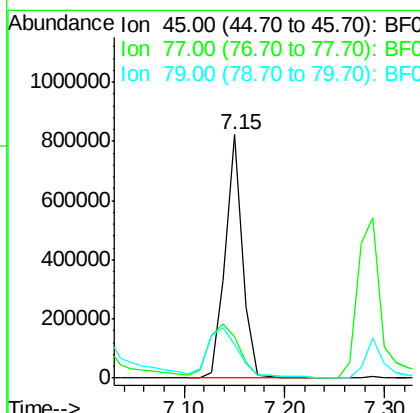
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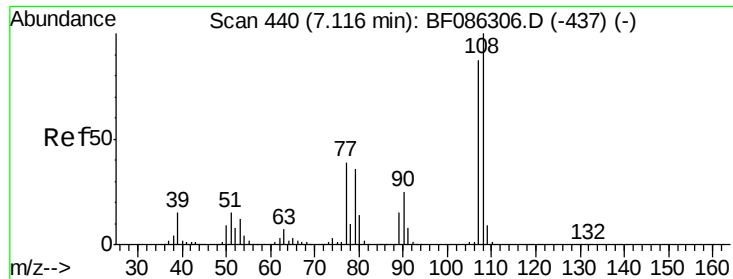
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.32 ng  
RT: 7.15 min Scan# 443  
Delta R.T. -0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 45      | 100   | 984315 |       |       |
| 77      | 17.2  | 0.0    | 33.7  |       |
| 79      | 13.8  | 0.0    | 30.1  |       |





#17

2-Methylphenol

Concen: 45.78 ng

RT: 7.14 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

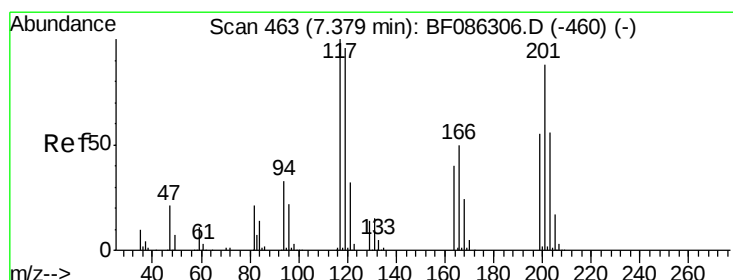
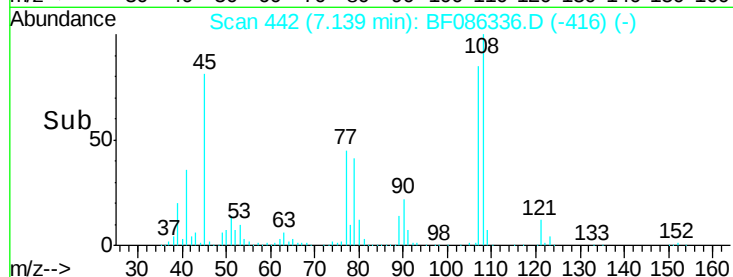
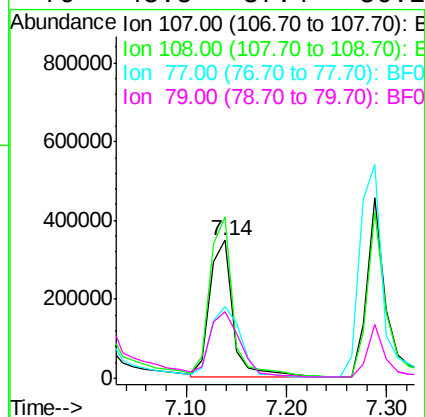
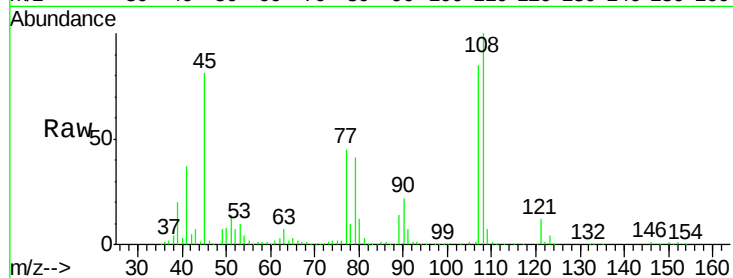
ClientSampled :

LCF-B2MSD

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 107     | 100   |       |       |       |       |
| 108     | 117.0 | 92.7  | 139.1 |       |       |
| 77      | 52.3  | 39.6  | 59.4  |       |       |
| 79      | 48.5  | 37.4  | 56.2  |       |       |

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#18

Hexachloroethane

Concen: 25.59 ng

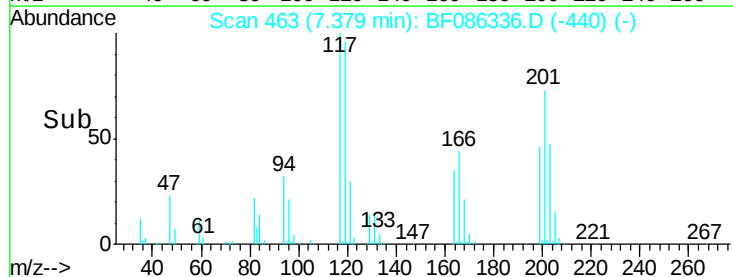
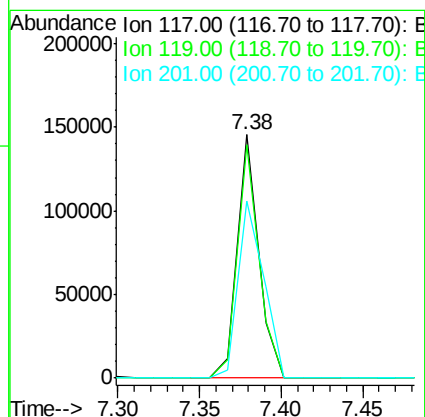
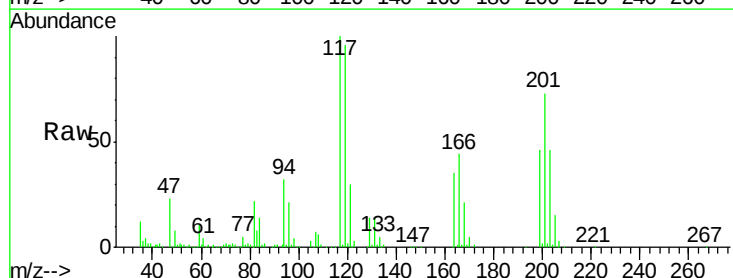
RT: 7.38 min Scan# 463

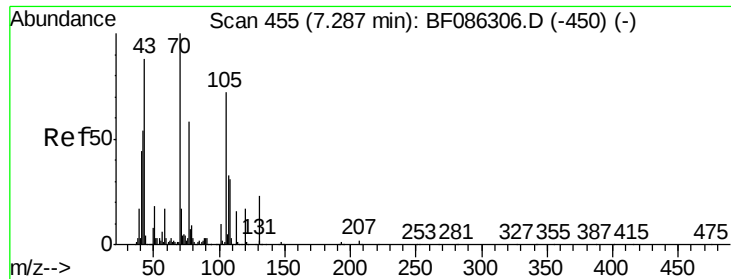
Delta R.T. -0.03 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 117     | 100  |       |        |       |       |
| 119     | 95.6 | 78.2  | 117.4  |       |       |
| 201     | 72.9 | 75.7  | 113.5# |       |       |





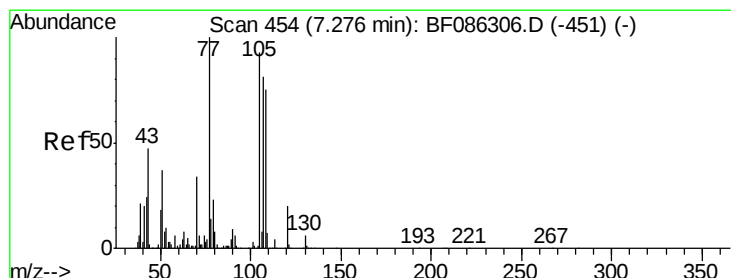
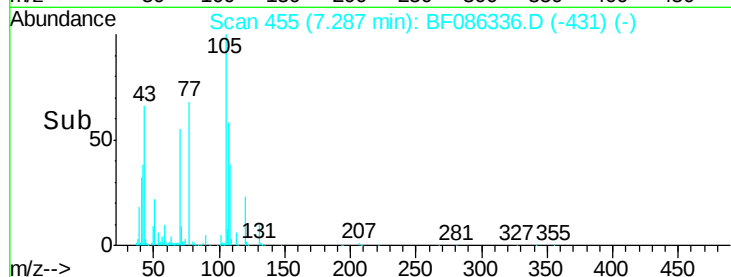
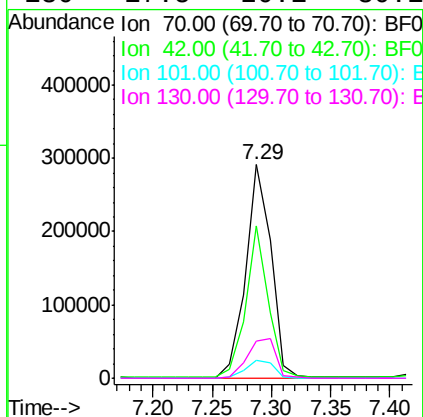
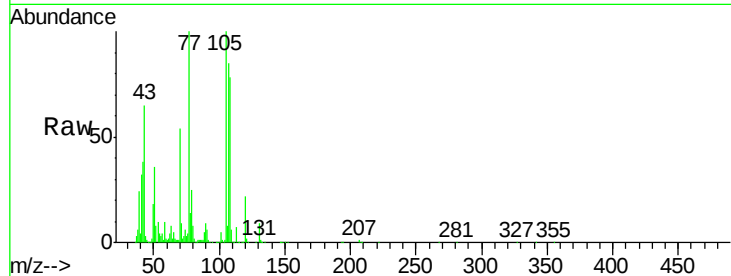
#19  
n-Nitroso-di-n-propylamine  
Concen: 44.76 ng  
RT: 7.29 min Scan# 455  
Delta R.T. -0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

Instrument :  
BNA\_F  
ClientSampleId :  
LCF-B2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 71.1  | 43.0  | 64.4# |
| 101     | 8.7   | 8.1   | 12.1  |
| 130     | 17.5  | 20.1  | 30.1# |

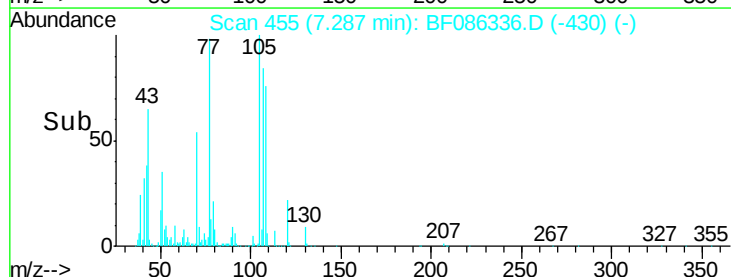
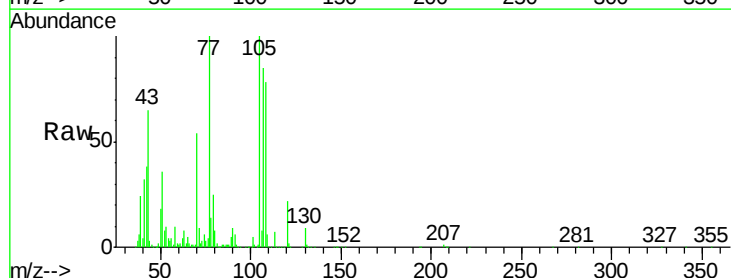
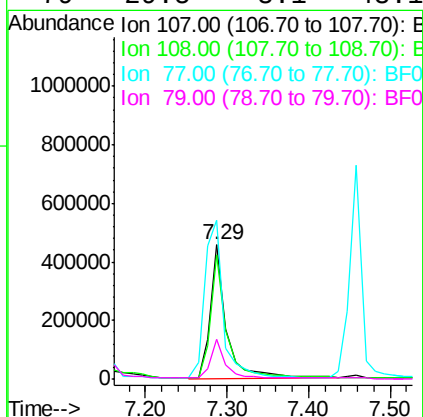
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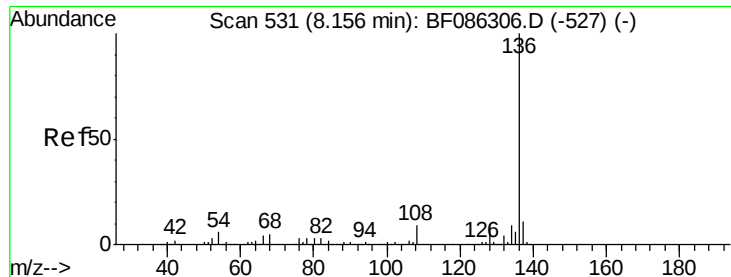
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#20  
3+4-Methylphenols  
Concen: 48.80 ng  
RT: 7.29 min Scan# 455  
Delta R.T. -0.01 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 92.0  | 69.7  | 109.7  |
| 77      | 118.1 | 60.5  | 100.5# |
| 79      | 29.5  | 8.1   | 48.1   |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

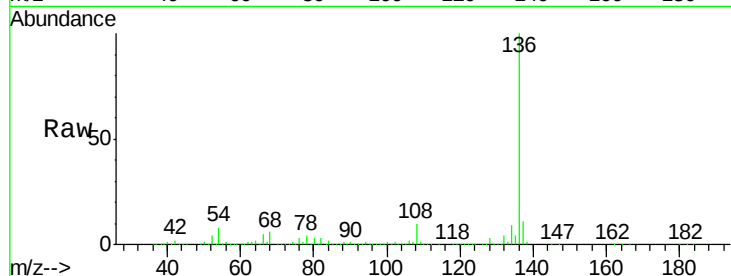
ClientSampleId :

LCF-B2MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 803963 |       |       |
| 137     | 11.2 | 9.1   | 13.7   |       |       |
| 54      | 7.9  | 7.3   | 10.9   |       |       |
| 68      | 6.5  | 5.7   | 8.5    |       |       |

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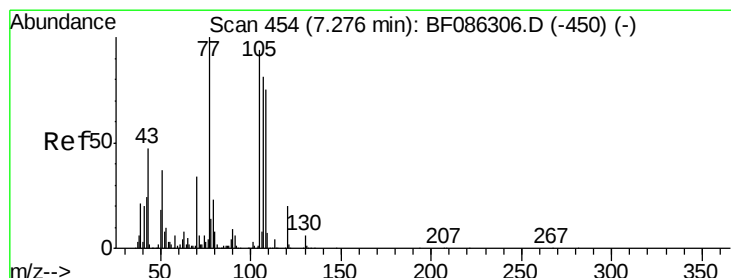
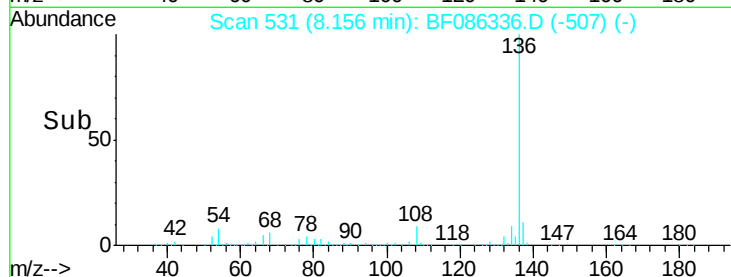
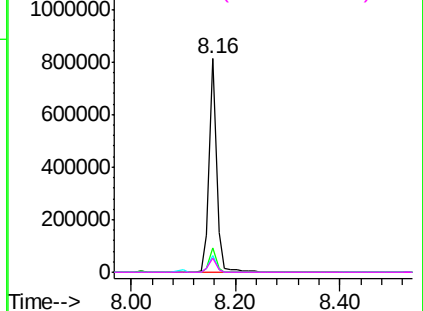
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 54.29 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 916937 |       |       |
| 71      | 9.2  | 4.0   | 6.0#   |       |       |
| 51      | 36.2 | 22.0  | 33.0#  |       |       |
| 120     | 22.3 | 17.5  | 26.3   |       |       |

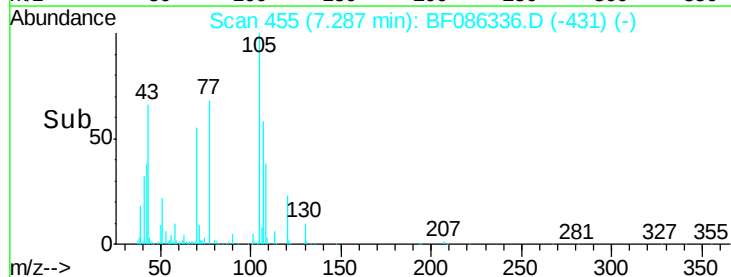
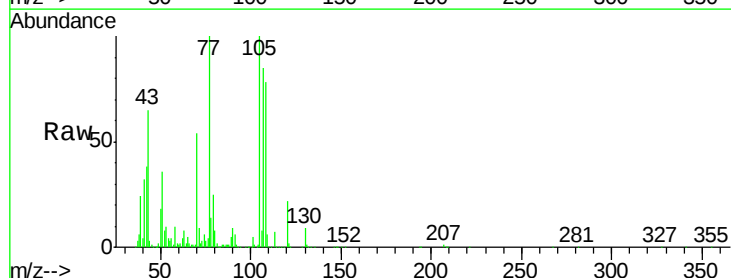
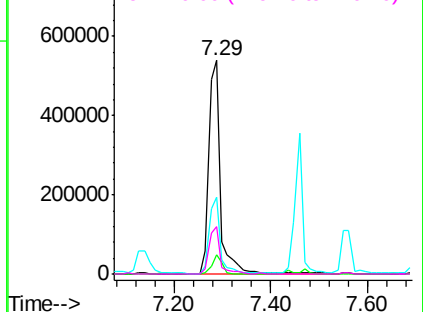
Abundance

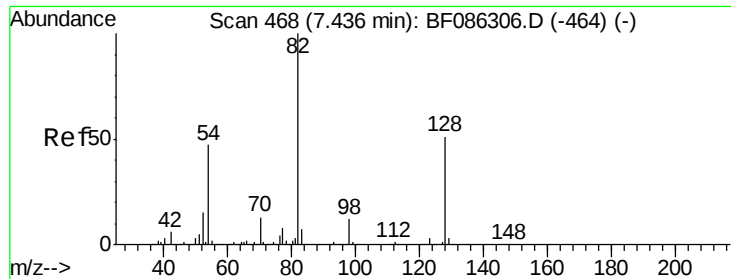
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





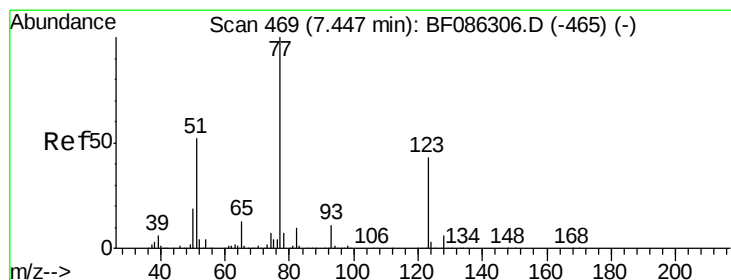
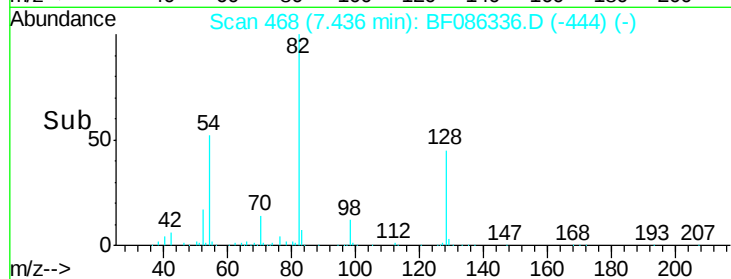
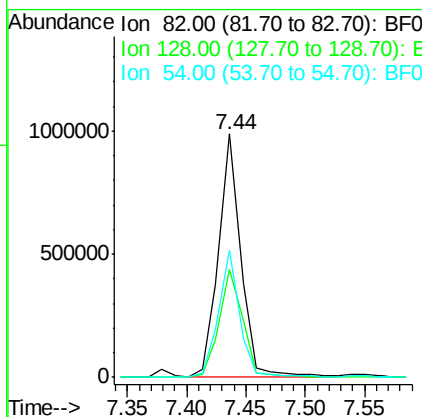
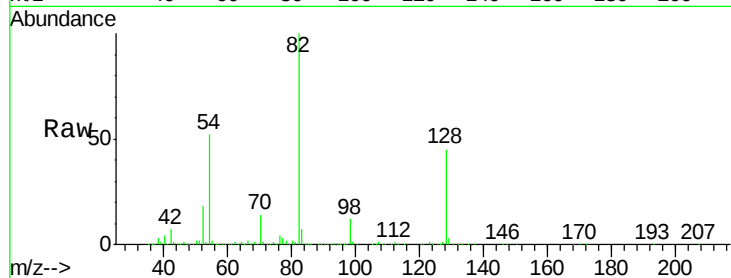
#23  
 Nitrobenzene-d5  
 Concen: 92.02 ng  
 RT: 7.44 min Scan# 468  
 Delta R.T. -0.02 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LCF-B2MSD

| Tot Ion | 82    | Resp  | 1291704 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 82      | 100   |       |         |
| 128     | 44.6  | 35.4  | 53.2    |
| 54      | 52.2  | 43.4  | 65.0    |

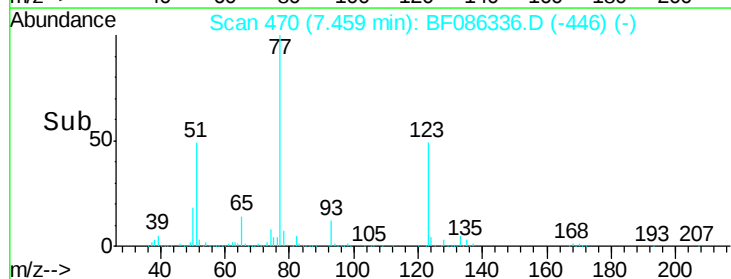
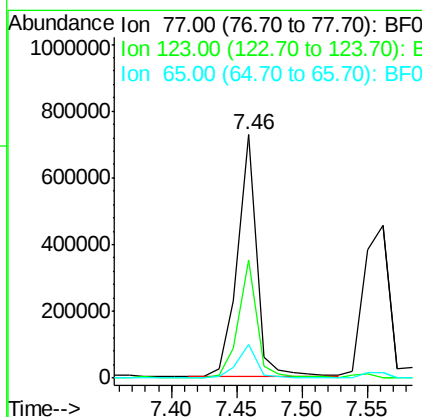
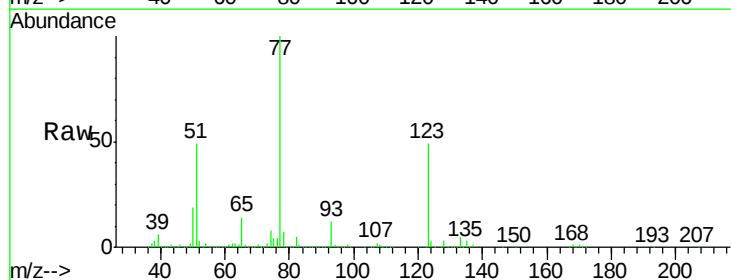
Manual Integrations  
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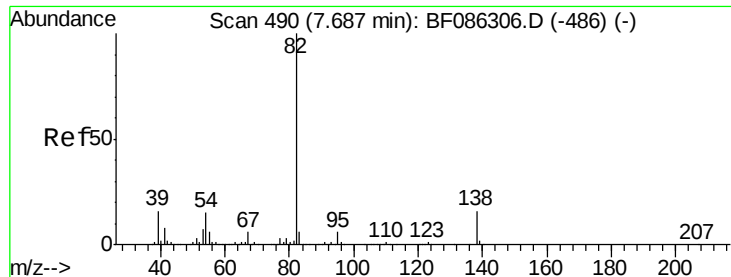
sohil  
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#24  
 Nitrobenzene  
 Concen: 49.17 ng  
 RT: 7.46 min Scan# 470  
 Delta R.T. -0.02 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

| Tgt Ion | 77    | Resp  | 738456 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 77      | 100   |       |        |
| 123     | 48.8  | 38.3  | 57.5   |
| 65      | 13.6  | 11.3  | 16.9   |





#25

Isophorone

Concen: 51.14 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

ClientSampleId :

LCF-B2MSD

Tot Ion: 82 Resp: 1360272

Ion Ratio Lower Upper

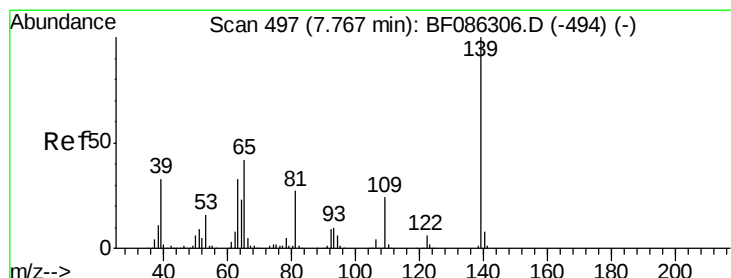
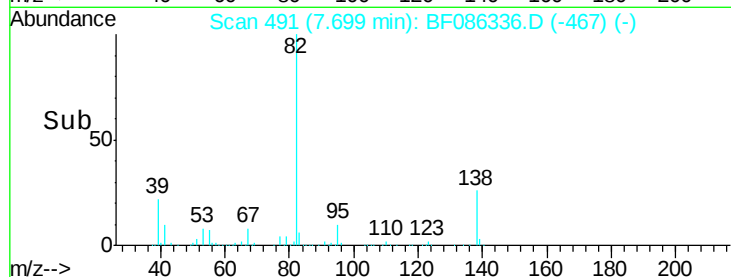
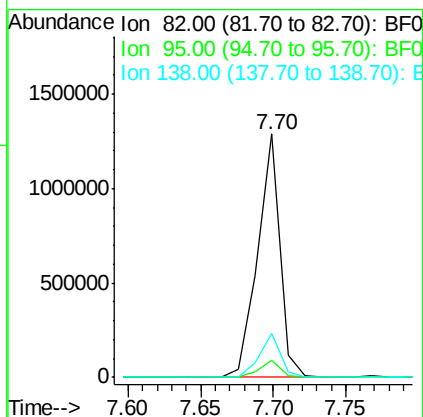
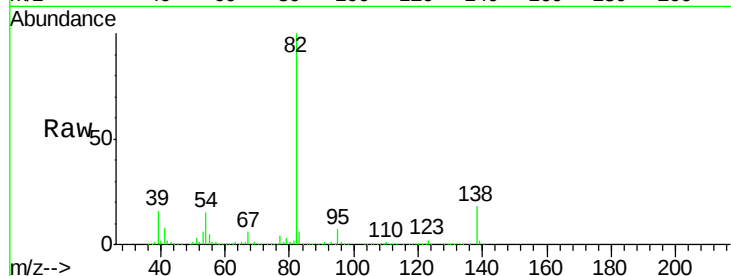
82 100

