

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101415\  
 Data File : BF082271.D  
 Acq On : 13 Oct 2015 23:22  
 Operator : UM/IZ  
 Sample : G4005-02MS  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-3MS

Manual Integrations  
 APPROVED

MMdadoda  
 10/14/2015 3:51:24 PM

Quant Time: Oct 14 02:29:34 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 14 01:15:23 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 74796    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.11  | 136  | 295384   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.87  | 164  | 147378   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.36 | 188  | 279884   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.04 | 240  | 231357   | 20.00 | ng    | -0.10    |
| 86) Perylene-d12          | 15.53 | 264  | 206833   | 20.00 | ng    | -0.24    |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.43  | 112 | 545757 | 147.26 | ng | 0.01  |
| 7) Phenol-d6             | 6.47  | 99  | 650309 | 134.84 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.41  | 82  | 427987 | 97.30  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 10.67 | 330 | 189423 | 137.05 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.20  | 172 | 739485 | 83.21  | ng | 0.00  |
| 78) Terphenyl-d14        | 12.95 | 244 | 701346 | 80.33  | ng | -0.03 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.43 | 88  | 64675  | 34.73 | ng | 97     |
| 3) Pyridine                    | 3.14 | 79  | 160885 | 37.15 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.11 | 42  | 76281  | 41.53 | ng | 98     |
| 6) Aniline                     | 6.49 | 93  | 181888 | 29.25 | ng | # 77   |
| 8) 2-Chlorophenol              | 6.62 | 128 | 189487 | 41.88 | ng | 97     |
| 9) Benzaldehyde                | 6.38 | 77  | 101902 | 41.38 | ng | 89     |
| 10) Phenol                     | 6.48 | 94  | 223974 | 40.28 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 6.57 | 93  | 203876 | 43.36 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.77 | 146 | 222703 | 42.27 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.85 | 146 | 229116 | 41.64 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.99 | 146 | 208928 | 39.99 | ng | 97     |
| 15) Benzyl Alcohol             | 6.97 | 79  | 152260 | 45.73 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.11 | 45  | 264906 | 40.46 | ng | 98     |
| 17) 2-Methylphenol             | 7.10 | 107 | 161031 | 45.01 | ng | 98     |
| 18) Hexachloroethane           | 7.34 | 117 | 74085  | 39.34 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70  | 126236 | 37.27 | ng | # 87   |
| 20) 3+4-Methylphenols          | 7.25 | 107 | 193398 | 45.36 | ng | 99     |
| 22) Acetophenone               | 7.25 | 105 | 269857 | 46.18 | ng | 97     |
| 24) Nitrobenzene               | 7.42 | 77  | 197784 | 41.54 | ng | 98     |
| 25) Isophorone                 | 7.66 | 82  | 372333 | 41.94 | ng | 98     |
| 26) 2-Nitrophenol              | 7.74 | 139 | 113544 | 47.76 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.77 | 122 | 173257 | 45.24 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93  | 238132 | 46.10 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.98 | 162 | 185884 | 48.55 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.06 | 180 | 186102 | 42.17 | ng | 98     |
| 31) Naphthalene                | 8.14 | 128 | 559086 | 43.66 | ng | 100    |
| 32) Benzoic acid               | 7.85 | 122 | 14377  | 5.59  | ng | 95     |
| 33) 4-Chloroaniline            | 8.19 | 127 | 98345  | 18.49 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.25 | 225 | 108411 | 39.42 | ng | 99     |
| 35) Caprolactam                | 8.56 | 113 | 51966  | 46.77 | ng | # 78   |
| 36) 4-Chloro-3-methylphenol    | 8.69 | 107 | 189445 | 50.60 | ng | 91     |
| 37) 2-Methylnaphthalene        | 8.83 | 142 | 401208 | 45.20 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.99 | 216 | 176186 | 40.19 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.98 | 237 | 92049  | 45.50 | ng | 99     |

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 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-3MS

Manual Integrations  
 APPROVED

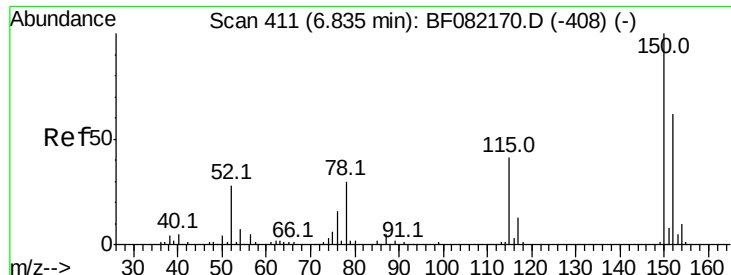
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 10/14/2015 3:51:24 PM

Quant Time: Oct 14 02:29:34 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 14 01:15:23 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.11  | 196  | 119604   | 41.08 | nq    | 100      |
| 43) 2,4,5-Trichlorophenol      | 9.15  | 196  | 145704   | 46.20 | nq #  | 93       |
| 45) 1,1'-Biphenyl              | 9.30  | 154  | 448840   | 39.94 | nq    | 94       |
| 46) 2-Chloronaphthalene        | 9.33  | 162  | 380738   | 43.04 | nq    | 99       |
| 47) 2-Nitroaniline             | 9.43  | 65   | 117311   | 48.30 | nq #  | 68       |
| 48) Acenaphthylene             | 9.74  | 152  | 604430   | 43.86 | nq    | 100      |
| 49) Dimethylphthalate          | 9.60  | 163  | 567358   | 54.67 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.67  | 165  | 98295    | 44.89 | nq    | 89       |
| 51) Acenaphthene               | 9.91  | 154  | 360280   | 43.55 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.84  | 138  | 67753    | 27.39 | nq    | 95       |
| 53) 2,4-Dinitrophenol          | 9.94  | 184  | 25830    | 25.82 | nq #  | 82       |
| 54) Dibenzofuran               | 10.08 | 168  | 507520   | 44.68 | nq    | 98       |
| 55) 4-Nitrophenol              | 10.01 | 139  | 155502   | 87.59 | nq    | 99       |
| 56) 2,4-Dinitrotoluene         | 10.07 | 165  | 118124   | 43.16 | nq    | 89       |
| 57) Fluorene                   | 10.42 | 166  | 399086   | 42.78 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.21 | 232  | 114024   | 44.25 | nq    | 95       |
| 59) Diethylphthalate           | 10.30 | 149  | 400931   | 41.45 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.42 | 204  | 177730   | 41.59 | nq #  | 78       |
| 61) 4-Nitroaniline             | 10.46 | 138  | 98647    | 41.12 | nq    | 96       |
| 62) Azobenzene                 | 10.57 | 77   | 394889   | 41.71 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.48 | 198  | 27675    | 17.62 | nq    | 92       |
| 65) n-Nitrosodiphenylamine     | 10.54 | 169  | 336095   | 40.11 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.90 | 248  | 109467   | 39.08 | nq #  | 86       |
| 67) Hexachlorobenzene          | 10.97 | 284  | 126622   | 41.80 | nq #  | 85       |
| 68) Atrazine                   | 11.07 | 200  | 119988   | 45.20 | nq    | 95       |
| 69) Pentachlorophenol          | 11.17 | 266  | 137316   | 88.09 | nq    | 96       |
| 70) Phenanthrene               | 11.39 | 178  | 804656   | 58.65 | nq    | 99       |
| 71) Anthracene                 | 11.44 | 178  | 640955   | 45.34 | nq    | 100      |
| 72) Carbazole                  | 11.60 | 167  | 578050   | 44.82 | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.93 | 149  | 660225   | 41.50 | nq    | 99       |
| 74) Fluoranthene               | 12.58 | 202  | 898555   | 60.98 | nq    | 98       |
| 76) Benzidine                  | 12.71 | 184  | 155033   | 23.12 | nq    | 97       |
| 77) Pyrene                     | 12.81 | 202  | 880210   | 64.11 | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.44 | 149  | 255705   | 40.81 | nq #  | 82       |
| 80) Benzo(a)anthracene         | 14.02 | 228  | 642452   | 53.37 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.99 | 252  | 143854   | 31.48 | nq    | 99       |
| 82) Chrysene                   | 14.06 | 228  | 576278   | 45.43 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149  | 334606   | 37.43 | nq    | 98       |
| 84) Di-n-octyl phthalate       | 14.68 | 149  | 524377   | 34.16 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.97 | 276  | 494730   | 49.07 | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 15.11 | 252  | 673971m  | 53.56 | nq    |          |
| 88) Benzo(k)fluoranthene       | 15.14 | 252  | 409455m  | 38.71 | nq    |          |
| 89) Benzo(a)pyrene             | 15.48 | 252  | 531939   | 49.19 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.98 | 278  | 383032   | 43.22 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.40 | 276  | 418301   | 48.59 | nq    | 98       |

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





#1

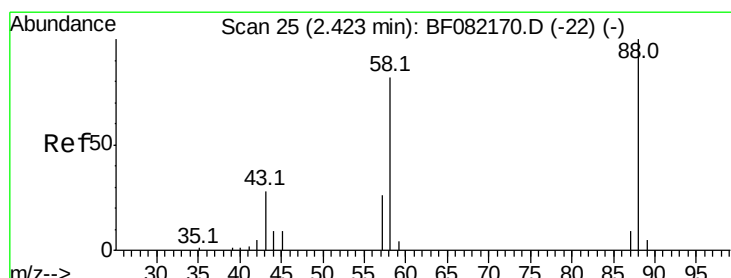
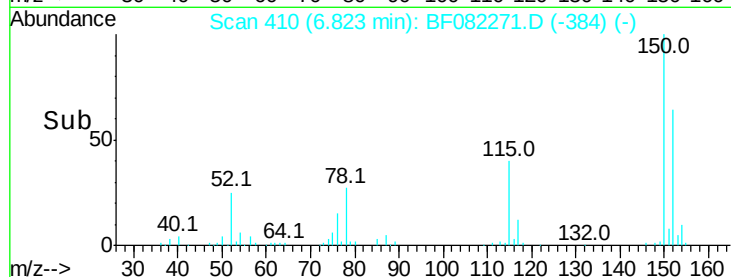
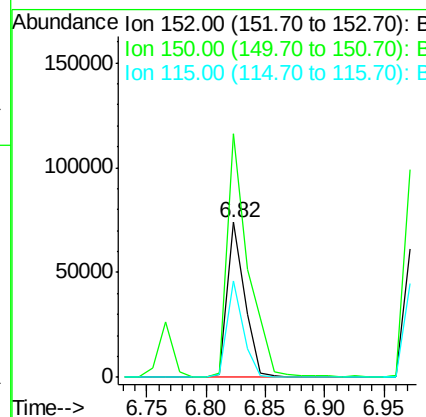
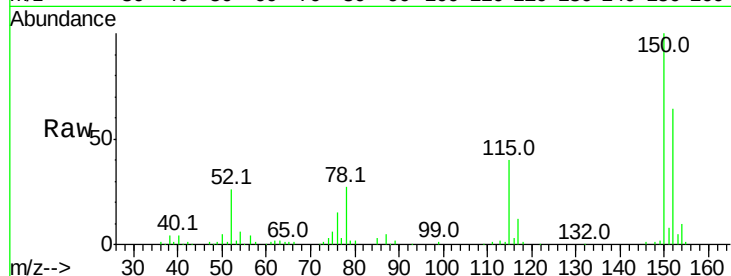
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.82 min Scan# 410  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.1 | 129.0 | 193.4 |
| 115     | 62.4  | 52.1  | 78.1  |

Manual Integrations  
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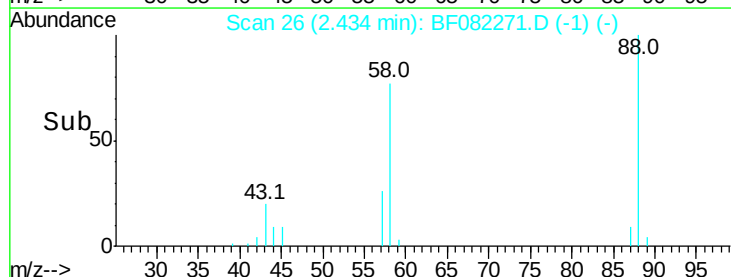
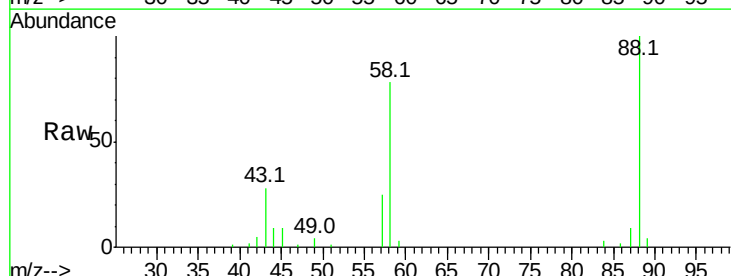
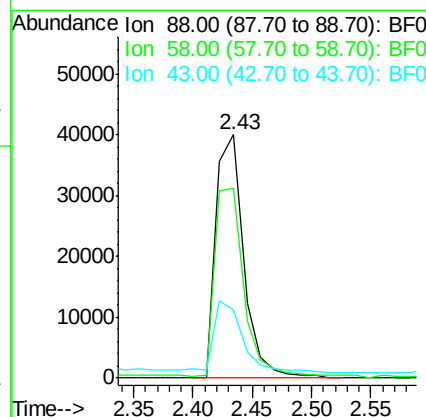
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10/14/2015 3:51:24 PM

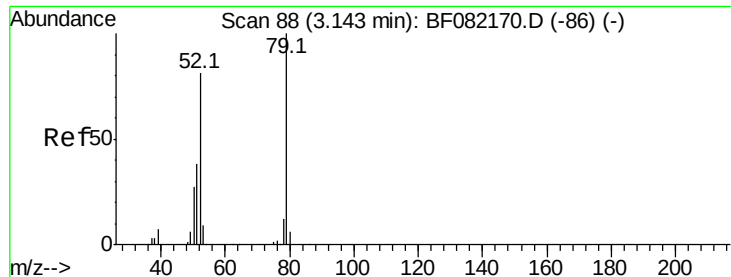


#2

1,4-Dioxane  
Concen: 34.73 ng  
RT: 2.43 min Scan# 26  
Delta R.T. 0.06 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 84.5  | 66.2  | 99.4  |
| 43      | 32.6  | 23.0  | 34.4  |





#3

Pvridine

Concen: 37.15 ng

RT: 3.14 min Scan# 88

Delta R.T. 0.05 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

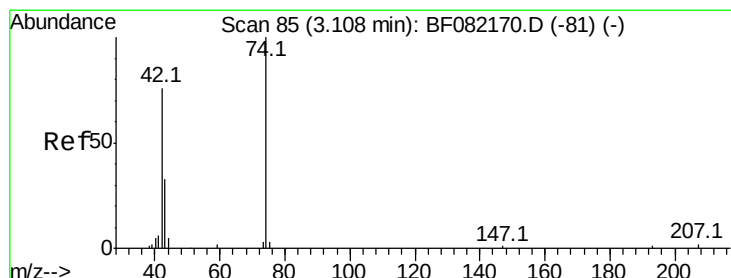
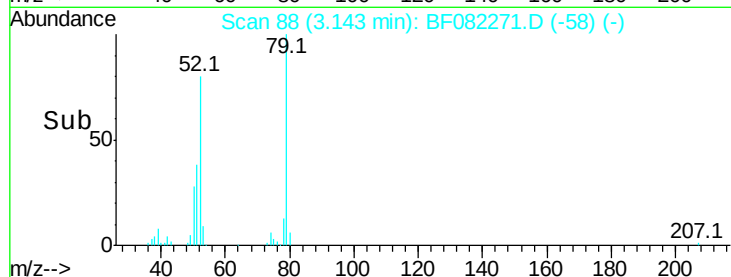
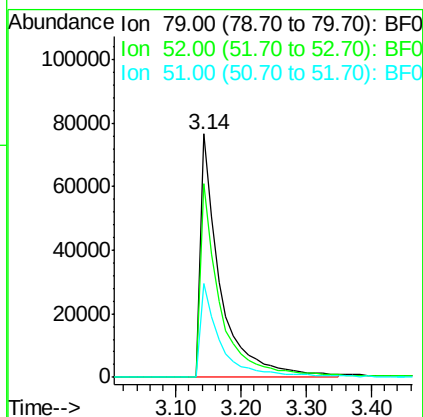
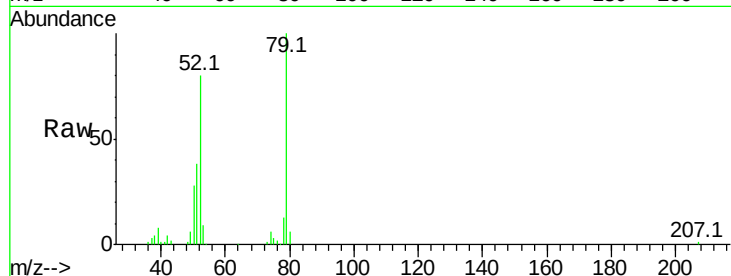
ClientSampleId :

UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 160885 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 79.8  | 64.4  | 96.6   |
| 51        | 38.3  | 30.5  | 45.7   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 41.53 ng

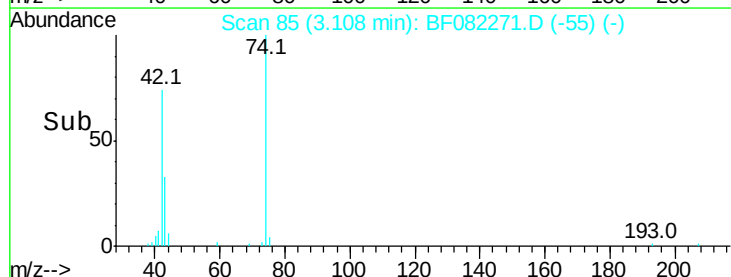
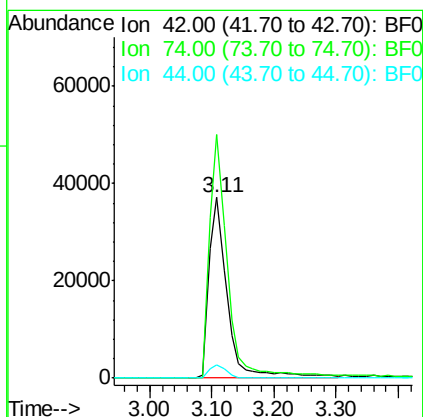
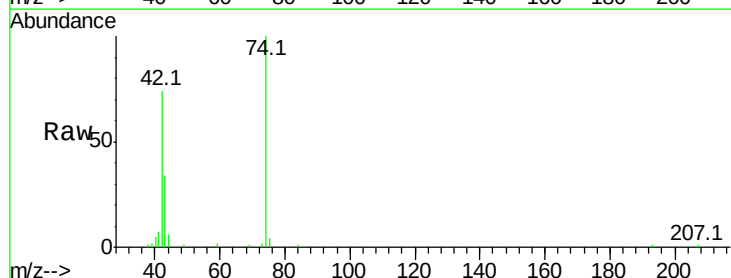
RT: 3.11 min Scan# 85

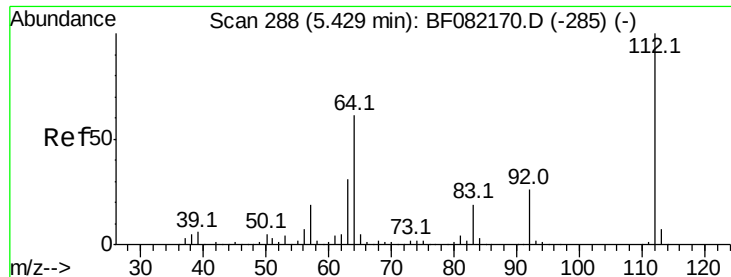
Delta R.T. 0.05 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 76281 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 135.0 | 105.7 | 158.5 |
| 44        | 7.6   | 5.4   | 8.2   |





#5

2-Fluorophenol

Concen: 147.26 ng

RT: 5.43 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

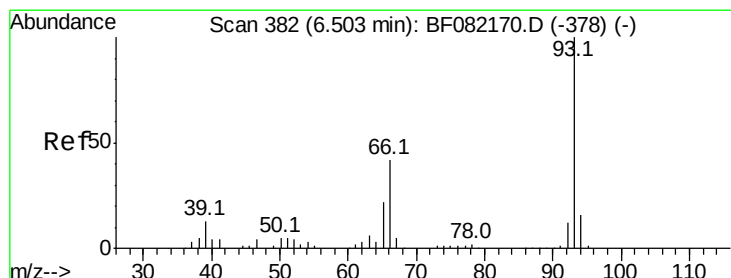
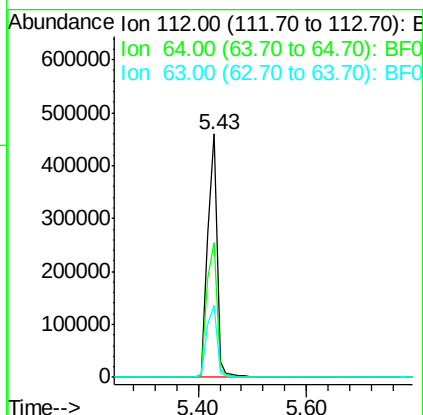
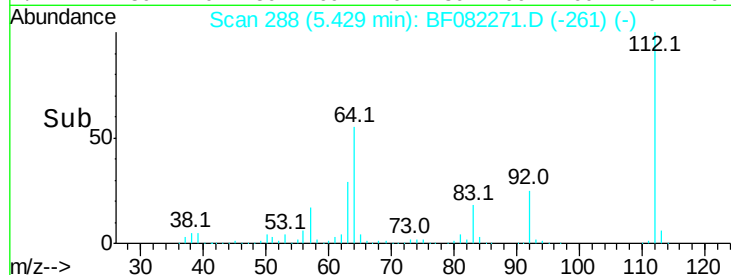
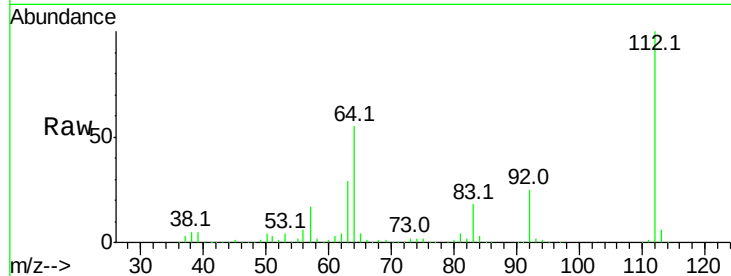
ClientSampleId :

UST-3MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 112  | Resp: | 545757 |
| Ion Ratio |      | Lower | Upper  |
| 112       | 100  |       |        |
| 64        | 55.4 | 48.6  | 73.0   |
| 63        | 29.5 | 25.1  | 37.7   |

Manual Integrations  
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#6

Aniline

Concen: 29.25 ng

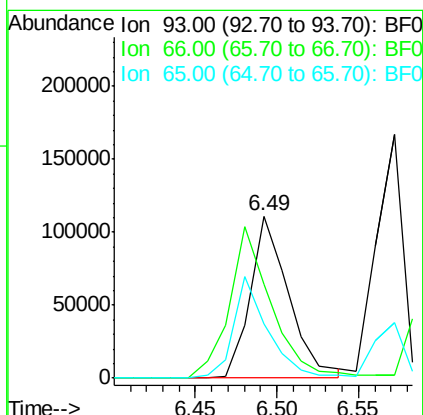
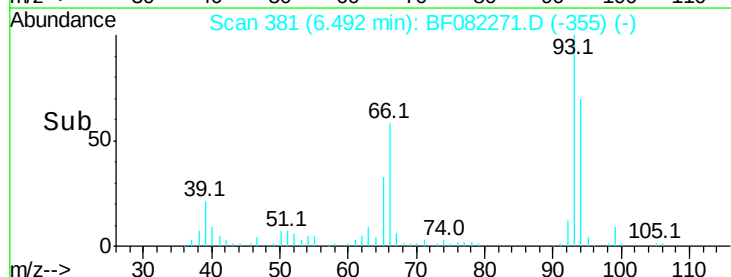
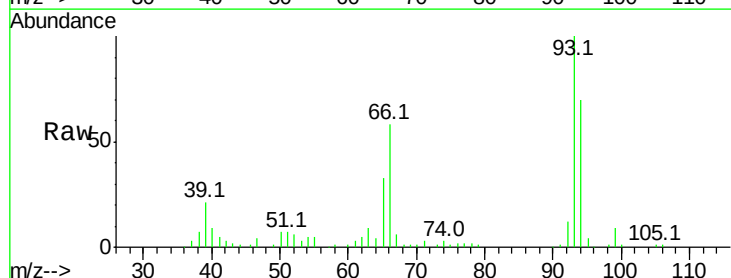
RT: 6.49 min Scan# 381

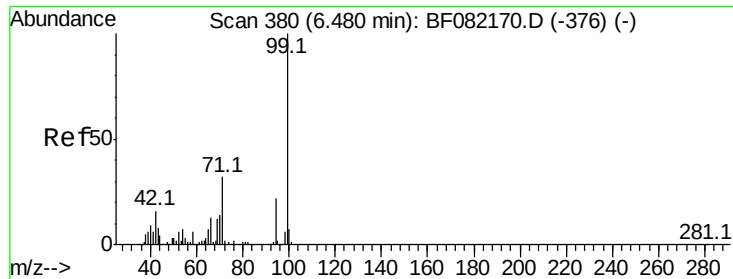
Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 93   | Resp: | 181888 |
| Ion Ratio |      | Lower | Upper  |
| 93        | 100  |       |        |
| 66        | 57.8 | 34.2  | 51.2#  |
| 65        | 33.4 | 17.9  | 26.9#  |





#7

Phenol-d6

Concen: 134.84 ng

RT: 6.47 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

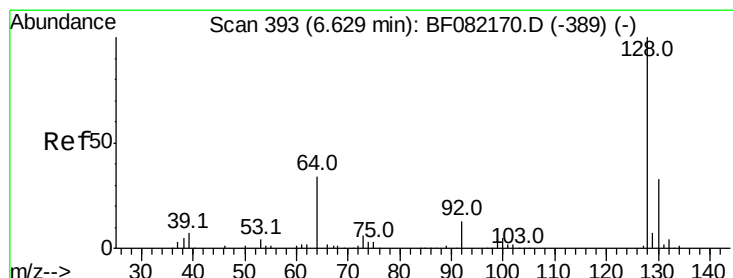
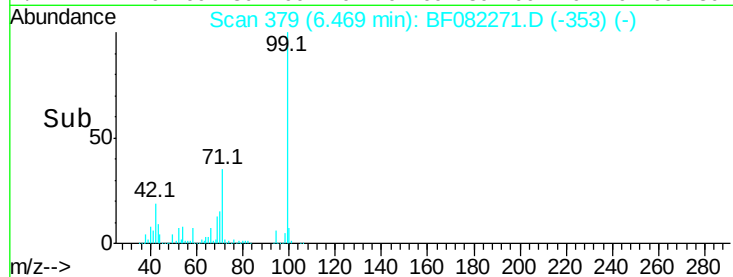
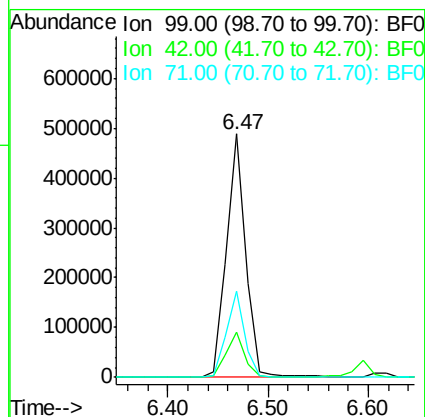
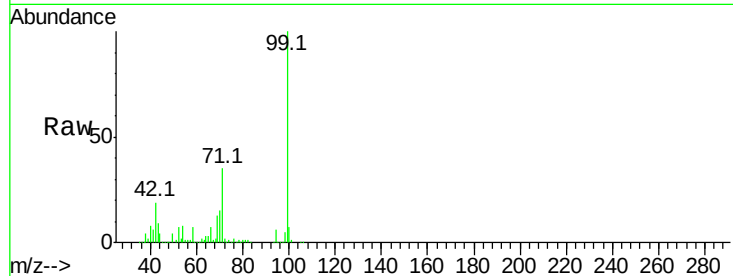
ClientSampleId :

UST-3MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 99      | 100   | 650309 |       |       |
| 42      | 18.6  | 13.2   | 19.8  |       |
| 71      | 35.2  | 25.6   | 38.4  |       |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 41.88 ng