95 6.8 5.4 8.2

138 18.2 13.4 20.2

Manual Integrations  
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#26

2-Nitrophenol

Concen: 32.12 ng

RT: 7.77 min Scan# 497

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

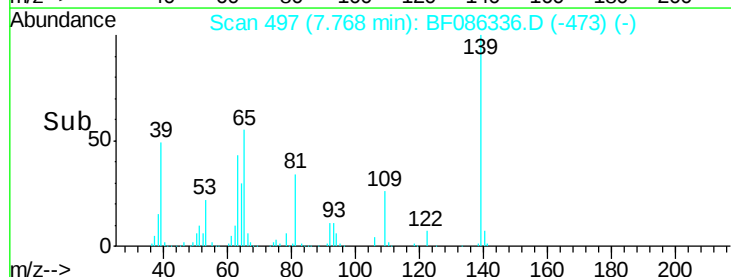
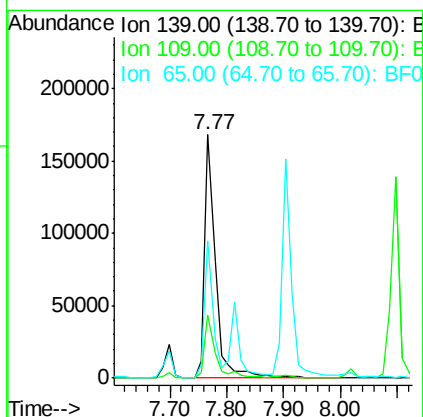
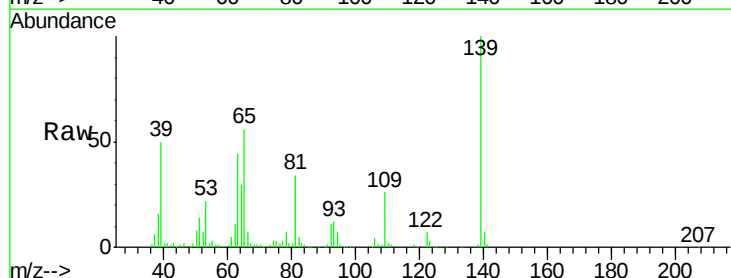
Tgt Ion: 139 Resp: 215797

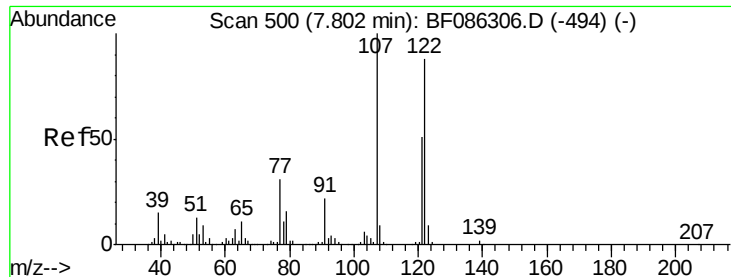
Ion Ratio Lower Upper

139 100

109 25.8 25.8 38.8#

65 56.4 50.2 75.2





#27

2,4-Dimethylphenol

Concen: 45.98 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

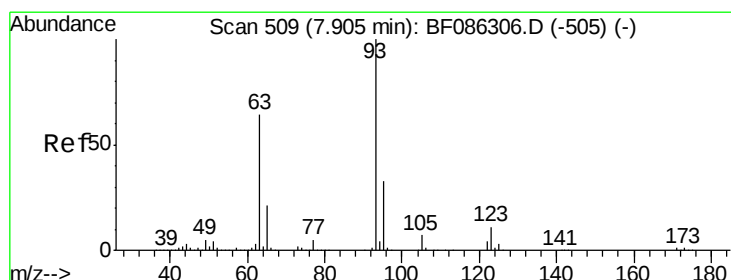
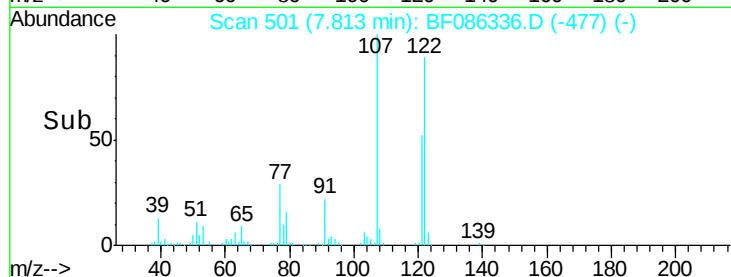
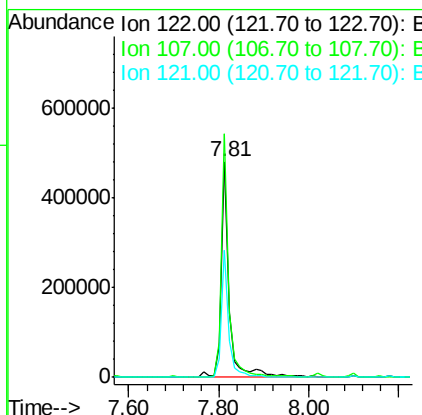
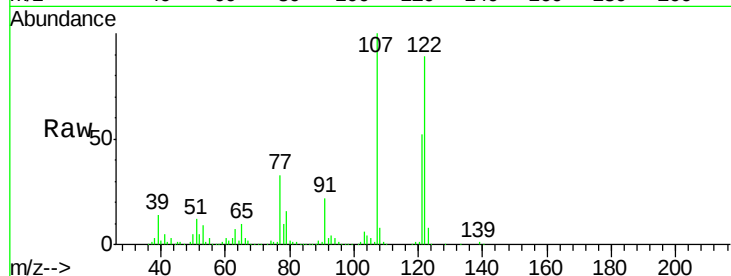
ClientSampleId :

LCF-B2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 605800 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 112.9 | 85.8  | 128.6  |
| 121       | 58.8  | 47.1  | 70.7   |

Manual Integrations  
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#28

bis(2-Chloroethoxy)methane

Concen: 54.72 ng

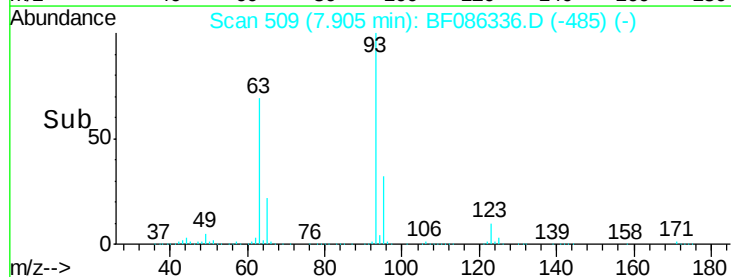
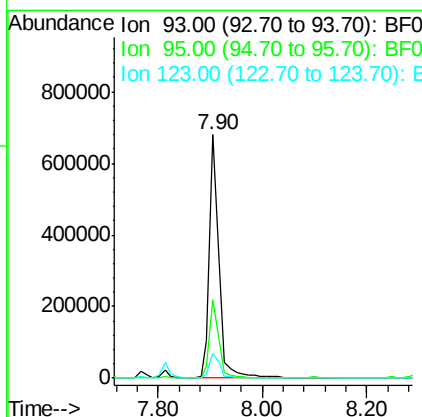
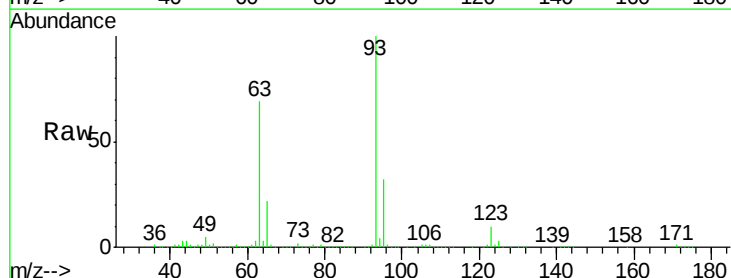
RT: 7.90 min Scan# 509

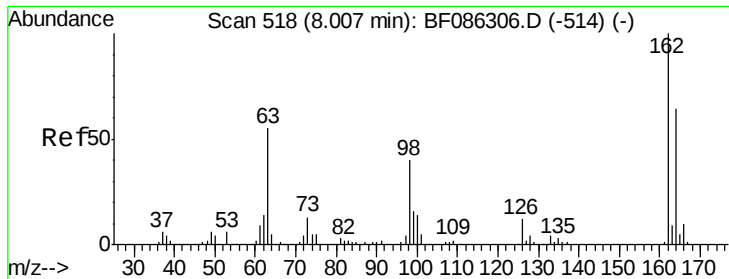
Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 851170 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 32.2  | 25.8  | 38.8   |
| 123       | 10.2  | 8.9   | 13.3   |





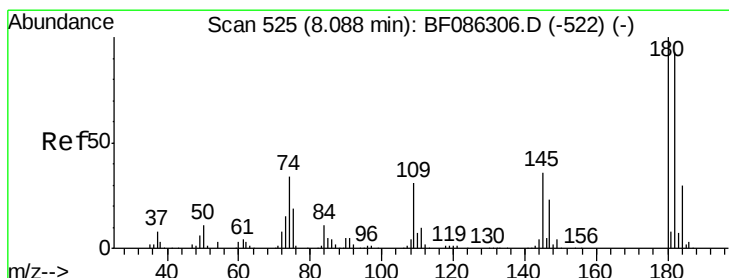
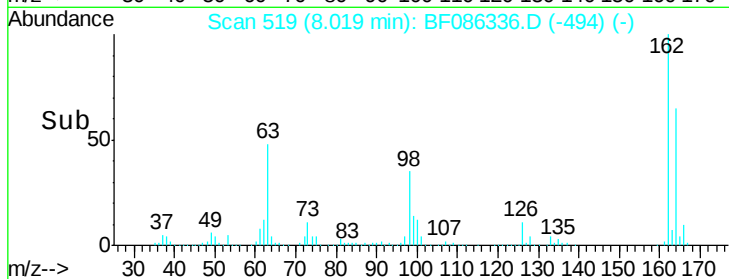
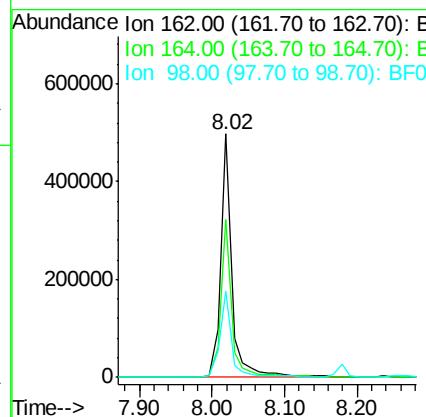
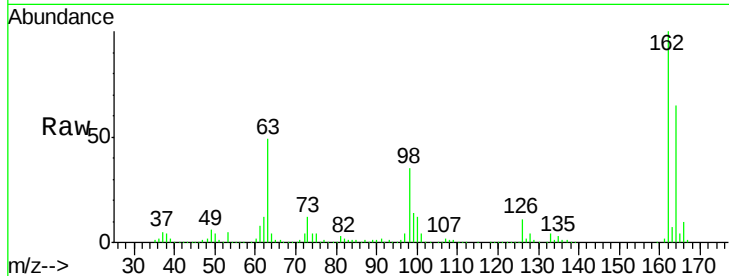
#29  
2,4-Dichlorophenol  
Concen: 51.38 ng  
RT: 8.02 min Scan# 519  
Delta R.T. -0.01 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

Instrument :  
BNA\_F  
ClientSampleId :  
LCF-B2MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 64.9  | 43.3       | 83.3  |
| 98      | 35.2  | 22.9       | 62.9  |

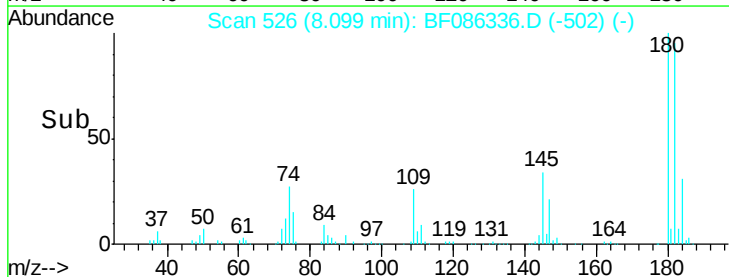
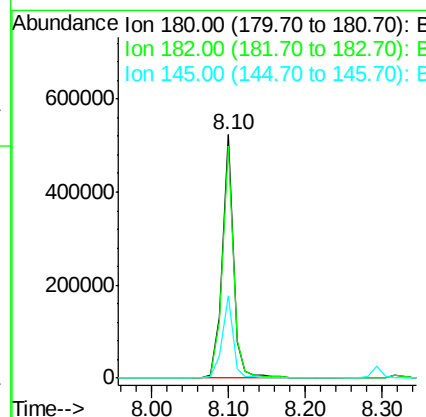
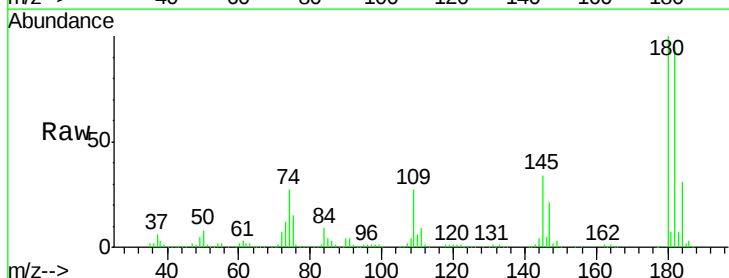
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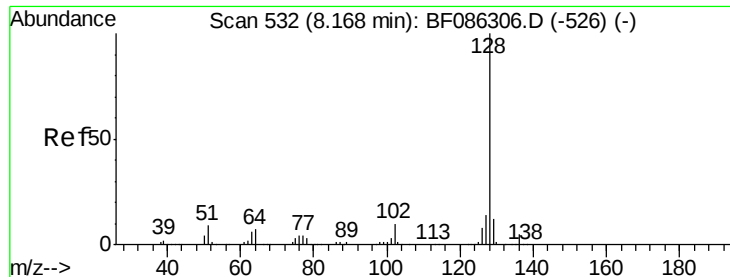
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#30  
1,2,4-Trichlorobenzene  
Concen: 47.48 ng  
RT: 8.10 min Scan# 526  
Delta R.T. -0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 95.4  | 76.3       | 114.5 |
| 145     | 33.8  | 27.4       | 41.2  |





#31

Naphthalene

Concen: 47.14 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

ClientSampleId :

LCF-B2MSD

Tot Ion:128 Resp: 1806439

Ion Ratio Lower Upper

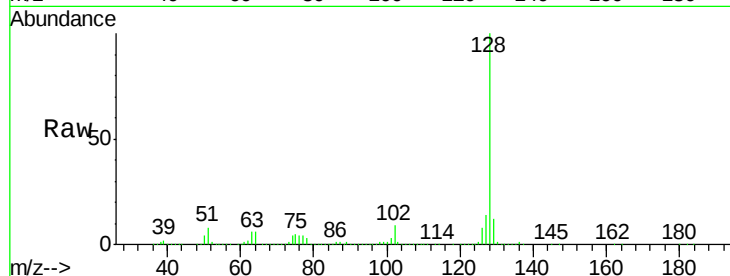
128 100

129 11.8 9.6 14.4

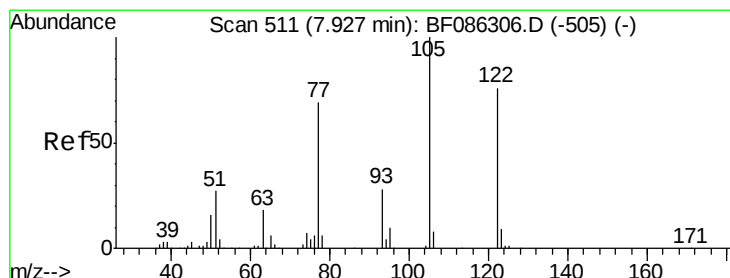
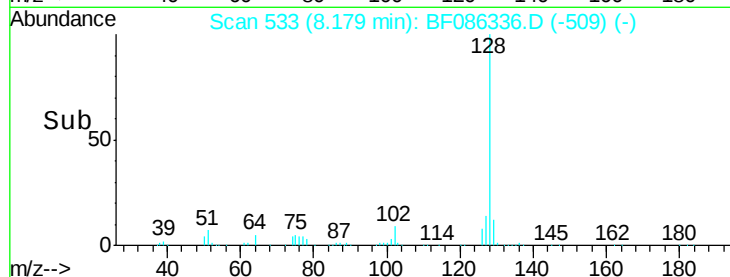
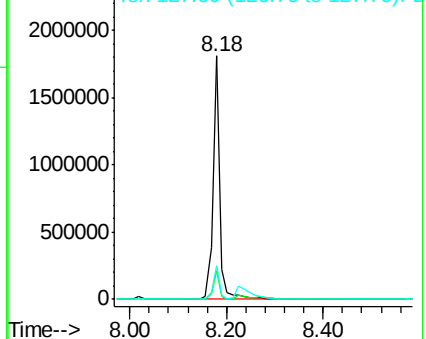
127 13.9 11.4 17.2

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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: 7.30 ng m

RT: 7.88 min Scan# 507

Delta R.T. -0.06 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

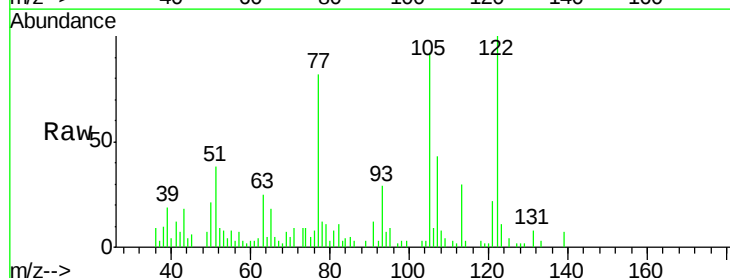
Tgt Ion:122 Resp: 57186

Ion Ratio Lower Upper

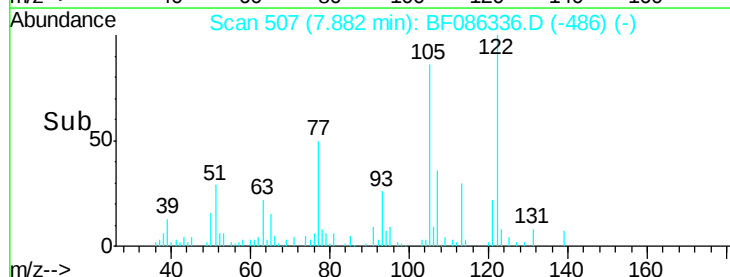
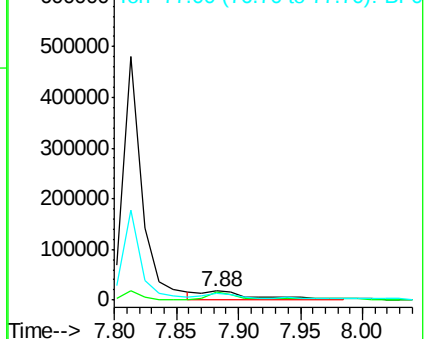
122 100

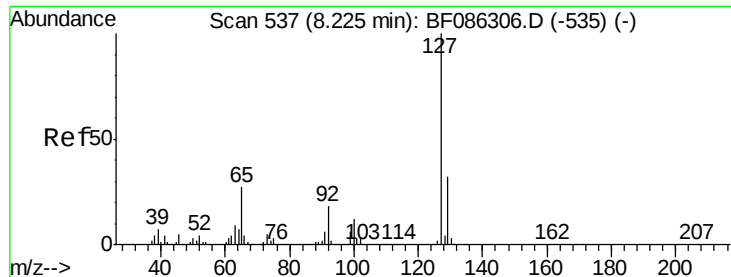
105 91.8 103.7 143.7#

77 81.8 74.9 114.9



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





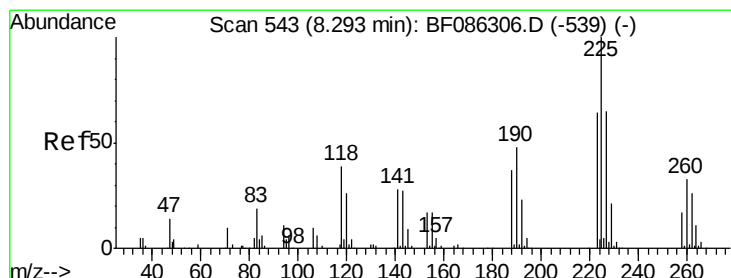
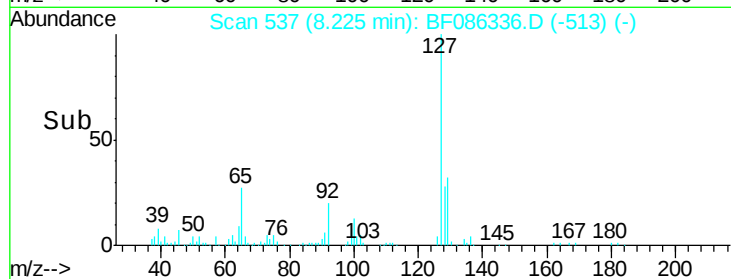
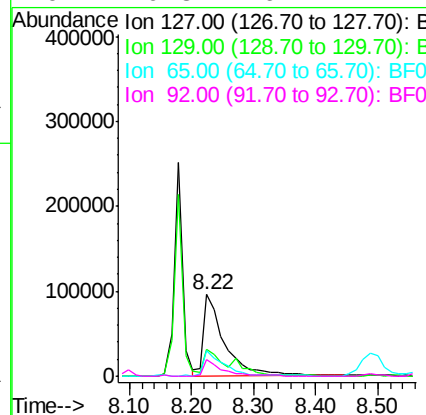
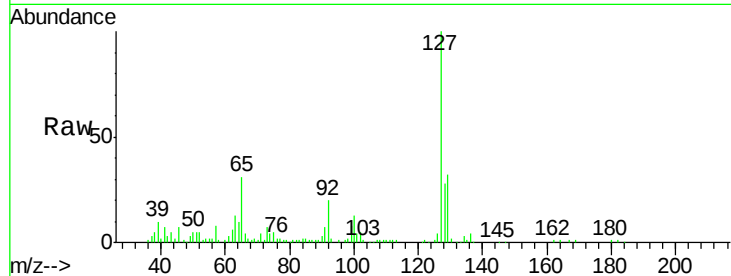
#33  
4-Chloroaniline  
Concen: 13.98 ng  
RT: 8.22 min Scan# 537  
Delta R.T. -0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

Instrument :  
BNA\_F  
ClientSampleId :  
LCF-B2MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 127     | 100  |       | 221797 |       |       |
| 129     | 32.3 | 26.8  | 40.2   |       |       |
| 65      | 31.4 | 27.1  | 40.7   |       |       |
| 92      | 20.3 | 16.2  | 24.2   |       |       |

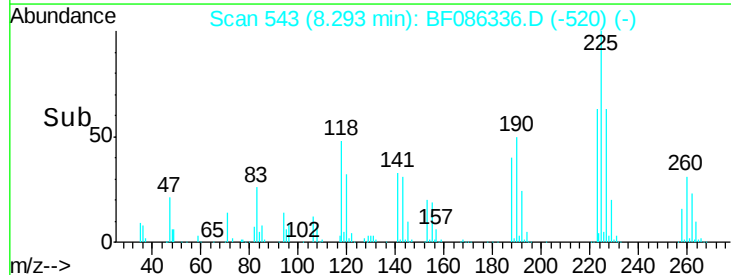
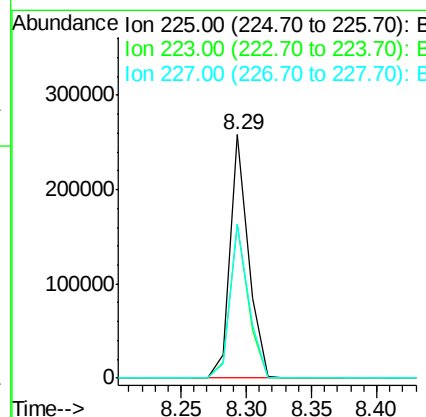
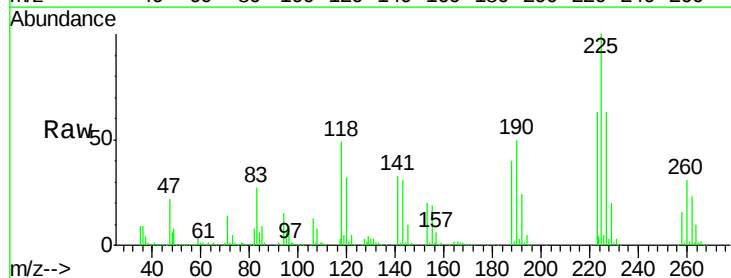
Manual Integrations  
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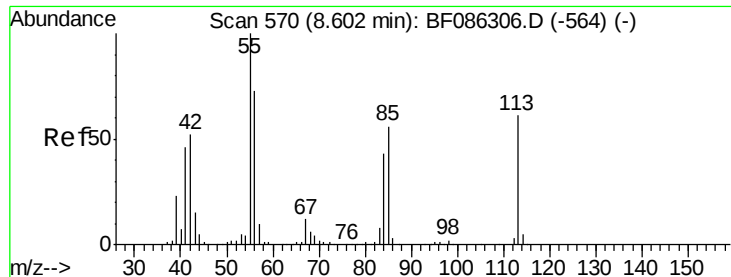
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#34  
Hexachlorobutadiene  
Concen: 45.09 ng  
RT: 8.29 min Scan# 543  
Delta R.T. -0.03 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 254710 |       |       |
| 223     | 63.4 | 49.4  | 74.0   |       |       |
| 227     | 63.0 | 51.1  | 76.7   |       |       |





#35

Caprolactam

Concen: 52.31 ng

RT: 8.60 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

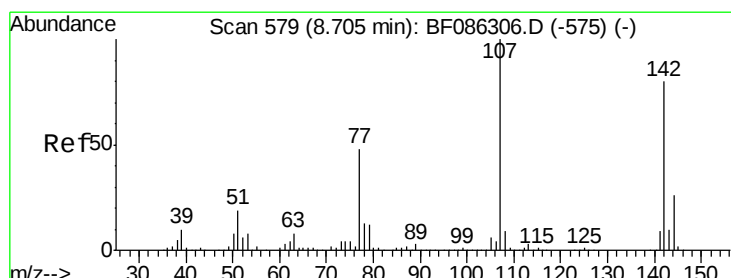
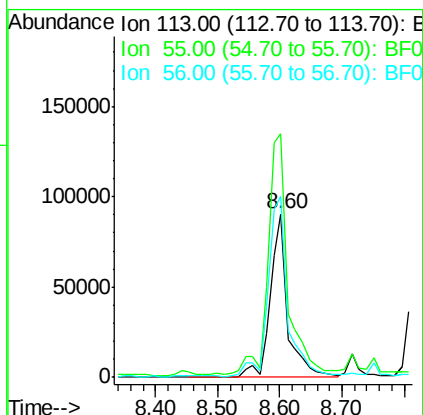
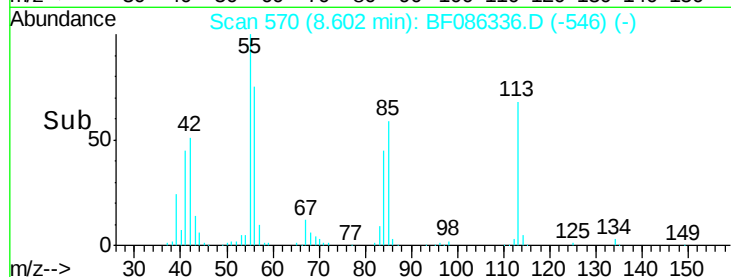
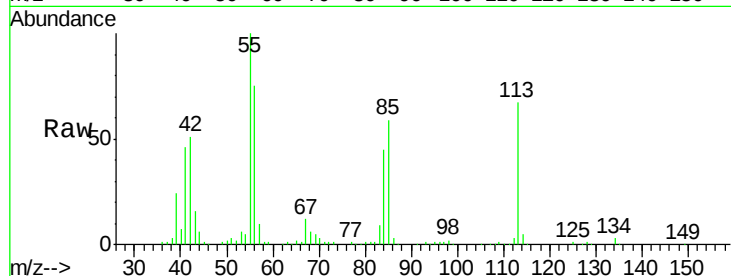
ClientSampleId :

LCF-B2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 176006 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 149.0 | 117.5 | 157.5  |
| 56        | 111.1 | 82.5  | 122.5  |

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#36

4-Chloro-3-methylphenol

Concen: 45.31 ng

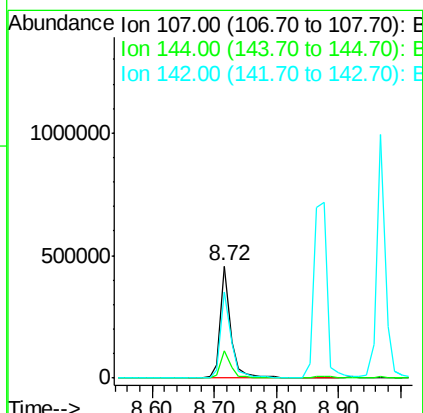
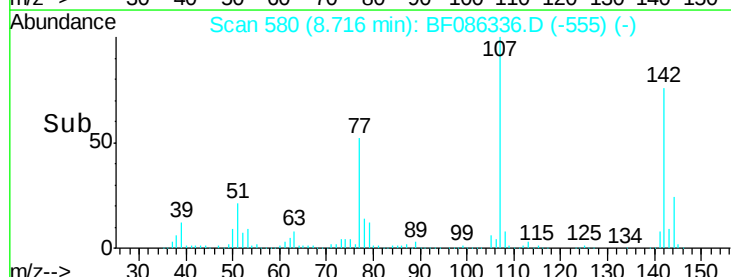
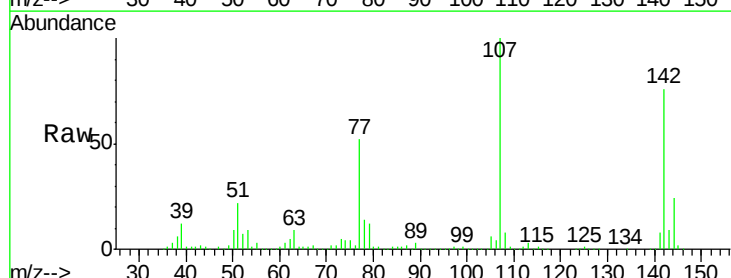
RT: 8.72 min Scan# 580

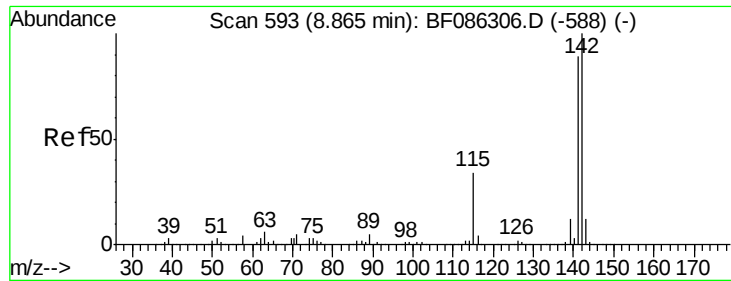
Delta R.T. -0.01 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 529327 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 24.4  | 20.7  | 31.1   |
| 142       | 76.4  | 64.5  | 96.7   |





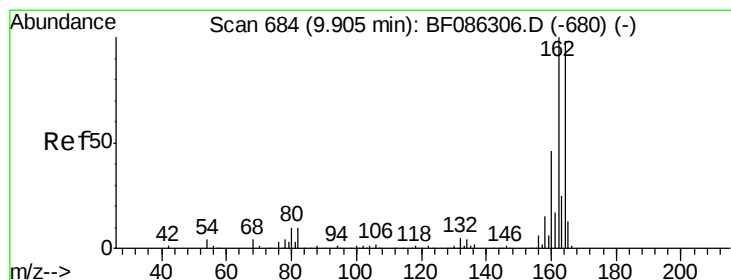
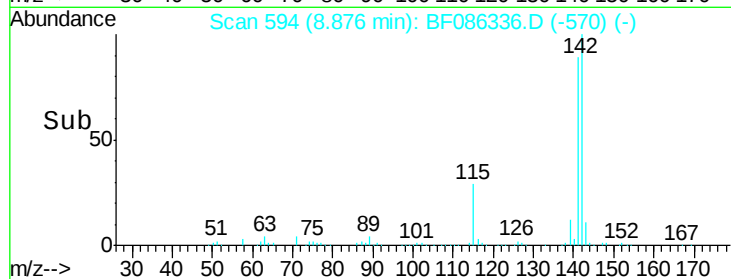
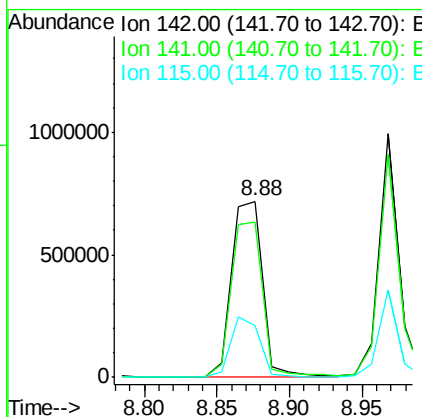
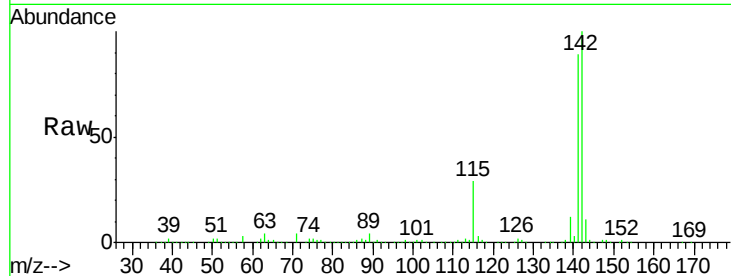
#37  
2-Methylnaphthalene  
Concen: 45.27 ng  
RT: 8.88 min Scan# 594  
Delta R.T. -0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

Instrument :  
BNA\_F  
ClientSampled :  
LCF-B2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.5  | 71.1  | 106.7 |
| 115     | 29.1  | 25.1  | 37.7  |

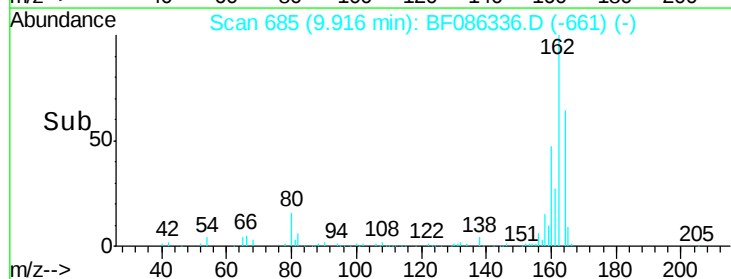
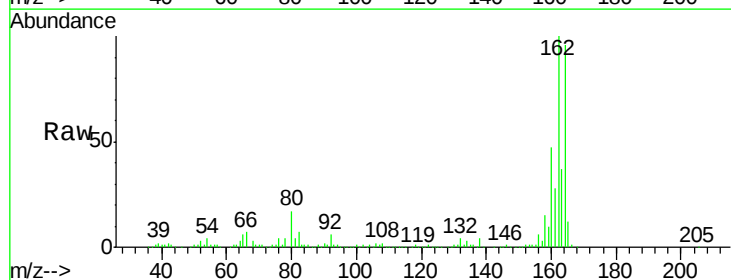
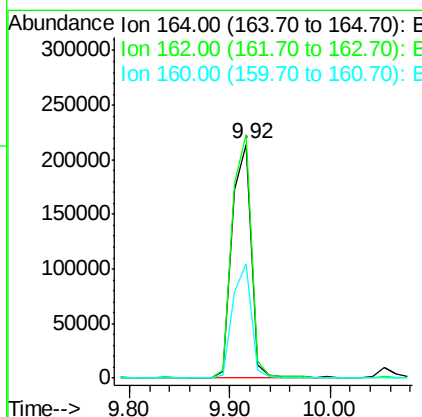
Manual Integrations  
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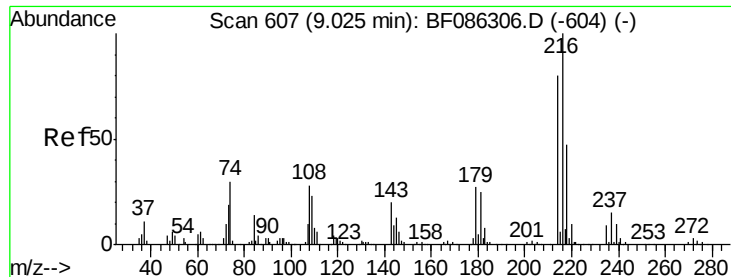
sohil  
4/21/2016 7:12:30 PM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.92 min Scan# 685  
Delta R.T. -0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.3 | 82.8  | 124.2 |
| 160     | 48.8  | 38.9  | 58.3  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 55.15 ng

RT: 9.04 min Scan# 608

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

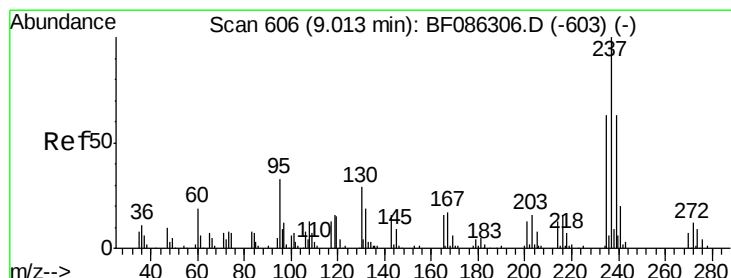
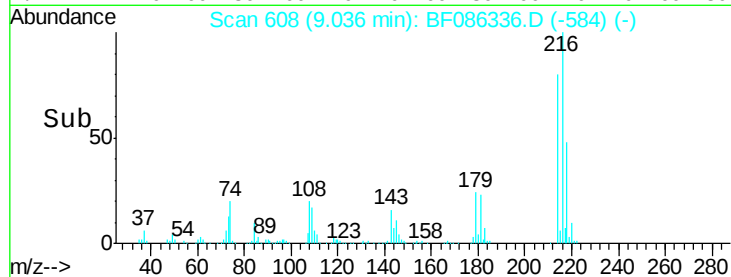
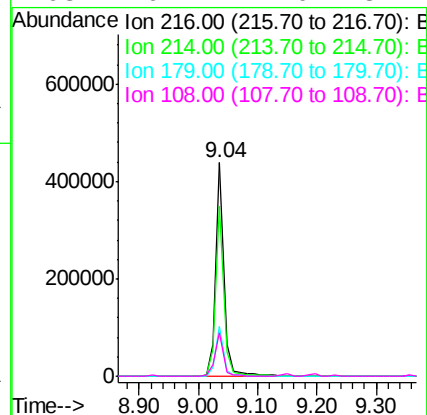
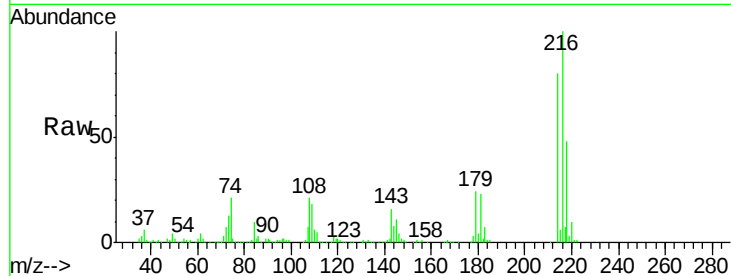
ClientSampled :

LCF-B2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 216   | Resp: | 419329 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 79.2  | 64.9  | 97.3   |
| 179       | 23.4  | 19.8  | 29.6   |
| 108       | 20.7  | 21.0  | 31.4   |

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#40

Hexachlorocyclopentadiene

Concen: 11.53 ng

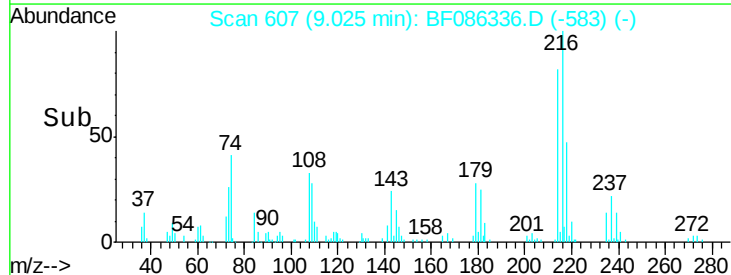
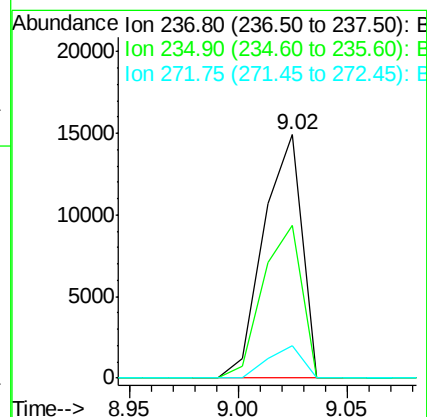
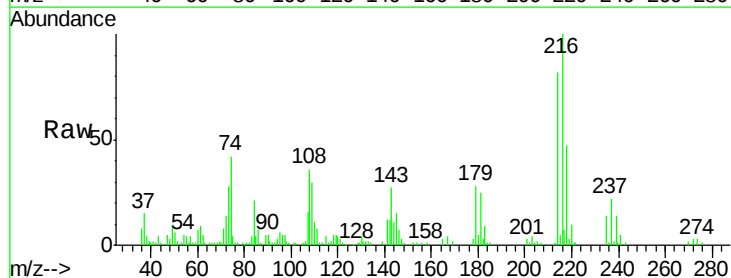
RT: 9.02 min Scan# 607

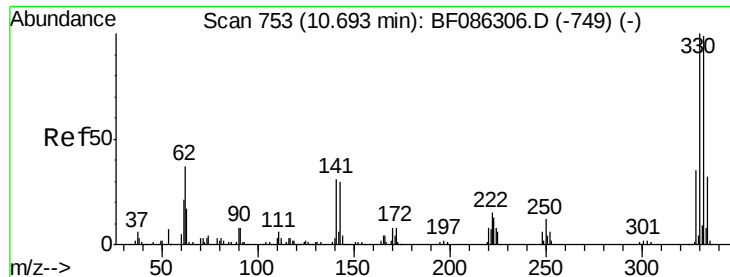
Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 237   | Resp: | 18394 |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 62.6  | 44.0  | 84.0  |
| 272       | 13.6  | 0.0   | 32.4  |





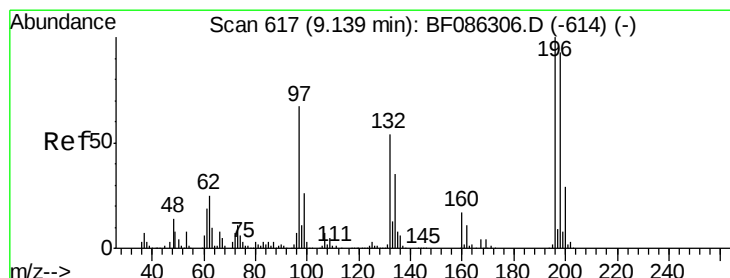
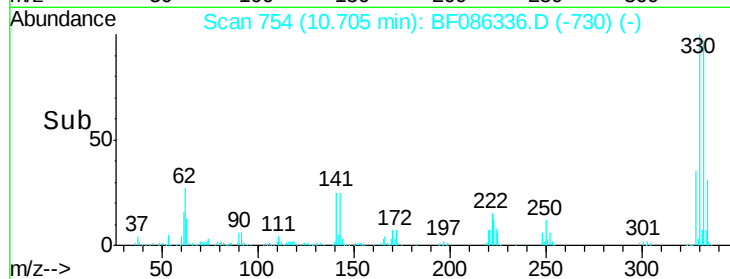
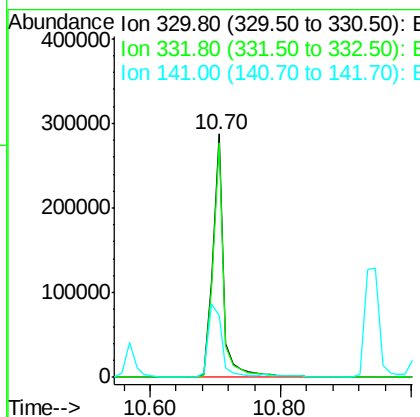
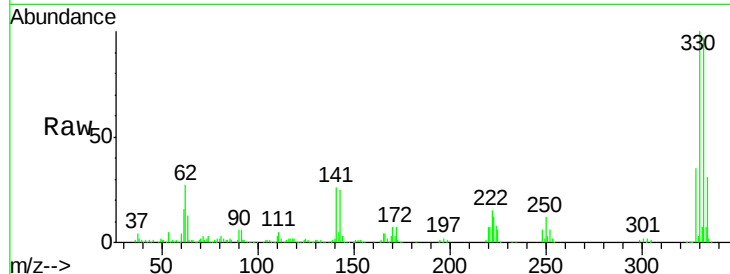
#41  
 2,4,6-Tribromophenol  
 Concen: 153.25 ng  
 RT: 10.70 min Scan# 754  
 Delta R.T. -0.02 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LCF-B2MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 341222 |       |       |
| 332     | 95.8  | 78.7   | 118.1 |       |
| 141     | 38.5  | 28.6   | 42.8  |       |

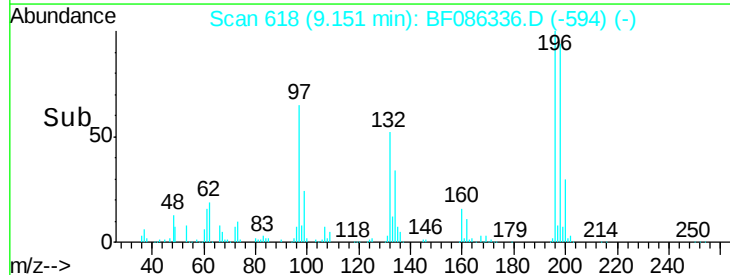
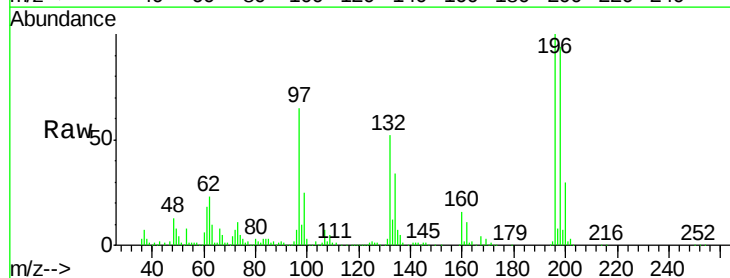
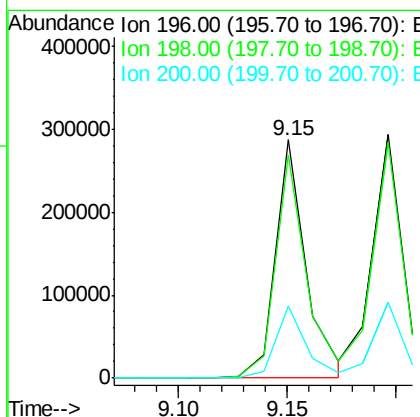
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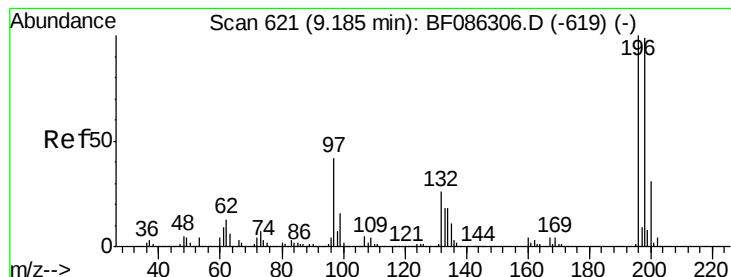
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#42  
 2,4,6-Trichlorophenol  
 Concen: 53.71 ng  
 RT: 9.15 min Scan# 618  
 Delta R.T. -0.02 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 283318 |       |       |
| 198     | 93.9  | 76.6   | 115.0 |       |
| 200     | 30.3  | 25.3   | 37.9  |       |





#43

2,4,5-Trichlorophenol

Concen: 53.68 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.01 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

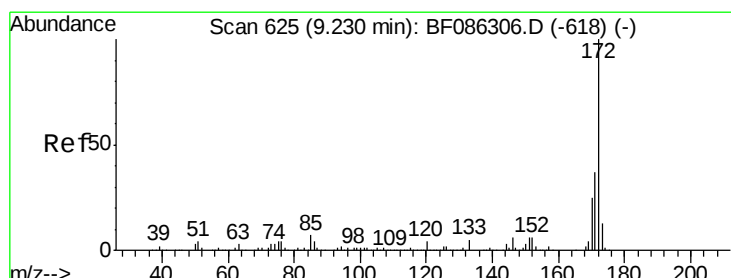
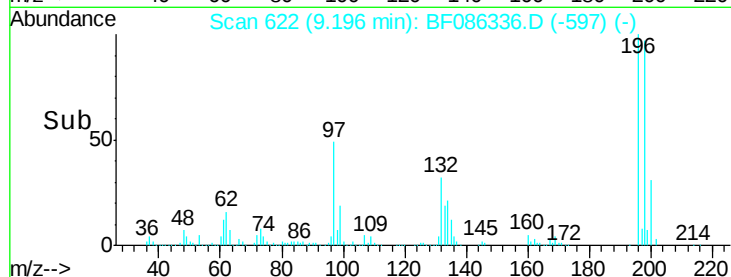
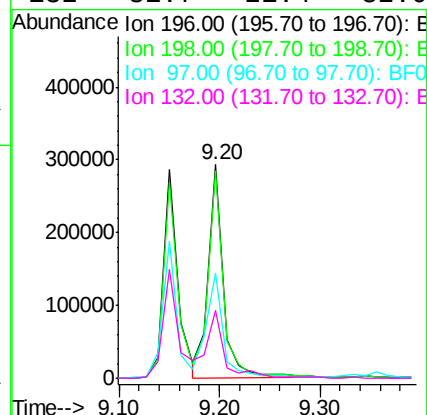
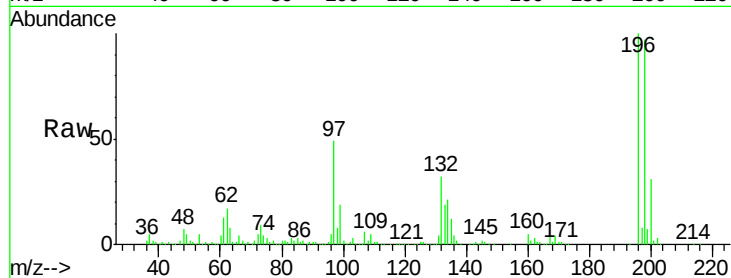
ClientSampleId :

LCF-B2MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 196     | 100  |       | 308403 |       |       |
| 198     | 97.0 | 77.7  | 116.5  |       |       |
| 97      | 49.1 | 32.6  | 48.8   |       |       |
| 132     | 31.7 | 21.4  | 32.0   |       |       |