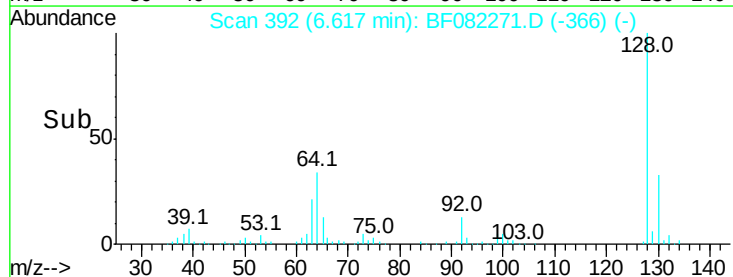
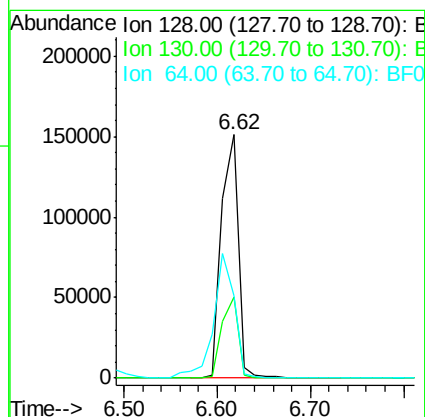
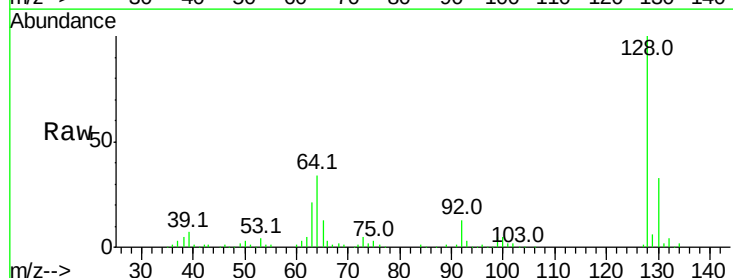
RT: 6.62 min Scan# 392

Delta R.T. 0.00 min

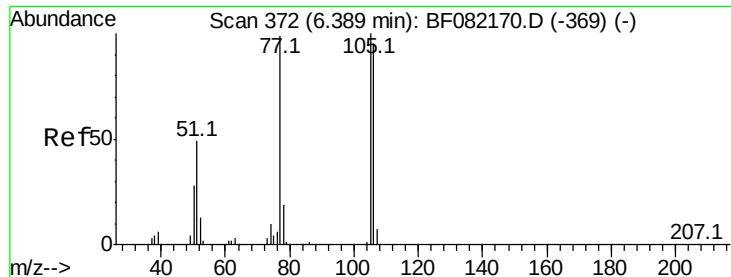
Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 189487 |       |       |
| 130     | 33.3  | 12.6   | 52.6  |       |
| 64      | 34.0  | 16.7   | 56.7  |       |







#9

Benzaldehyde

Concen: 41.38 ng

RT: 6.38 min Scan# 371

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

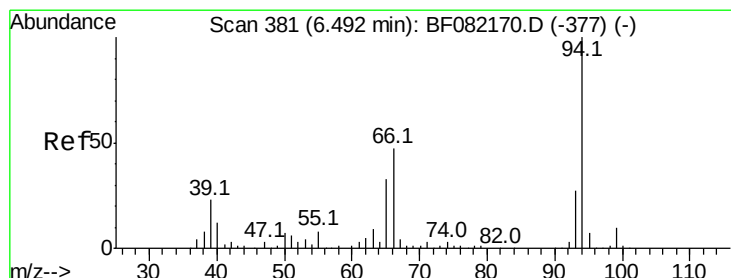
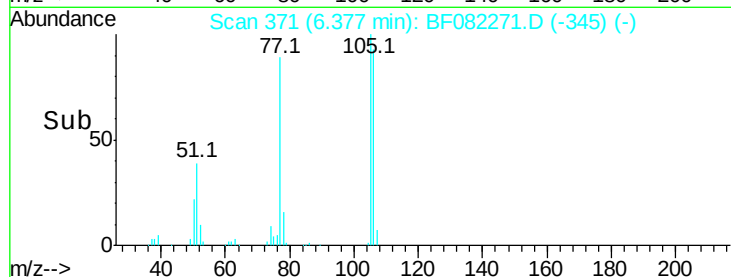
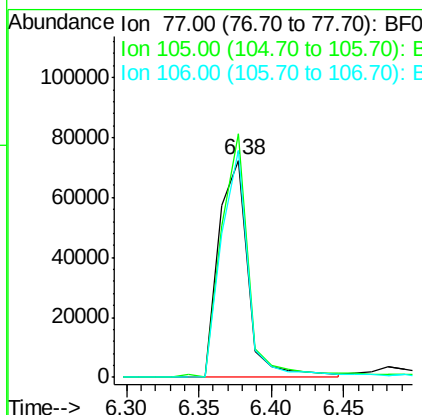
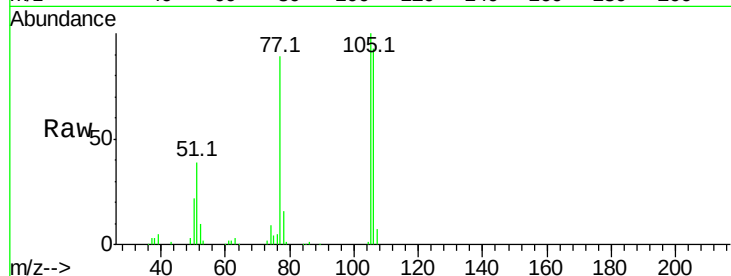
ClientSampleId :

UST-3MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 101902 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 112.1 | 80.6  | 120.6  |
| 106      | 104.7 | 75.5  | 115.5  |

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MMdadoda  
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#10

Phenol

Concen: 40.28 ng

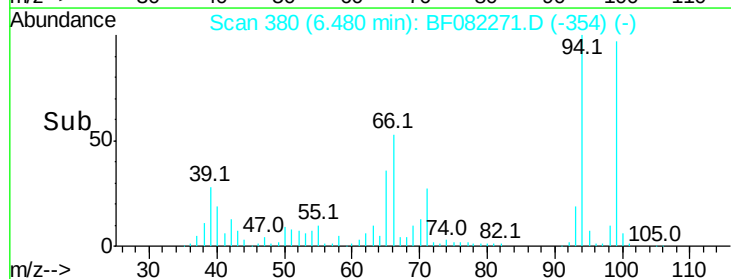
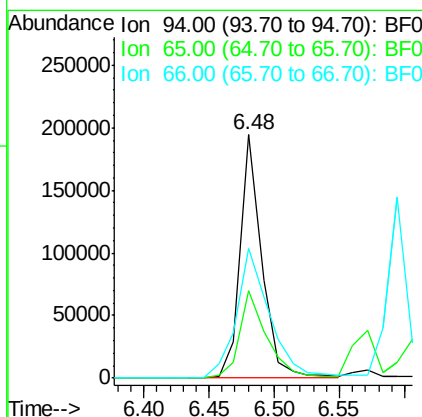
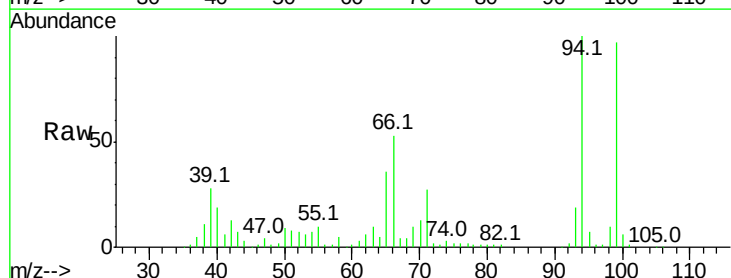
RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

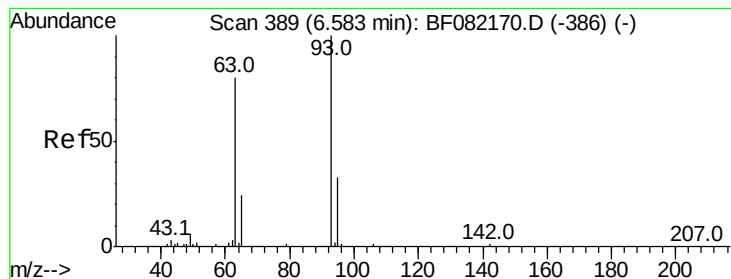
Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 223974 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 36.0  | 12.6  | 52.6   |
| 66       | 53.4  | 27.3  | 67.3   |







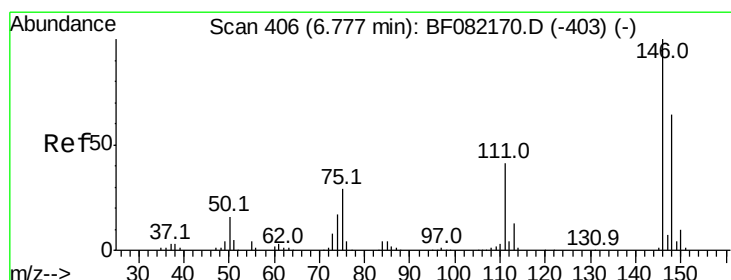
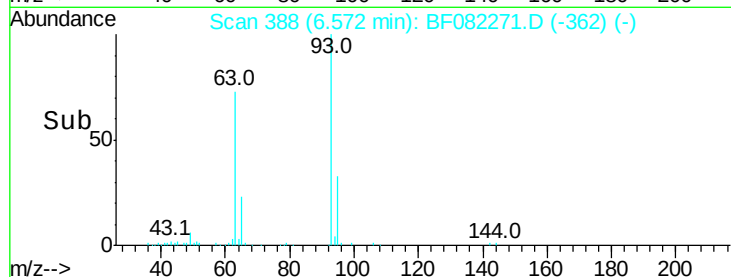
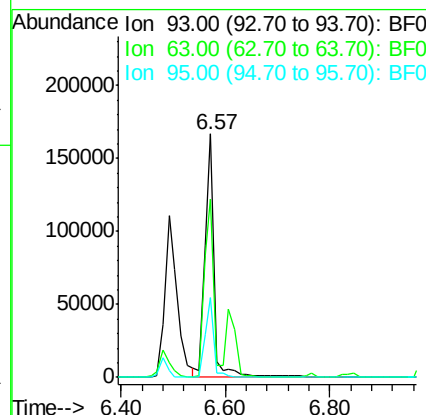
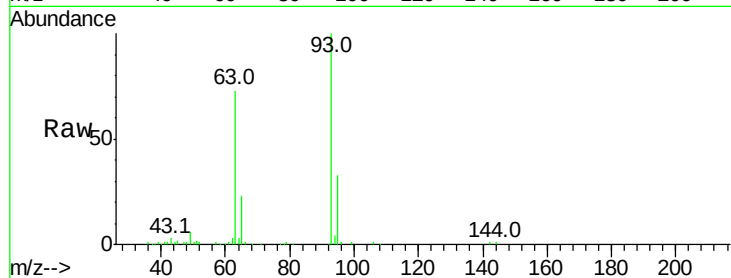
#11  
bis(2-Chloroethyl)ether  
Concen: 43.36 ng  
RT: 6.57 min Scan# 388  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 73.5  | 57.1  | 97.1  |
| 95      | 32.9  | 11.9  | 51.9  |

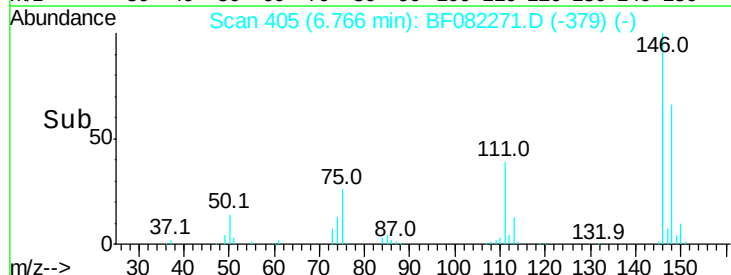
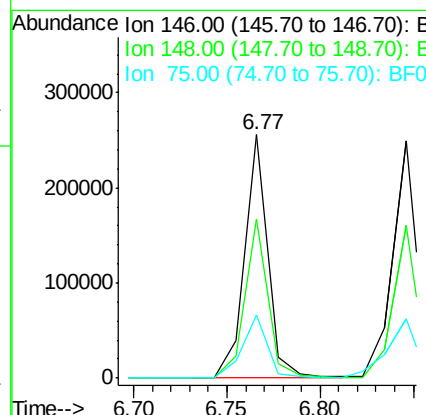
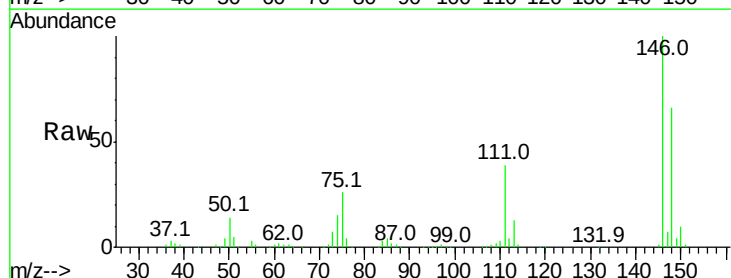
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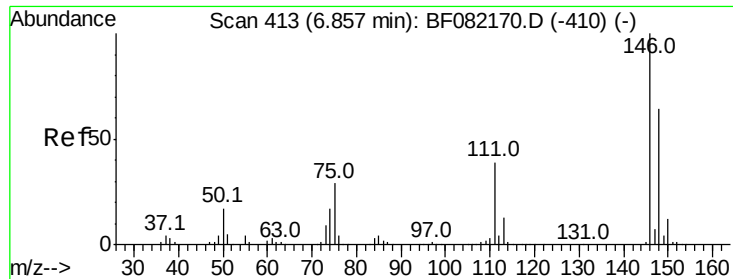
MMdadoda  
10/14/2015 3:51:24 PM



#12  
1,3-Dichlorobenzene  
Concen: 42.27 ng  
RT: 6.77 min Scan# 405  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.5  | 51.4  | 77.2  |
| 75      | 25.8  | 23.0  | 34.6  |





#13

1,4-Dichlorobenzene

Concen: 41.64 ng

RT: 6.85 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

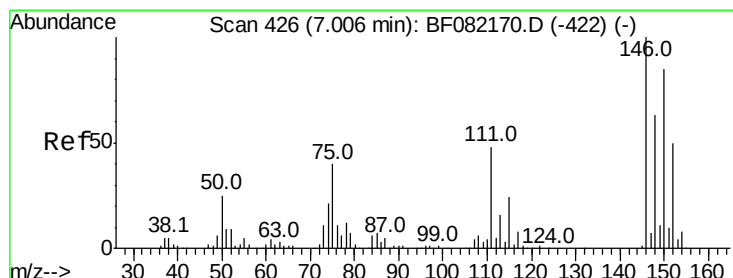
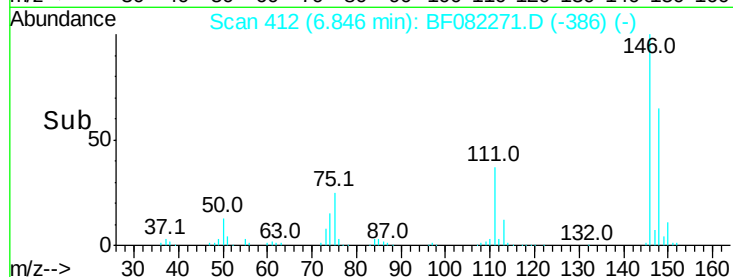
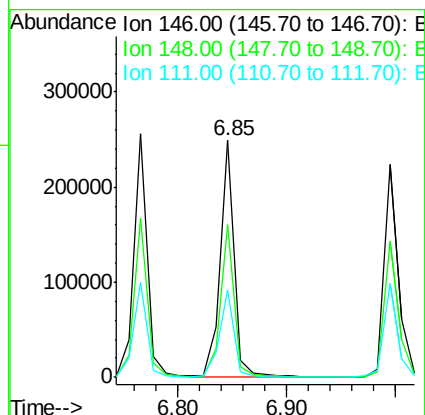
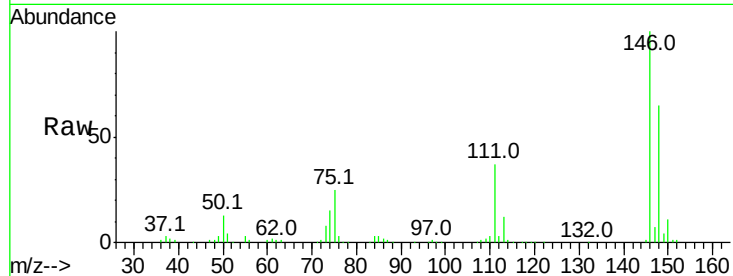
ClientSampleId :

UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 229116 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.6  | 51.0  | 76.4   |
| 111       | 36.9  | 31.1  | 46.7   |

Manual Integrations  
APPROVED

MMdadoda  
10/14/2015 3:51:24 PM



#14

1,2-Dichlorobenzene

Concen: 39.99 ng

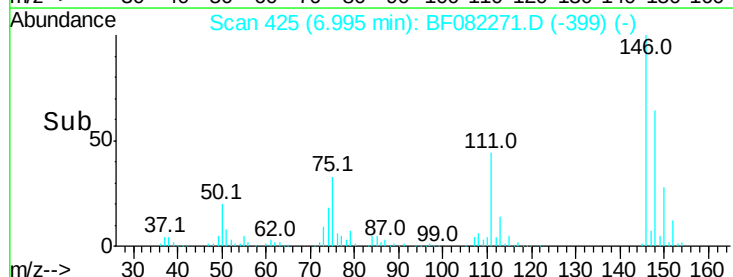
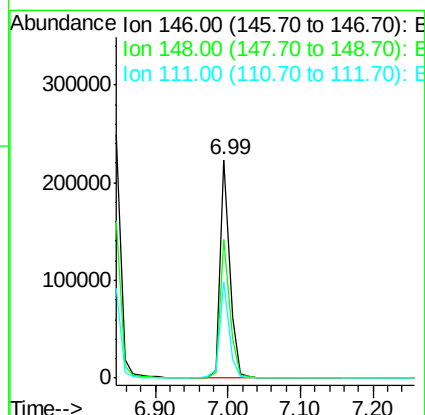
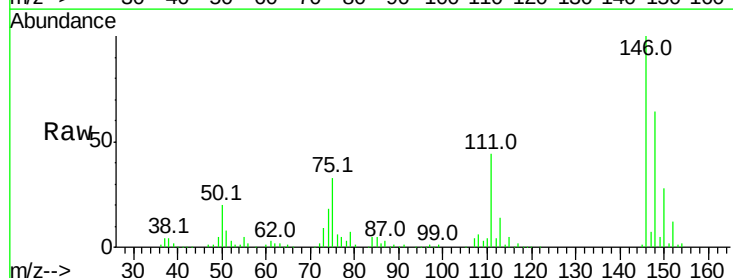
RT: 6.99 min Scan# 425

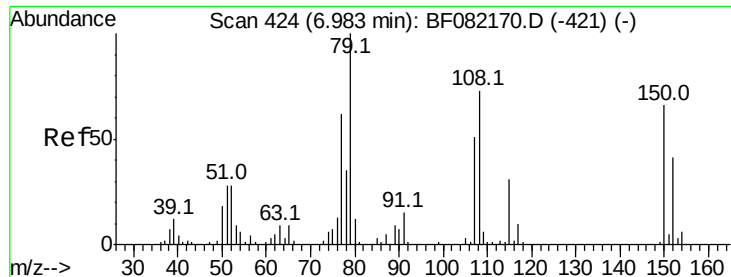
Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 208928 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.8  | 50.5  | 75.7   |
| 111       | 44.1  | 38.5  | 57.7   |





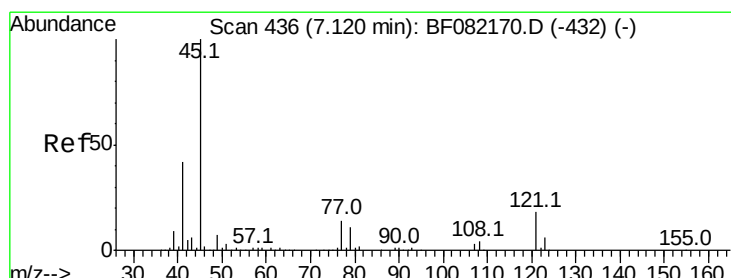
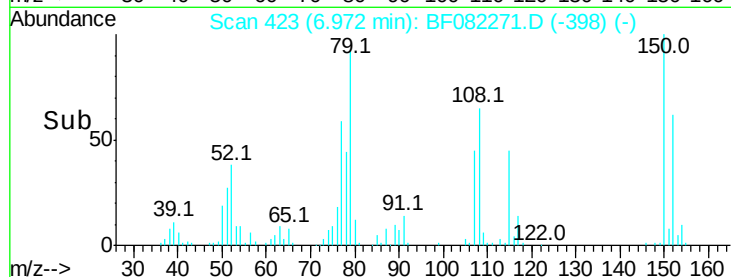
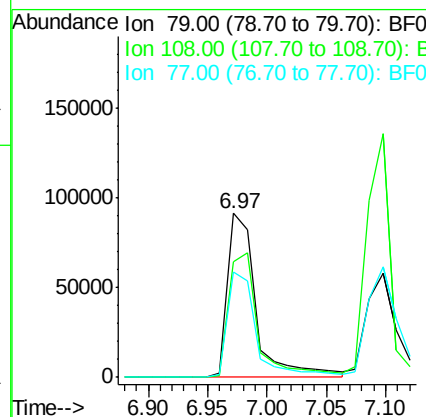
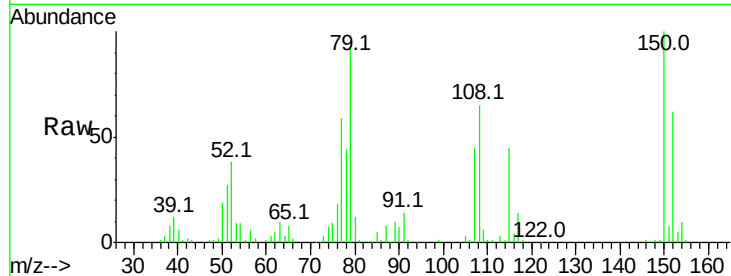
#15  
Benzyl Alcohol  
Concen: 45.73 ng  
RT: 6.97 min Scan# 423  
Delta R.T. -0.01 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 70.3  | 58.4  | 87.6  |
| 77      | 63.9  | 49.8  | 74.6  |

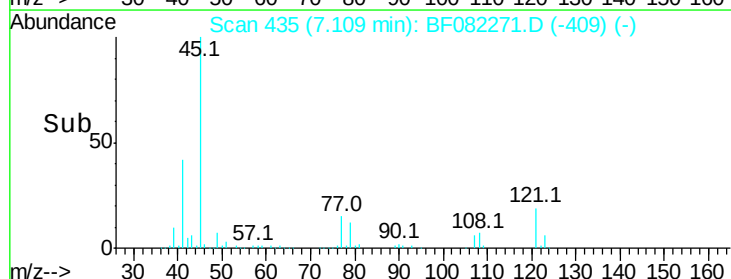
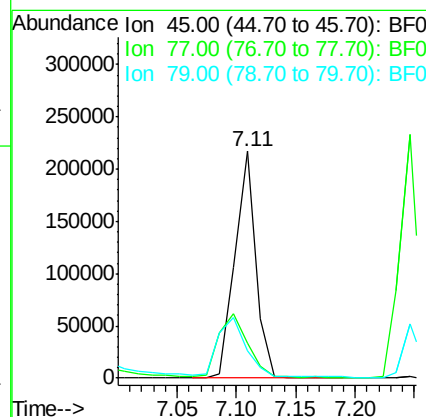
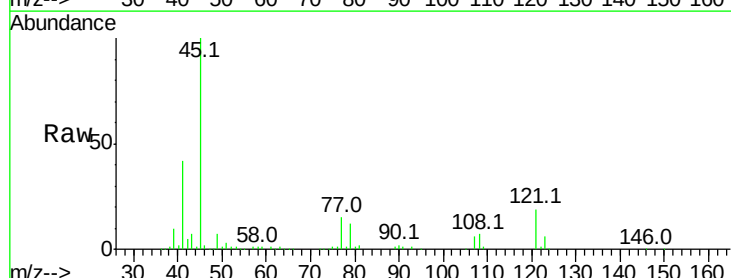
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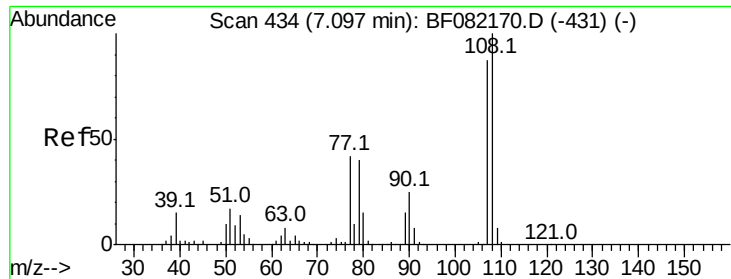
MMdadoda  
10/14/2015 3:51:24 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.46 ng  
RT: 7.11 min Scan# 435  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 15.3  | 0.0   | 34.5  |
| 79      | 12.3  | 0.0   | 31.6  |





#17

2-Methylphenol

Concen: 45.01 ng

RT: 7.10 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

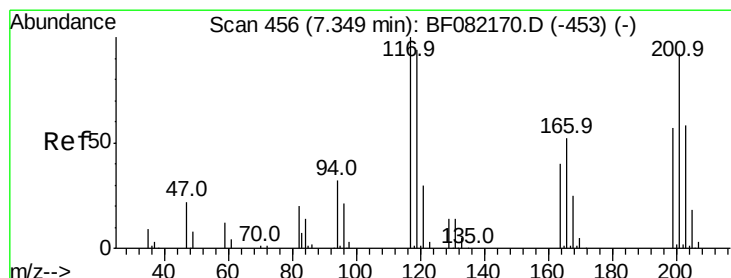
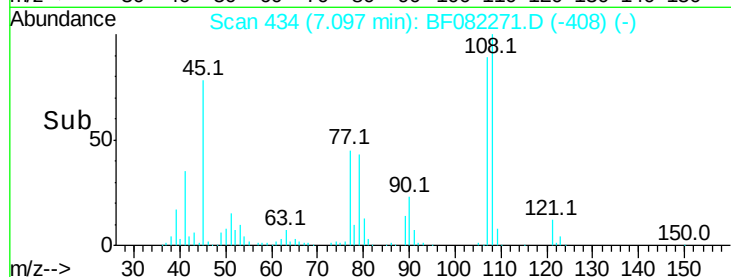
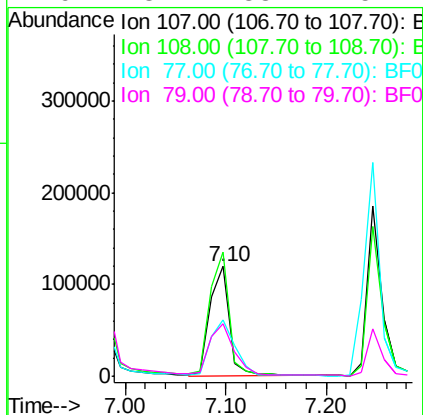
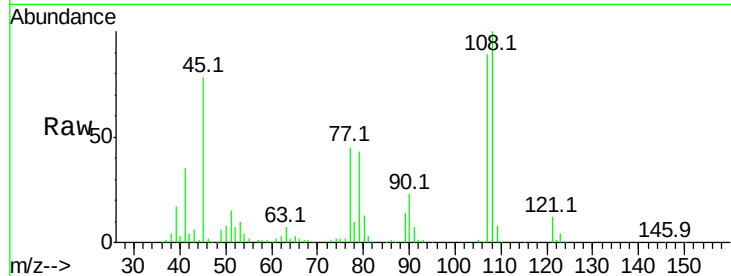
ClientSampleId :

UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 107   | Resp: | 161031 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 113.0 | 92.2  | 138.2  |
| 77        | 51.2  | 39.6  | 59.4   |
| 79        | 48.1  | 38.2  | 57.4   |

Manual Integrations  
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MMdadoda  
10/14/2015 3:51:24 PM



#18

Hexachloroethane

Concen: 39.34 ng

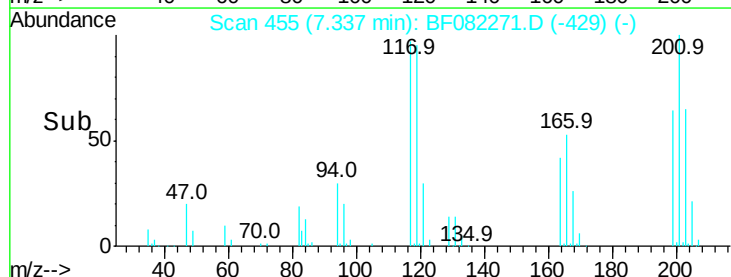
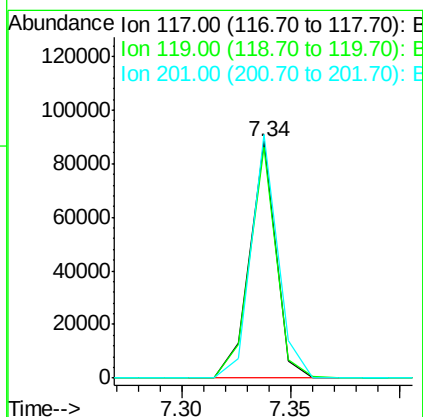
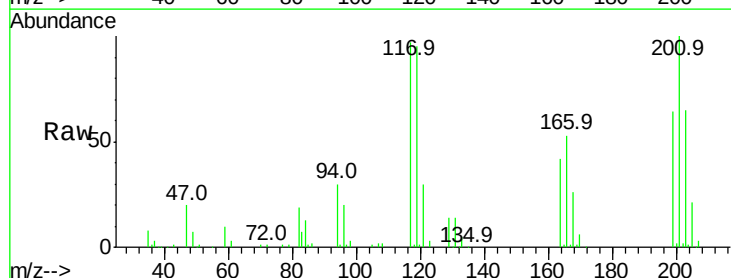
RT: 7.34 min Scan# 455