Manual Integrations  
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#44

2-Fluorobiphenyl

Concen: 122.15 ng

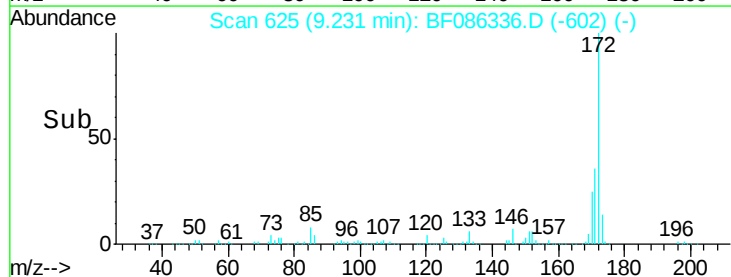
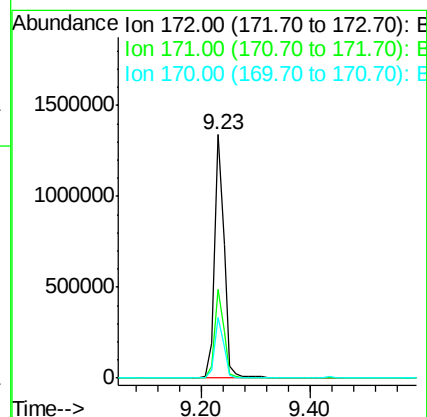
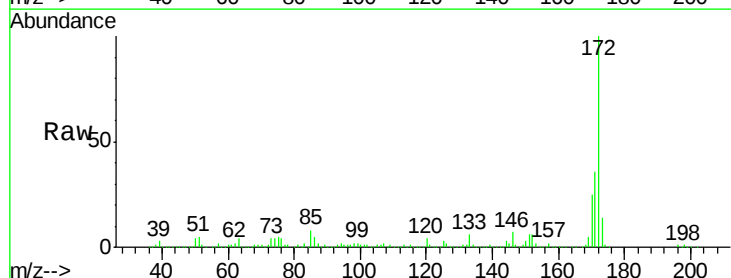
RT: 9.23 min Scan# 625

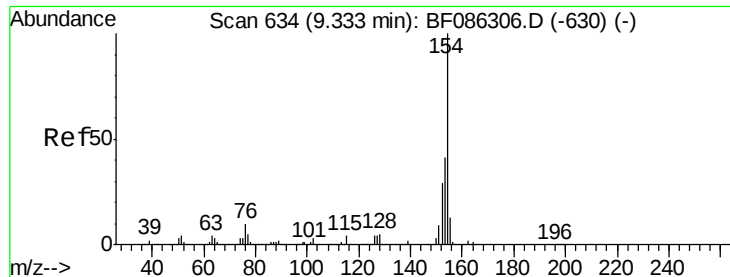
Delta R.T. -0.03 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 172     | 100  |       | 1664308 |       |       |
| 171     | 36.4 | 29.1  | 43.7    |       |       |
| 170     | 25.0 | 19.9  | 29.9    |       |       |





#45

1,1'-Biphenyl

Concen: 52.81 ng

RT: 9.33 min Scan# 634

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

ClientSampleId :

LCF-B2MSD

Tot Ion:154 Resp: 1184728

Ion Ratio Lower Upper

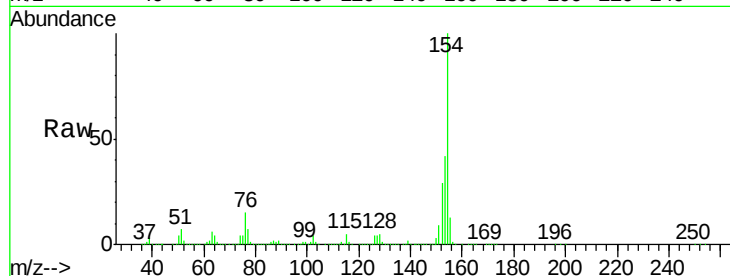
154 100

153 41.7 21.3 61.3

76 14.8 0.0 36.4

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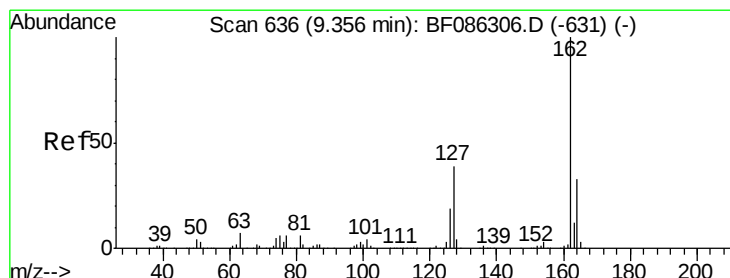
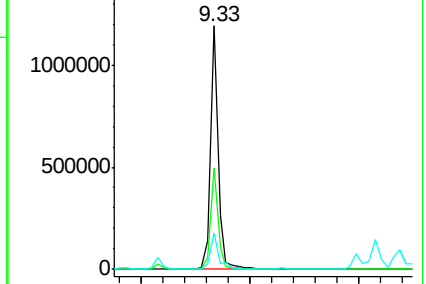
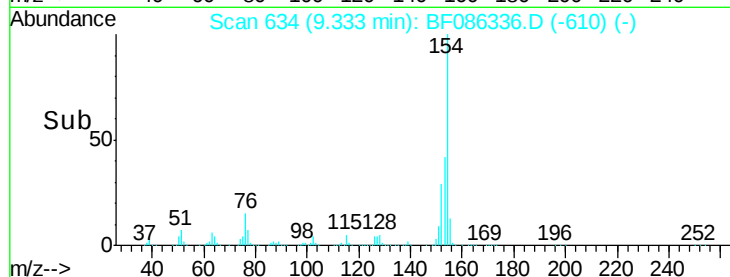
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#46

2-Chloronaphthalene

Concen: 52.77 ng

RT: 9.36 min Scan# 636

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

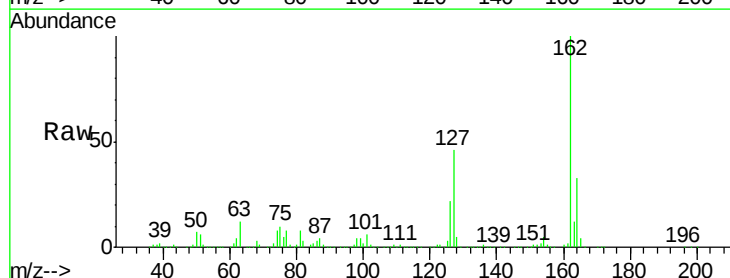
Tgt Ion:162 Resp: 897198

Ion Ratio Lower Upper

162 100

127 45.8 36.7 55.1

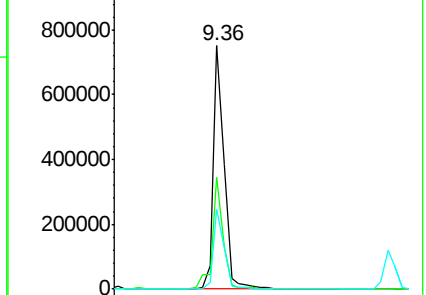
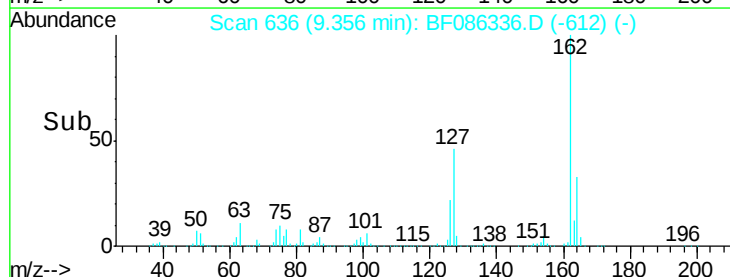
164 32.8 26.4 39.6

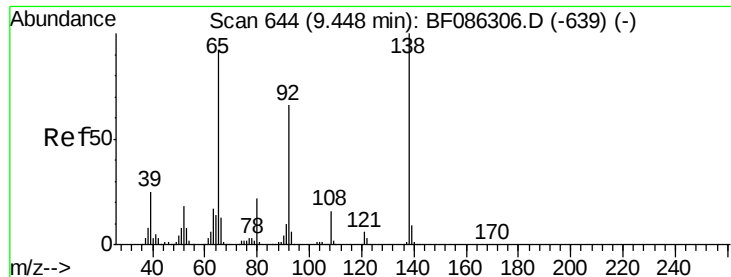


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





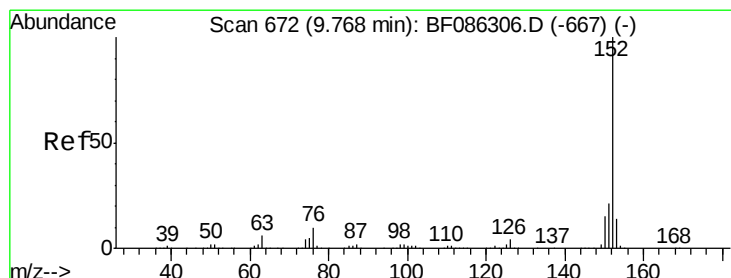
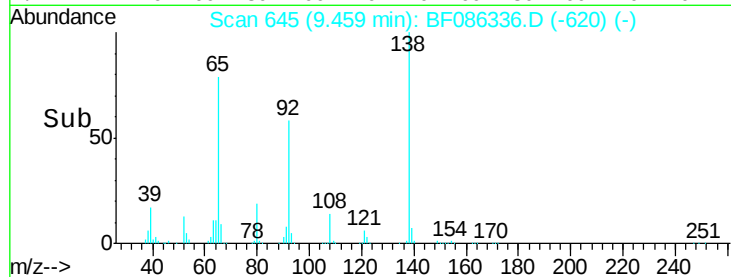
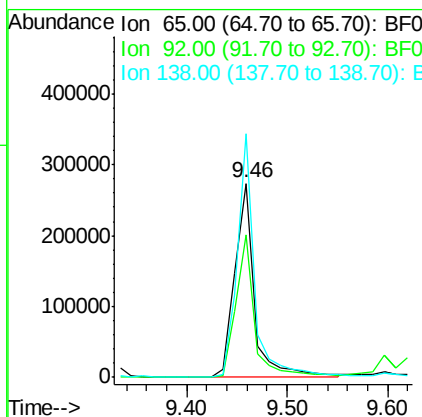
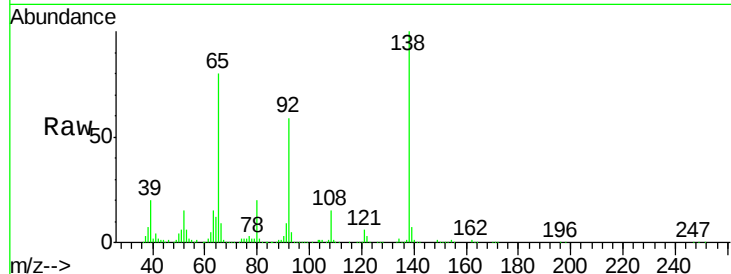
#47  
2-Nitroaniline  
Concen: 64.14 ng  
RT: 9.46 min Scan# 645  
Delta R.T. -0.01 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

Instrument :  
BNA\_F  
ClientSampleId :  
LCF-B2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 73.5  | 51.9  | 77.9  |
| 138     | 125.4 | 72.6  | 108.8 |

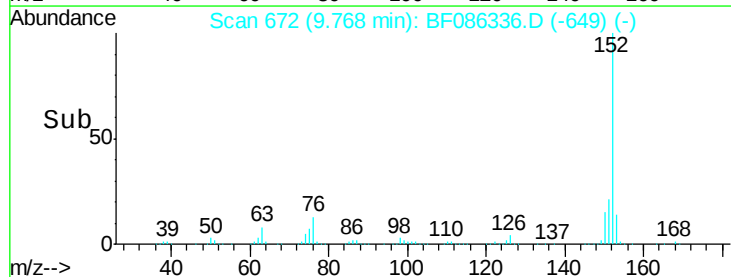
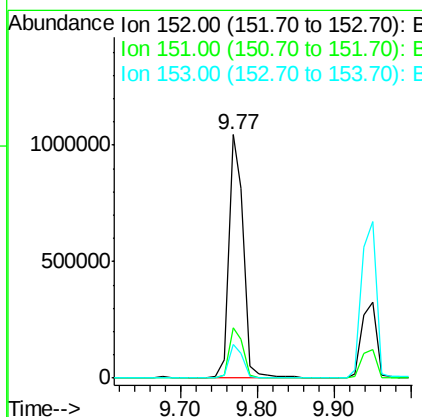
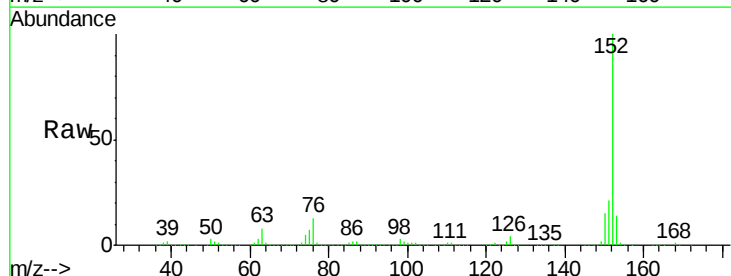
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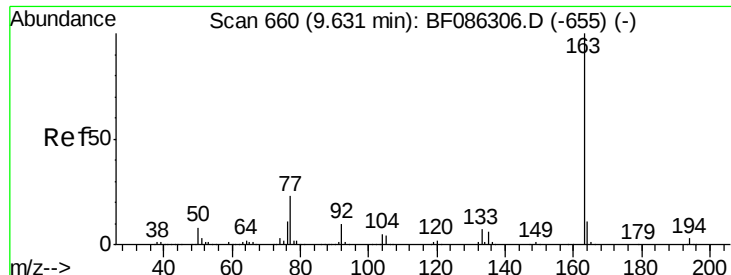
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4/21/2016 7:12:30 PM



#48  
Acenaphthylene  
Concen: 52.96 ng  
RT: 9.77 min Scan# 672  
Delta R.T. -0.03 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.6  | 17.2  | 25.8  |
| 153     | 13.7  | 10.7  | 16.1  |





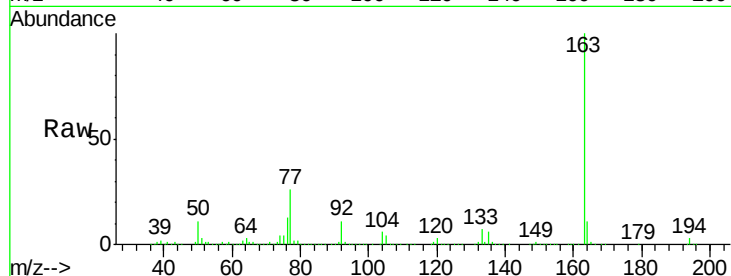
#49  
Dimethylphthalate  
Concen: 68.71 ng  
RT: 9.63 min Scan# 660  
Delta R.T. -0.03 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

Instrument :  
BNA\_F  
ClientSampleId :  
LCF-B2MSD

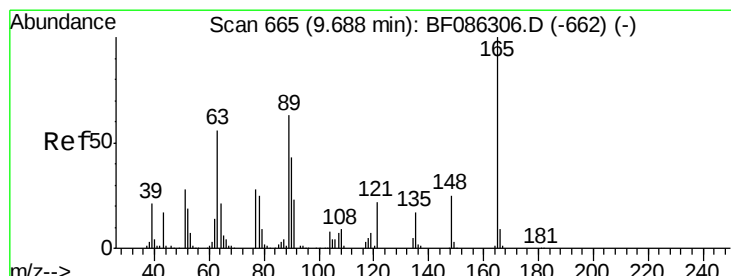
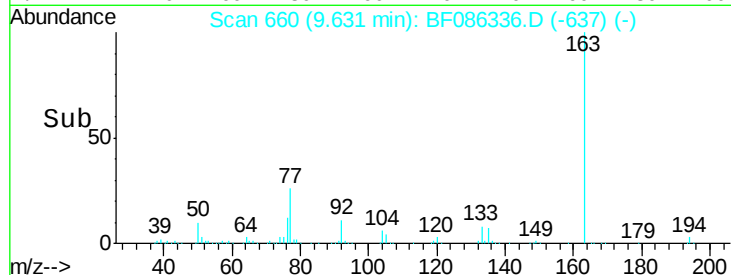
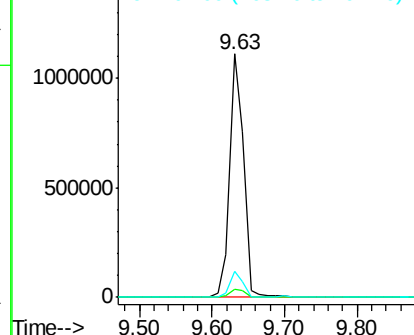
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.2   | 2.8   | 4.2   |
| 164     | 10.8  | 8.4   | 12.6  |

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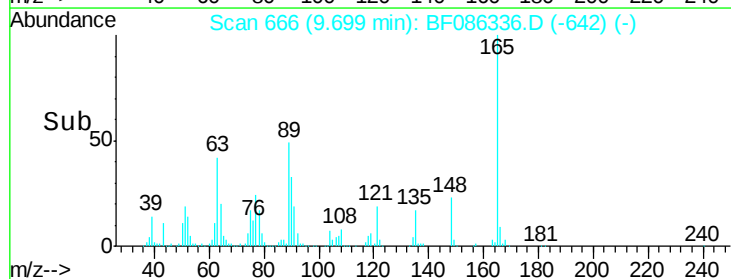
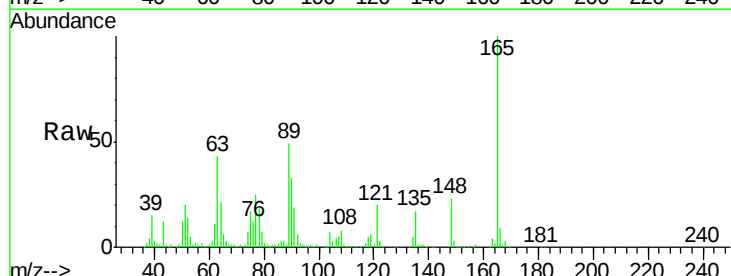
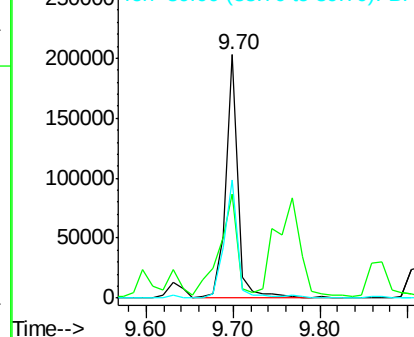
Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

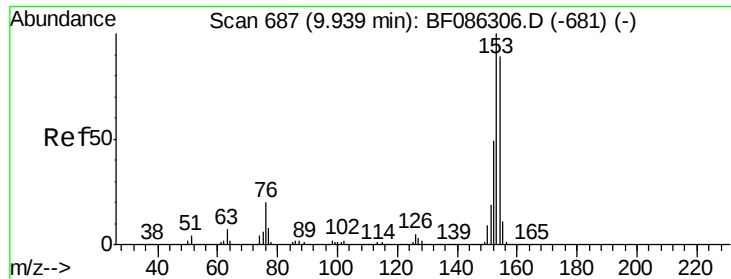


#50  
2,6-Dinitrotoluene  
Concen: 44.91 ng  
RT: 9.70 min Scan# 666  
Delta R.T. -0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 42.5  | 35.1  | 52.7  |
| 89      | 48.6  | 39.8  | 59.6  |

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





#51

Acenaphthene

Concen: 51.89 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

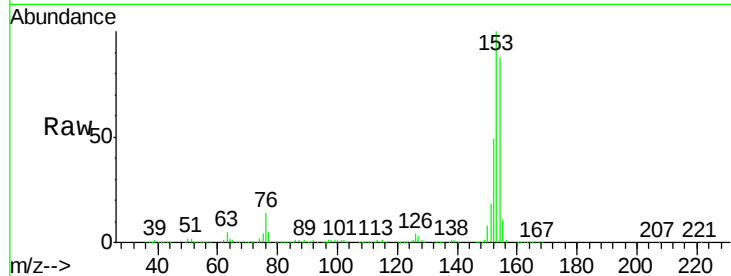
ClientSampleId :

LCF-B2MSD

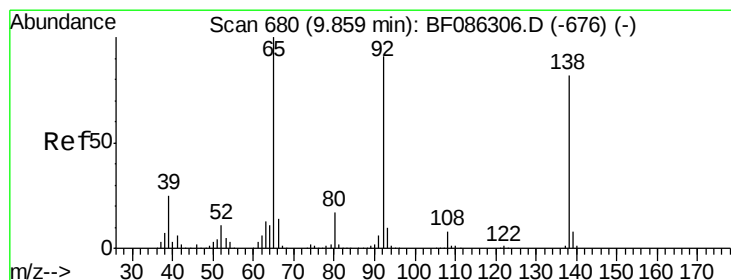
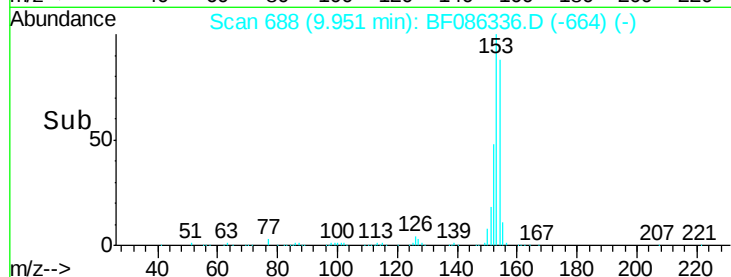
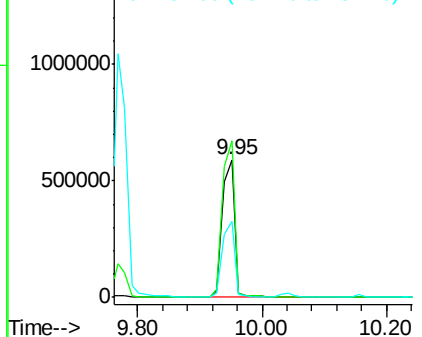
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 808073 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 113.3 | 90.0  | 135.0  |
| 152       | 55.3  | 44.3  | 66.5   |

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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: 56.46 ng

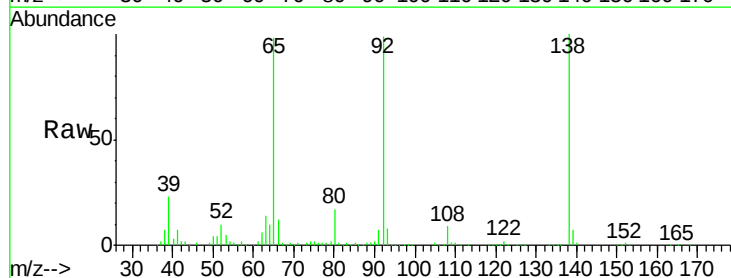
RT: 9.87 min Scan# 681

Delta R.T. -0.01 min

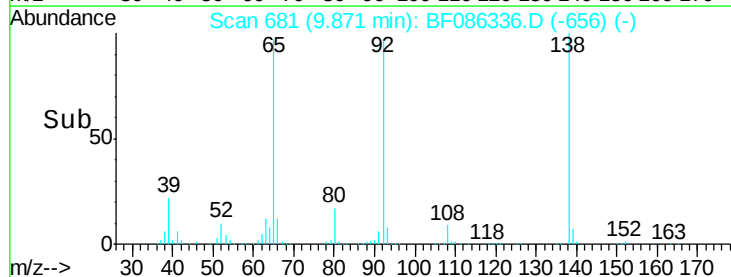
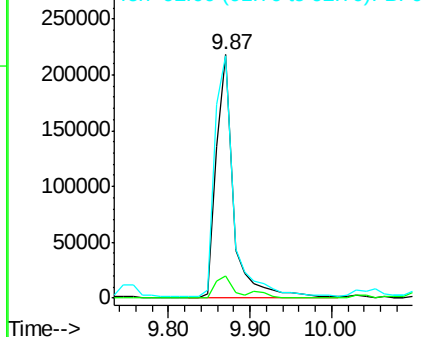
Lab File: BF086336.D

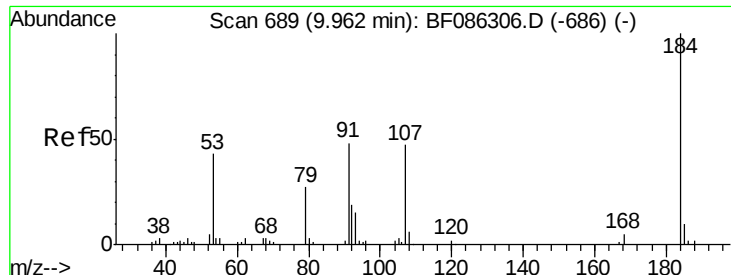
Acq: 21 Apr 2016 4:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 321353 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 9.3   | 9.0   | 13.4   |
| 92        | 99.3  | 99.3  | 148.9  |



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





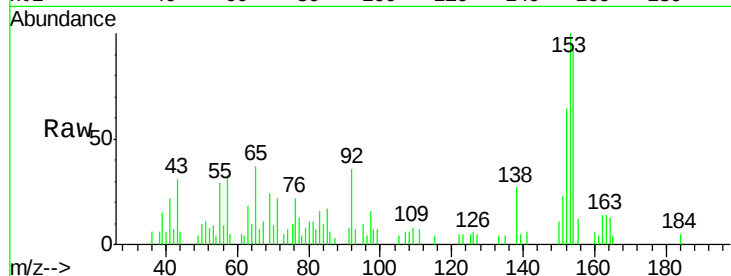
#53  
2,4-Dinitrophenol  
Concen: 7.18 ng  
RT: 9.97 min Scan# 690  
Delta R.T. -0.01 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

Instrument :  
BNA\_F  
ClientSampleId :  
LCF-B2MSD

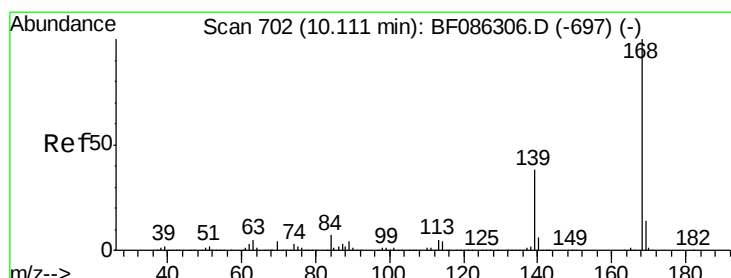
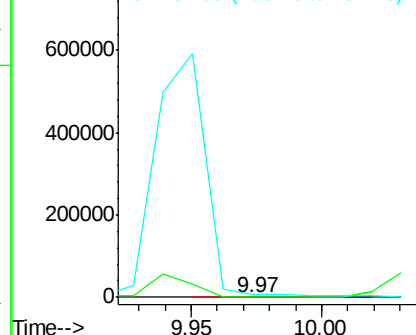
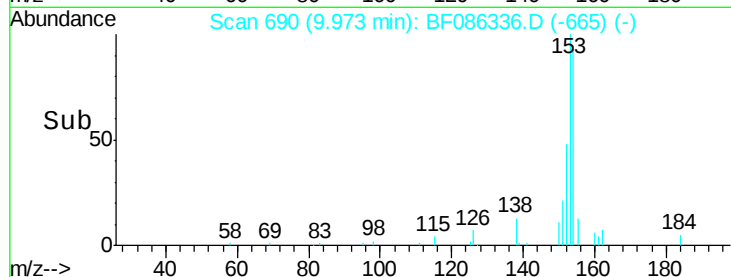
Tot Ion:184 Resp: 552  
Ion Ratio Lower Upper  
184 100  
63 371.5 64.7 97.1#  
154 1939.1 59.4 89.2

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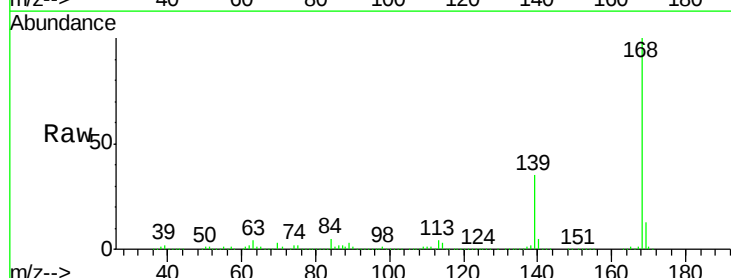


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

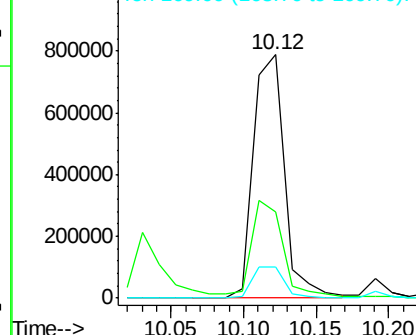
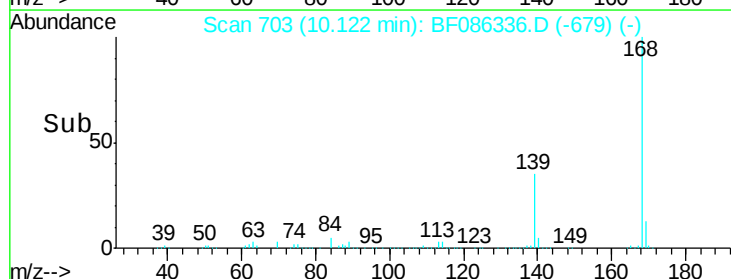


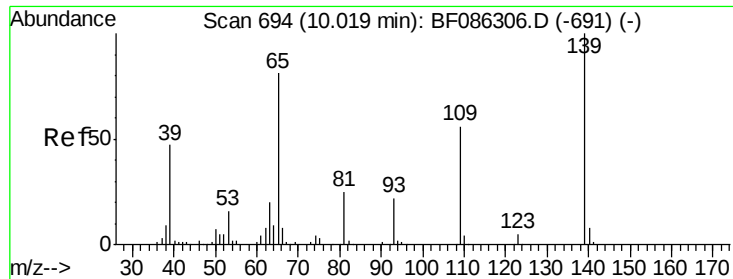
#54  
Dibenzofuran  
Concen: 55.38 ng  
RT: 10.12 min Scan# 703  
Delta R.T. -0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

Tgt Ion:168 Resp: 1172768  
Ion Ratio Lower Upper  
168 100  
139 35.4 29.5 44.3  
169 13.0 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 88.35 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

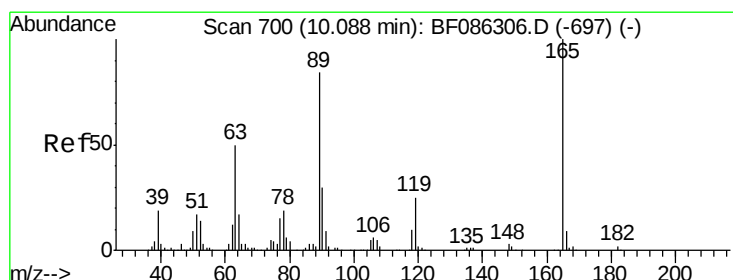
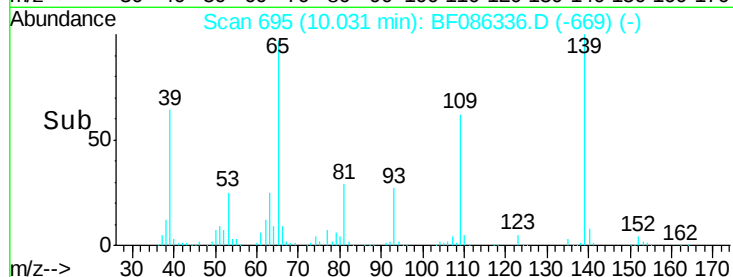
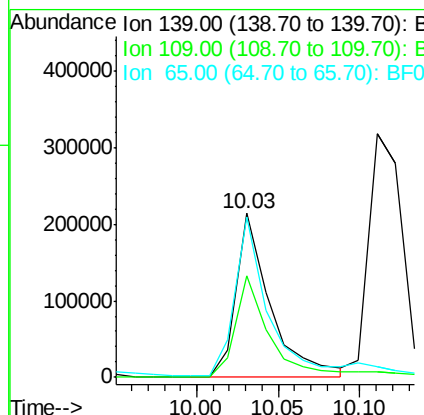
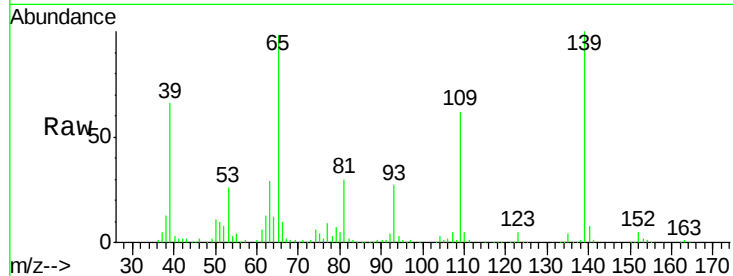
ClientSampleId :

LCF-B2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 139   | Resp: | 311785 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 62.2  | 55.0  | 95.0   |
| 65        | 98.1  | 87.3  | 127.3  |

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#56

2,4-Dinitrotoluene

Concen: 37.38 ng

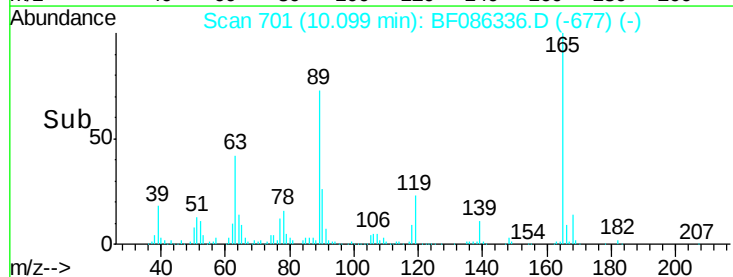
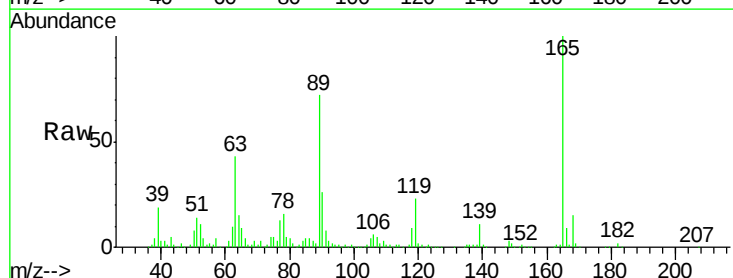
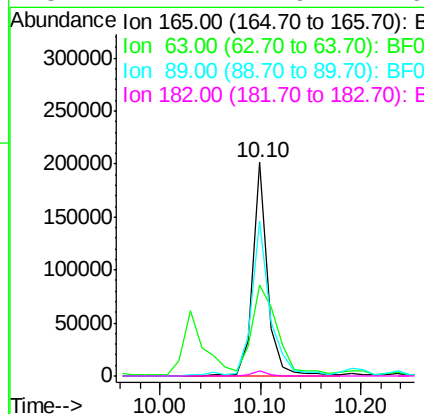
RT: 10.10 min Scan# 701

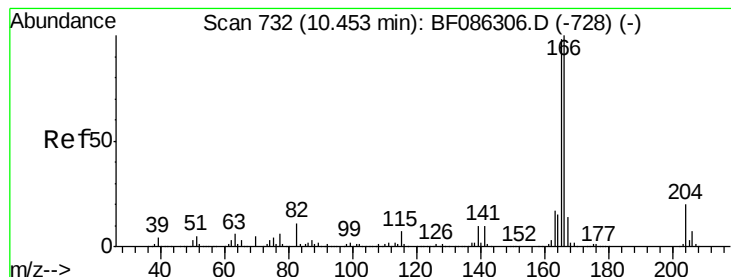
Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 207951 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 42.7  | 26.6  | 40.0#  |
| 89        | 72.5  | 49.5  | 74.3   |
| 182       | 2.4   | 1.9   | 2.9    |





#57

Fluorene

Concen: 50.36 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

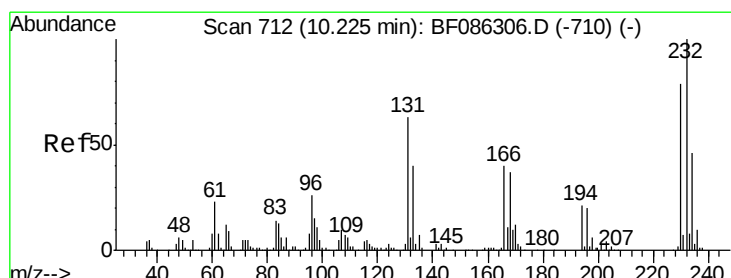
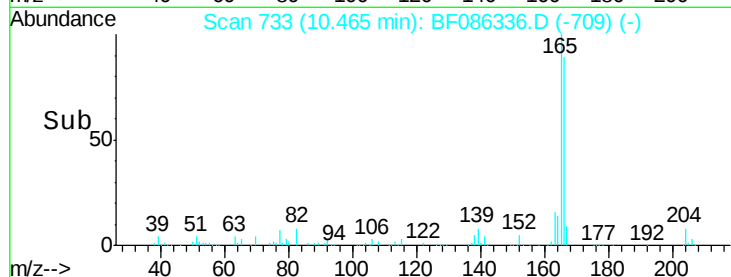
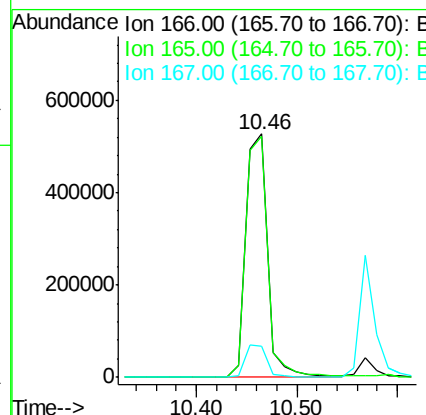
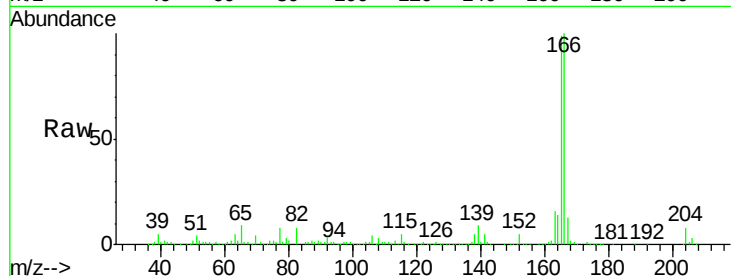
ClientSampleId :

LCF-B2MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 166  | Resp: | 790160 |
| Ion Ratio |      | Lower | Upper  |
| 166       | 100  |       |        |
| 165       | 98.8 | 78.6  | 117.8  |
| 167       | 12.9 | 10.4  | 15.6   |

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#58

2,3,4,6-Tetrachlorophenol

Concen: 59.44 ng

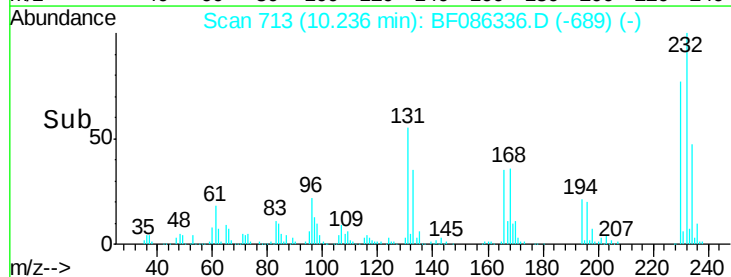
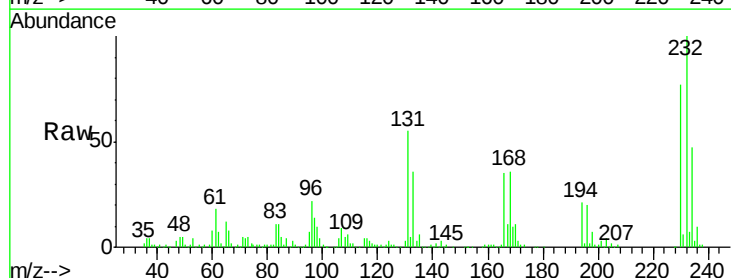
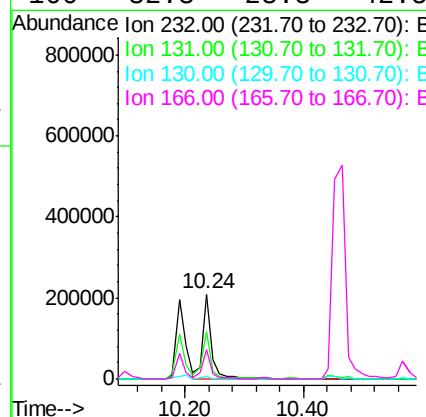
RT: 10.24 min Scan# 713

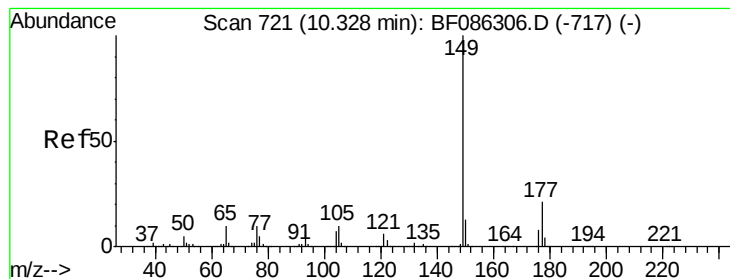
Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 232  | Resp: | 229113 |
| Ion Ratio |      | Lower | Upper  |
| 232       | 100  |       |        |
| 131       | 53.3 | 46.6  | 70.0   |
| 130       | 2.6  | 2.5   | 3.7    |
| 166       | 32.3 | 28.3  | 42.5   |





#59

Diethylphthalate

Concen: 51.64 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

ClientSampled :

LCF-B2MSD

Tot Ion:149 Resp: 1095919

Ion Ratio Lower Upper

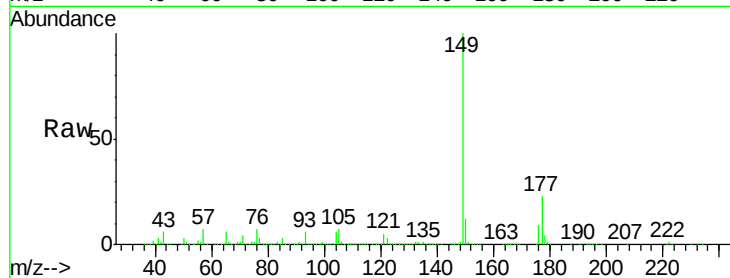
149 100

177 23.3 17.0 25.6

150 12.3 10.2 15.4

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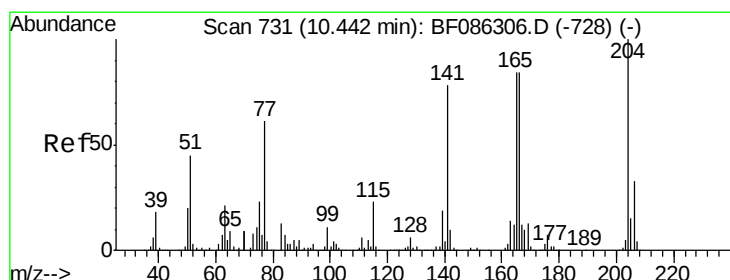
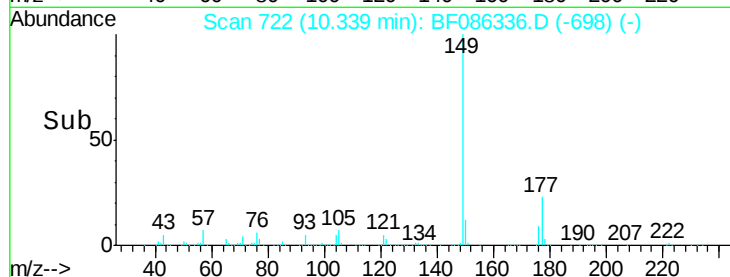
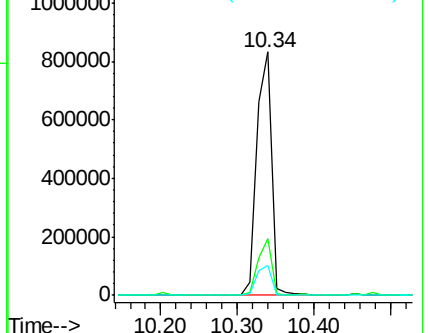
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 52.35 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

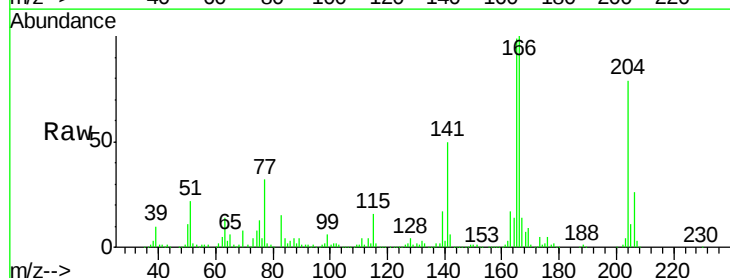
Tgt Ion:204 Resp: 380447

Ion Ratio Lower Upper

204 100

206 33.1 26.2 39.2

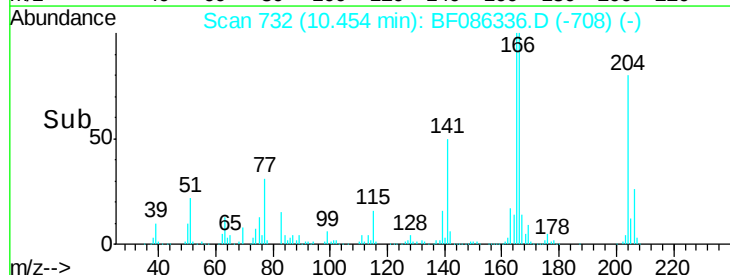
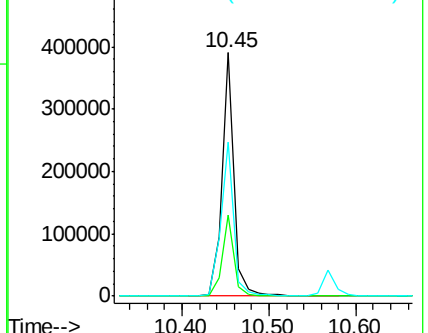
141 63.1 55.4 83.0

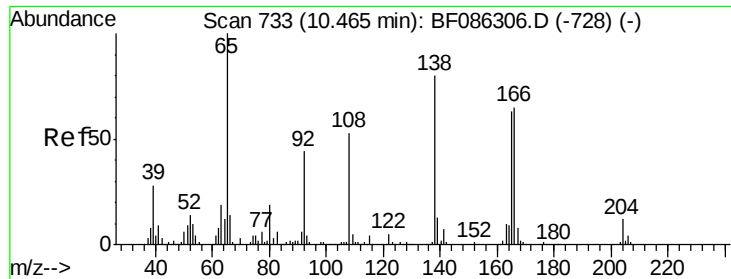


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 58.10 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

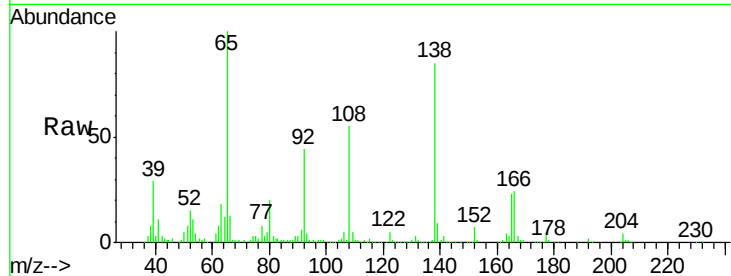
ClientSampled :

LCF-B2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 138   | Resp: | 309531 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 51.4  | 31.9  | 71.9   |
| 108       | 64.8  | 58.7  | 98.7   |

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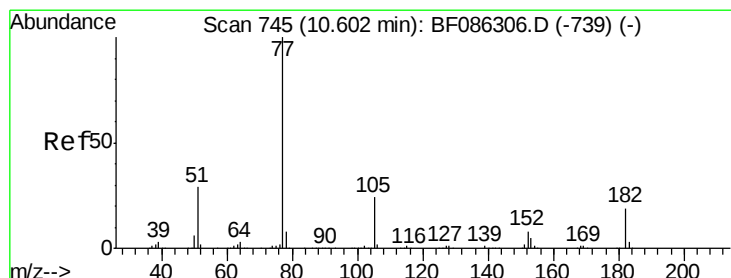
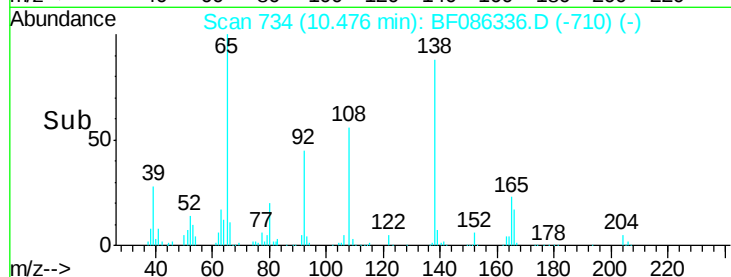
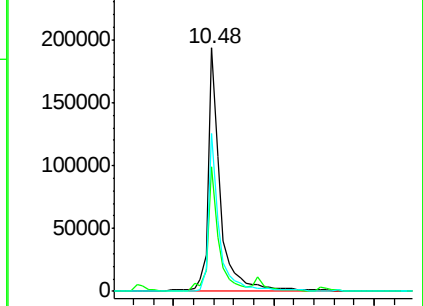
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 50.28 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

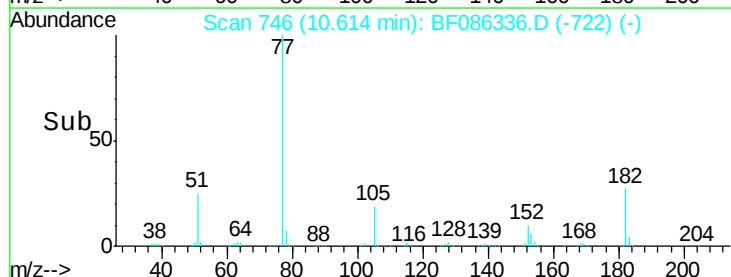
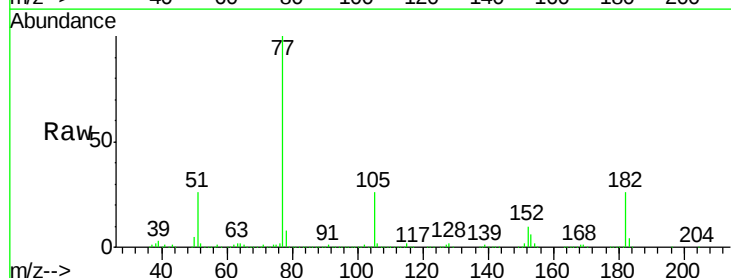
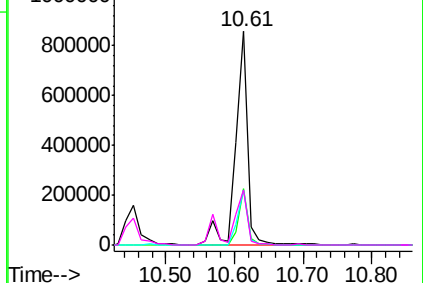
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 77    | Resp: | 1051961 |
| Ion Ratio | Lower | Upper |         |
| 77        | 100   |       |         |
| 182       | 26.1  | 2.3   | 42.3    |
| 105       | 25.8  | 3.4   | 43.4    |
| 51        | 25.8  | 11.7  | 51.7    |

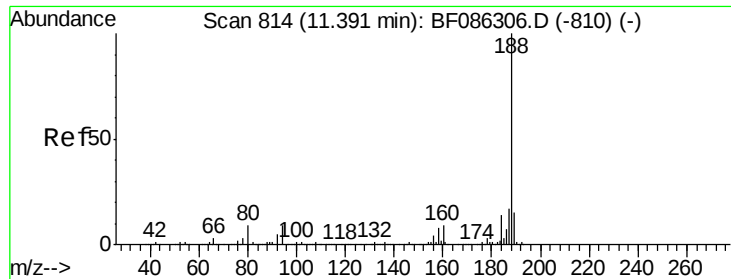
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

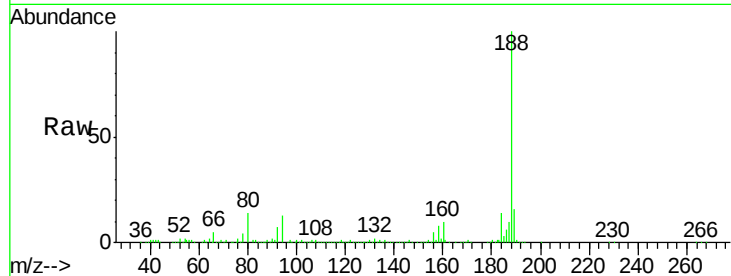
ClientSampleId :