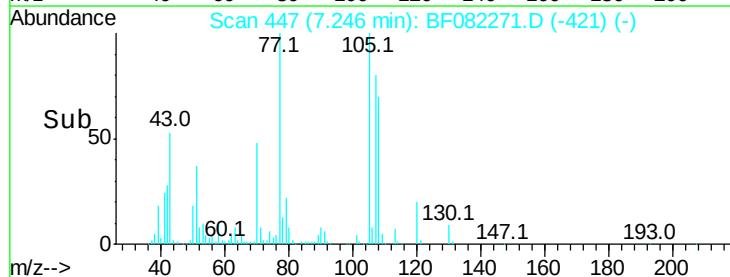
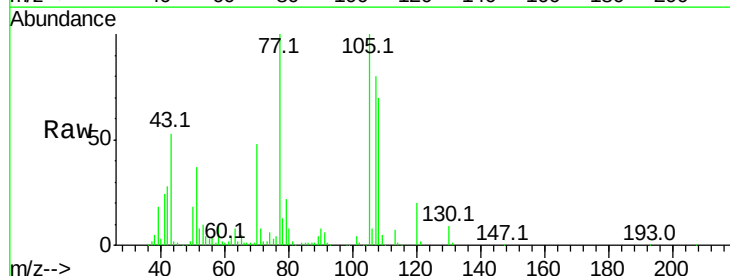
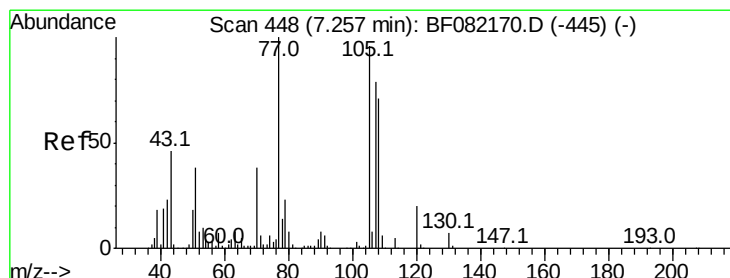
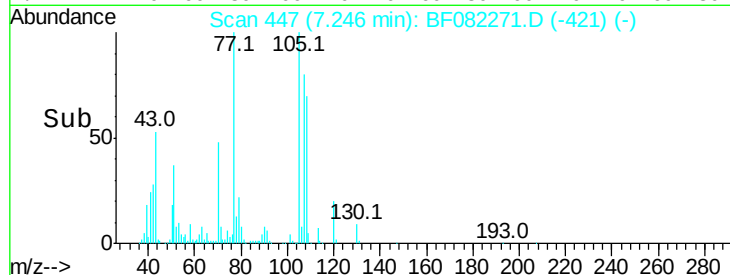
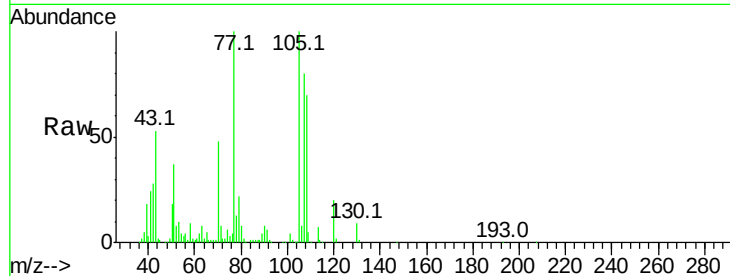
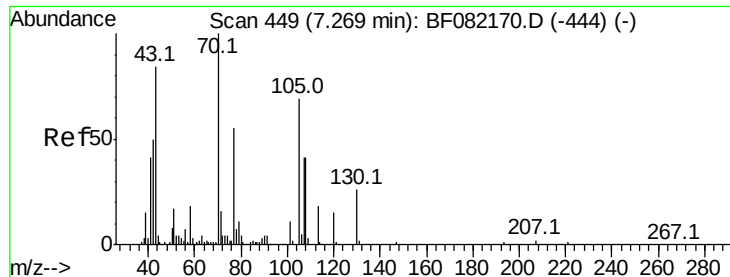
Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 74085 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 97.3  | 75.4  | 113.2 |
| 201       | 102.9 | 73.4  | 110.0 |





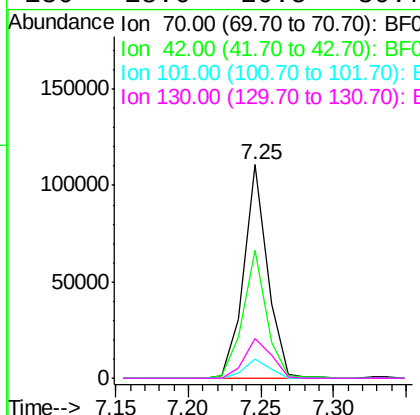
#19  
n-Nitroso-di-n-propylamine  
Concen: 37.27 ng  
RT: 7.25 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 59.9 | 39.8  | 59.8# |       |
| 101     | 9.2  | 8.6   | 13.0  |       |
| 130     | 18.6 | 20.5  | 30.7# |       |

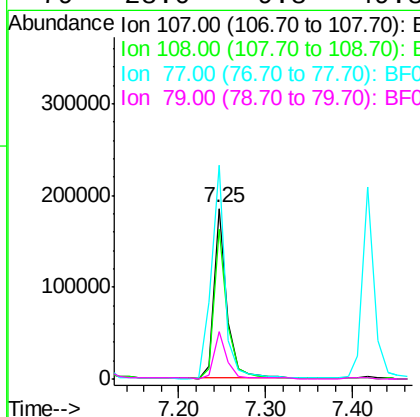
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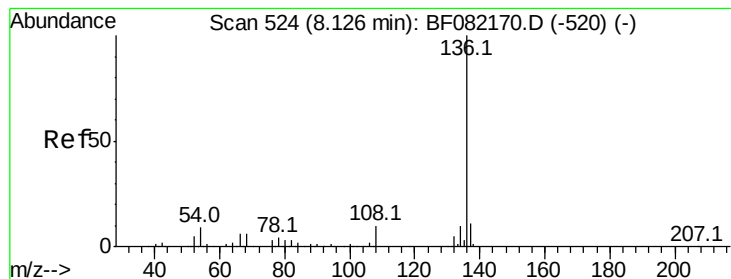
MMdadoda  
10/14/2015 3:51:24 PM



#20  
3+4-Methylphenols  
Concen: 45.36 ng  
RT: 7.25 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 107     | 100   |       |       |       |
| 108     | 87.8  | 69.9  | 109.9 |       |
| 77      | 125.4 | 106.0 | 146.0 |       |
| 79      | 28.0  | 9.8   | 49.8  |       |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

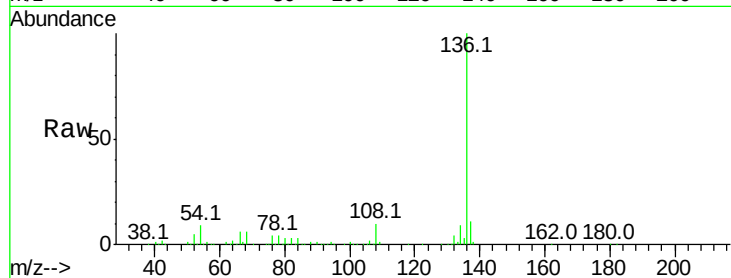
ClientSampleId :

UST-3MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 295384 |       |       |
| 137     | 11.2  | 9.0    | 13.6  |       |
| 54      | 9.4   | 7.5    | 11.3  |       |
| 68      | 5.7   | 4.6    | 7.0   |       |

Manual Integrations  
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MMdadoda  
10/14/2015 3:51:24 PM

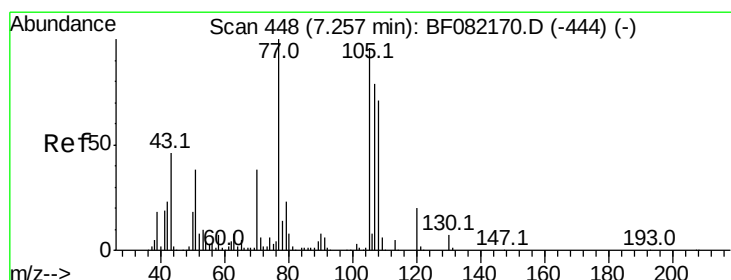
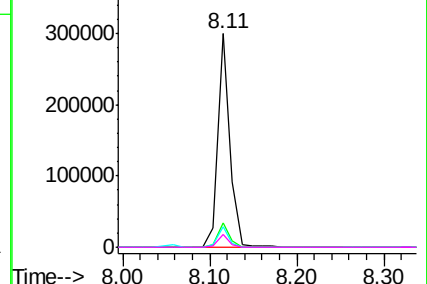
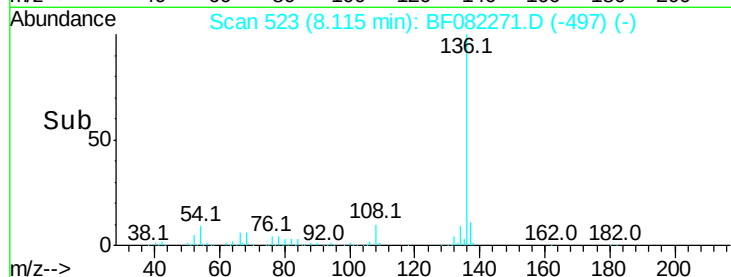


Abundance Ion 136.00 (135.70 to 136.70): E

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: 46.18 ng

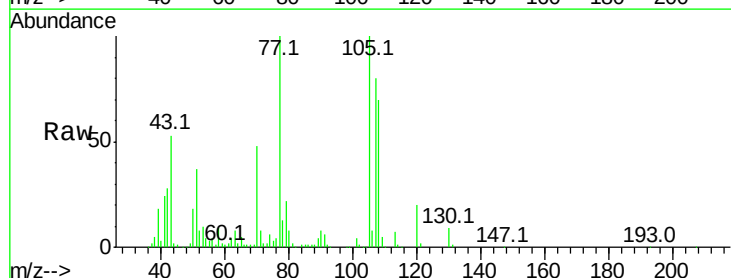
RT: 7.25 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 269857 |       |       |
| 71      | 7.9   | 5.4    | 8.0   |       |
| 51      | 36.6  | 31.8   | 47.6  |       |
| 120     | 20.4  | 16.3   | 24.5  |       |

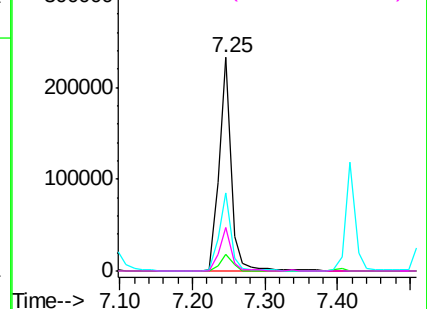
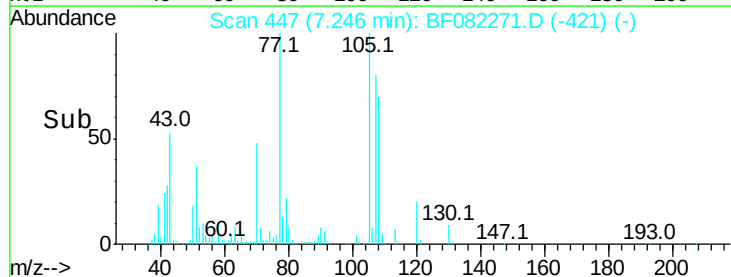


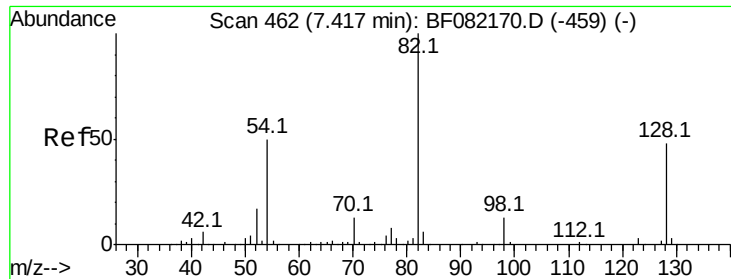
Abundance Ion 105.00 (104.70 to 105.70): E

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





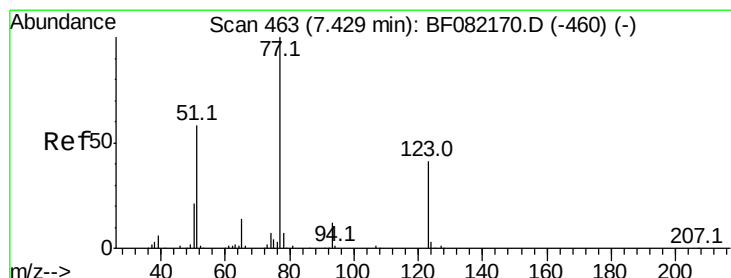
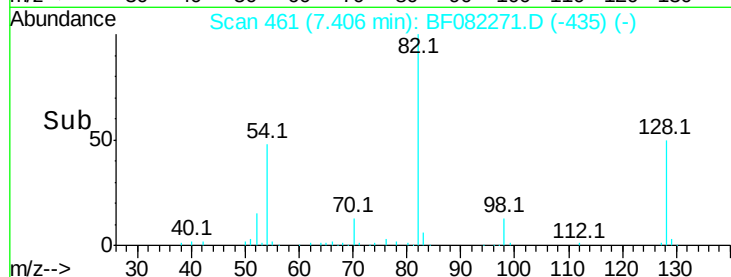
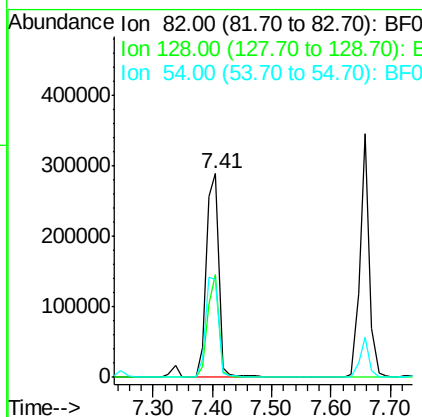
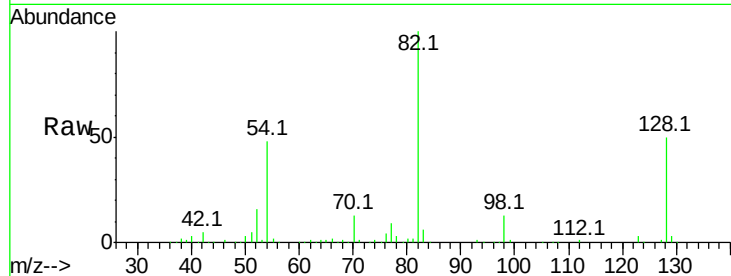
#23  
Nitrobenzene-d5  
Concen: 97.30 ng  
RT: 7.41 min Scan# 461  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 50.2  | 38.7  | 58.1  |
| 54      | 47.8  | 40.1  | 60.1  |

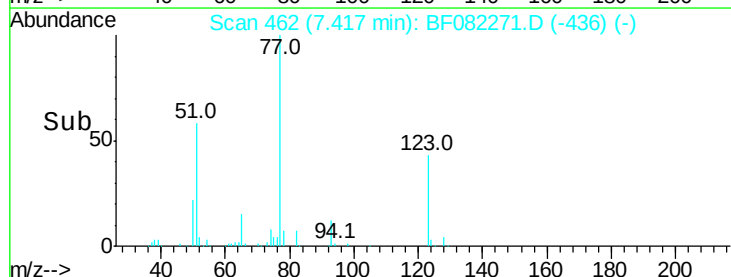
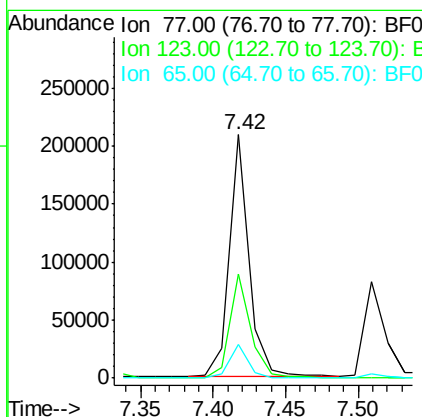
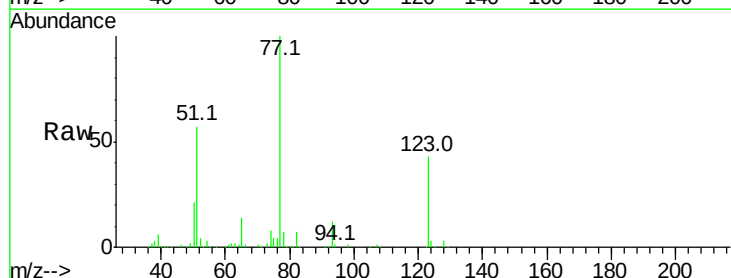
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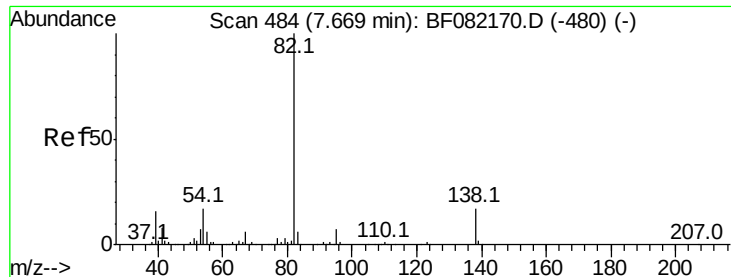


#24  
Nitrobenzene  
Concen: 41.54 ng  
RT: 7.42 min Scan# 462  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 43.0  | 33.0  | 49.4  |
| 65      | 14.0  | 11.2  | 16.8  |







#25

Isophorone

Concen: 41.94 ng

RT: 7.66 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

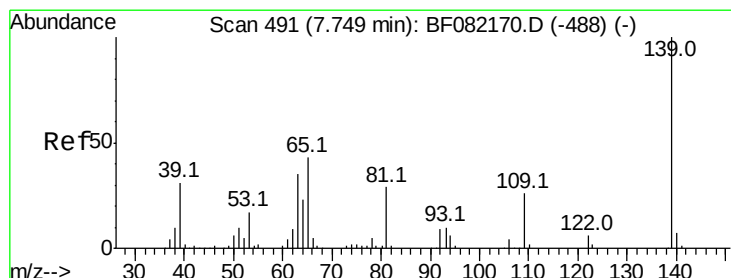
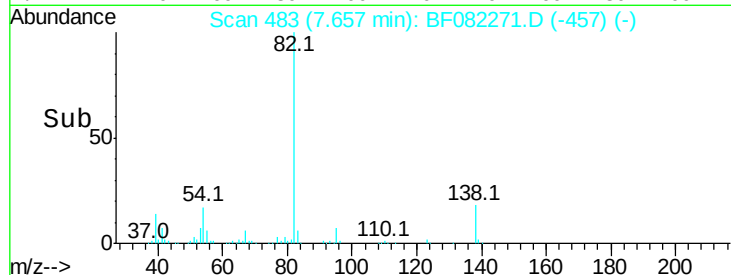
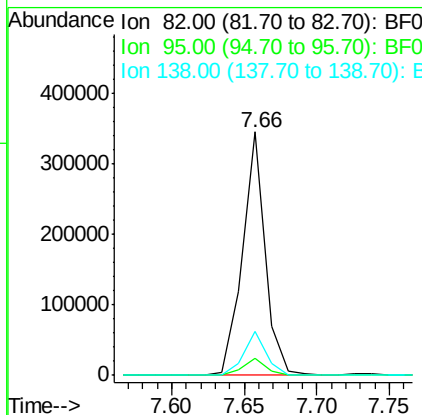
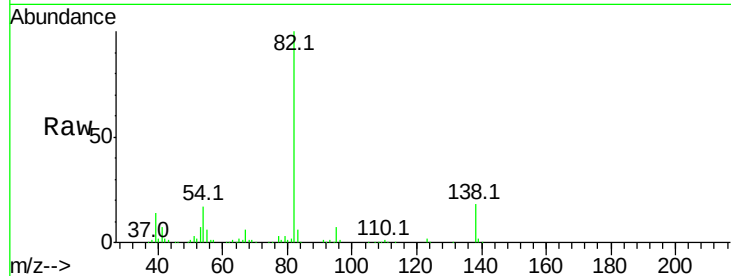
ClientSampleId :

UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 372333 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.1   | 5.6   | 8.4    |
| 138       | 18.1  | 13.6  | 20.4   |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 47.76 ng

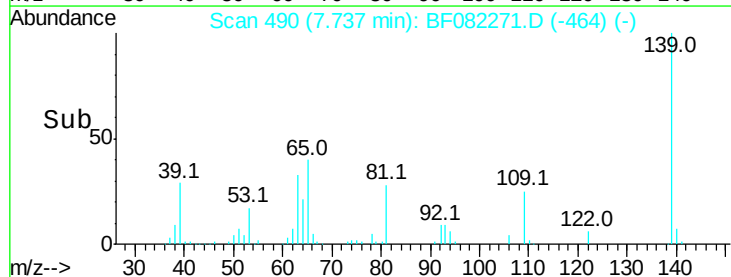
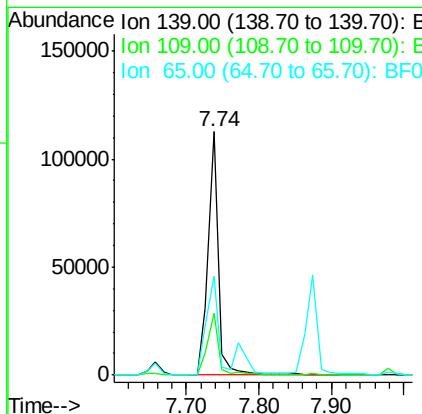
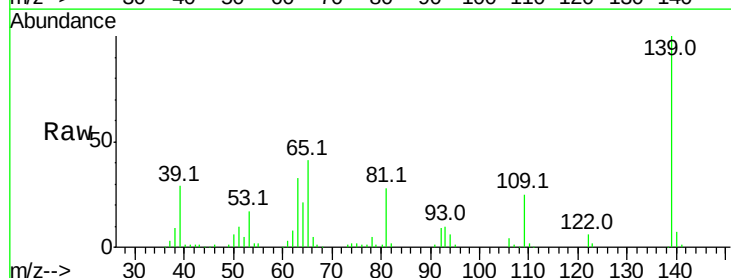
RT: 7.74 min Scan# 490

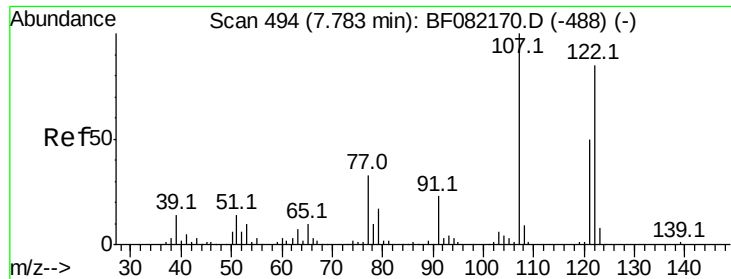
Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 113544 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 25.5  | 20.6  | 31.0   |
| 65        | 40.8  | 34.3  | 51.5   |





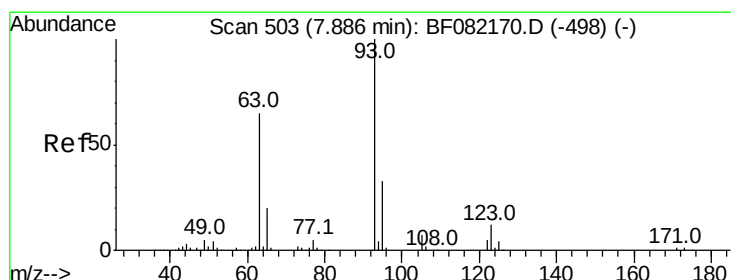
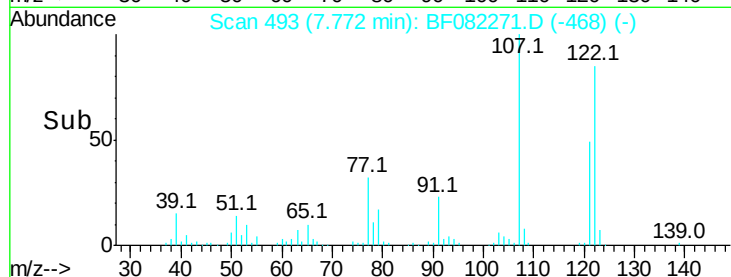
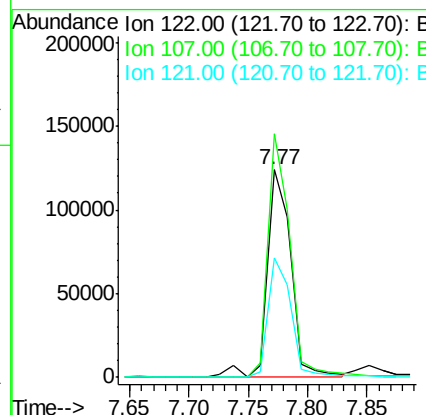
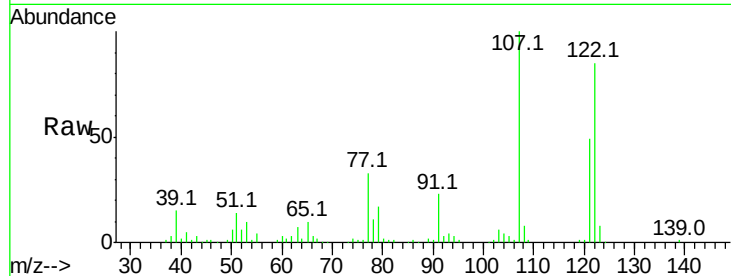
#27  
 2,4-Dimethylphenol  
 Concen: 45.24 ng  
 RT: 7.77 min Scan# 493  
 Delta R.T. -0.01 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 173257 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 117.5 | 94.0  | 141.0  |
| 121       | 57.8  | 46.8  | 70.2   |

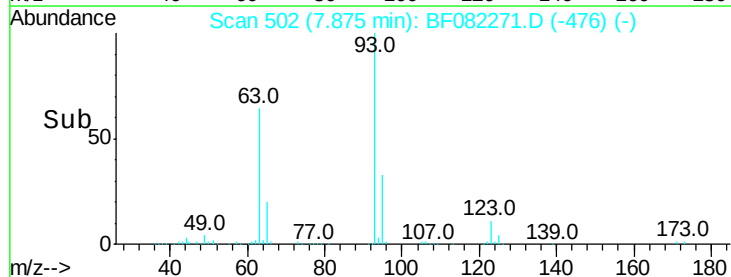
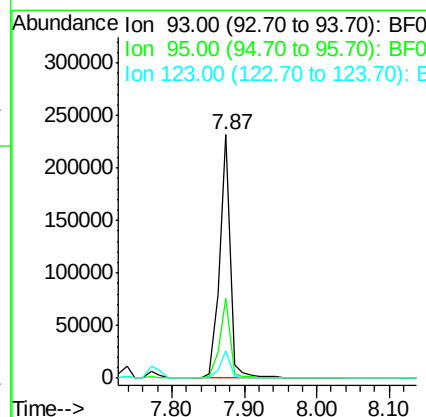
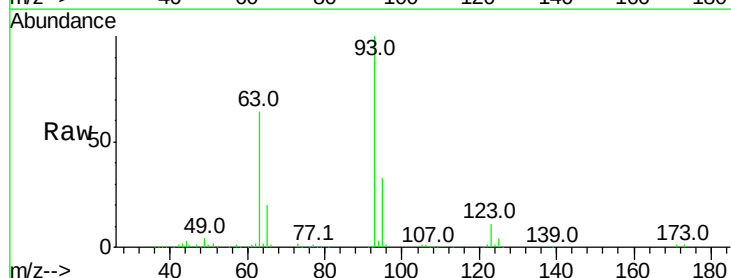
Manual Integrations  
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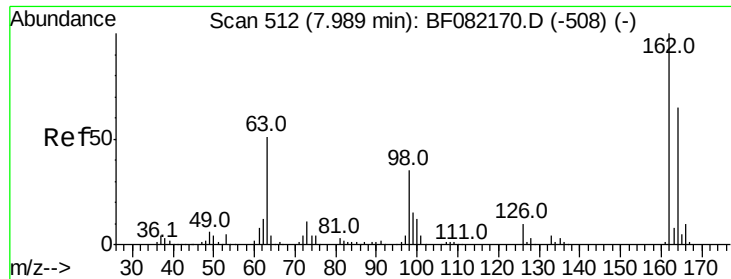
MMdadoda  
 10/14/2015 3:51:24 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 46.10 ng  
 RT: 7.87 min Scan# 502  
 Delta R.T. 0.00 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 238132 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 33.0  | 26.6  | 39.8   |
| 123       | 11.0  | 9.5   | 14.3   |