LCF-B2MSD

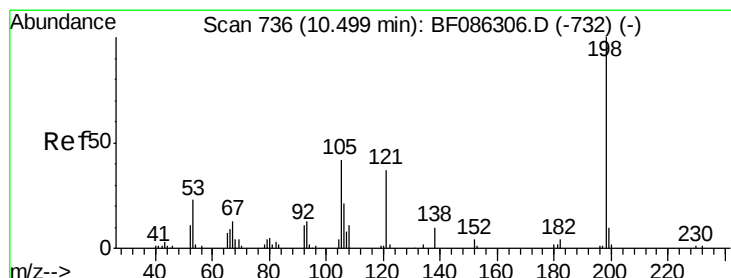
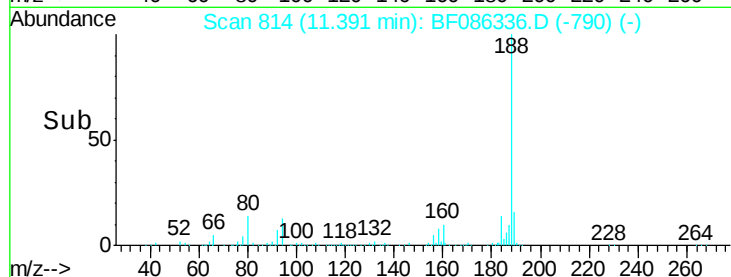
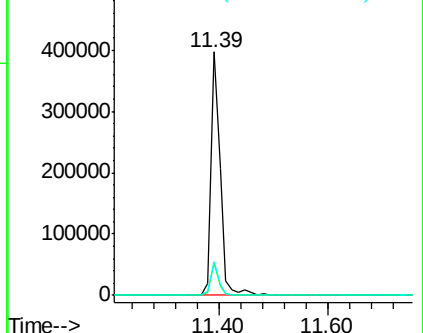
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 467362 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 13.1  | 9.8   | 14.8   |
| 80        | 14.0  | 10.5  | 15.7   |

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Abundance Ion 188.00 (187.70 to 188.70): E



#64

4,6-Dinitro-2-methylphenol

Concen: 7.34 ng

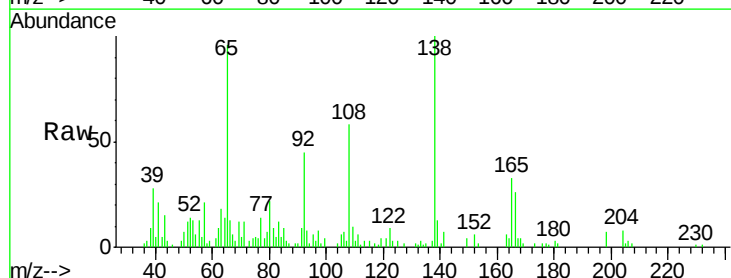
RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

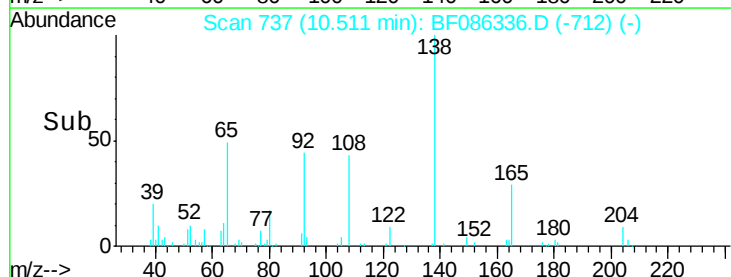
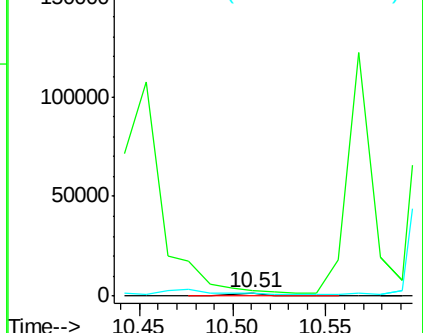
Lab File: BF086336.D

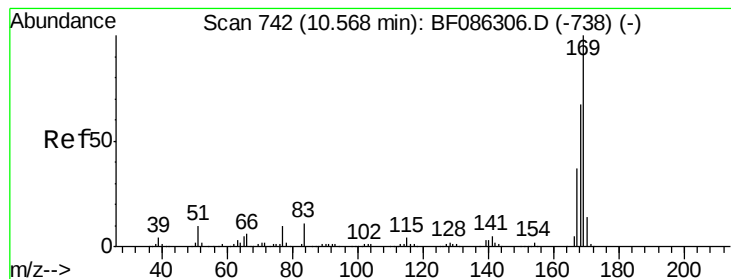
Acq: 21 Apr 2016 4:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 198   | Resp: | 2162  |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 158.9 | 56.5  | 96.5# |
| 105       | 86.8  | 48.0  | 88.0  |



Abundance Ion 198.00 (197.70 to 198.70): E





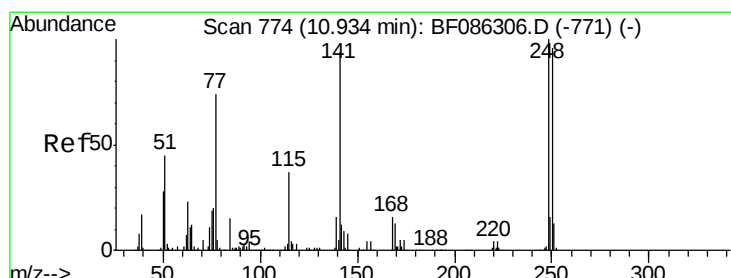
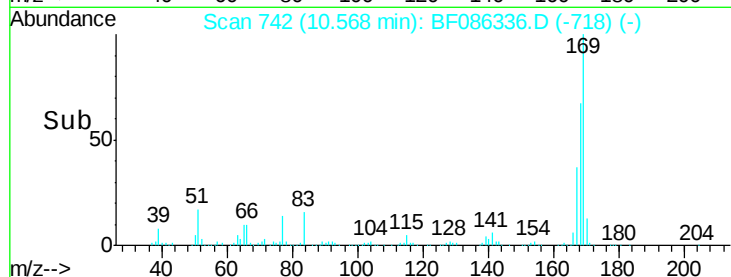
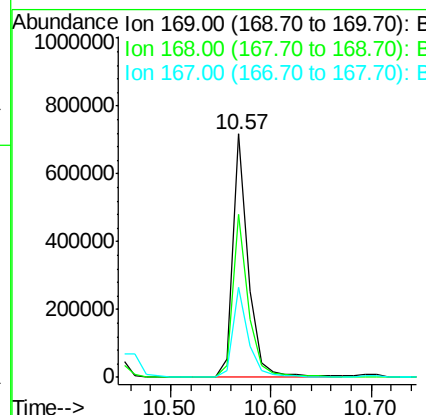
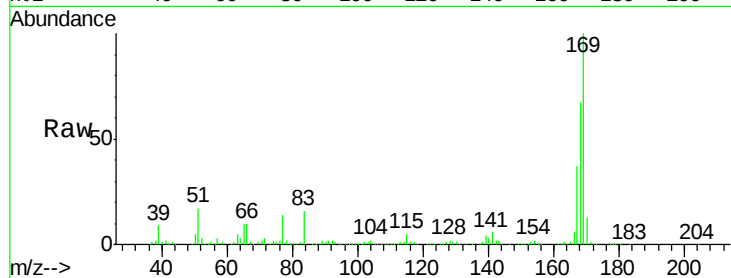
#65  
 n-Nitrosodiphenylamine  
 Concen: 49.90 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.02 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LCF-B2MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 169     | 100   |            |       |
| 168     | 66.8  | 54.3       | 81.5  |
| 167     | 36.9  | 30.2       | 45.2  |

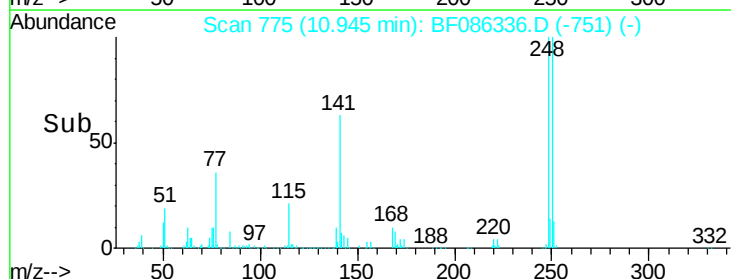
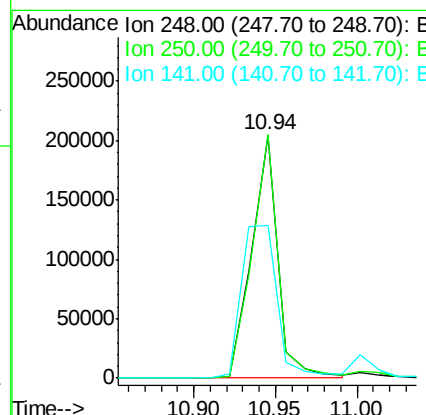
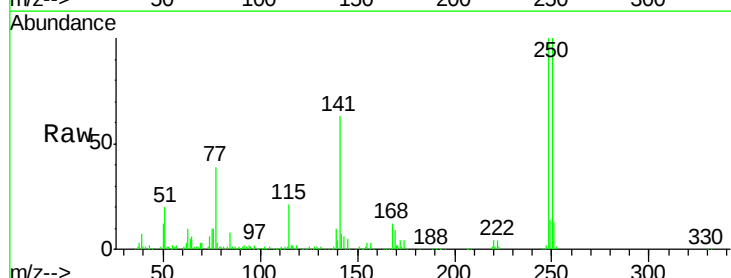
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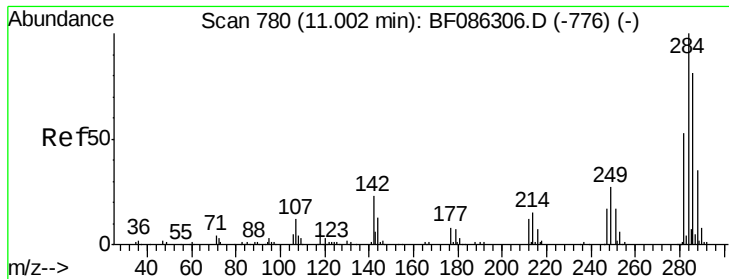
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#66  
 4-Bromophenyl-phenylether  
 Concen: 45.40 ng  
 RT: 10.94 min Scan# 775  
 Delta R.T. -0.02 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 248     | 100   |            |       |
| 250     | 100.3 | 78.6       | 118.0 |
| 141     | 63.1  | 57.9       | 86.9  |





#67

Hexachlorobenzene

Concen: 45.84 ng

RT: 11.00 min Scan# 780

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

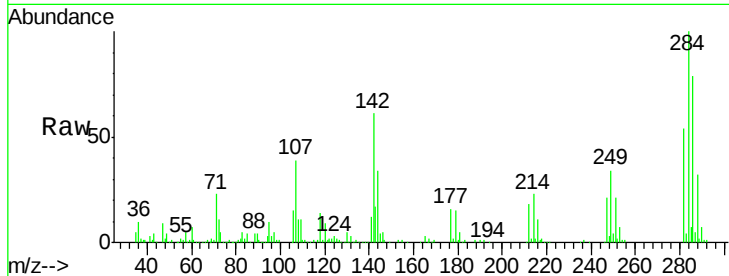
ClientSampleId :

LCF-B2MSD

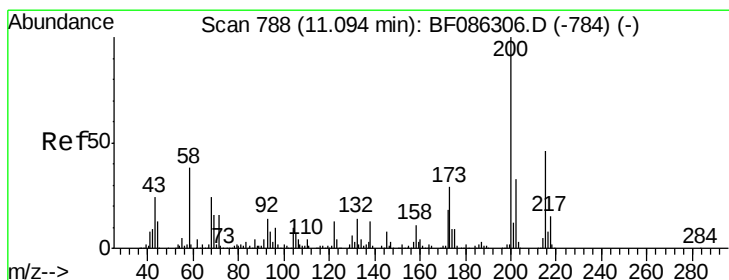
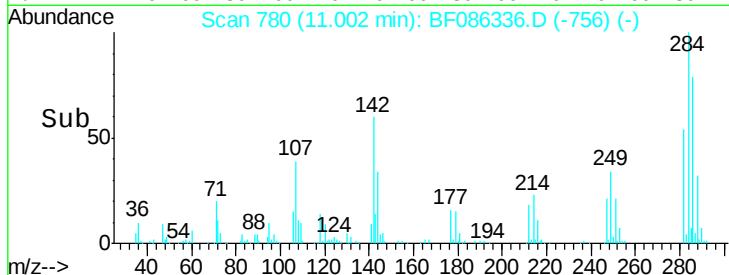
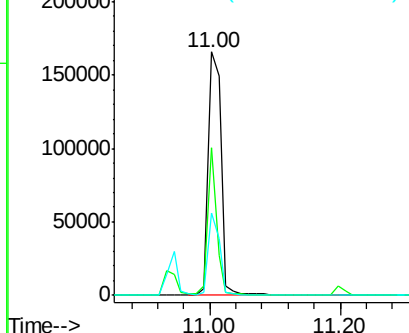
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 231017 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 60.7  | 42.6  | 64.0   |
| 249       | 33.9  | 25.9  | 38.9   |

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



#68

Atrazine

Concen: 35.73 ng

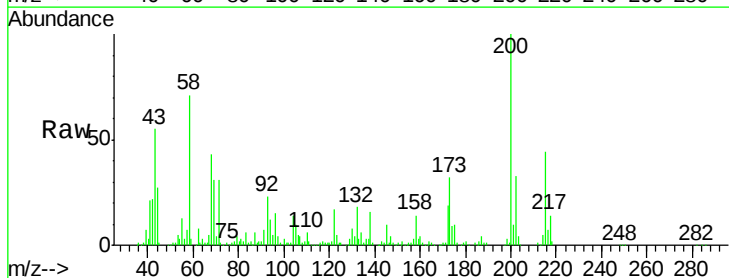
RT: 11.09 min Scan# 788

Delta R.T. -0.02 min

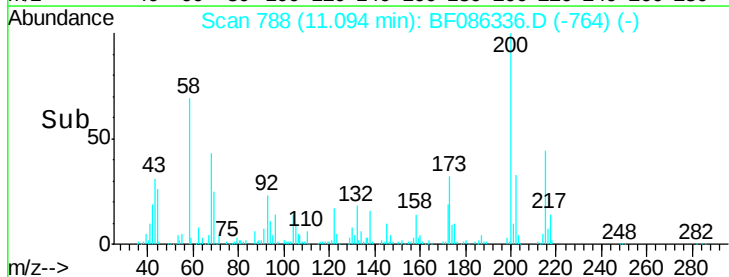
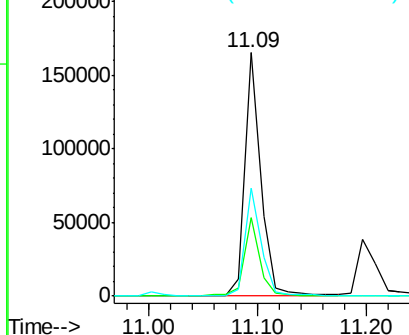
Lab File: BF086336.D

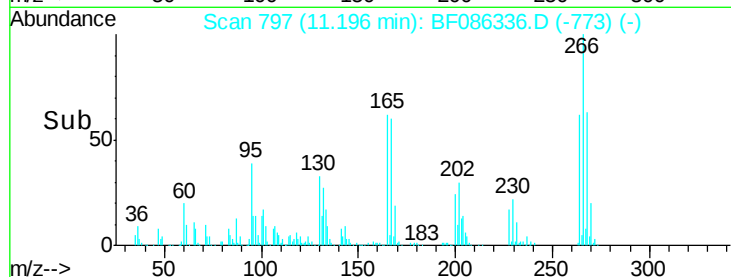
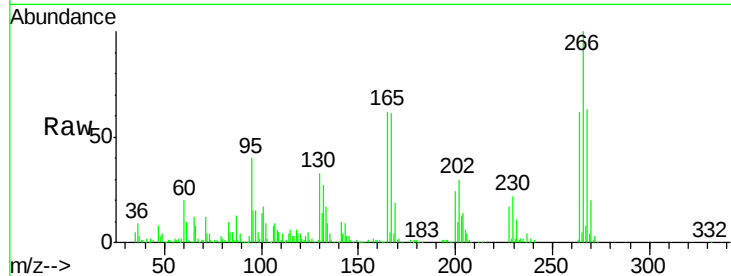
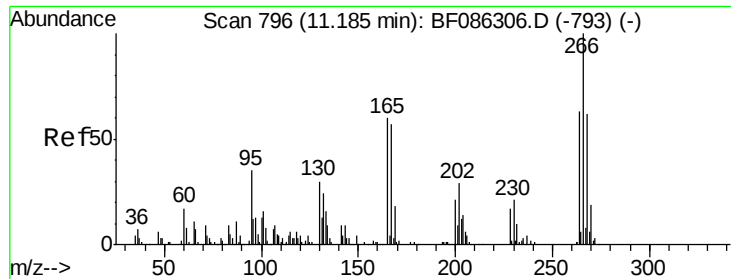
Acq: 21 Apr 2016 4:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 169081 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 32.4  | 11.2  | 51.2   |
| 215       | 44.2  | 24.0  | 64.0   |



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





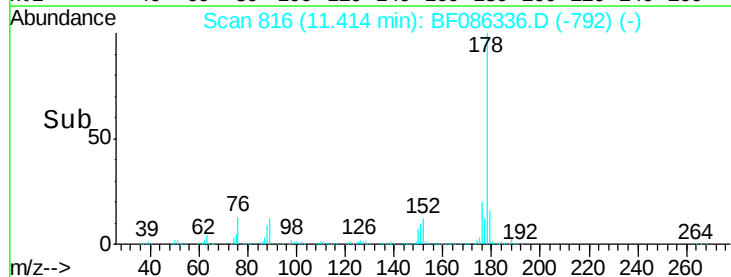
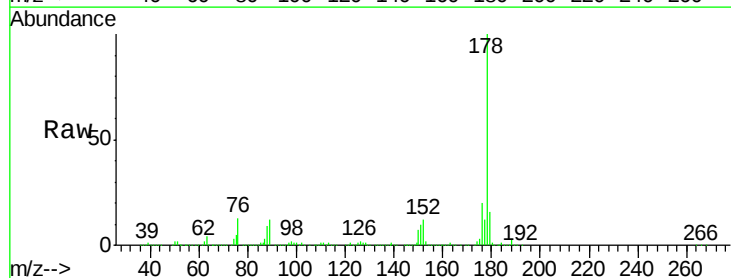
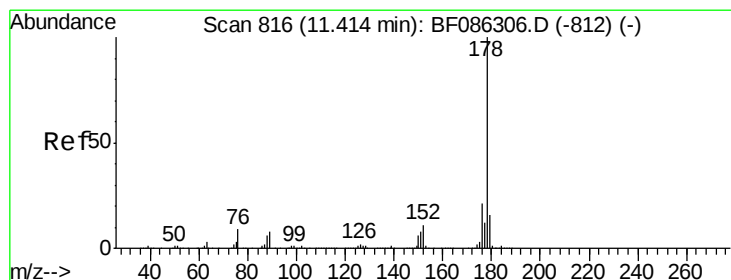
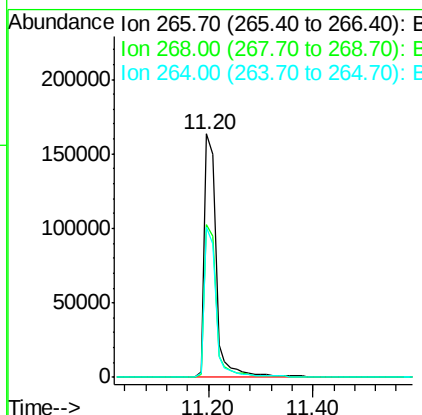
#69  
 Pentachlorophenol  
 Concen: 99.25 ng  
 RT: 11.20 min Scan# 797  
 Delta R.T. -0.02 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 262044 |       |       |
| 268     | 62.8  | 53.0   | 79.4  |       |
| 264     | 61.6  | 51.3   | 76.9  |       |

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LCF-B2MSD

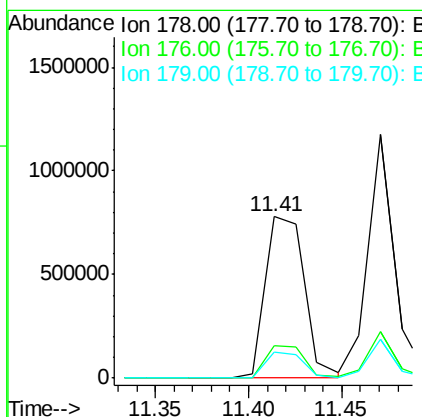
Manual Integrations  
 APPROVED

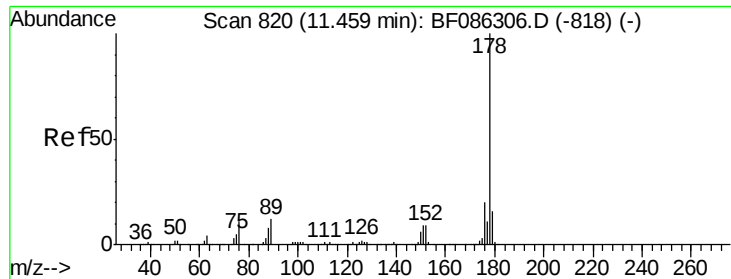
sohil  
 4/21/2016 7:12:30 PM



#70  
 Phenanthrene  
 Concen: 51.03 ng  
 RT: 11.41 min Scan# 816  
 Delta R.T. -0.02 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1130224 |       |       |
| 176     | 19.8  | 16.3    | 24.5  |       |
| 179     | 15.8  | 13.0    | 19.6  |       |





#71

Anthracene

Concen: 51.55 ng

RT: 11.47 min Scan# 821

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

ClientSampleId :

LCF-B2MSD

Tot Ion:178 Resp: 1222732

Ion Ratio Lower Upper

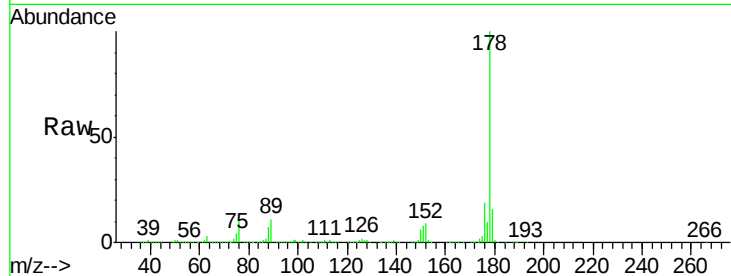
178 100

176 19.3 16.2 24.4

179 15.7 13.2 19.8

Manual Integrations  
APPROVED

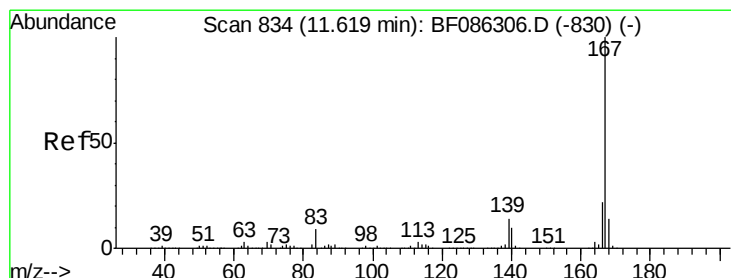
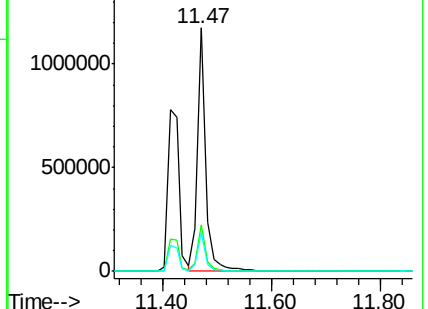
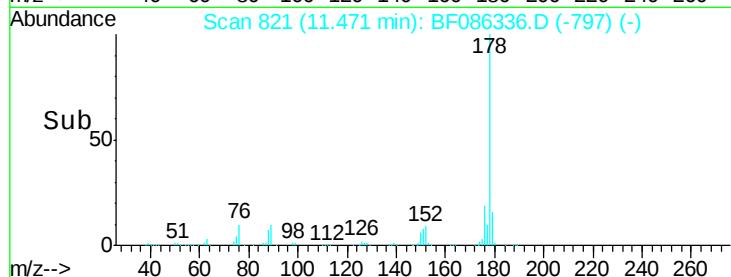
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 56.09 ng

RT: 11.63 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

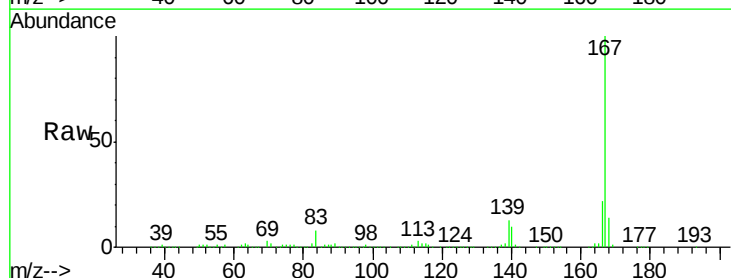
Tgt Ion:167 Resp: 1258972

Ion Ratio Lower Upper

167 100

166 22.1 18.3 27.5

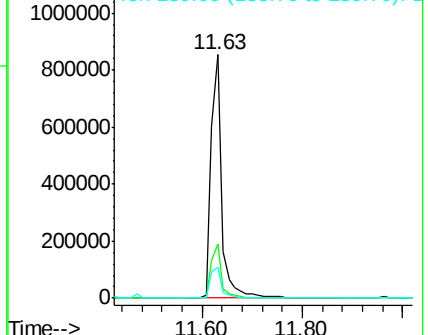
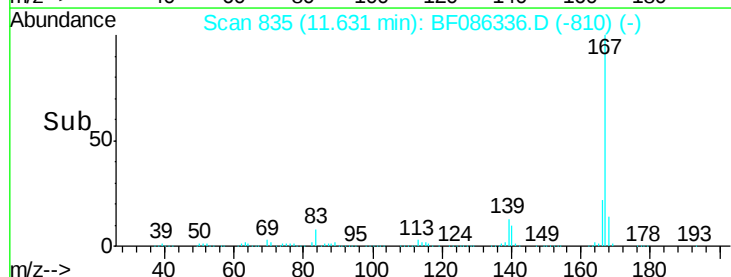
139 12.9 12.3 18.5