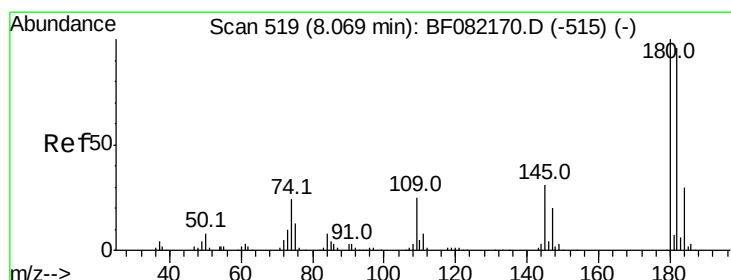
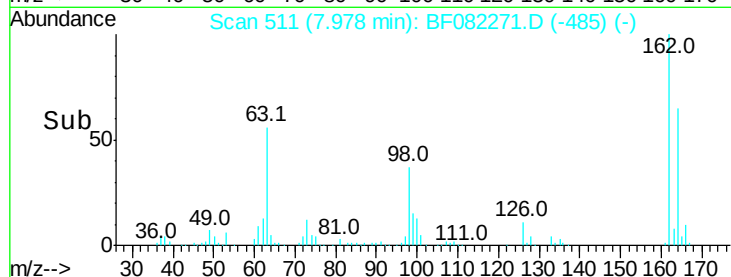
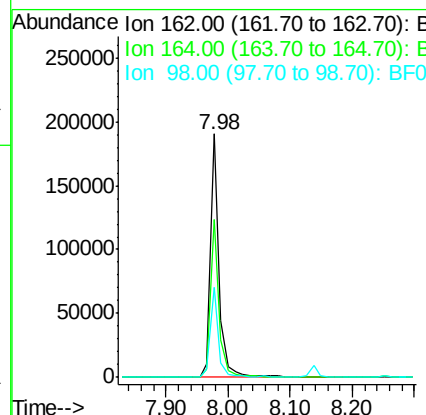
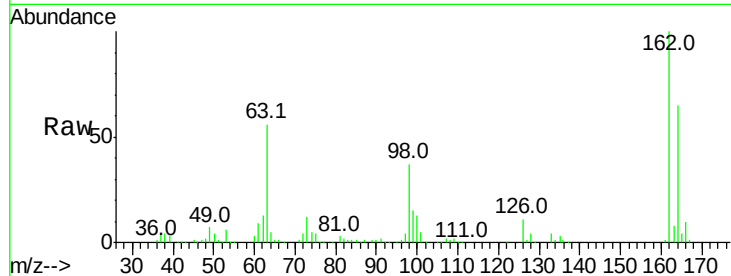
#29  
 2,4-Dichlorophenol  
 Concen: 48.55 ng  
 RT: 7.98 min Scan# 511  
 Delta R.T. 0.00 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-3MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 162     | 100  |       | 185884 |       |       |
| 164     | 64.9 | 44.6  | 84.6   |       |       |
| 98      | 37.1 | 15.0  | 55.0   |       |       |

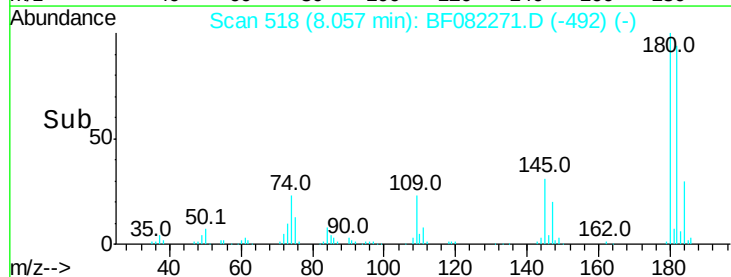
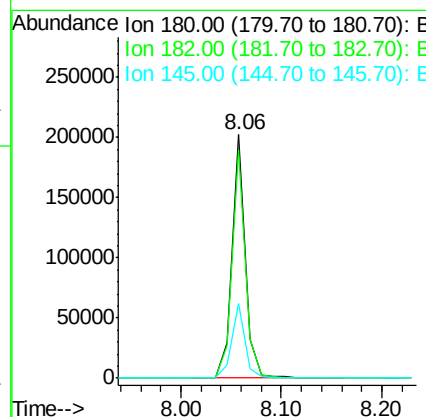
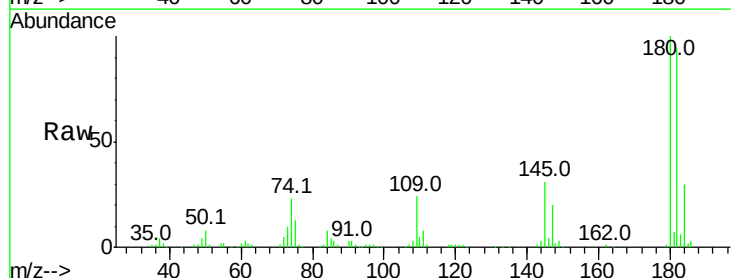
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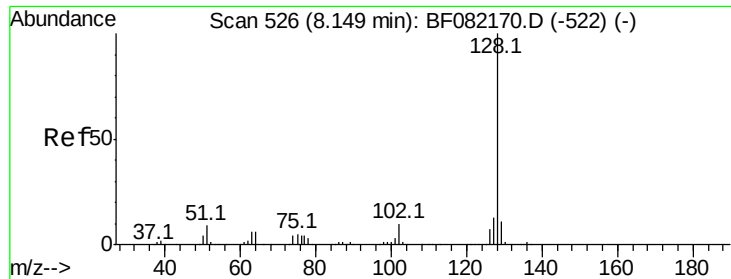
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.17 ng  
 RT: 8.06 min Scan# 518  
 Delta R.T. 0.00 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 180     | 100  |       | 186102 |       |       |
| 182     | 94.0 | 77.0  | 115.4  |       |       |
| 145     | 30.6 | 25.0  | 37.4   |       |       |





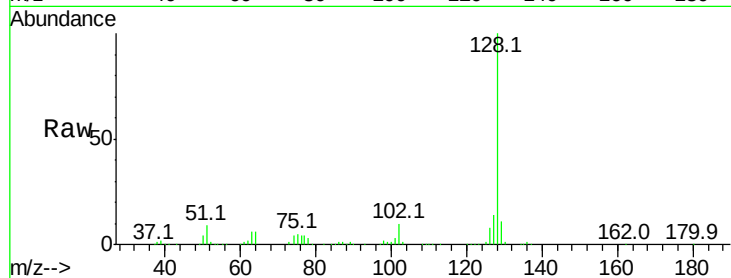
#31  
Naphthalene  
Concen: 43.66 ng  
RT: 8.14 min Scan# 525  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 11.3  | 9.1  | 13.7  |       |
| 127     | 13.7  | 10.7 | 16.1  |       |

Manual Integrations  
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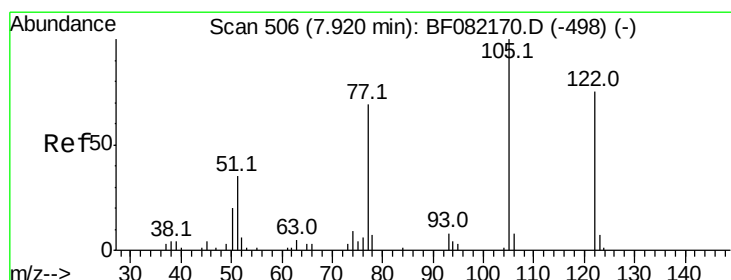
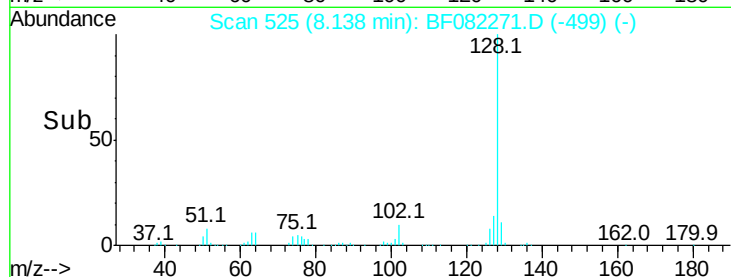
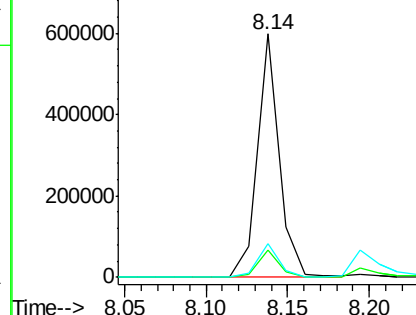


Abundance

Ion 128.00 (127.70 to 128.70): E

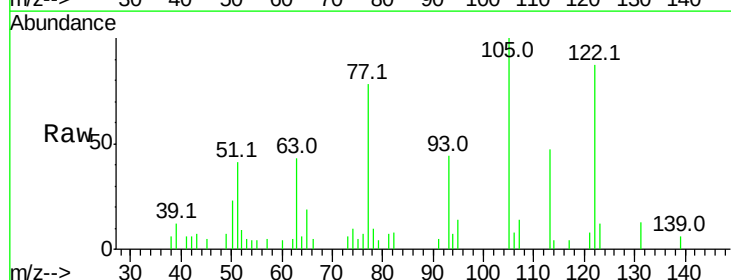
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 5.59 ng  
RT: 7.85 min Scan# 500  
Delta R.T. -0.03 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |
| 105     | 115.4 | 104.4 | 144.4 |       |
| 77      | 89.9  | 69.0  | 109.0 |       |

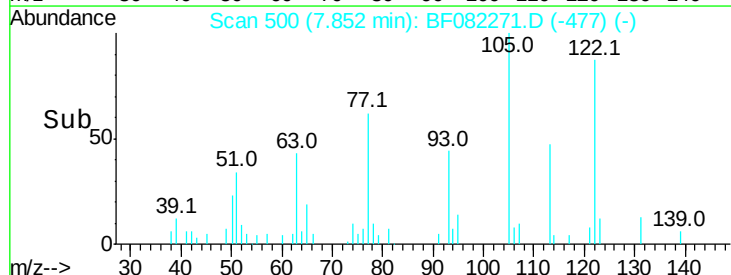
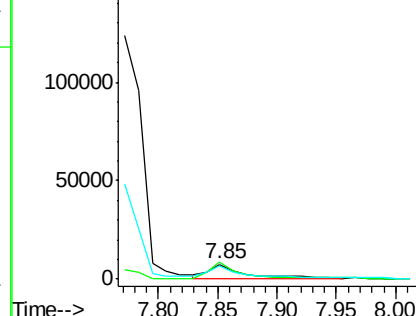


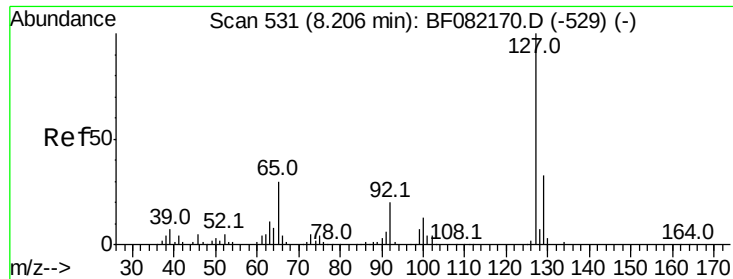
Abundance

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





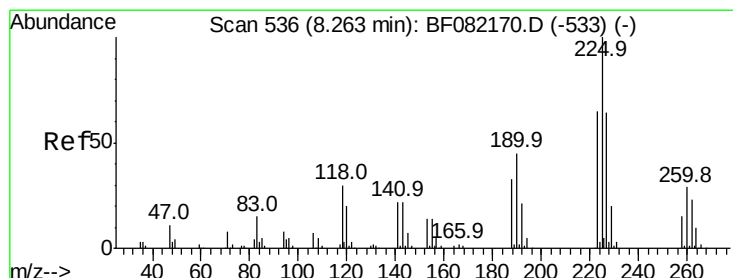
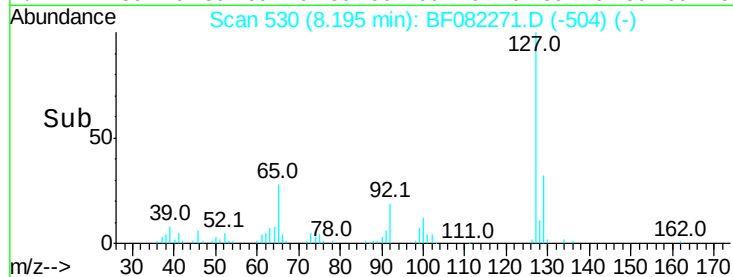
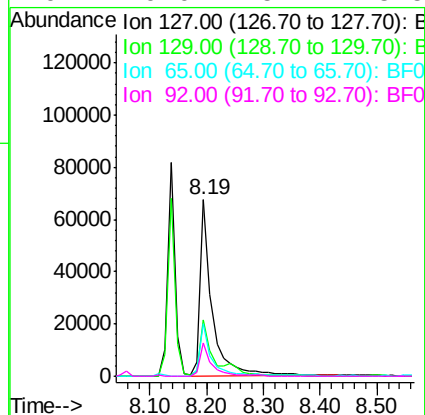
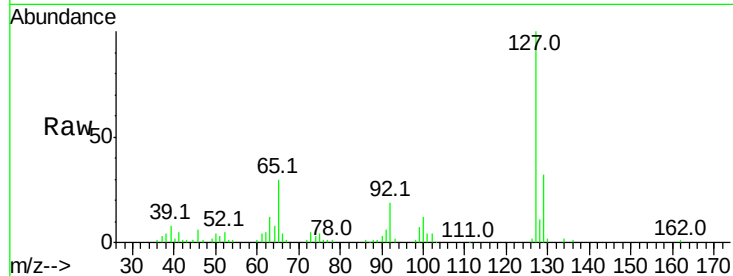
#33  
4-Chloroaniline  
Concen: 18.49 ng  
RT: 8.19 min Scan# 530  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.1 | 26.3  | 39.5 |       |       |
| 65      | 29.9 | 24.4  | 36.6 |       |       |
| 92      | 19.0 | 15.7  | 23.5 |       |       |

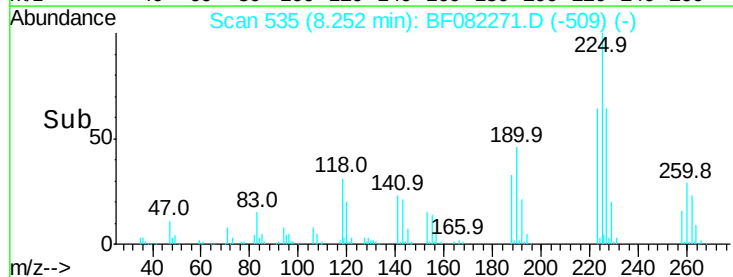
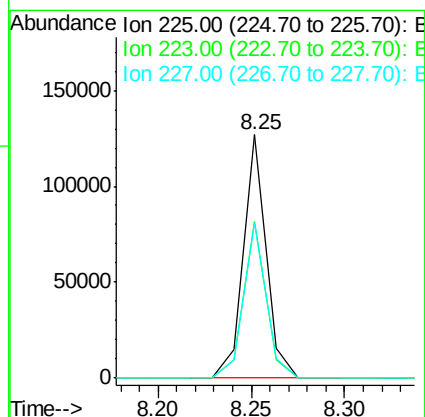
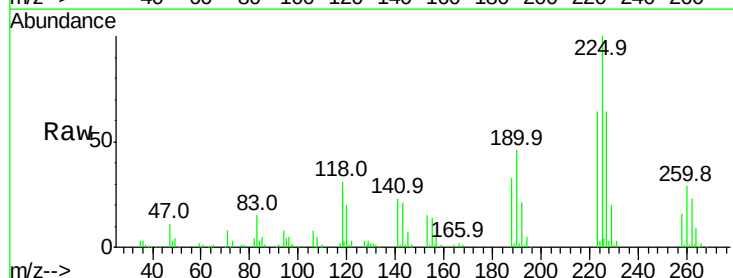
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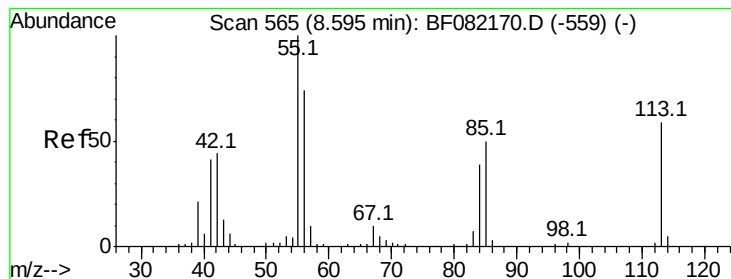
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#34  
Hexachlorobutadiene  
Concen: 39.42 ng  
RT: 8.25 min Scan# 535  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 64.3 | 52.2  | 78.2 |       |       |
| 227     | 64.0 | 51.3  | 76.9 |       |       |





#35

Caprolactam

Concen: 46.77 ng

RT: 8.56 min Scan# 562

Delta R.T. -0.02 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

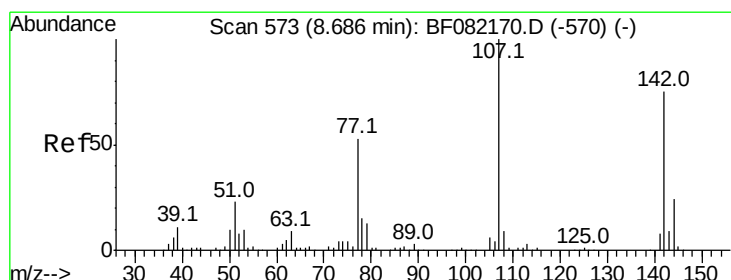
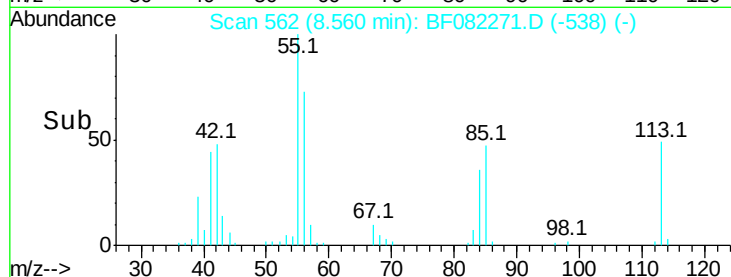
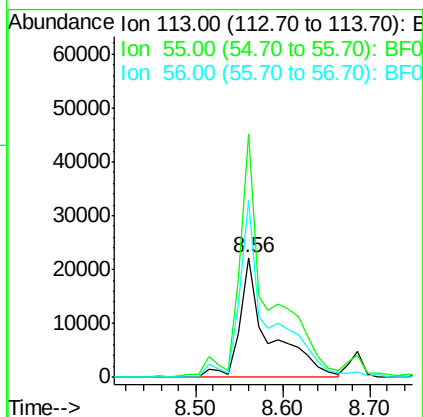
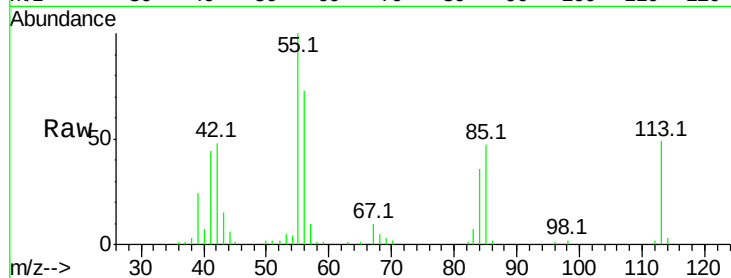
ClientSampleId :

UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 51966  |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 203.0 | 149.7 | 189.7# |
| 56        | 148.0 | 105.4 | 145.4# |

Manual Integrations  
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#36

4-Chloro-3-methylphenol

Concen: 50.60 ng

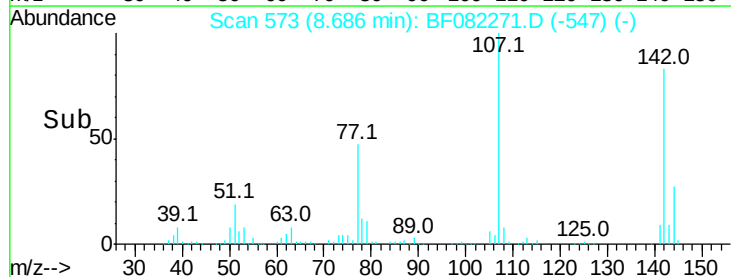
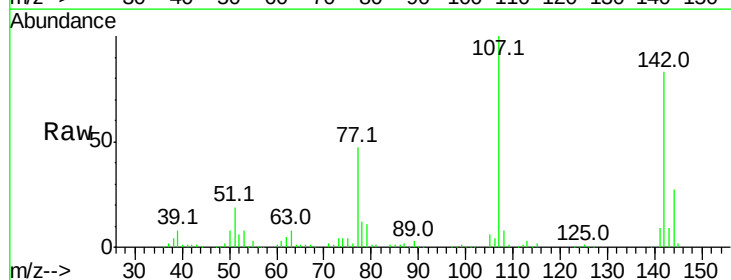
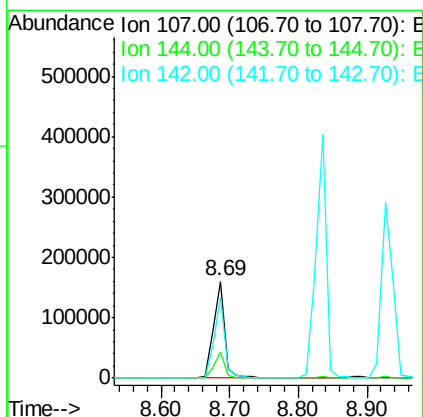
RT: 8.69 min Scan# 573

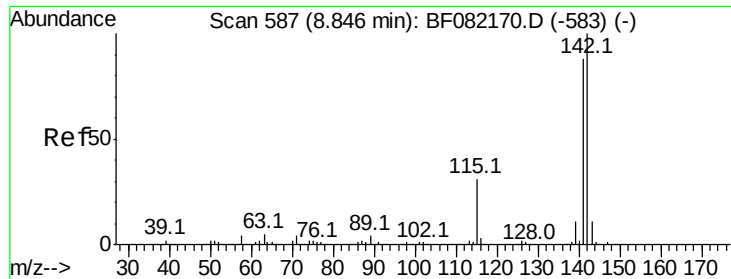
Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 189445 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 26.9  | 19.3  | 28.9   |
| 142       | 83.1  | 59.9  | 89.9   |





#37

2-Methylnaphthalene

Concen: 45.20 ng

RT: 8.83 min Scan# 586

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

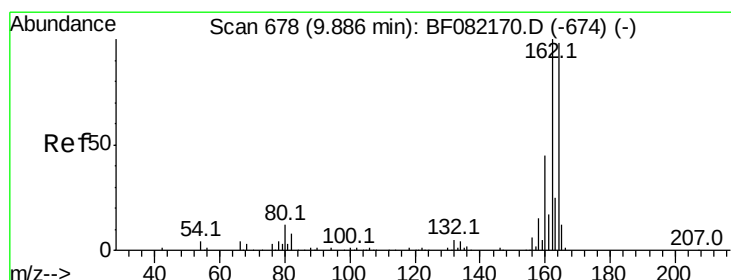
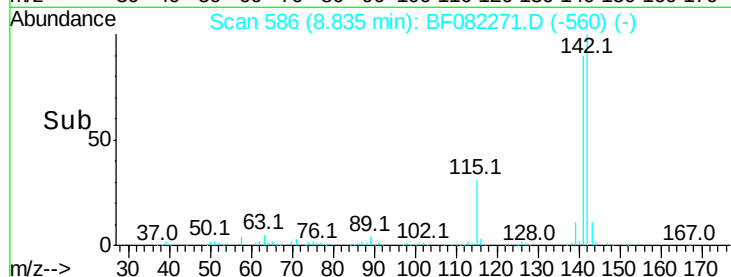
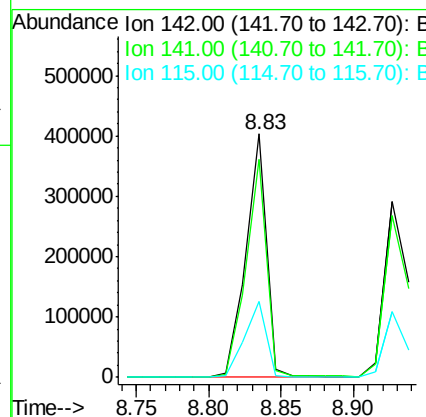
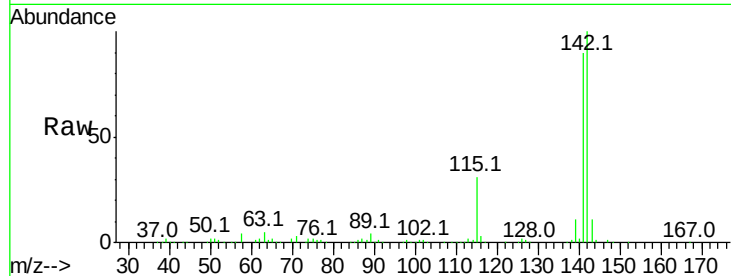
ClientSampleId :

UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 142   | Resp: | 401208 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 89.7  | 70.4  | 105.6  |
| 115       | 31.2  | 24.6  | 37.0   |

Manual Integrations  
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#38

Acenaphthene-d10

Concen: 20.00 ng

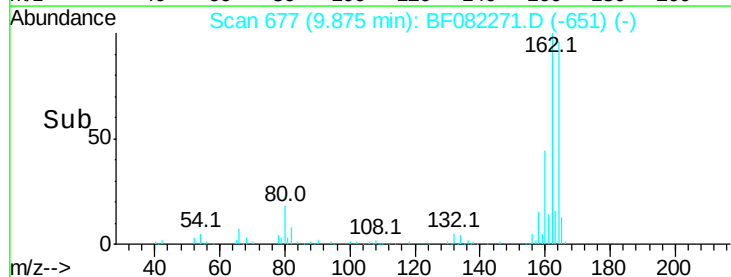
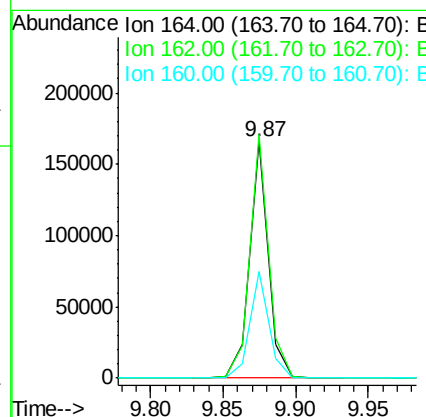
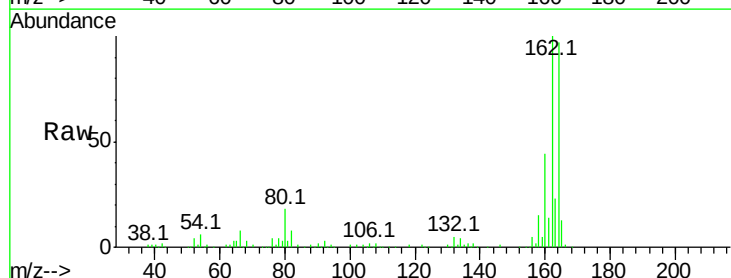
RT: 9.87 min Scan# 677

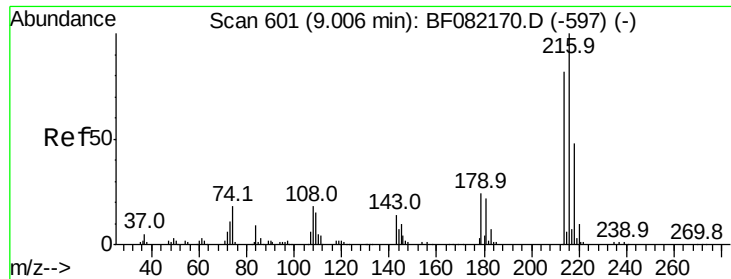
Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 147378 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.9 | 81.6  | 122.4  |
| 160       | 45.1  | 36.4  | 54.6   |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.19 ng

RT: 8.99 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

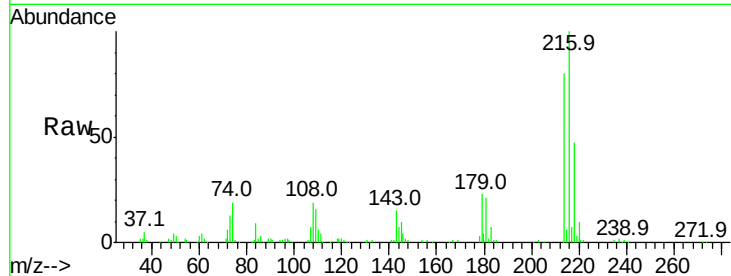
ClientSampleId :

UST-3MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 176186 |       |       |
| 214     | 79.5  | 64.6   | 97.0  |       |
| 179     | 21.1  | 17.6   | 26.4  |       |
| 108     | 17.6  | 14.5   | 21.7  |       |