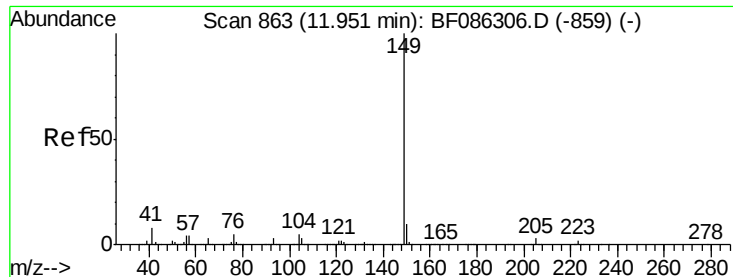


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 53.22 ng

RT: 11.96 min Scan# 864

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

ClientSampleId :

LCF-B2MSD

Tot Ion:149 Resp: 1537893

Ion Ratio Lower Upper

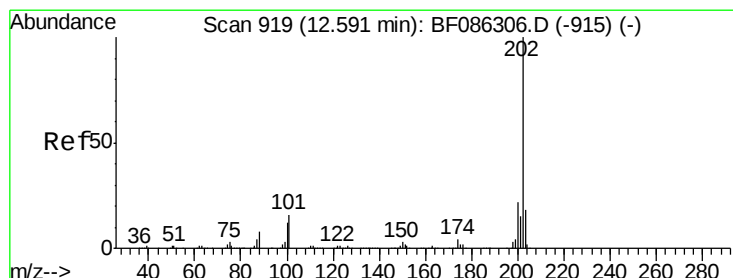
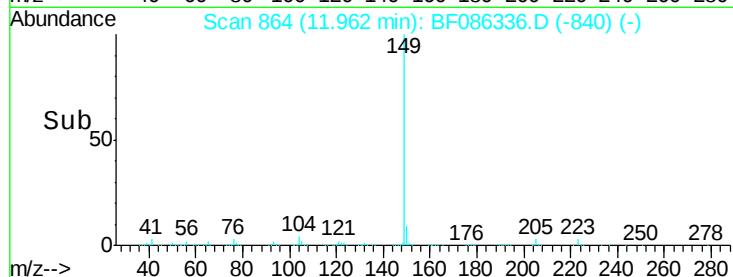
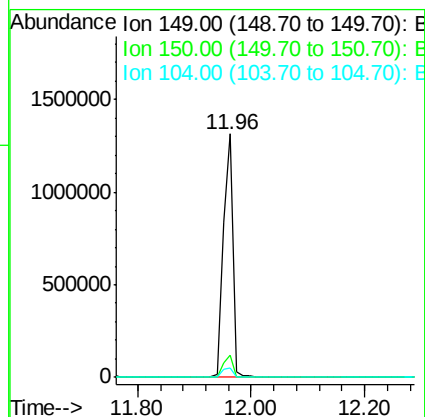
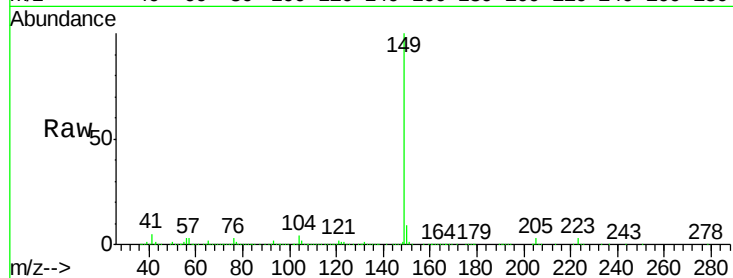
149 100

150 9.1 7.8 11.8

104 4.0 4.1 6.1#

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#74

Fluoranthene

Concen: 55.54 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

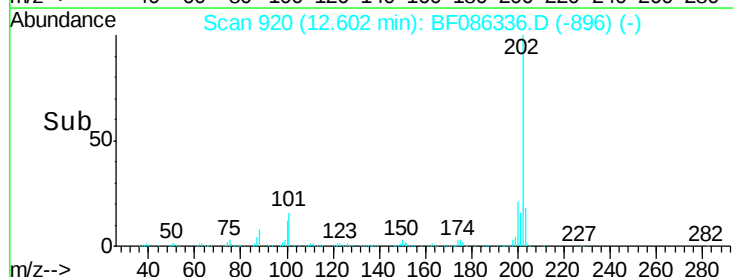
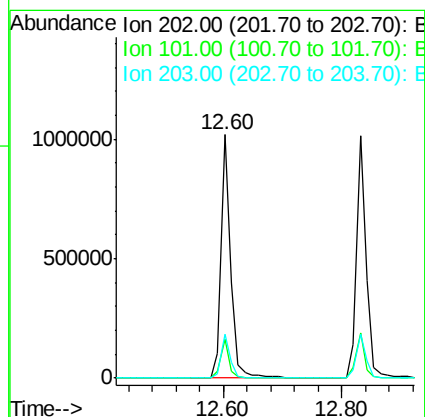
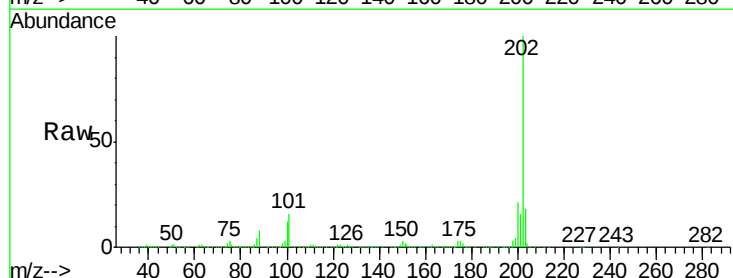
Tgt Ion:202 Resp: 1140446

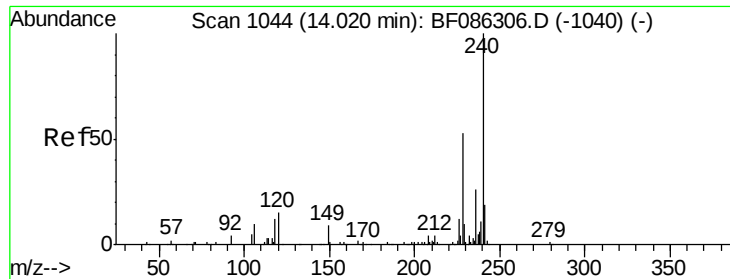
Ion Ratio Lower Upper

202 100

101 15.9 0.0 35.2

203 17.8 0.0 38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

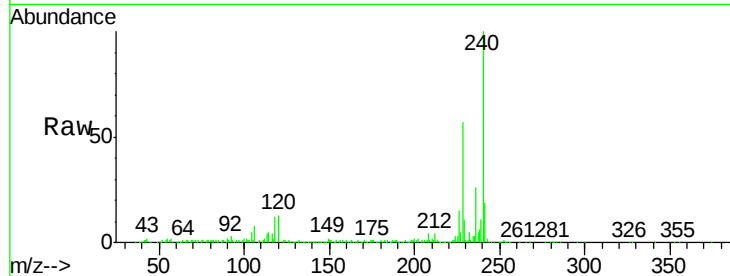
ClientSampleId :

LCF-B2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 335526 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.9  | 9.3   | 13.9   |
| 236       | 26.2  | 21.1  | 31.7   |

Manual Integrations  
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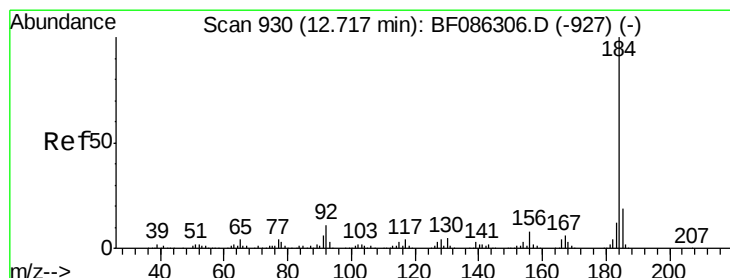
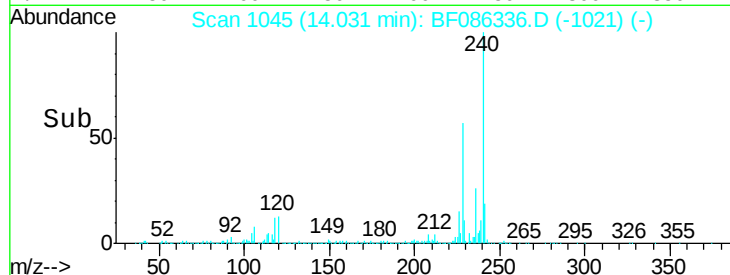
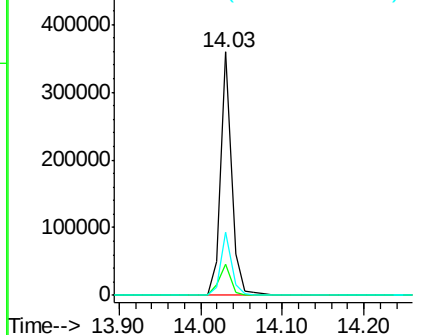
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 52.04 ng

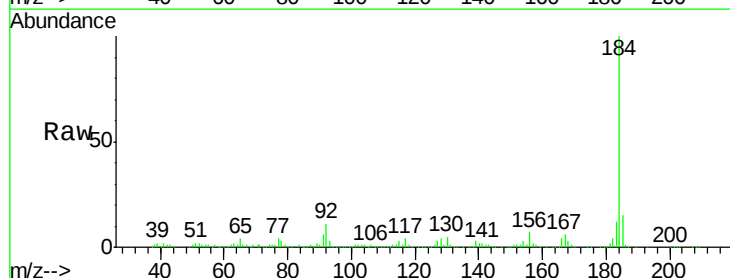
RT: 12.73 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

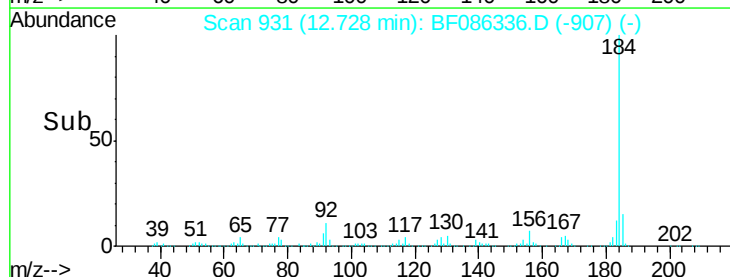
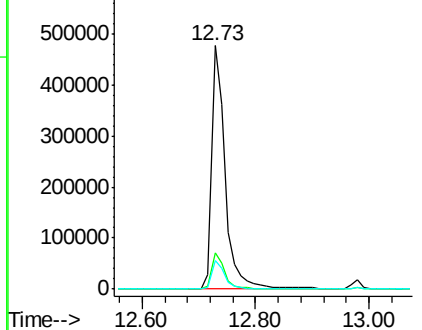
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 770876 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.8  | 14.2  | 21.2   |
| 183       | 11.7  | 9.8   | 14.6   |

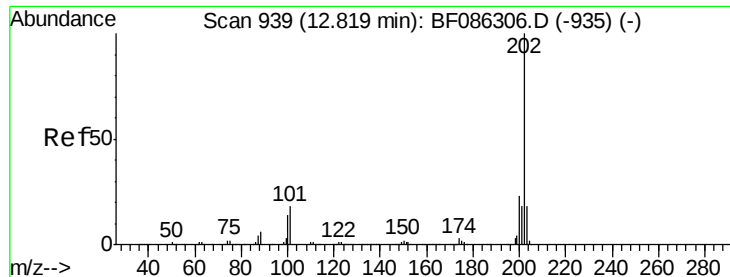


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 45.49 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

ClientSampleId :

LCF-B2MSD

Tot Ion:202 Resp: 1132338

Ion Ratio Lower Upper

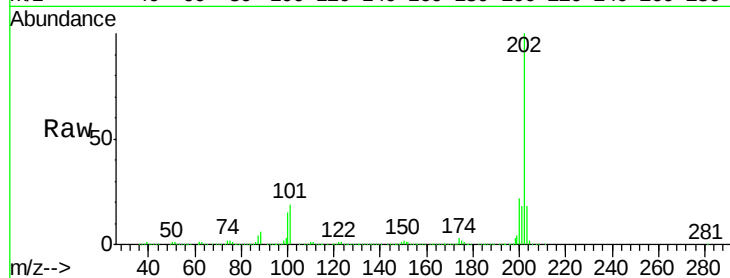
202 100

200 21.9 18.3 27.5

203 17.9 14.9 22.3

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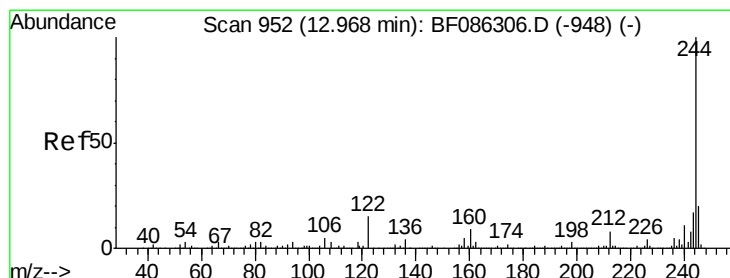
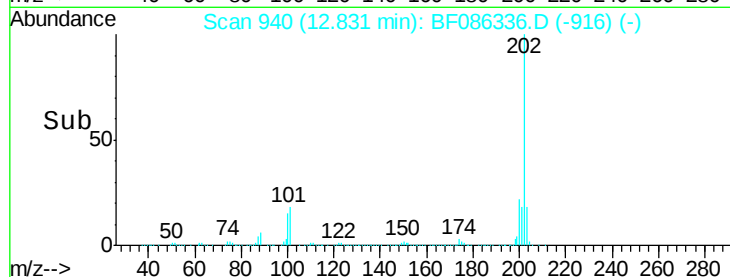
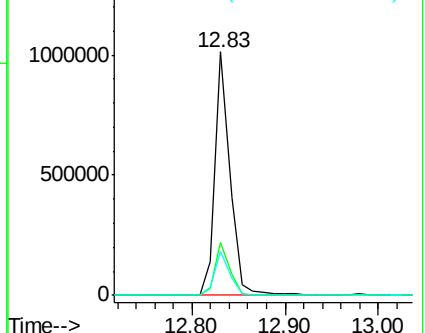
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 89.38 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

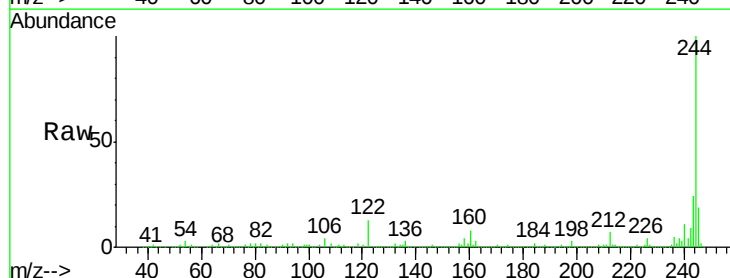
Tgt Ion:244 Resp: 1259823

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

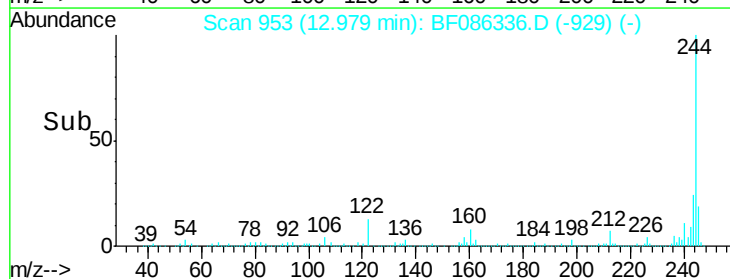
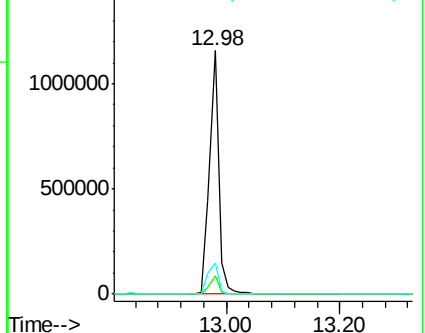
122 12.8 11.7 17.5

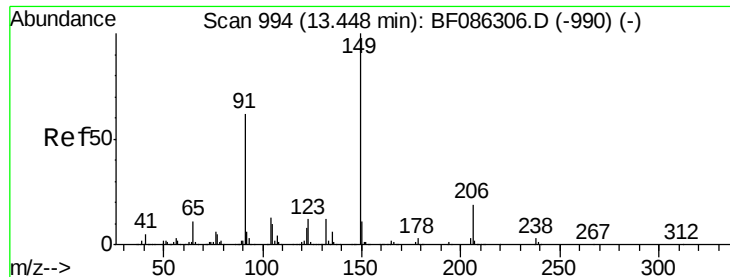


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 46.99 ng

RT: 13.45 min Scan# 994

Delta R.T. -0.03 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

ClientSampleId :

LCF-B2MSD

Tot Ion:149 Resp: 617447  
Ion Ratio Lower Upper

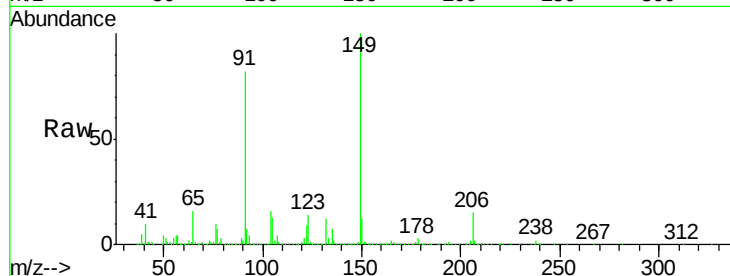
149 100

91 81.7 48.7 73.1#

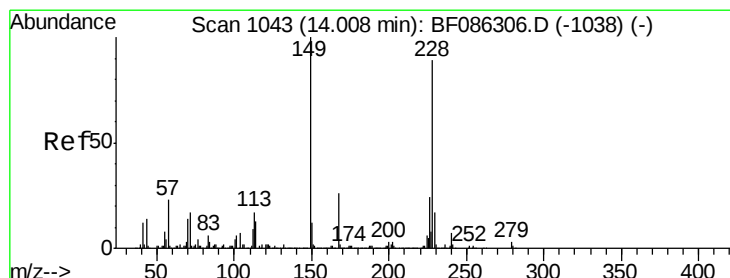
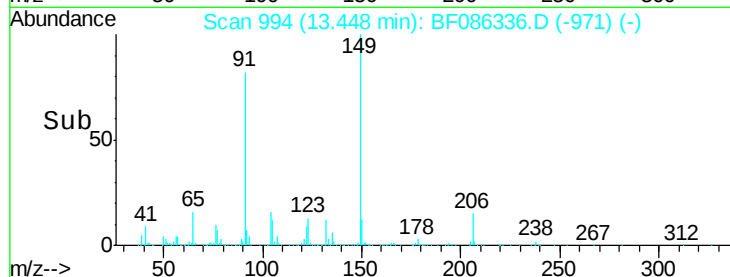
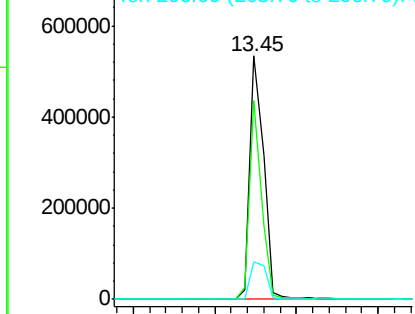
206 15.2 15.7 23.5#

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 47.86 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.02 min

Lab File: BF086336.D

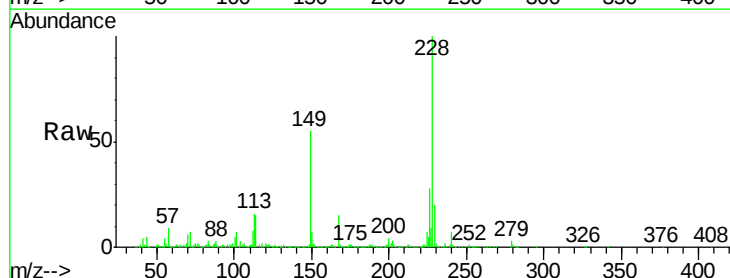
Acq: 21 Apr 2016 4:21

Tgt Ion:228 Resp: 845901  
Ion Ratio Lower Upper

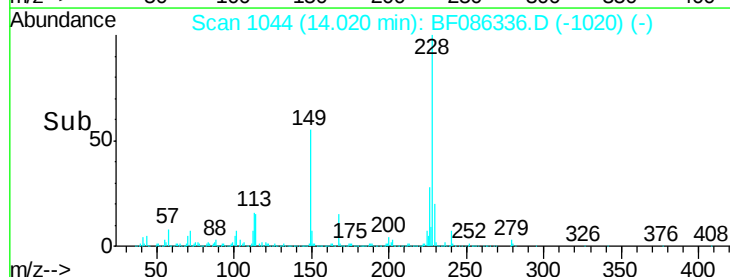
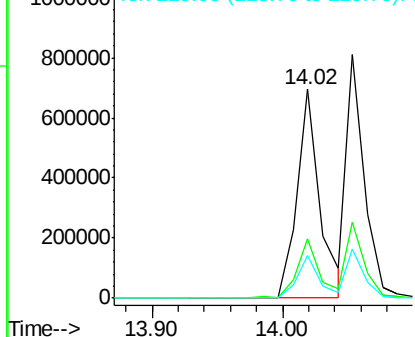
228 100

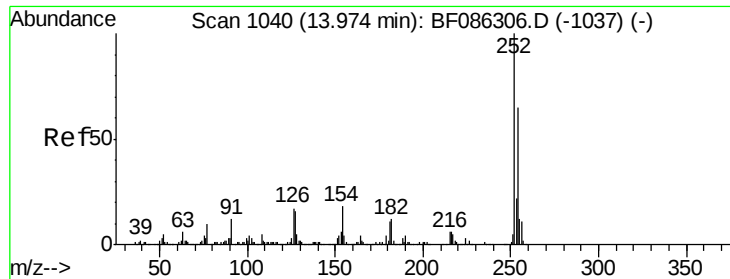
226 28.1 22.5 33.7

229 20.3 16.2 24.2



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





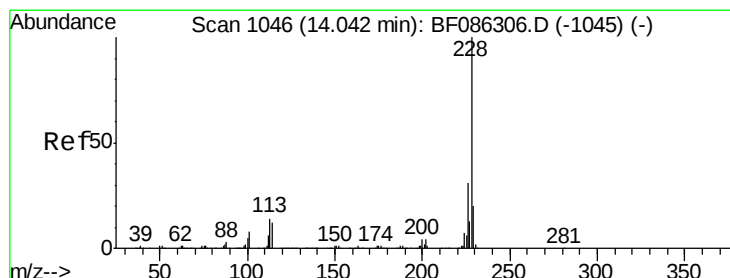
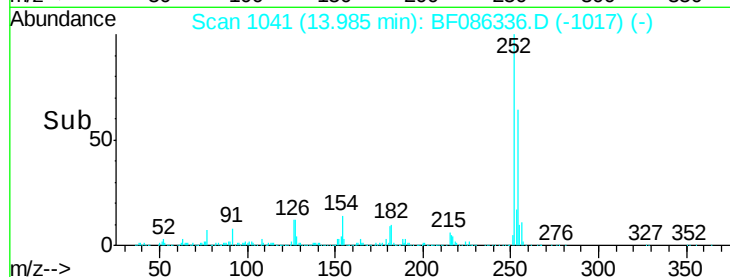
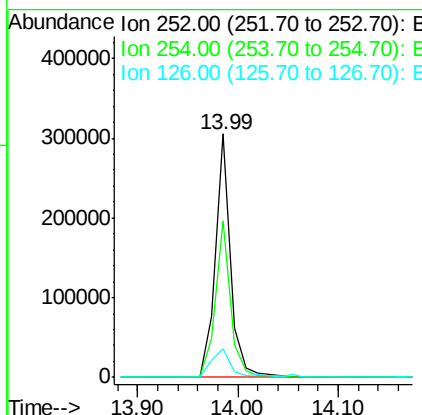
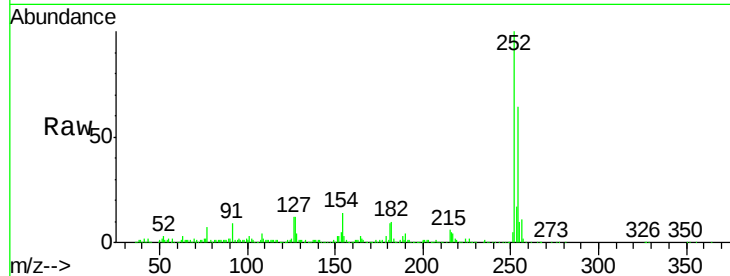
#81  
 3,3'-Dichlorobenzidine  
 Concen: 26.27 ng  
 RT: 13.99 min Scan# 1041  
 Delta R.T. -0.02 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LCF-B2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.3  | 52.1  | 78.1  |
| 126     | 11.9  | 13.2  | 19.8  |