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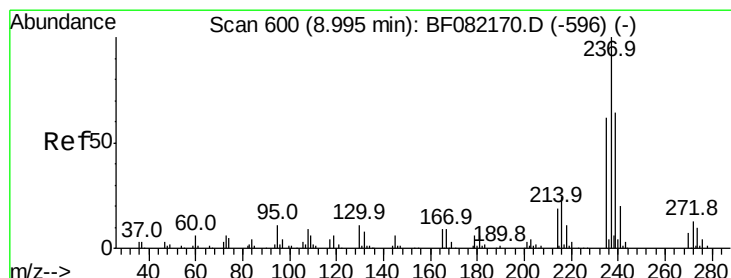
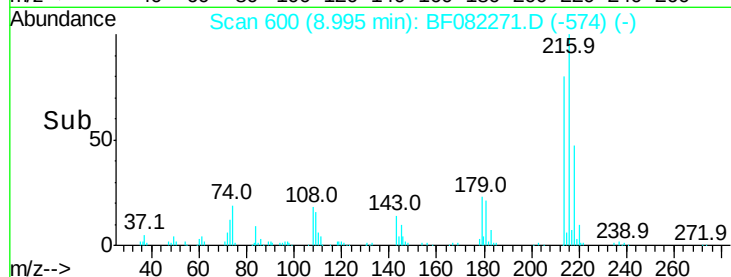
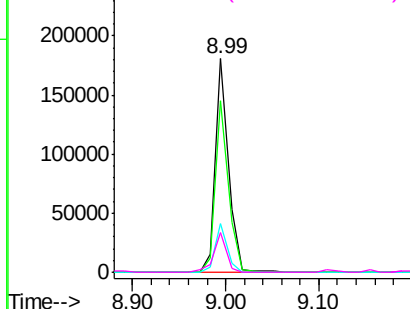


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 45.50 ng

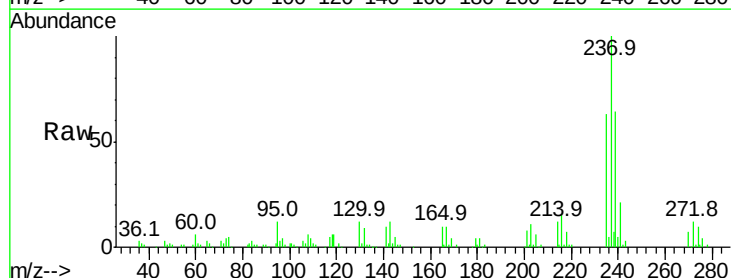
RT: 8.98 min Scan# 599

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

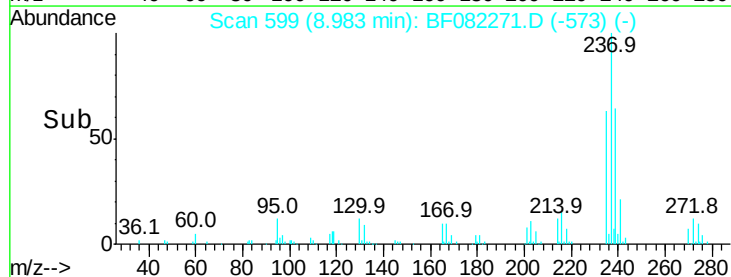
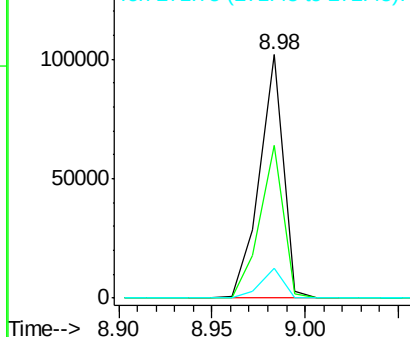
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 237     | 100   | 92049 |       |       |
| 235     | 62.7  | 41.7  | 81.7  |       |
| 272     | 12.0  | 0.0   | 32.8  |       |



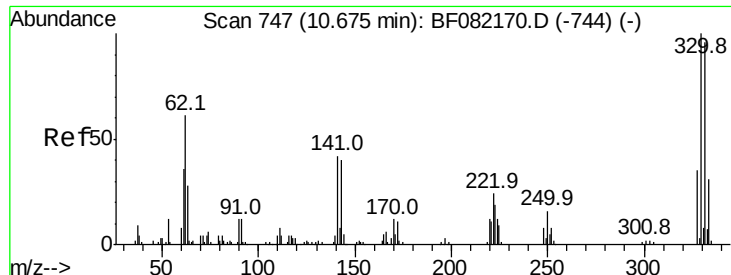
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E







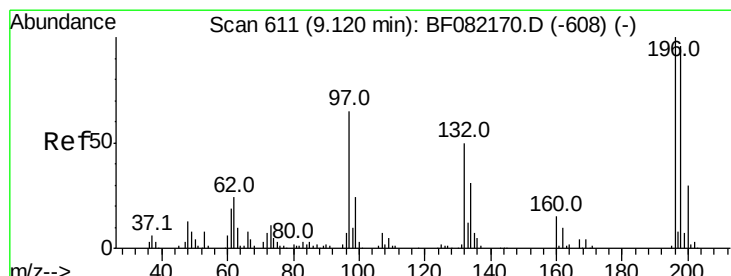
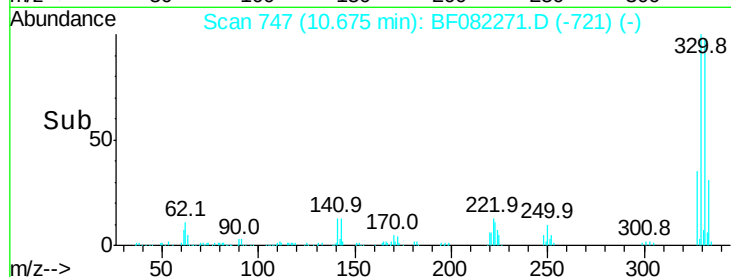
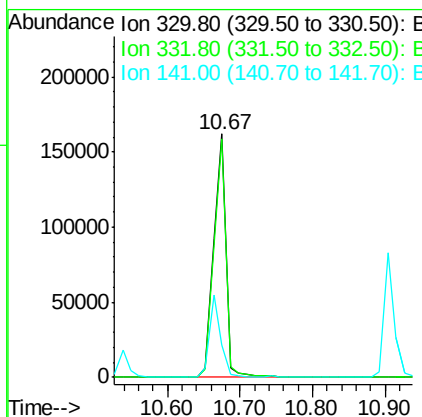
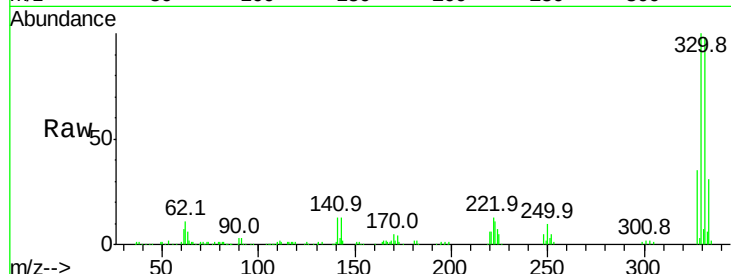
#41  
 2,4,6-Tribromophenol  
 Concen: 137.05 ng  
 RT: 10.67 min Scan# 747  
 Delta R.T. 0.00 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-3MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 189423 |       |       |
| 332     | 97.1  |        | 77.1  | 115.7 |
| 141     | 31.1  |        | 29.8  | 44.8  |

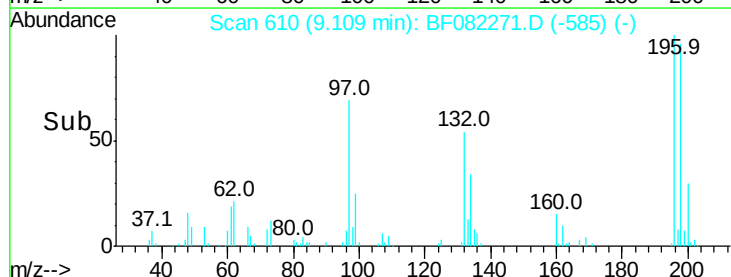
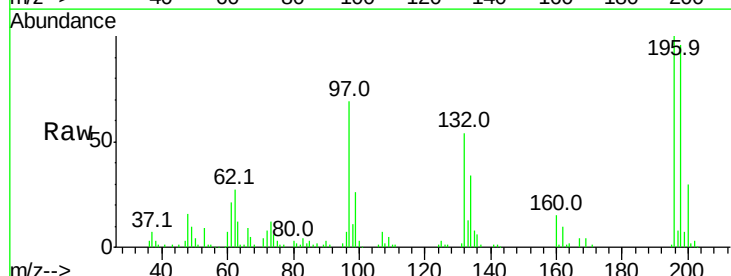
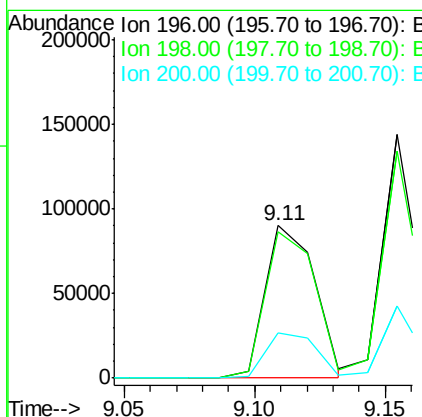
Manual Integrations  
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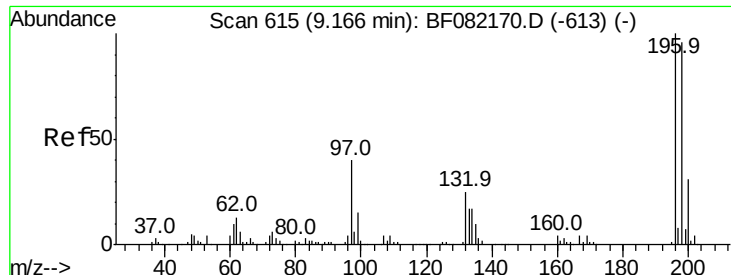
MMdadoda  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 41.08 ng  
 RT: 9.11 min Scan# 610  
 Delta R.T. -0.01 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 119604 |       |       |
| 198     | 95.5  |        | 76.6  | 115.0 |
| 200     | 29.7  |        | 23.7  | 35.5  |





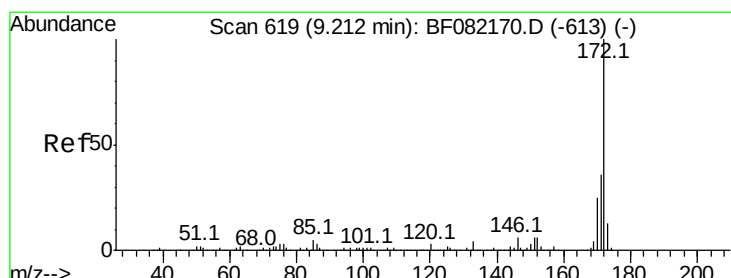
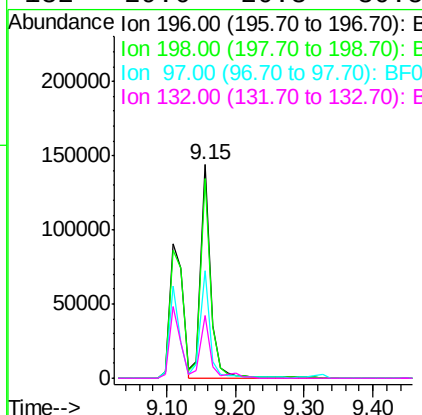
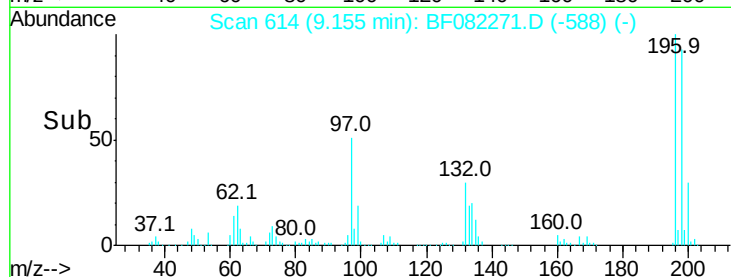
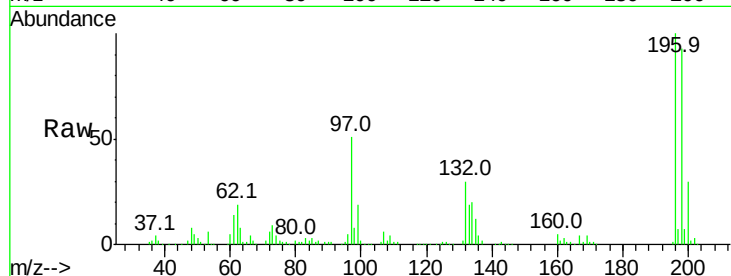
#43  
 2,4,5-Trichlorophenol  
 Concen: 46.20 ng  
 RT: 9.15 min Scan# 614  
 Delta R.T. 0.00 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

Instrument :  
 BNA\_F  
 ClientSampled :  
 UST-3MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 145704 |       |       |
| 198     | 93.4  | 77.0   | 115.4 |       |
| 97      | 50.6  | 31.9   | 47.9  |       |
| 132     | 29.6  | 20.3   | 30.5  |       |

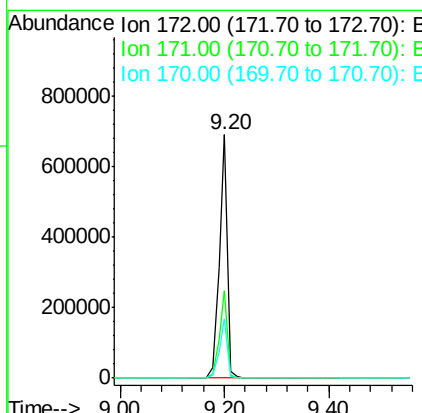
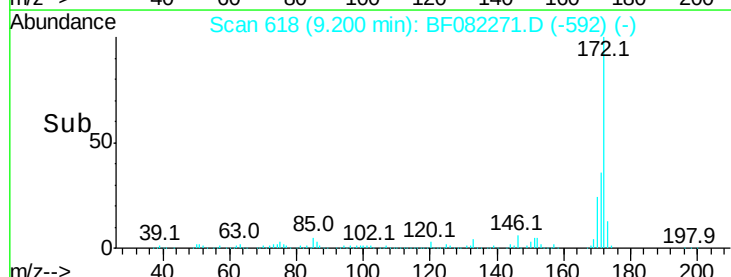
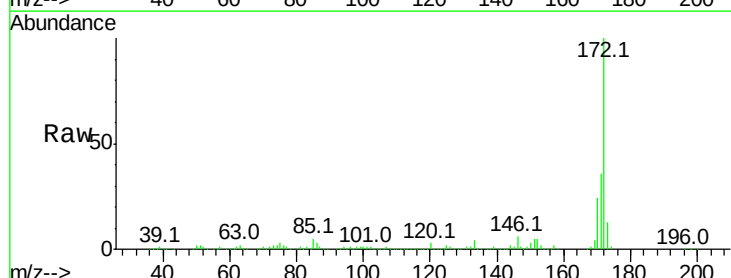
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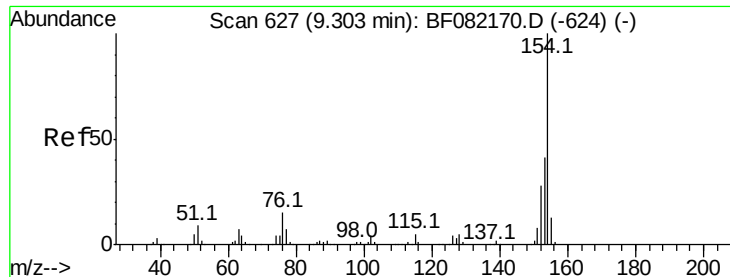
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#44  
 2-Fluorobiphenyl  
 Concen: 83.21 ng  
 RT: 9.20 min Scan# 618  
 Delta R.T. 0.00 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 739485 |       |       |
| 171     | 35.8  | 28.6   | 42.8  |       |
| 170     | 24.4  | 19.7   | 29.5  |       |





#45

1,1'-Biphenyl

Concen: 39.94 ng

RT: 9.30 min Scan# 627

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

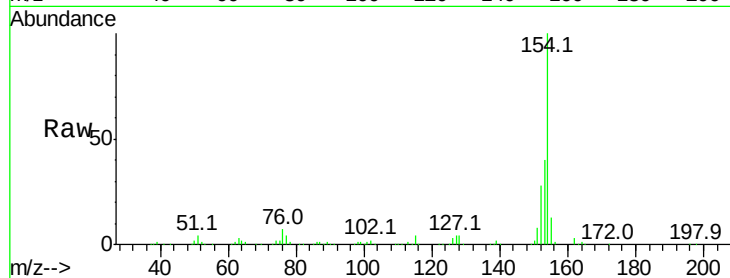
ClientSampleId :

UST-3MS

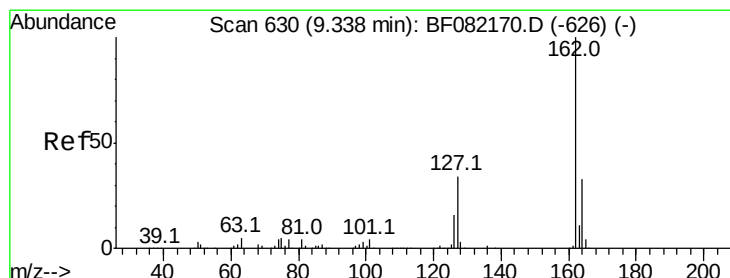
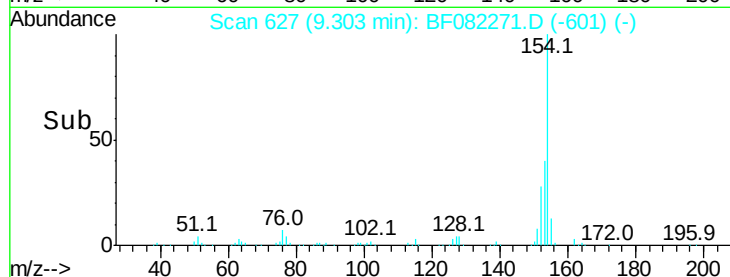
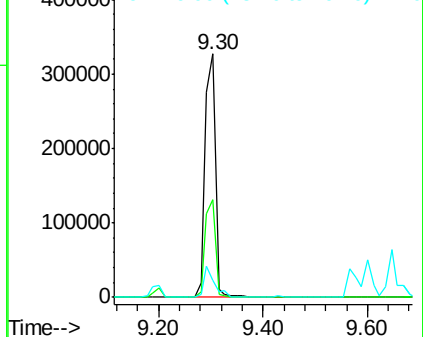
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 448840 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.1  | 20.6  | 60.6   |
| 76        | 7.2   | 0.0   | 35.2   |

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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 43.04 ng

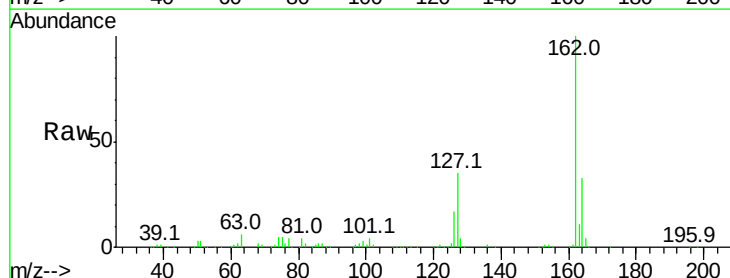
RT: 9.33 min Scan# 629

Delta R.T. 0.00 min

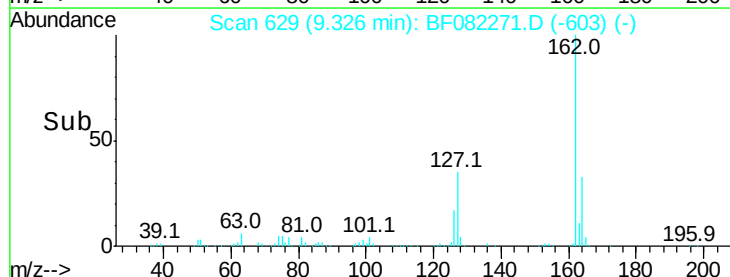
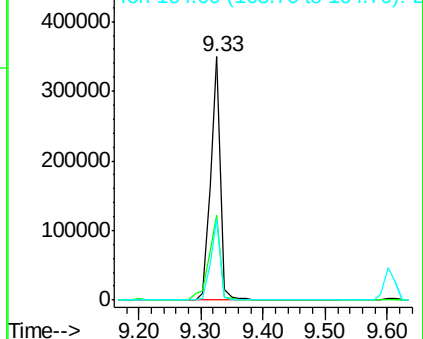
Lab File: BF082271.D

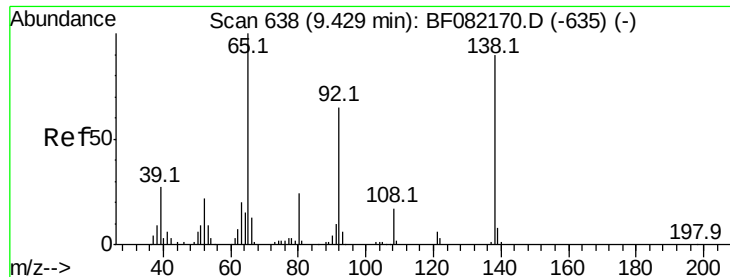
Acq: 13 Oct 2015 23:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 380738 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 34.9  | 27.5  | 41.3   |
| 164       | 33.4  | 26.6  | 39.8   |



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





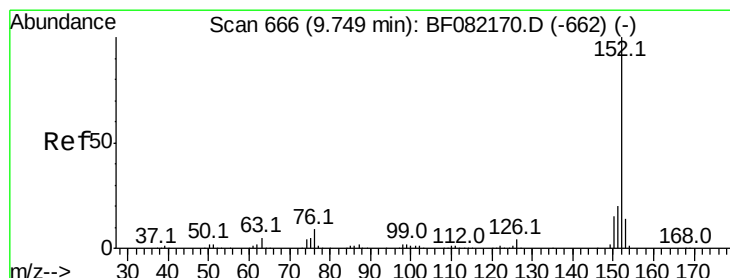
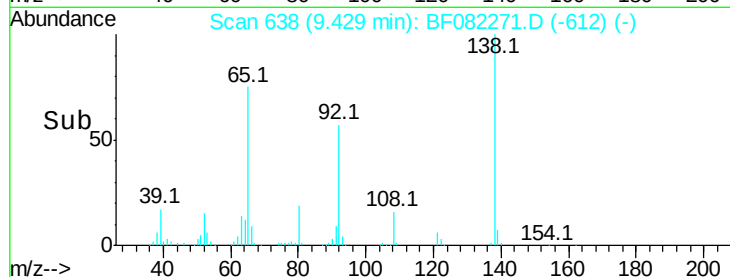
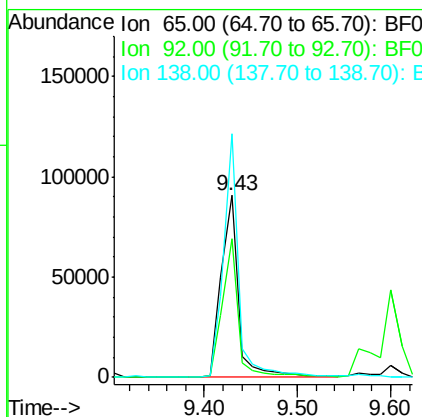
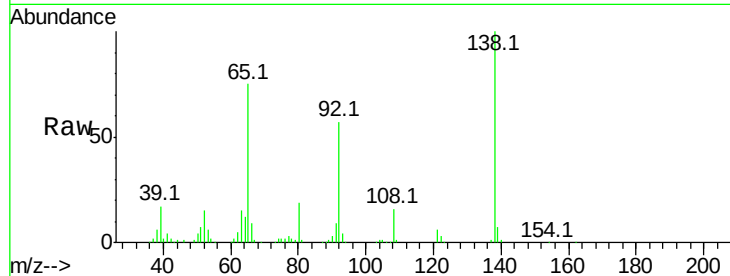
#47  
2-Nitroaniline  
Concen: 48.30 ng  
RT: 9.43 min Scan# 638  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 76.1  | 52.3  | 78.5  |
| 138     | 133.7 | 72.2  | 108.4 |

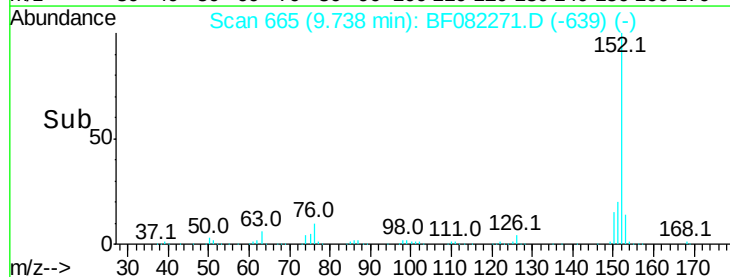
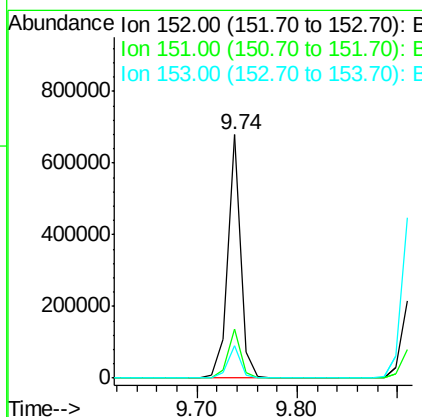
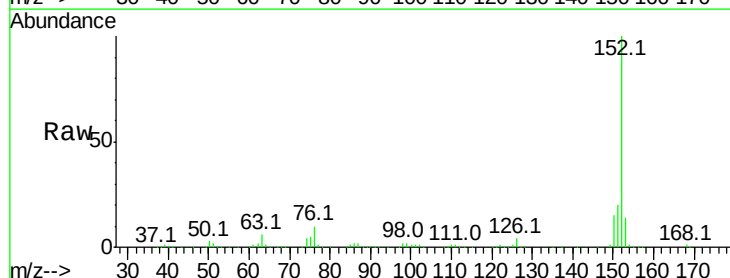
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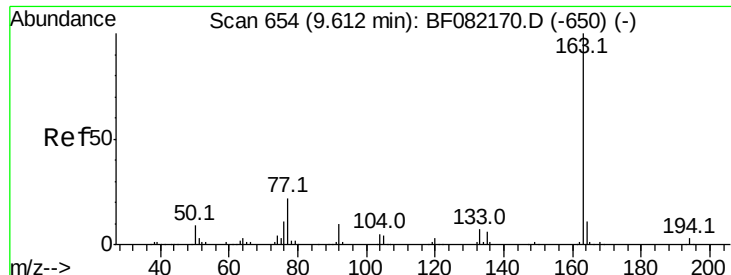
MMdadoda  
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#48  
Acenaphthylene  
Concen: 43.86 ng  
RT: 9.74 min Scan# 665  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.4  | 16.4  | 24.6  |
| 153     | 13.5  | 10.8  | 16.2  |





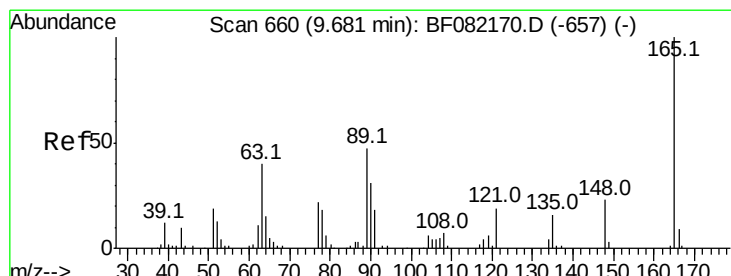
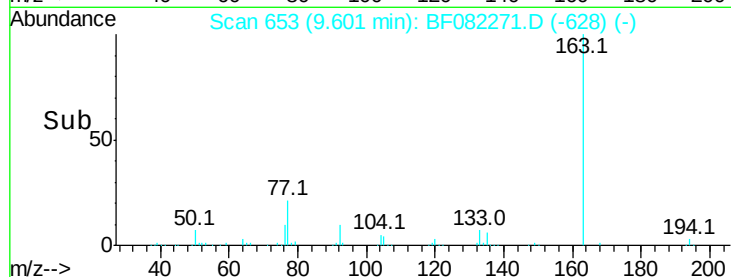
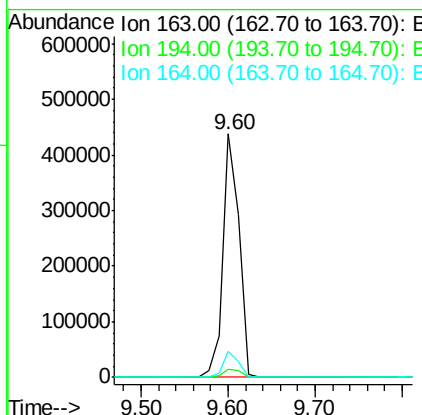
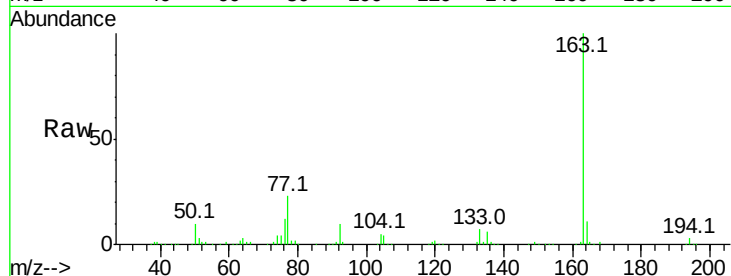
#49  
Dimethylphthalate  
Concen: 54.67 ng  
RT: 9.60 min Scan# 653  
Delta R.T. -0.01 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampled :  
UST-3MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 163     | 100   |            |       |
| 194     | 3.2   | 2.6        | 4.0   |
| 164     | 10.6  | 8.5        | 12.7  |

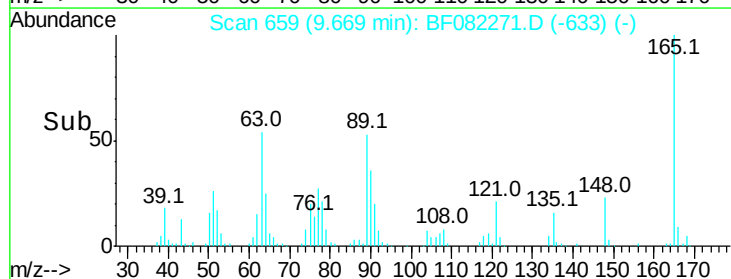
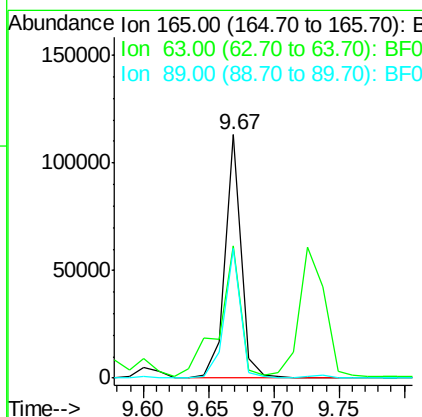
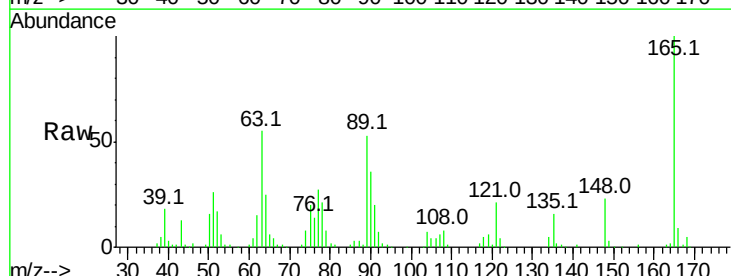
Manual Integrations  
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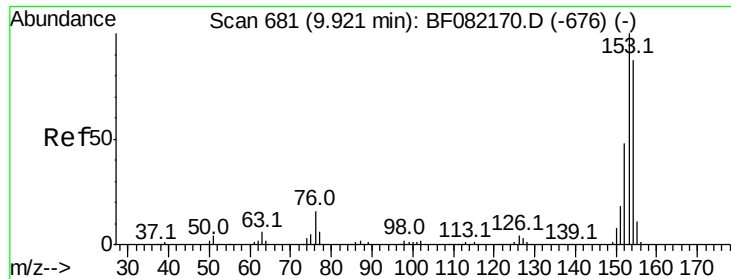
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#50  
2,6-Dinitrotoluene  
Concen: 44.89 ng  
RT: 9.67 min Scan# 659  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 165     | 100   |            |       |
| 63      | 54.5  | 36.7       | 55.1  |
| 89      | 53.2  | 37.8       | 56.6  |





#51

Acenaphthene

Concen: 43.55 ng

RT: 9.91 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

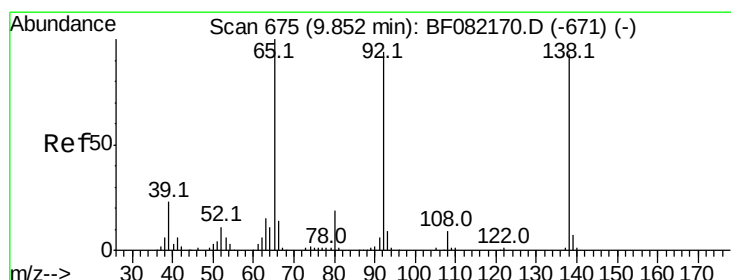
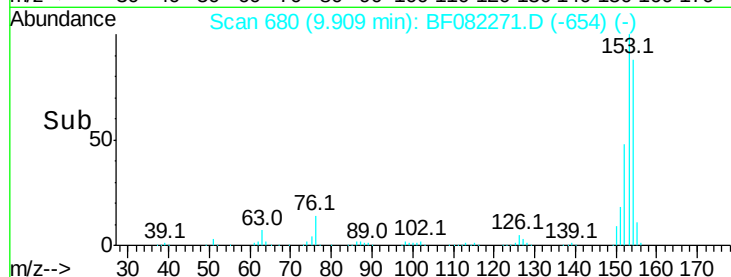
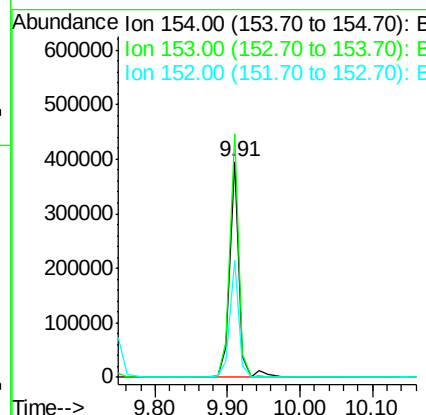
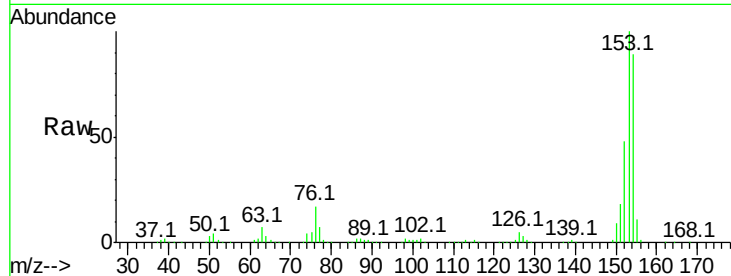
ClientSampleId :

UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 360280 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 113.0 | 91.4  | 137.2  |
| 152       | 54.3  | 44.3  | 66.5   |

Manual Integrations  
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#52

3-Nitroaniline

Concen: 27.39 ng

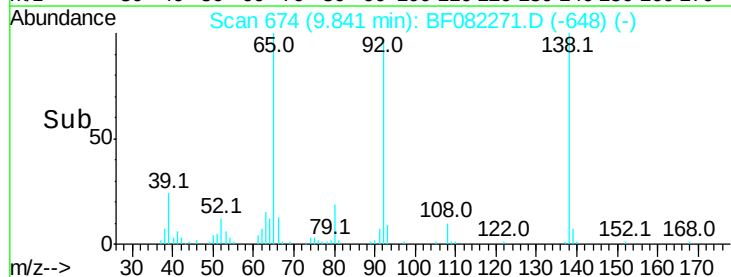
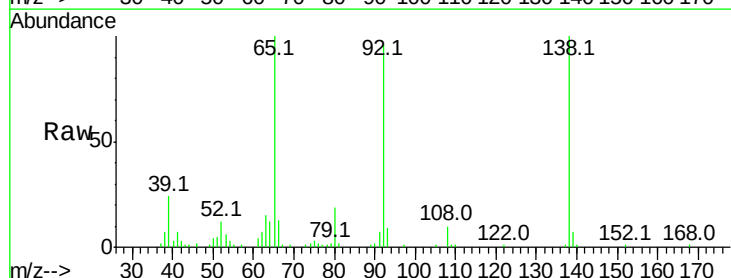
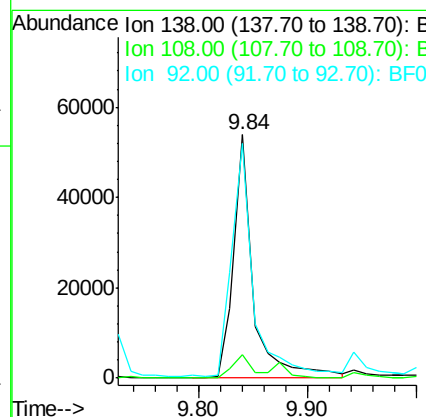
RT: 9.84 min Scan# 674

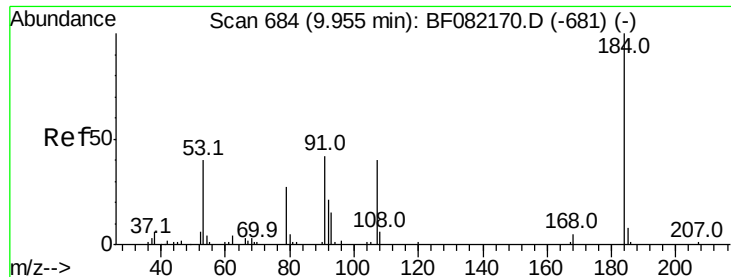
Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 67753 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 9.7   | 7.4   | 11.0  |
| 92        | 96.5  | 81.3  | 121.9 |





#53

2,4-Dinitrophenol

Concen: 25.82 ng

RT: 9.94 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

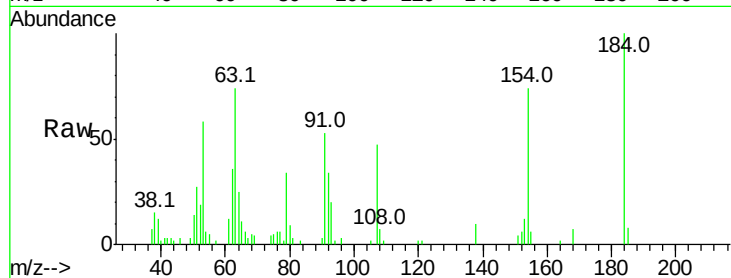
ClientSampleId :

UST-3MS

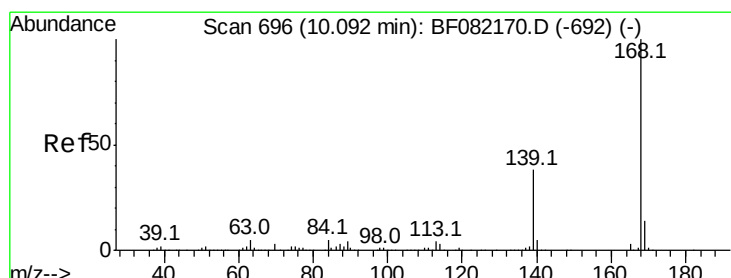
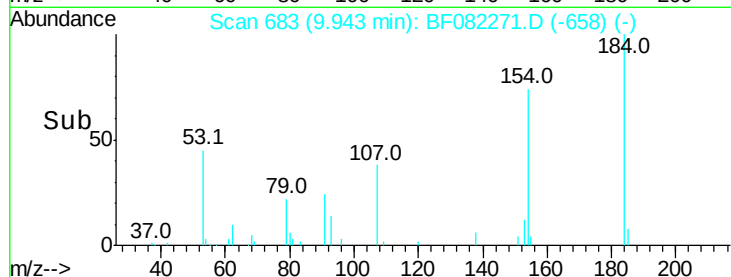
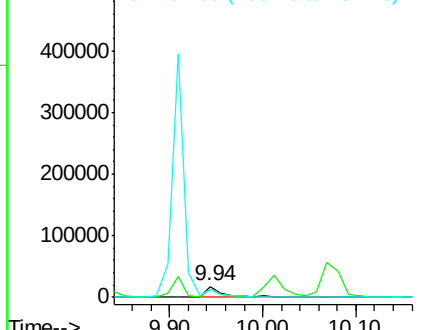
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 25830 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 63        | 73.9  | 45.1  | 67.7# |
| 154       | 73.8  | 51.2  | 76.8  |

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Abundance Ion 184.00 (183.70 to 184.70): E



#54

Dibenzofuran

Concen: 44.68 ng

RT: 10.08 min Scan# 695

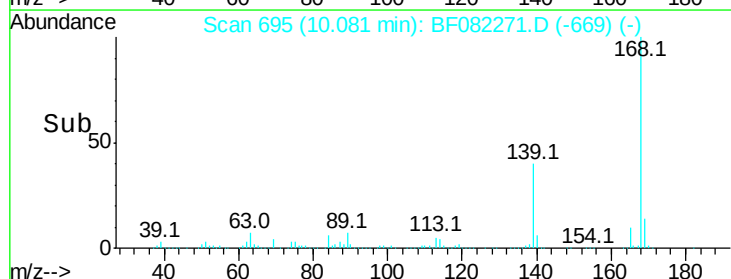
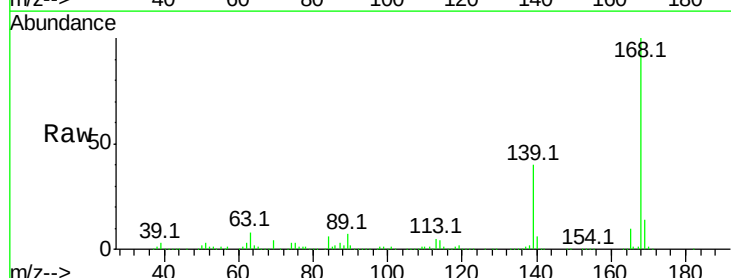
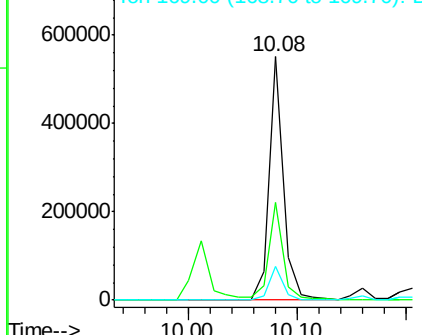
Delta R.T. 0.00 min

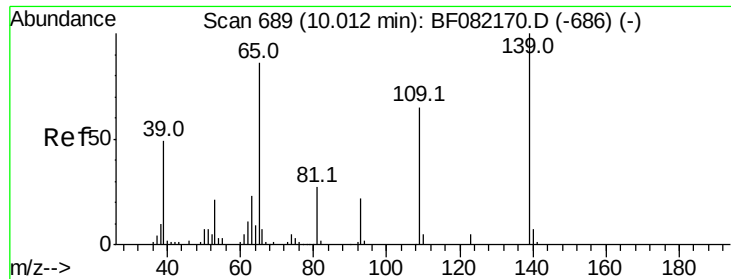
Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 168   | Resp: | 507520 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 40.3  | 31.0  | 46.6   |
| 169       | 13.7  | 10.9  | 16.3   |

Abundance Ion 168.00 (167.70 to 168.70): E





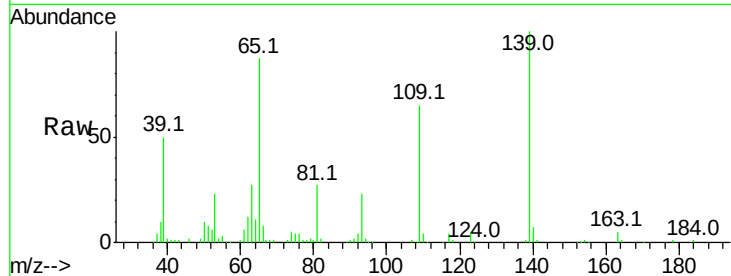
#55  
4-Nitrophenol  
Concen: 87.59 ng  
RT: 10.01 min Scan# 689  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

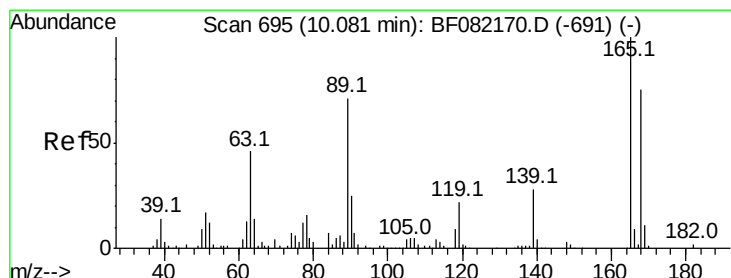
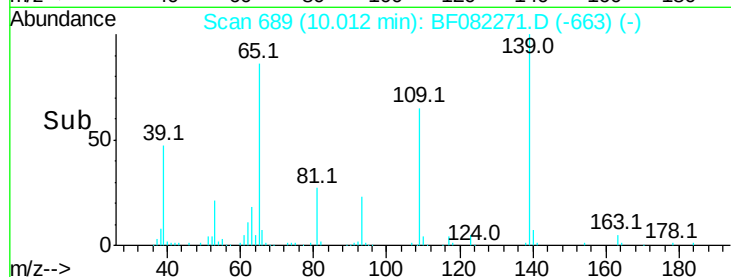
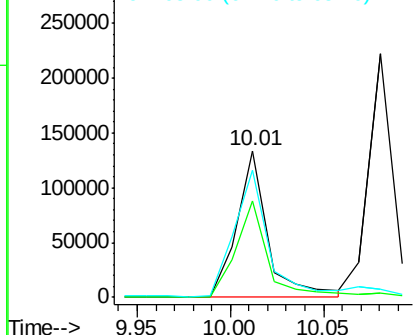
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 155502 |       |       |
| 109     | 65.4  | 44.8   | 84.8  |       |
| 65      | 87.0  | 67.7   | 107.7 |       |

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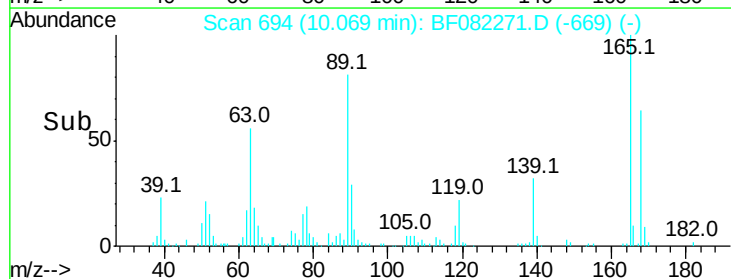
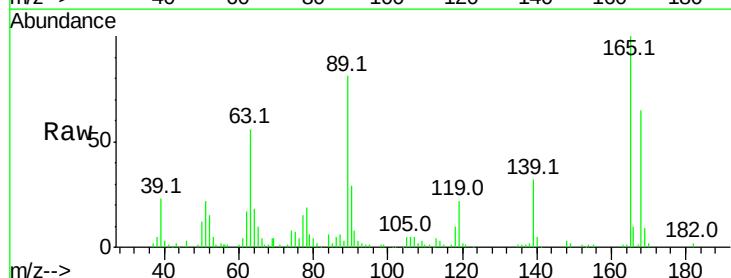
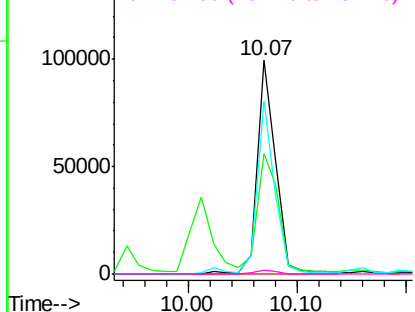
Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0



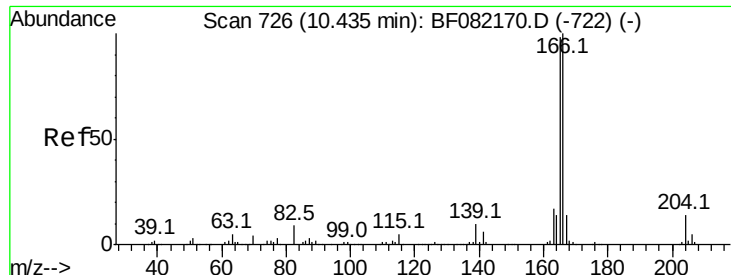
#56  
2,4-Dinitrotoluene  
Concen: 43.16 ng  
RT: 10.07 min Scan# 694  
Delta R.T. -0.01 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 118124 |       |       |
| 63      | 56.4  | 38.6   | 58.0  |       |
| 89      | 80.7  | 57.0   | 85.6  |       |
| 182     | 2.0   | 1.8    | 2.6   |       |

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  
Ion 182.00 (181.70 to 182.70): E







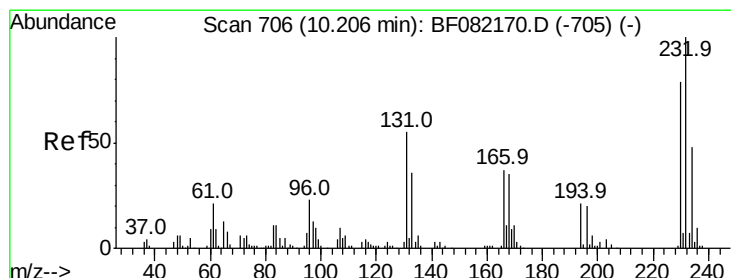
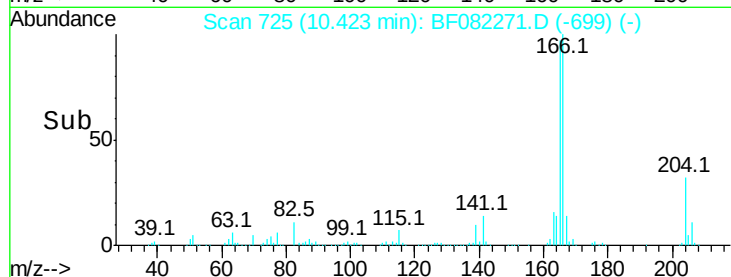
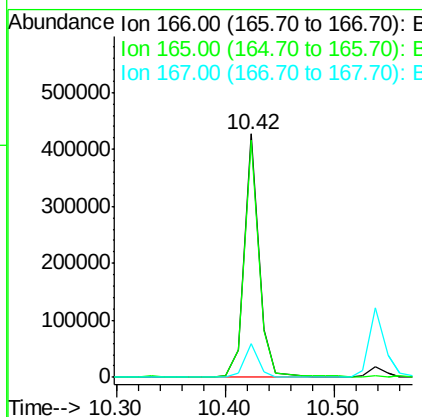
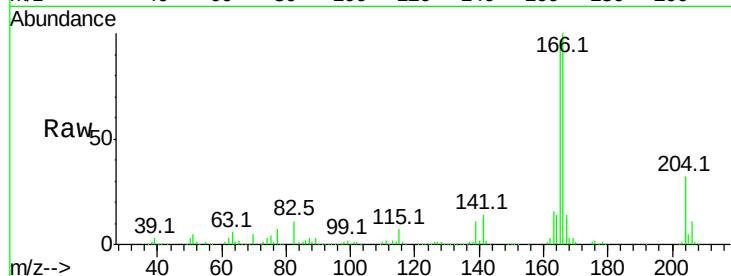
#57  
 Fluorene  
 Concen: 42.78 ng  
 RT: 10.42 min Scan# 725  
 Delta R.T. 0.00 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-3MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 399086 |       |       |
| 165     | 97.3  |        | 78.3  | 117.5 |
| 167     | 13.8  |        | 10.8  | 16.2  |

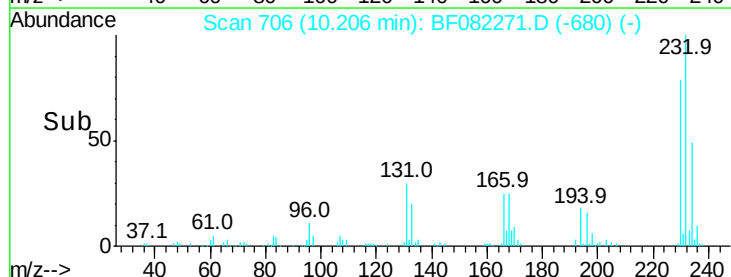
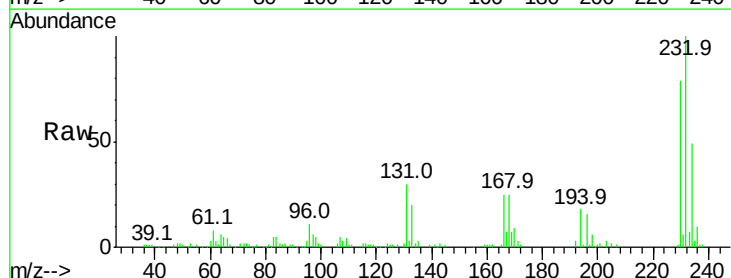
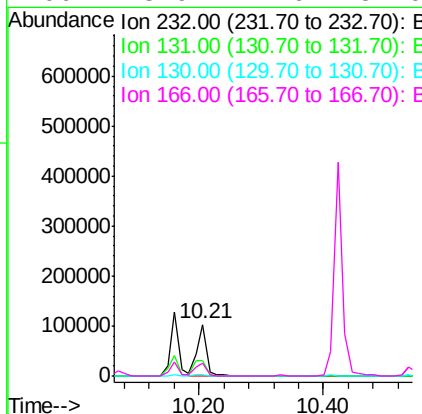
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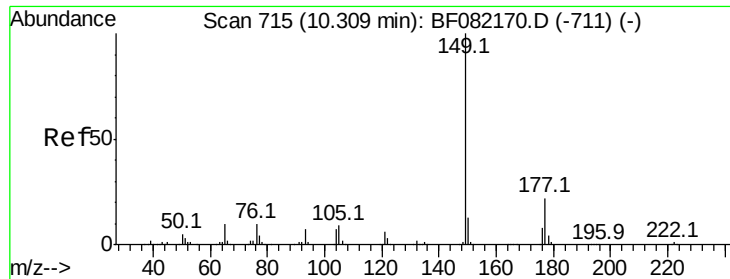
MMdadoda  
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#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 44.25 ng  
 RT: 10.21 min Scan# 706  
 Delta R.T. 0.00 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 114024 |       |       |
| 131     | 41.3  |        | 36.6  | 54.8  |
| 130     | 2.2   |        | 1.5   | 2.3   |
| 166     | 28.9  |        | 24.6  | 37.0  |





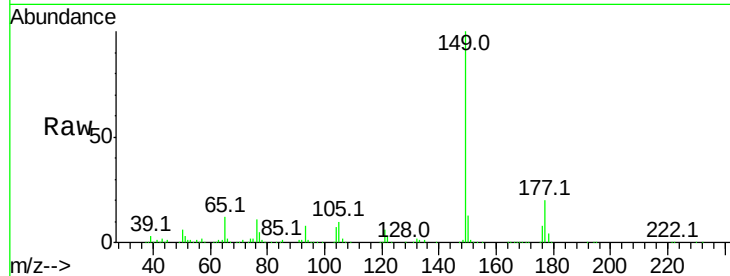
#59  
Diethylphthalate  
Concen: 41.45 ng  
RT: 10.30 min Scan# 714  
Delta R.T. -0.01 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

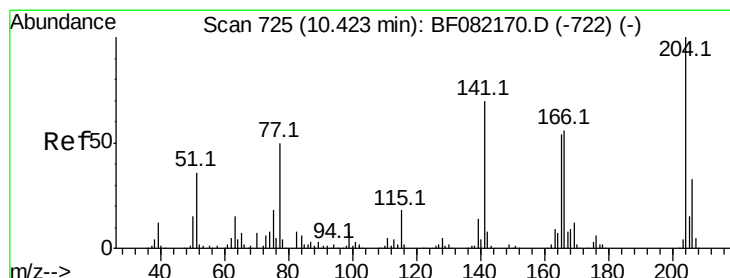
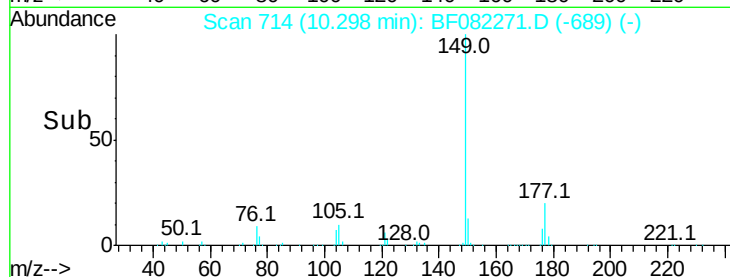
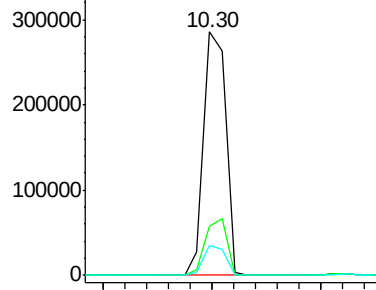
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 177     | 20.3  |      | 17.6  | 26.4  |
| 150     | 12.5  |      | 10.3  | 15.5  |

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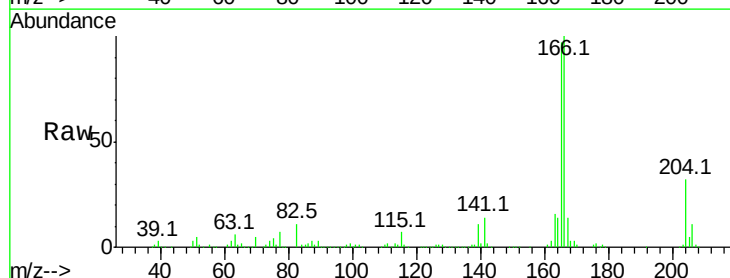