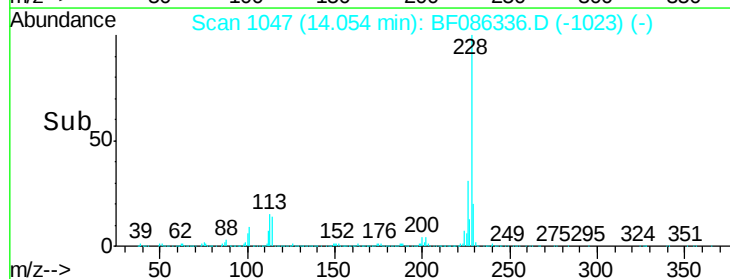
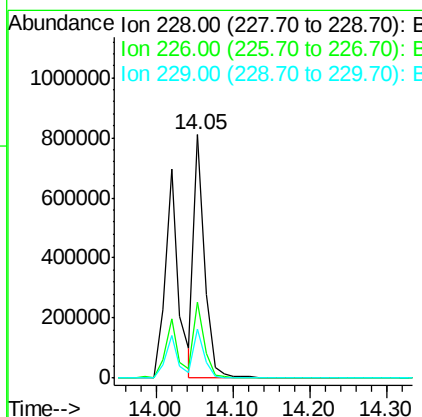
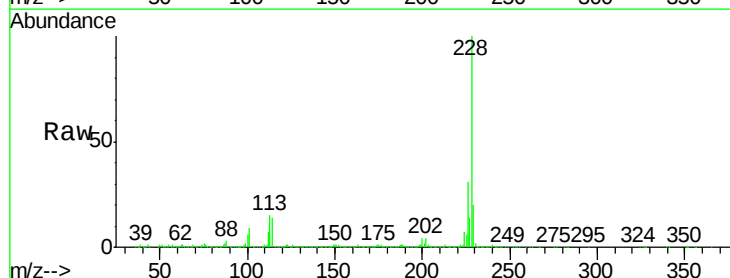
Manual Integrations  
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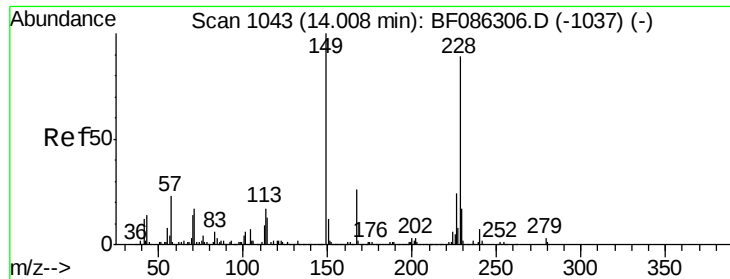
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 4/21/2016 7:12:30 PM



#82  
 Chrysene  
 Concen: 41.69 ng  
 RT: 14.05 min Scan# 1047  
 Delta R.T. -0.02 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.1  | 25.4  | 38.2  |
| 229     | 20.3  | 16.5  | 24.7  |





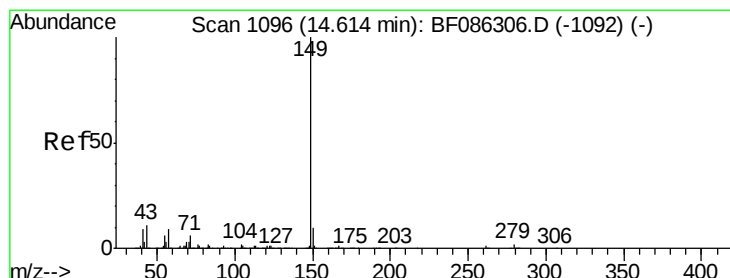
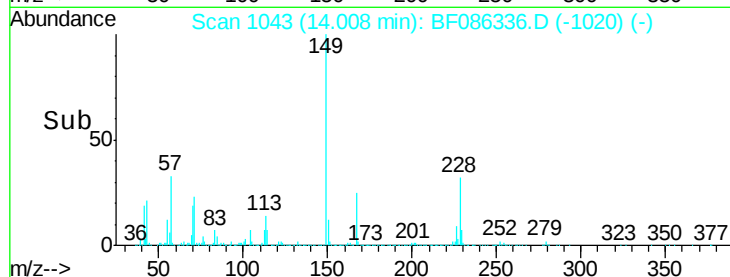
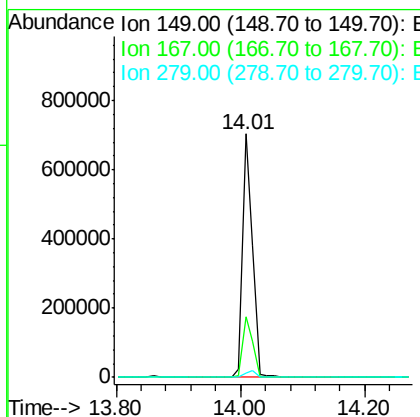
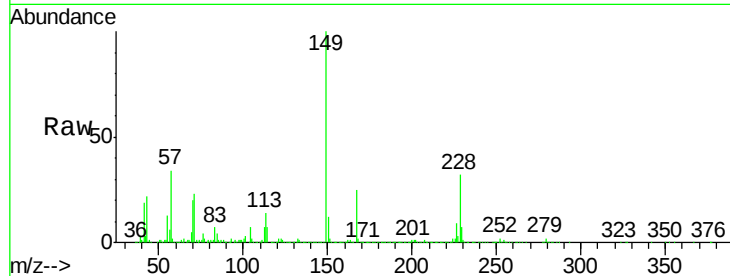
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 50.44 ng  
 RT: 14.01 min Scan# 1043  
 Delta R.T. -0.03 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LCF-B2MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 24.7  | 21.0 | 31.4  |       |
| 279     | 1.9   | 2.4  | 3.6   |       |

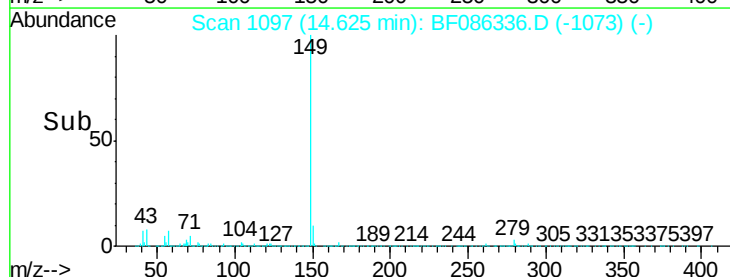
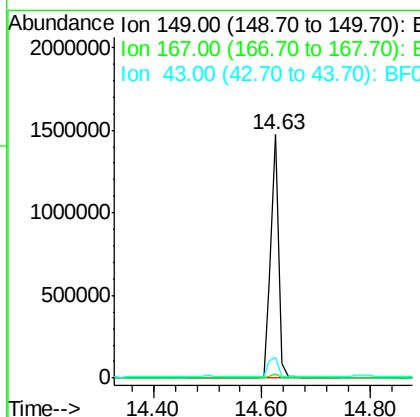
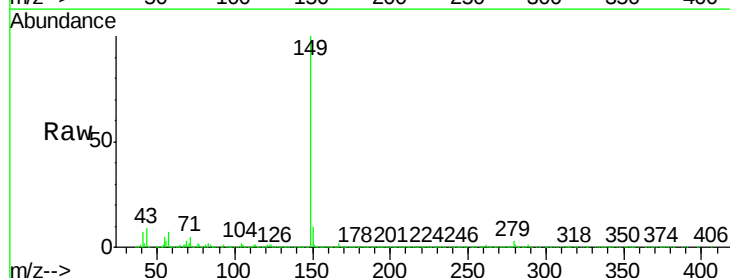
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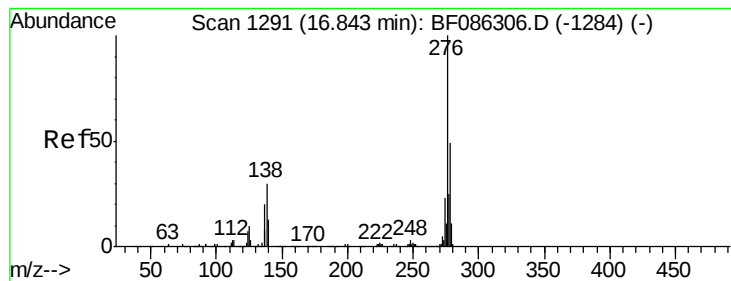
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#84  
 Di-n-octyl phthalate  
 Concen: 53.65 ng  
 RT: 14.63 min Scan# 1097  
 Delta R.T. -0.02 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 1.6   | 1.1  | 1.7   |       |
| 43      | 10.9  | 9.1  | 13.7  |       |





#85

Indeno(1,2,3-cd)pyrene

Concen: 34.05 ng

RT: 16.87 min Scan# 1293

Delta R.T. -0.03 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

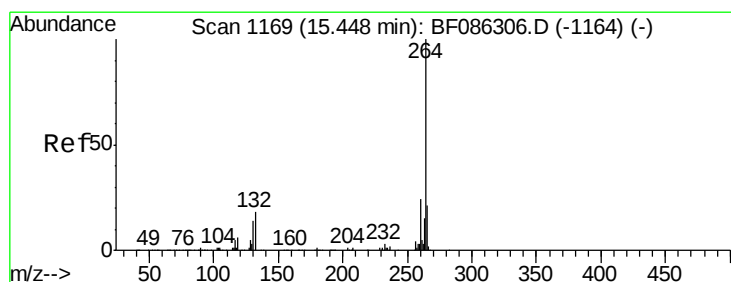
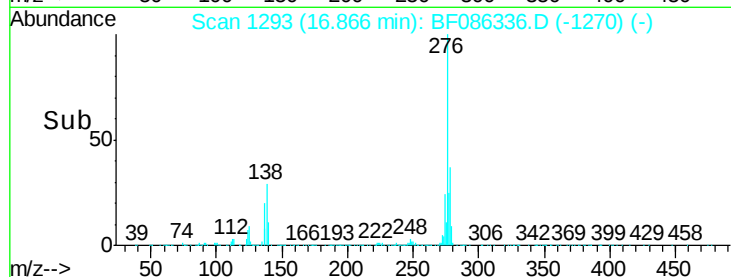
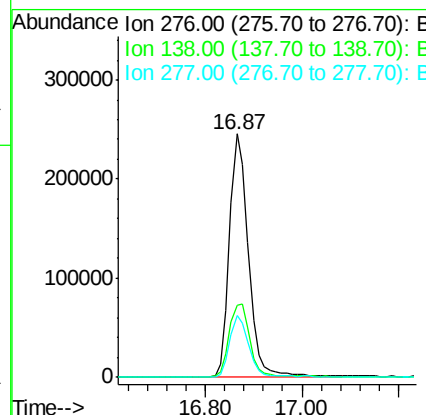
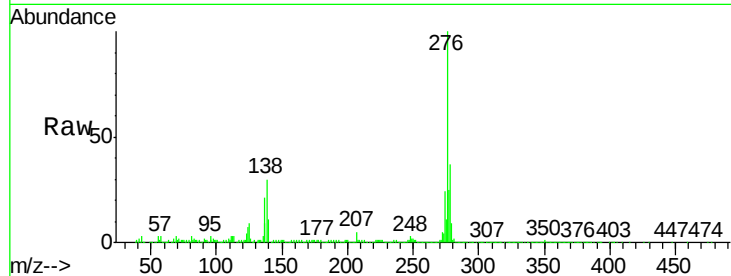
ClientSampleId :

LCF-B2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 668822 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 33.0  | 23.8  | 35.6   |
| 277       | 25.1  | 20.2  | 30.2   |

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#86

Perylene-d12

Concen: 20.00 ng

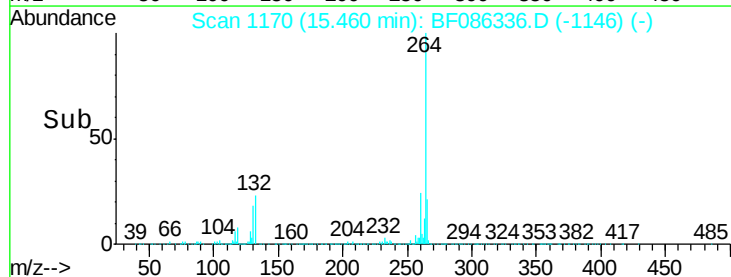
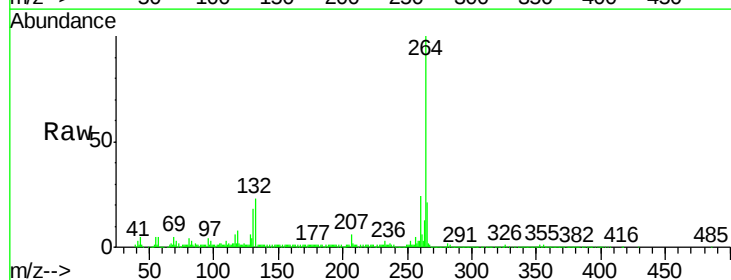
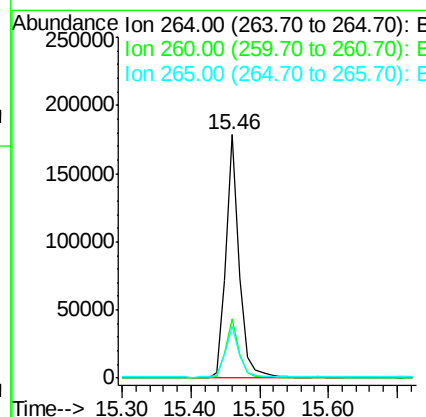
RT: 15.46 min Scan# 1170

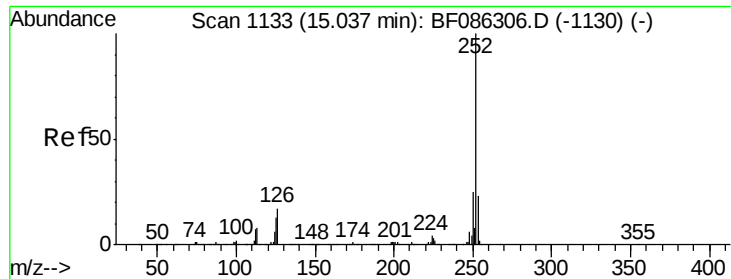
Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 244191 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.5  | 20.0  | 30.0   |
| 265       | 21.1  | 17.4  | 26.0   |





#87

Benzo(b)fluoranthene

Concen: 48.16 ng m

RT: 15.05 min Scan# 1134

Delta R.T. -0.02 min

Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

Instrument :

BNA\_F

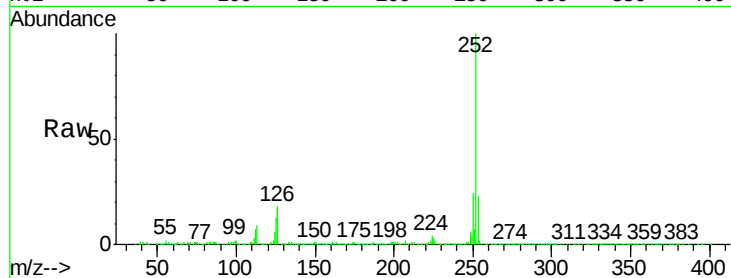
ClientSampleId :

LCF-B2MSD

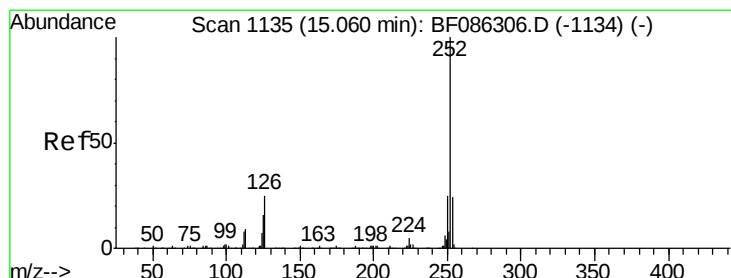
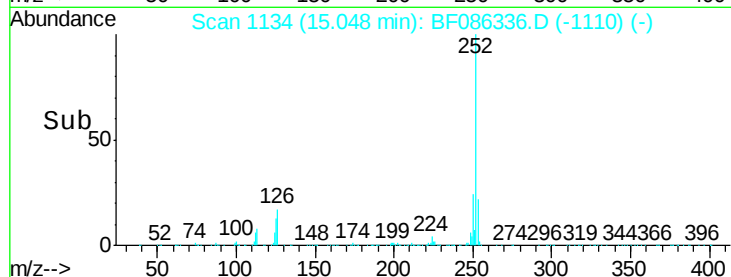
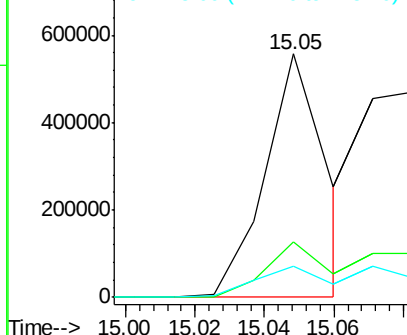
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 680248 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.6  | 17.7  | 26.5   |
| 125       | 13.0  | 10.3  | 15.5   |

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



#88

Benzo(k)fluoranthene

Concen: 59.80 ng m

RT: 15.08 min Scan# 1137

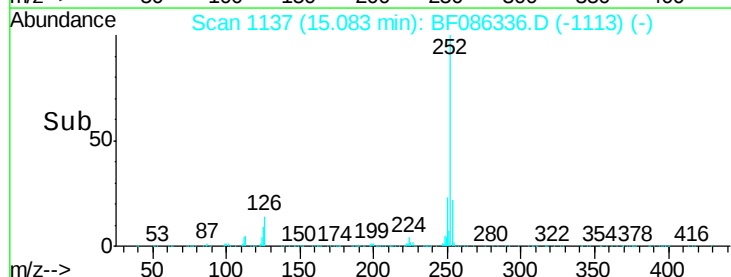
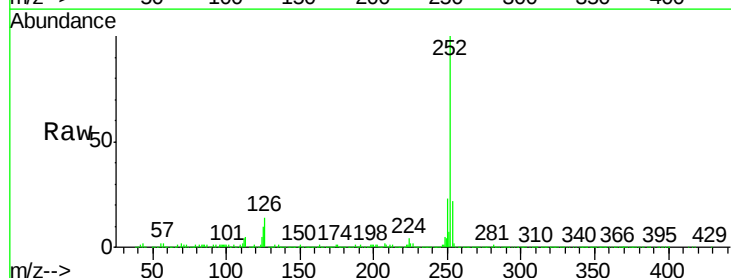
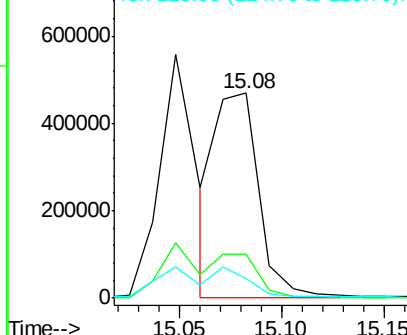
Delta R.T. -0.02 min

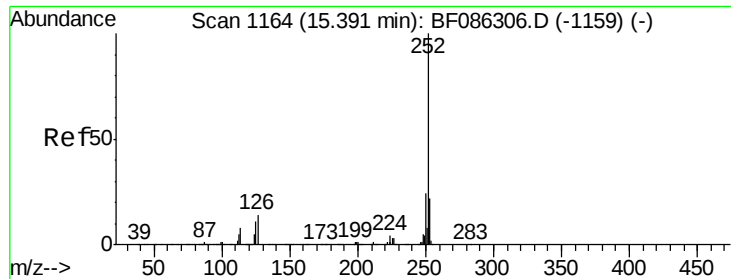
Lab File: BF086336.D

Acq: 21 Apr 2016 4:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 711053 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.7  | 17.5  | 26.3   |
| 125       | 9.5   | 7.8   | 11.6   |

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





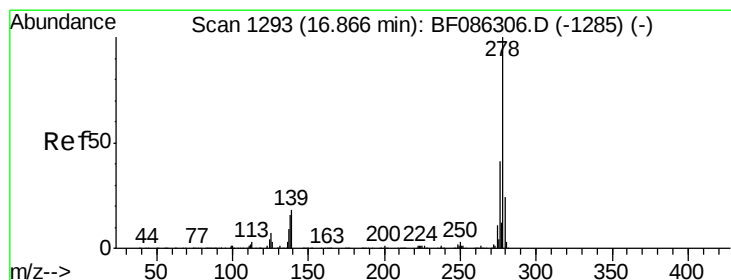
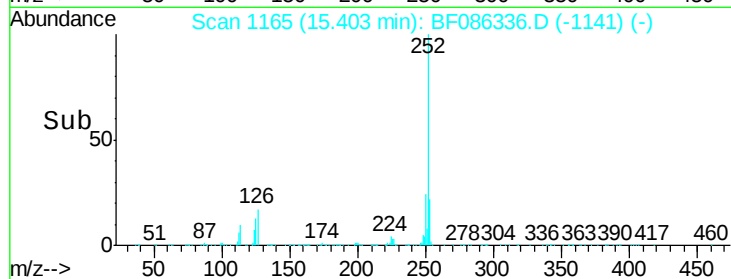
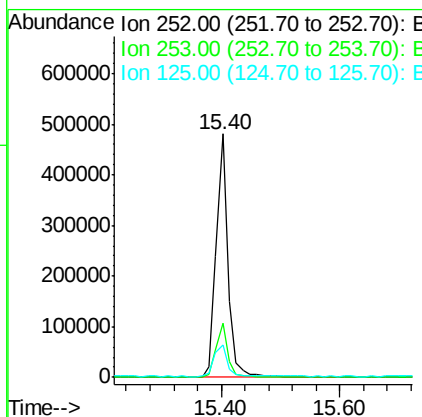
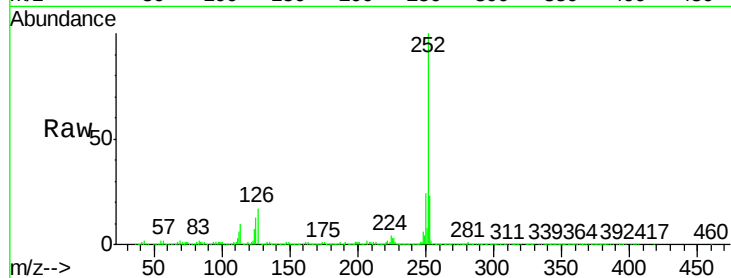
#89  
Benzo(a)pyrene  
Concen: 49.91 ng  
RT: 15.40 min Scan# 1165  
Delta R.T. -0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

Instrument :  
BNA\_F  
ClientSampleId :  
LCF-B2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.8  | 26.8  |
| 125     | 13.3  | 11.2  | 16.8  |

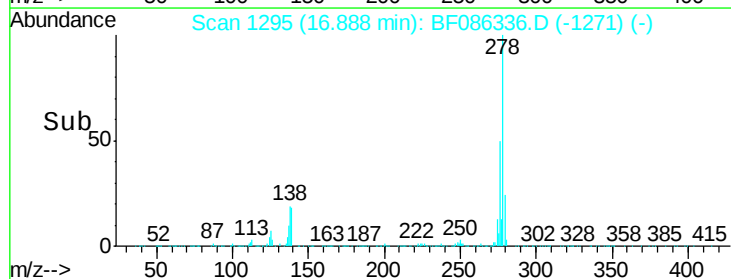
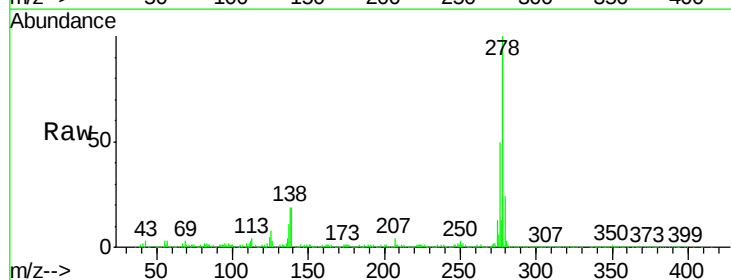
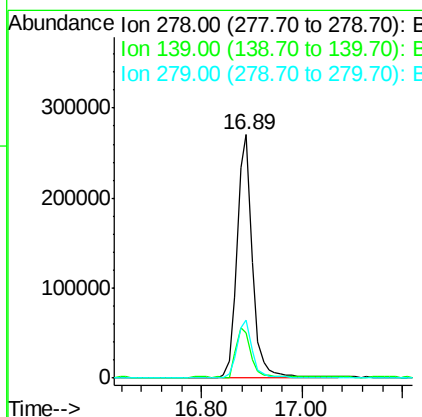
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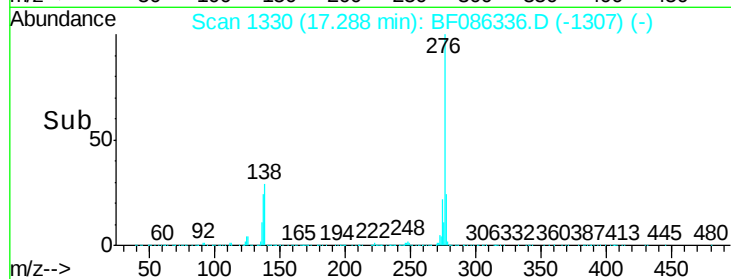
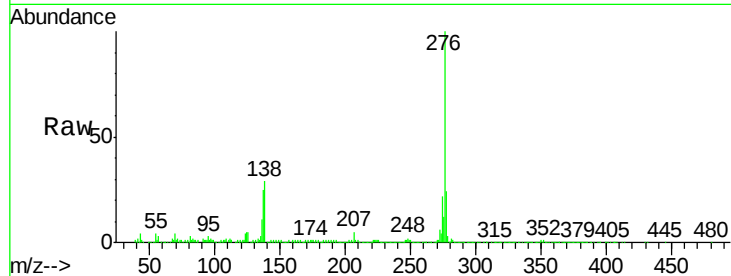
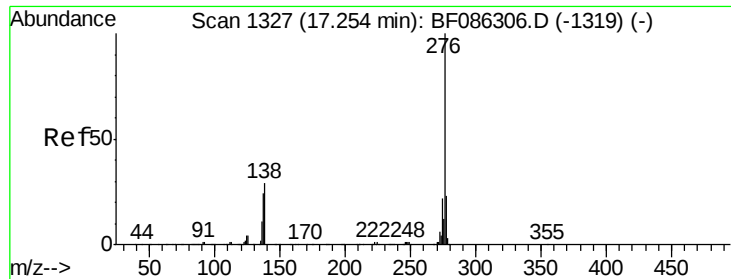
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#90  
Dibenzo(a,h)anthracene  
Concen: 50.40 ng  
RT: 16.89 min Scan# 1295  
Delta R.T. -0.02 min  
Lab File: BF086336.D  
Acq: 21 Apr 2016 4:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.7  | 15.3  | 22.9  |
| 279     | 24.0  | 19.1  | 28.7  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 50.99 ng  
 RT: 17.29 min Scan# 1330  
 Delta R.T. -0.03 min  
 Lab File: BF086336.D  
 Acq: 21 Apr 2016 4:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LCF-B2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.0  | 19.0  | 28.6  |
| 138     | 28.9  | 19.6  | 29.4  |

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