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

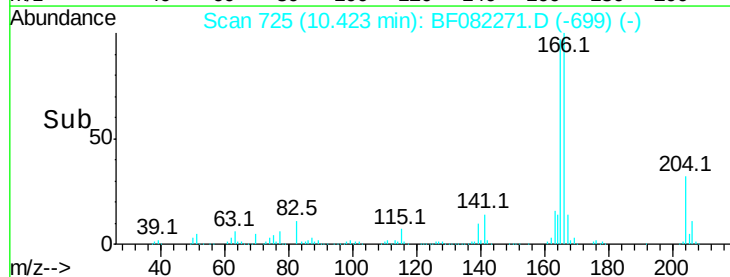
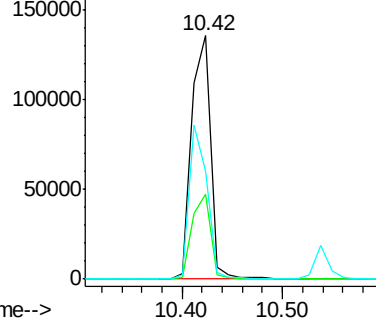


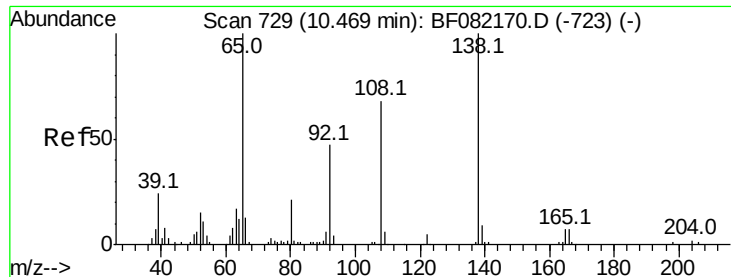
#60  
4-Chlorophenyl-phenylether  
Concen: 41.59 ng  
RT: 10.42 min Scan# 725  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 204     | 100   |      |       |       |
| 206     | 34.7  |      | 26.8  | 40.2  |
| 141     | 44.4  |      | 56.1  | 84.1# |



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





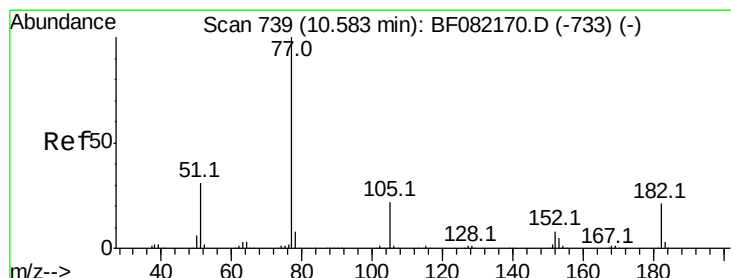
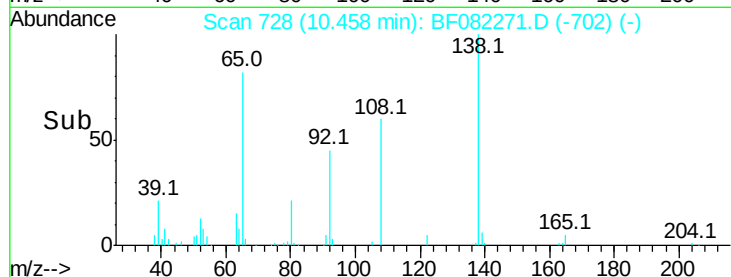
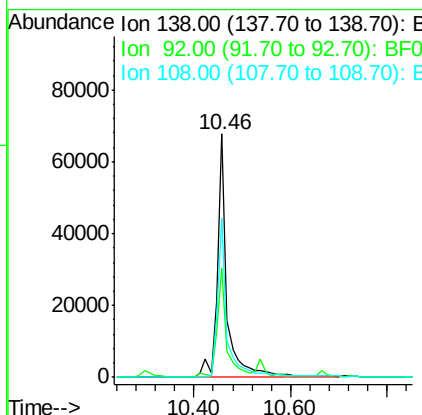
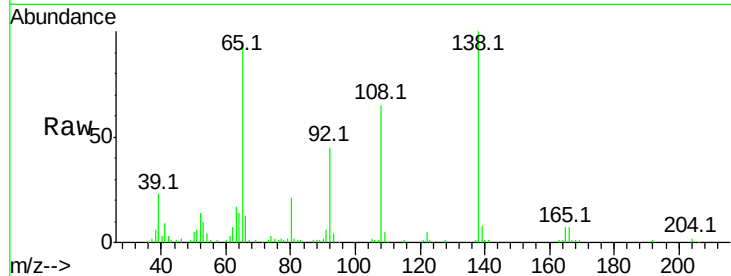
#61  
4-Nitroaniline  
Concen: 41.12 ng  
RT: 10.46 min Scan# 728  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 44.6  | 26.8  | 66.8  |
| 108     | 65.4  | 48.4  | 88.4  |

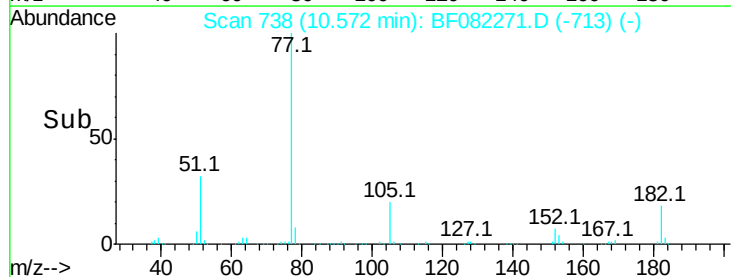
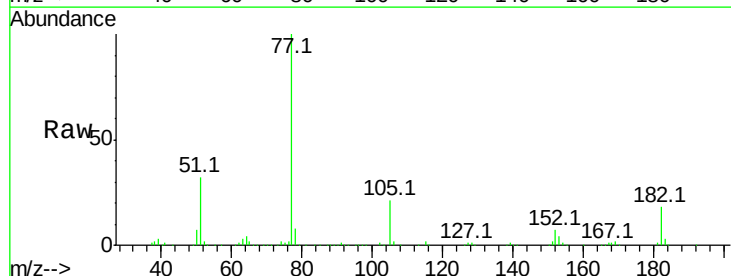
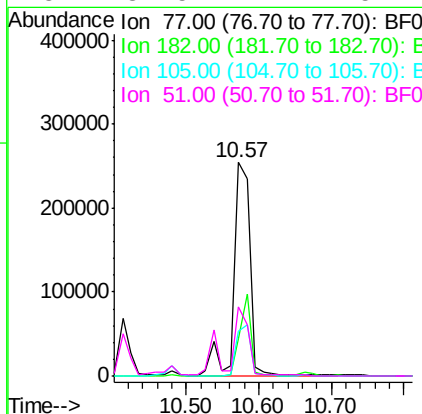
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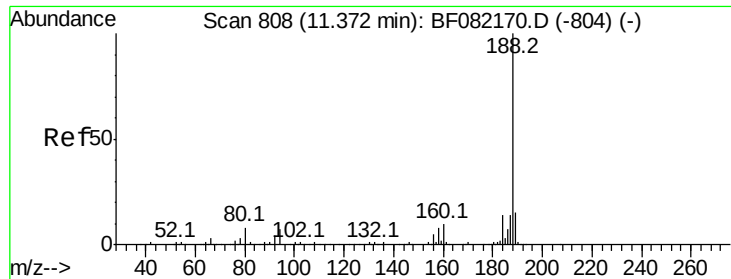
MMdadoda  
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#62  
Azobenzene  
Concen: 41.71 ng  
RT: 10.57 min Scan# 738  
Delta R.T. -0.01 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 17.7  | 0.5   | 40.5  |
| 105     | 20.9  | 1.8   | 41.8  |
| 51      | 32.5  | 11.2  | 51.2  |





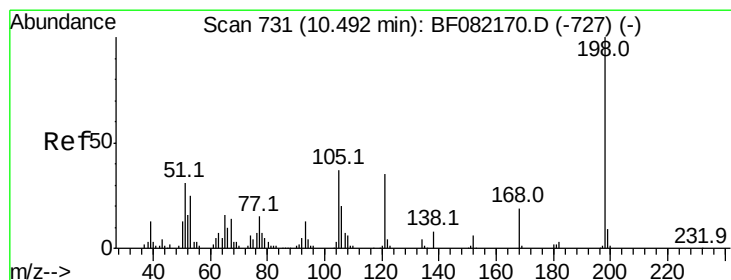
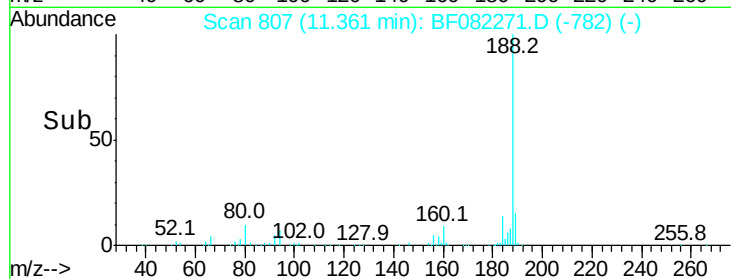
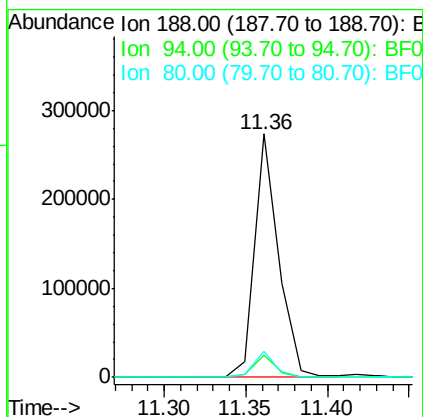
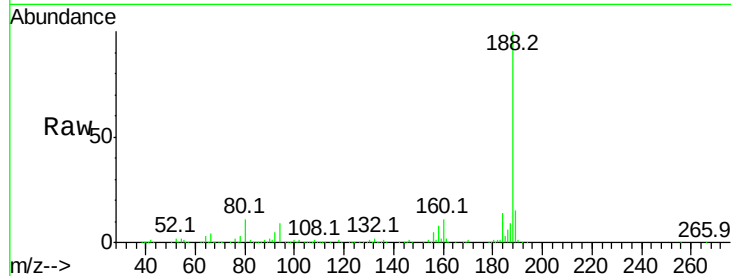
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.36 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 9.3   | 5.8        | 8.6#  |
| 80      | 10.5  | 6.4        | 9.6#  |

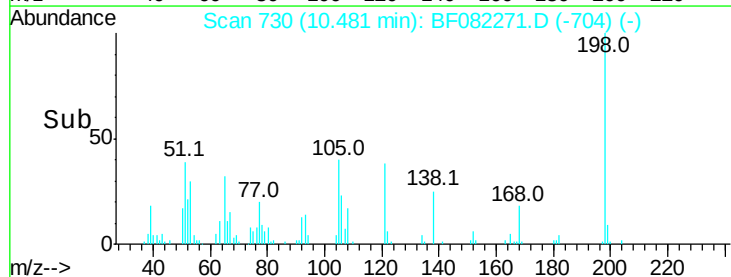
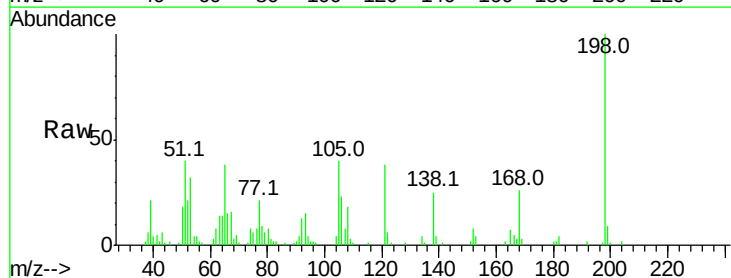
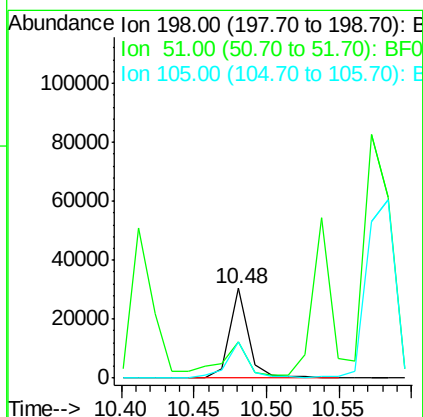
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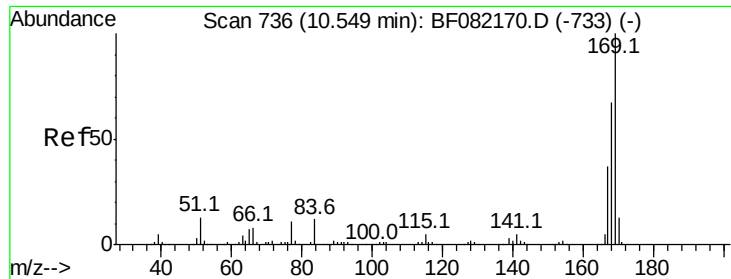
MMdadoda  
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 17.62 ng  
RT: 10.48 min Scan# 730  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 198     | 100   |            |       |
| 51      | 40.1  | 13.6       | 53.6  |
| 105     | 40.2  | 17.1       | 57.1  |





#65

n-Nitrosodiphenylamine

Concen: 40.11 ng

RT: 10.54 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

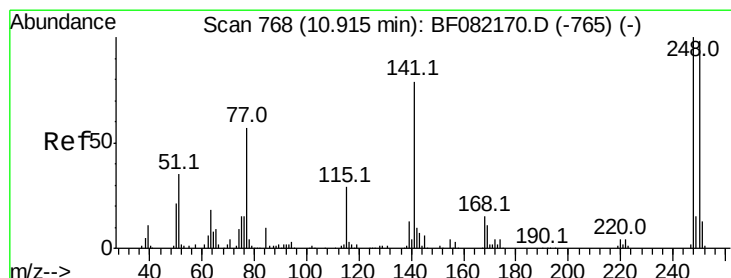
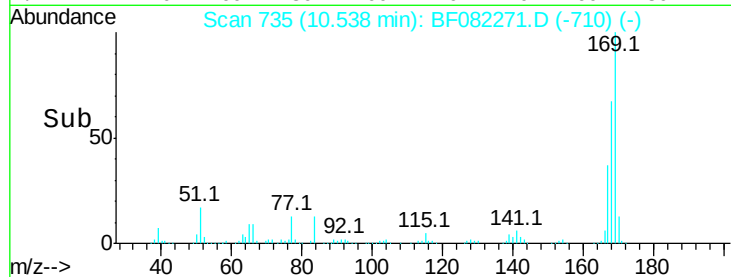
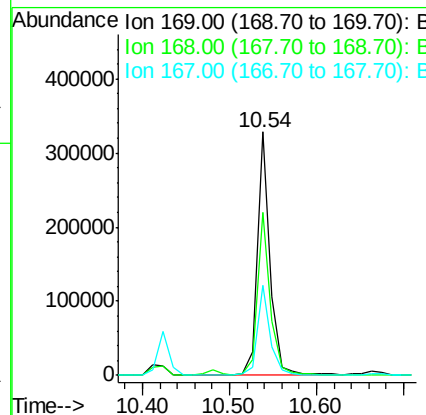
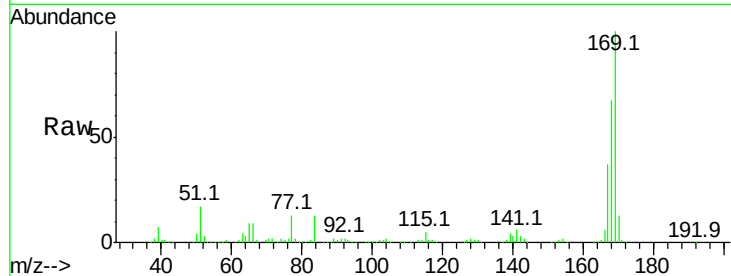
ClientSampleId :

UST-3MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 169     | 100   |      |       |       |
| 168     | 67.2  | 54.0 | 81.0  |       |
| 167     | 36.9  | 29.6 | 44.4  |       |

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#66

4-Bromophenyl-phenylether

Concen: 39.08 ng

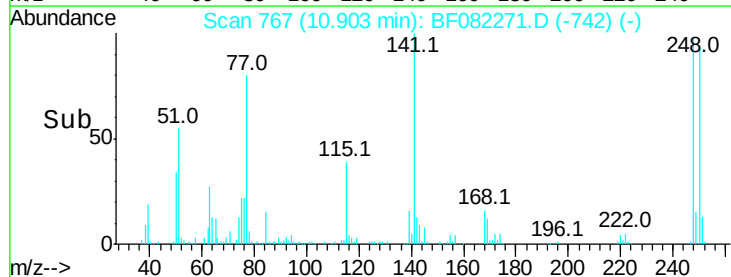
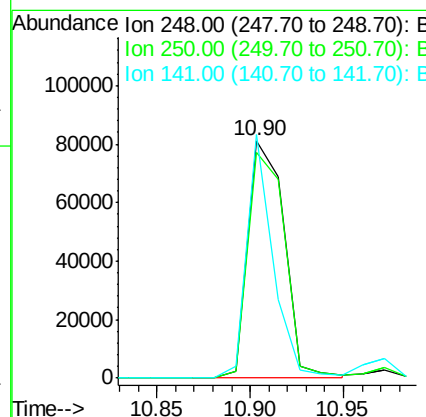
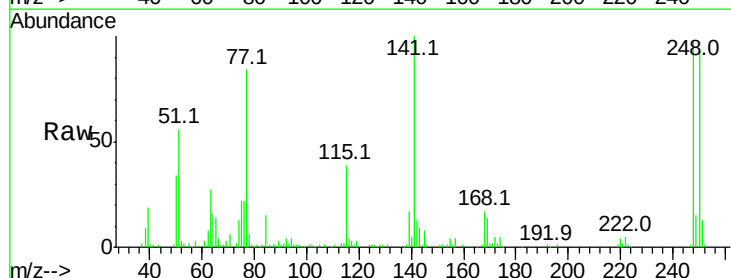
RT: 10.90 min Scan# 767

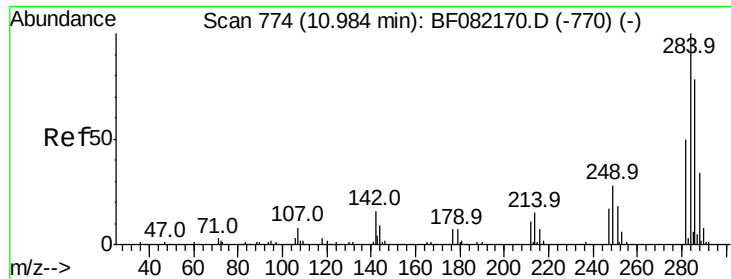
Delta R.T. -0.01 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 248     | 100   |      |       |       |
| 250     | 94.9  | 78.6 | 117.8 |       |
| 141     | 102.4 | 63.3 | 94.9# |       |





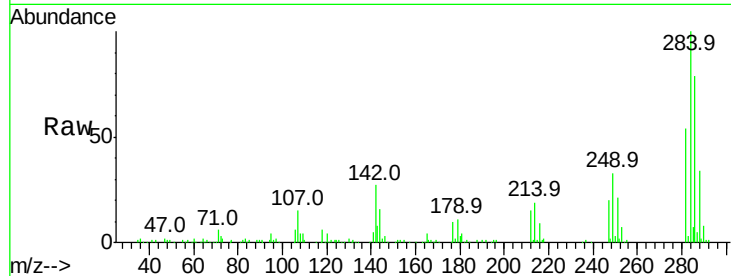
#67  
Hexachlorobenzene  
Concen: 41.80 ng  
RT: 10.97 min Scan# 773  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

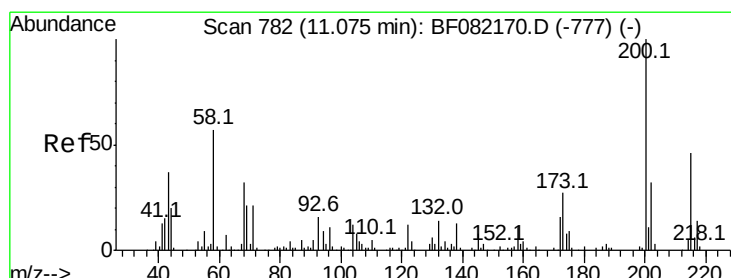
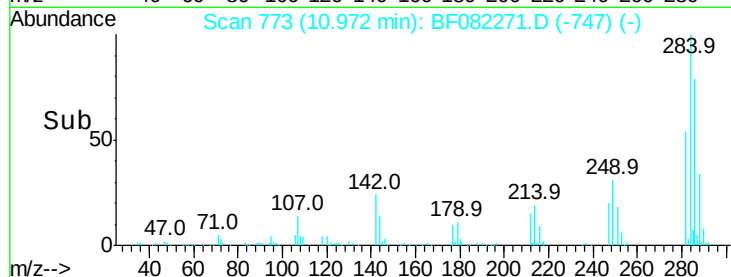
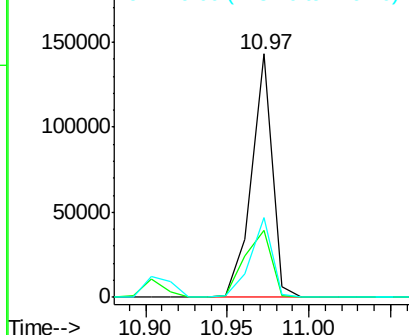
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 126622 |       |       |
| 142     | 27.4  | 13.0   | 19.6# |       |
| 249     | 33.0  | 22.5   | 33.7  |       |

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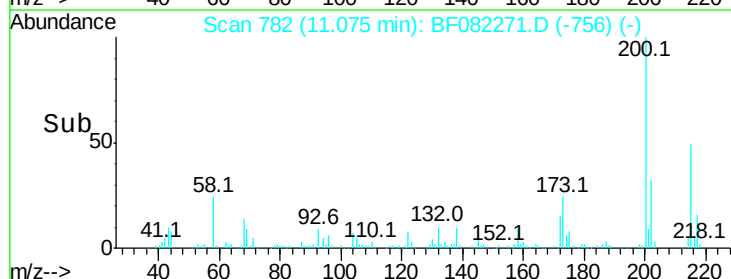
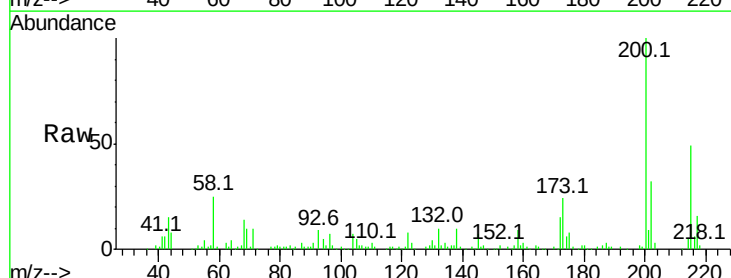
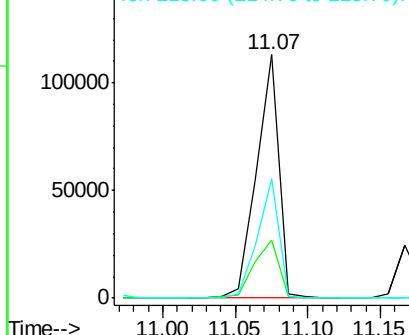
Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

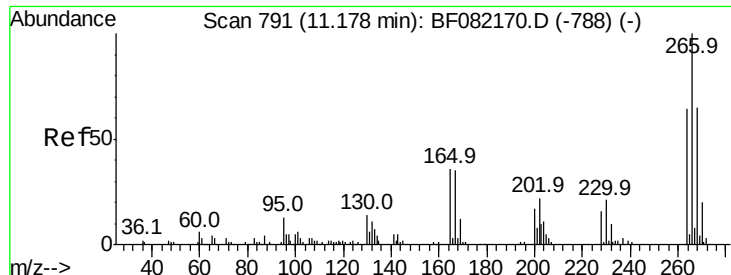


#68  
Atrazine  
Concen: 45.20 ng  
RT: 11.07 min Scan# 782  
Delta R.T. 0.00 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 119988 |       |       |
| 173     | 23.7  | 7.3    | 47.3  |       |
| 215     | 49.0  | 26.2   | 66.2  |       |

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





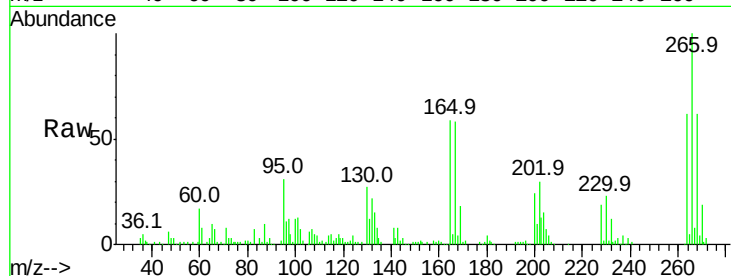
#69  
 Pentachlorophenol  
 Concen: 88.09 ng  
 RT: 11.17 min Scan# 790  
 Delta R.T. -0.01 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-3MS

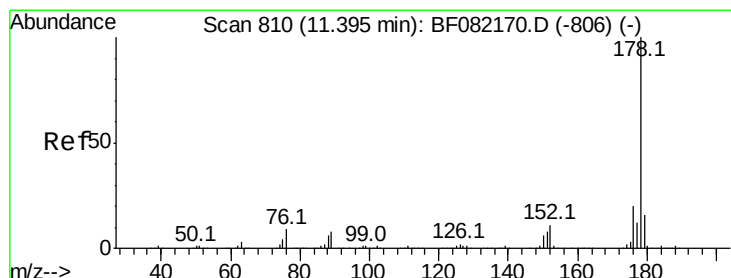
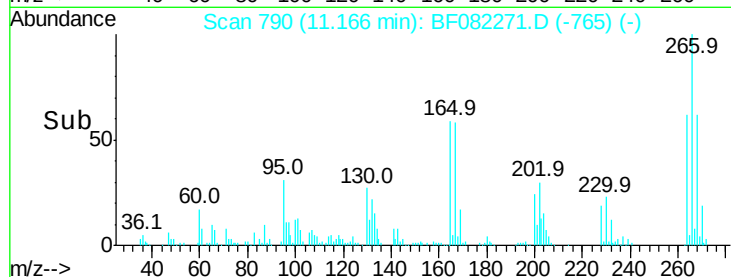
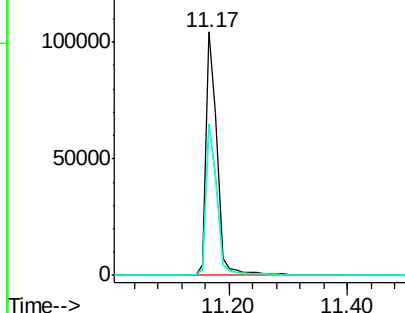
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 137316 |       |       |
| 268     | 62.0  | 52.0   | 78.0  |       |
| 264     | 61.6  | 51.4   | 77.0  |       |

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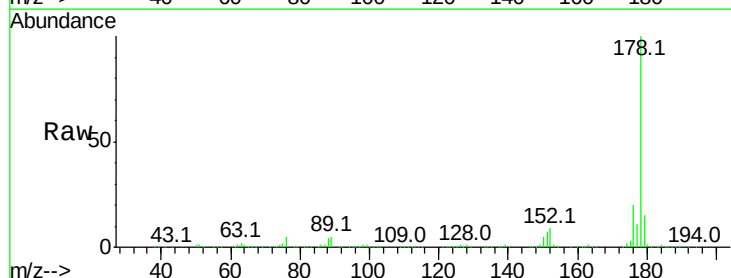


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

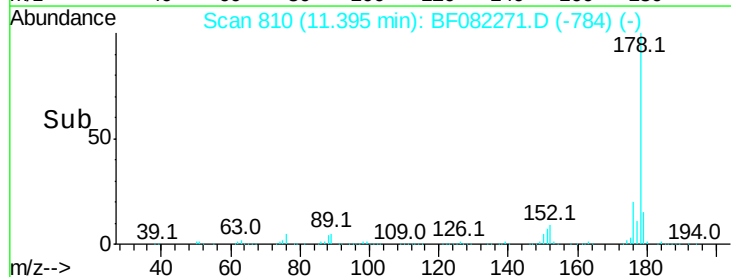
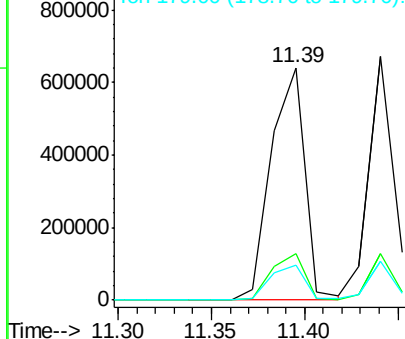


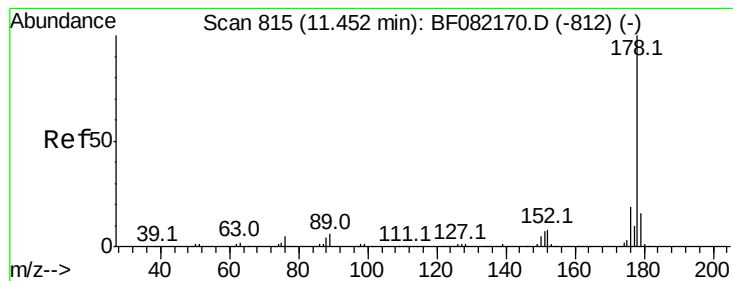
#70  
 Phenanthrene  
 Concen: 58.65 ng  
 RT: 11.39 min Scan# 810  
 Delta R.T. 0.00 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 804656 |       |       |
| 176     | 19.8  | 16.0   | 24.0  |       |
| 179     | 15.3  | 12.6   | 19.0  |       |



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





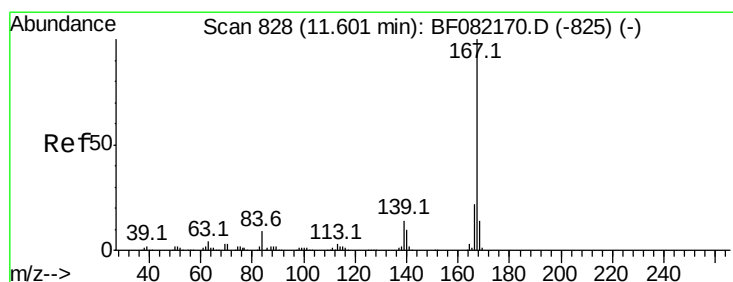
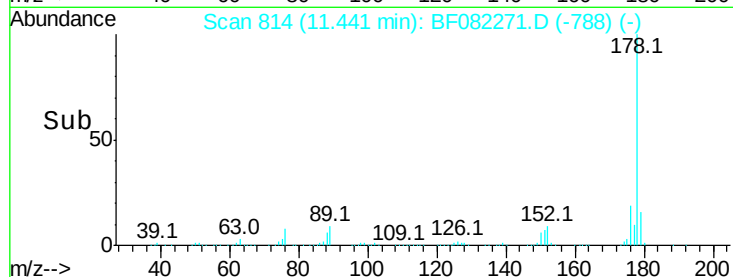
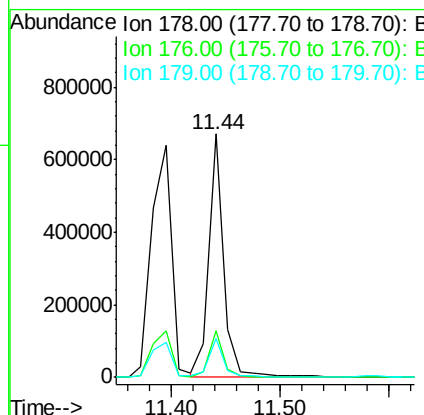
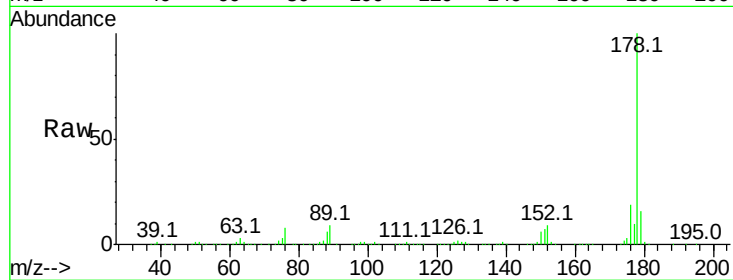
#71  
 Anthracene  
 Concen: 45.34 ng  
 RT: 11.44 min Scan# 814  
 Delta R.T. 0.00 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-3MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 15.4  | 23.0  |
| 179     | 15.7  | 12.5  | 18.7  |

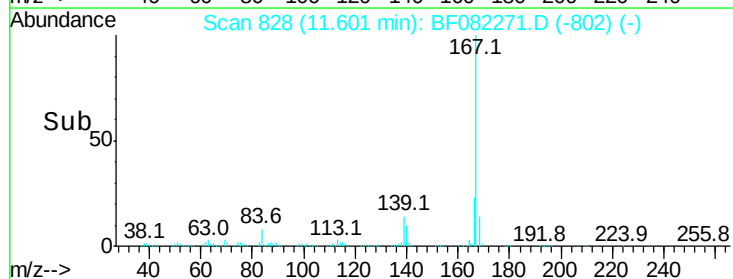
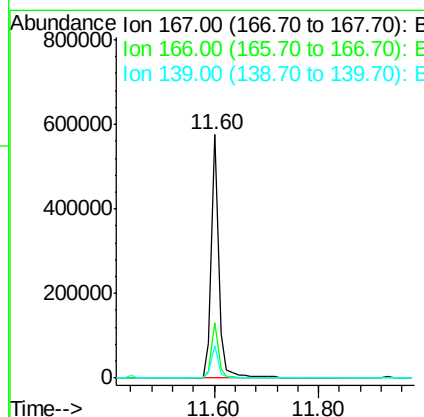
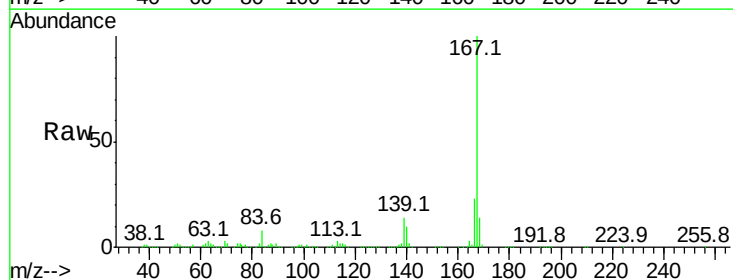
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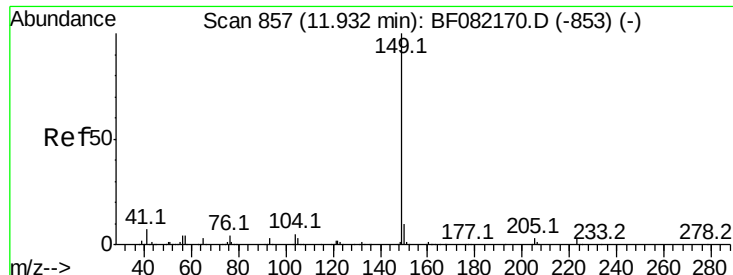


#72  
 Carbazole  
 Concen: 44.82 ng  
 RT: 11.60 min Scan# 828  
 Delta R.T. 0.00 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.6  | 17.3  | 25.9  |
| 139     | 13.5  | 11.2  | 16.8  |







#73

Di-n-butylphthalate

Concen: 41.50 ng

RT: 11.93 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

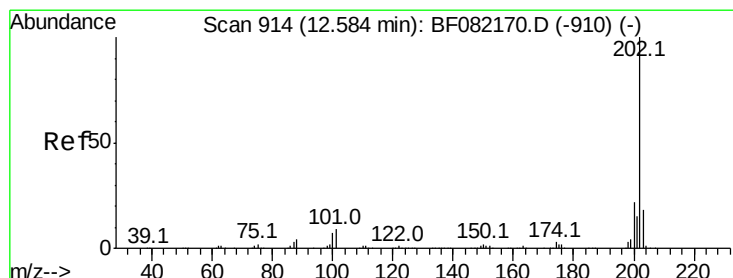
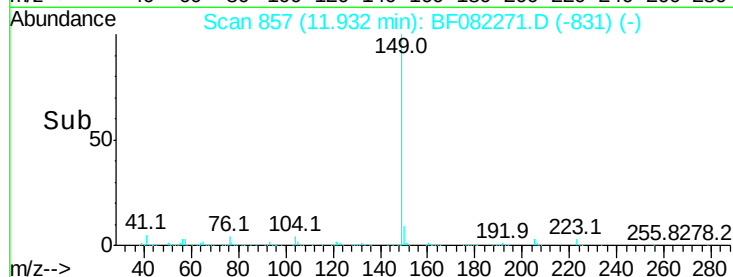
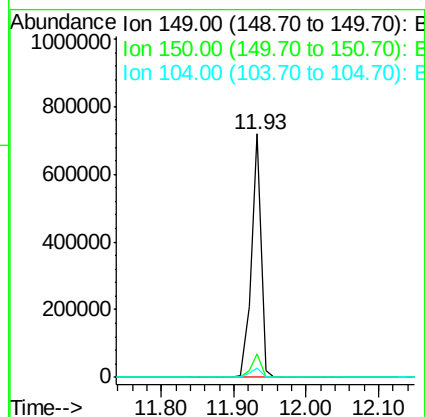
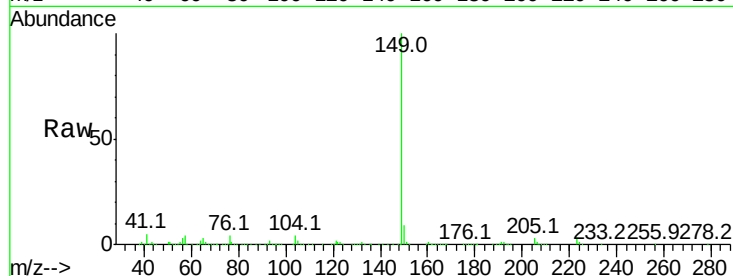
ClientSampleId :

UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 660225 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.5   | 7.8   | 11.6   |
| 104       | 4.1   | 3.8   | 5.8    |

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#74

Fluoranthene

Concen: 60.98 ng

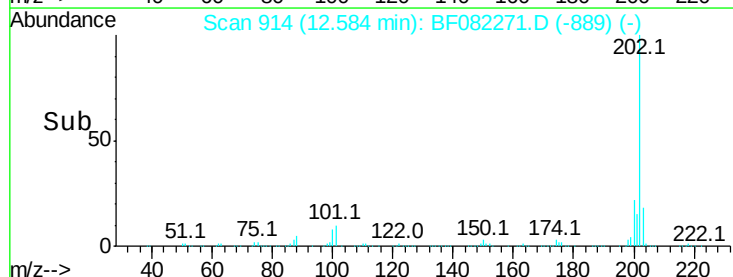
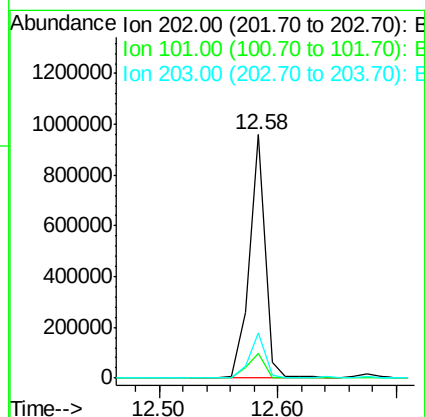
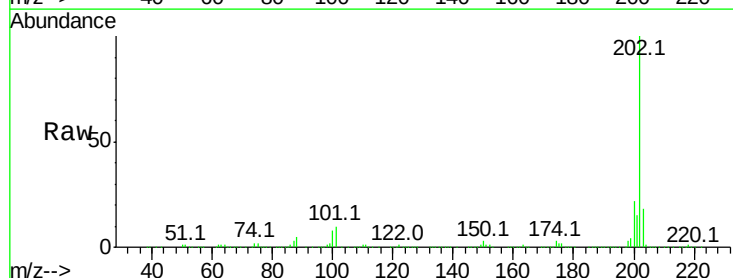
RT: 12.58 min Scan# 914

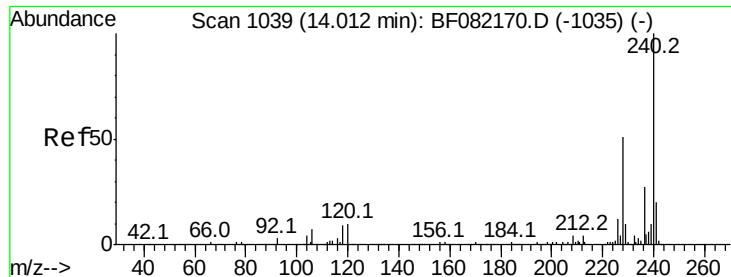
Delta R.T. -0.01 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 898555 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.1  | 0.0   | 29.3   |
| 203       | 18.3  | 0.0   | 37.8   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1041

Delta R.T. -0.10 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

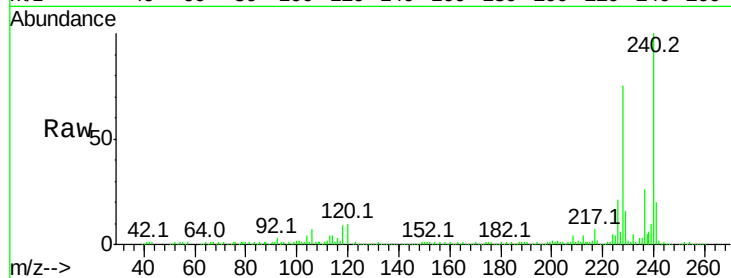
ClientSampleId :

UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 231357 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 10.1  | 8.1   | 12.1   |
| 236       | 26.0  | 21.3  | 31.9   |

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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

14.04

250000

200000

150000

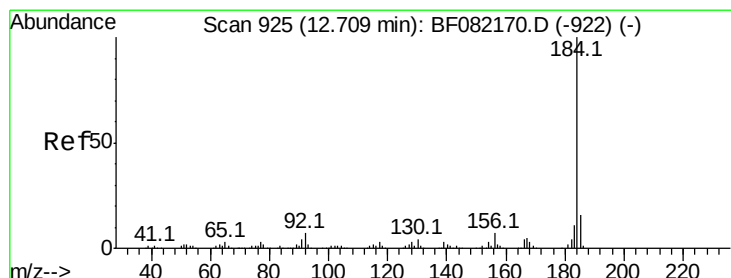
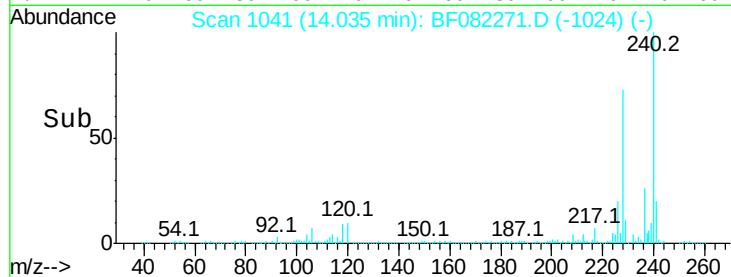
100000

50000

0

13.90 14.00 14.10 14.20

Time-->



#76

Benzidine

Concen: 23.12 ng

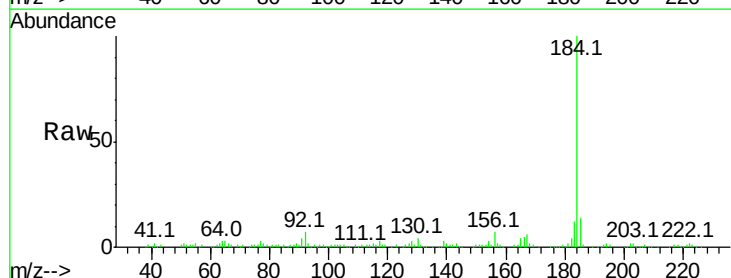
RT: 12.71 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 155033 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 13.6  | 12.5  | 18.7   |
| 183       | 11.5  | 9.1   | 13.7   |



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

12.71

150000

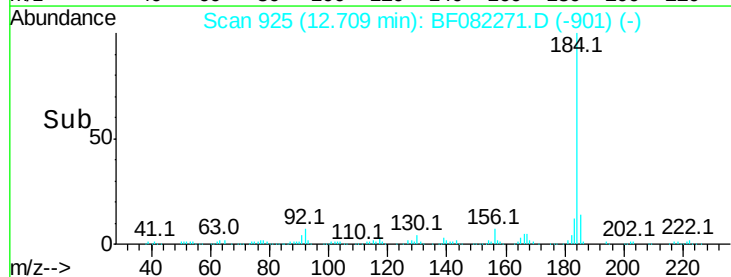
100000

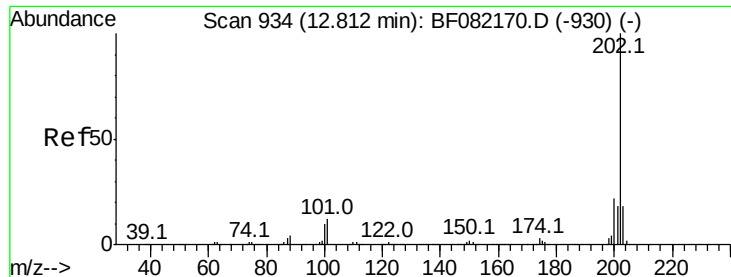
50000

0

12.60 12.70 12.80 12.90

Time-->





#77

Pvrene

Concen: 64.11 ng

RT: 12.81 min Scan# 934

Delta R.T. -0.02 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

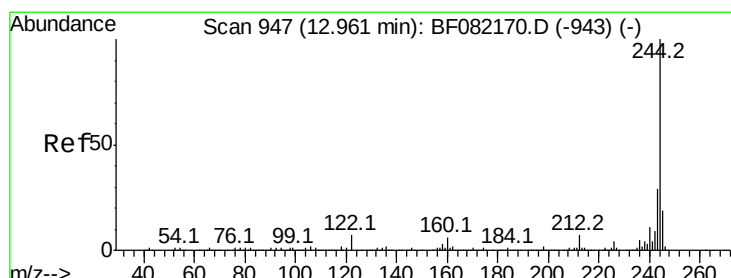
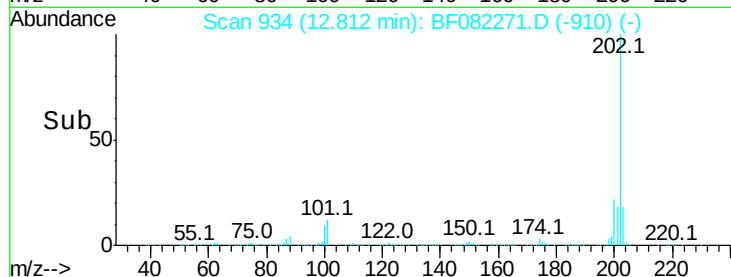
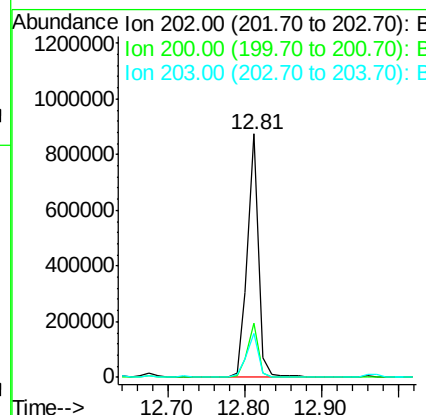
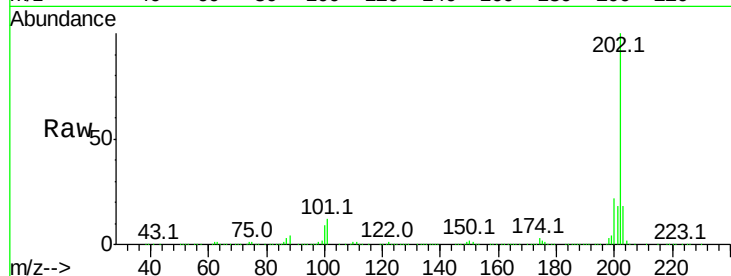
ClientSampleId :

UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 880210 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 22.2  | 17.9  | 26.9   |
| 203       | 18.1  | 14.5  | 21.7   |

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#78

Terphenyl-d14

Concen: 80.33 ng

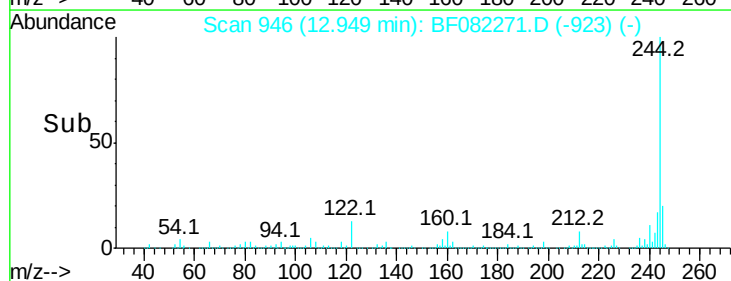
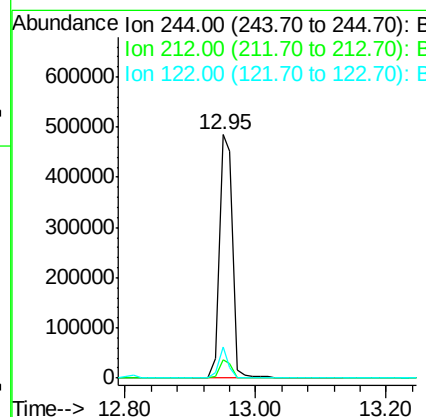
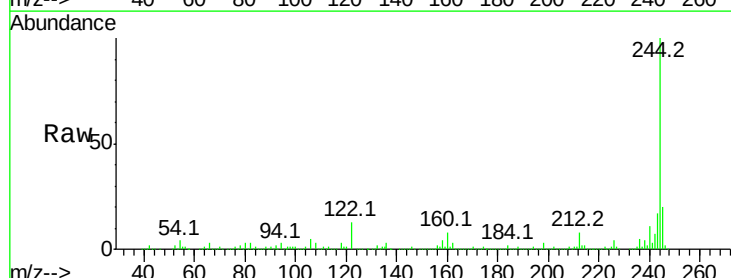
RT: 12.95 min Scan# 946

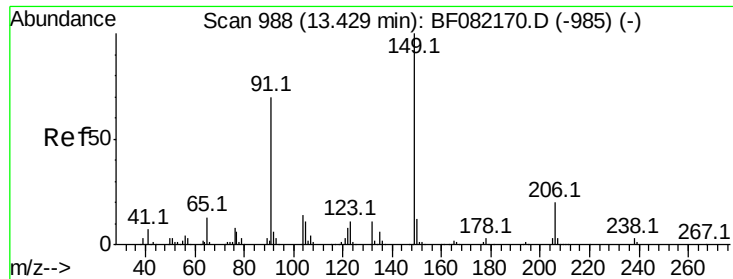
Delta R.T. -0.03 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 701346 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.6   | 5.8   | 8.6    |
| 122       | 13.1  | 5.9   | 8.9#   |





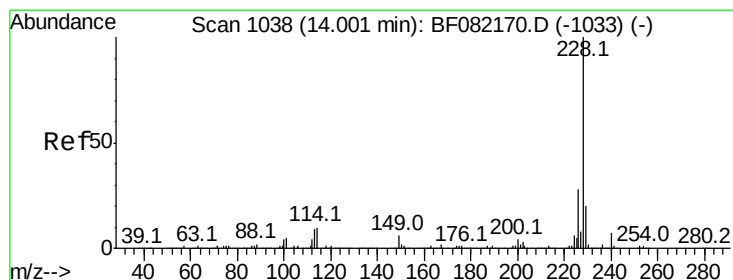
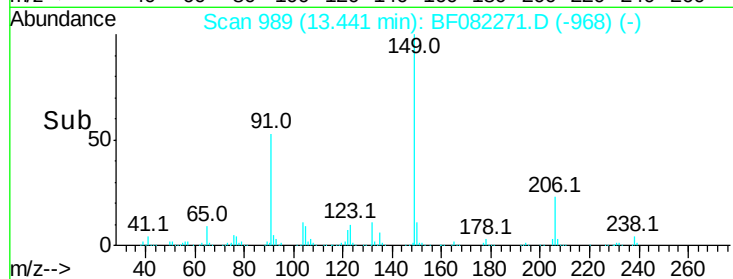
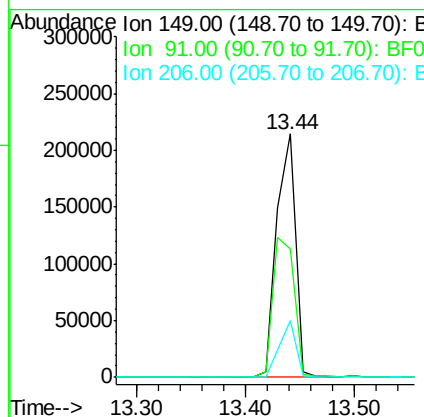
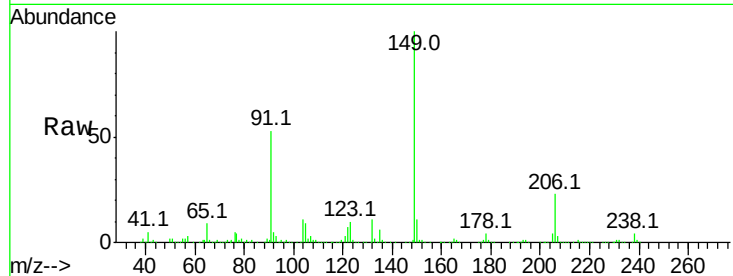
#79  
Butylbenzylphthalate  
Concen: 40.81 ng  
RT: 13.44 min Scan# 989  
Delta R.T. -0.06 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 91      | 52.8  | 55.7       | 83.5# |
| 206     | 23.5  | 15.6       | 23.4# |

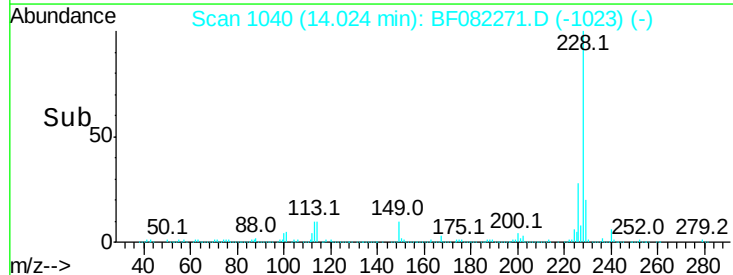
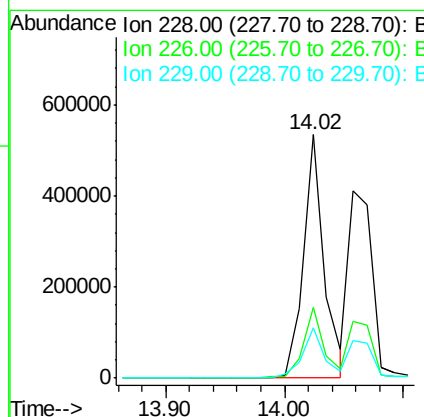
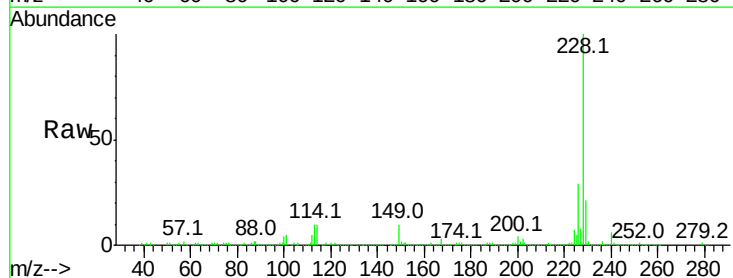
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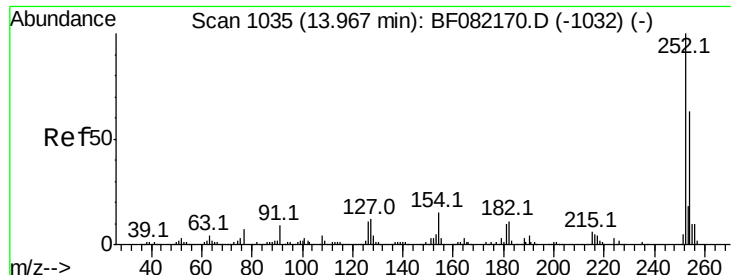
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#80  
Benzo(a)anthracene  
Concen: 53.37 ng  
RT: 14.02 min Scan# 1040  
Delta R.T. -0.10 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 29.1  | 22.3       | 33.5  |
| 229     | 20.8  | 16.2       | 24.2  |





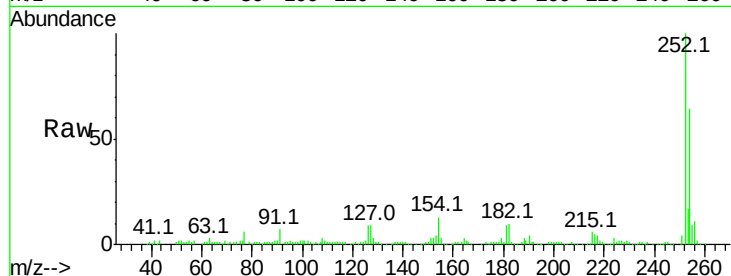
#81  
 3,3'-Dichlorobenzidine  
 Concen: 31.48 ng  
 RT: 13.99 min Scan# 1037  
 Delta R.T. -0.10 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-3MS

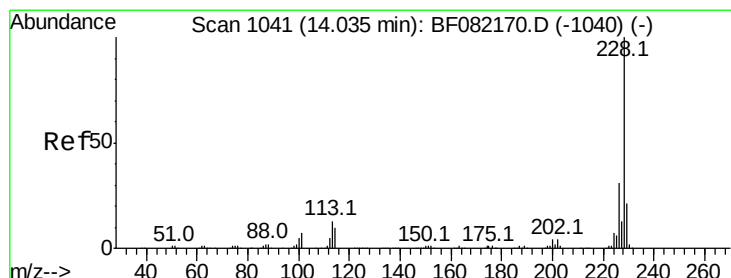
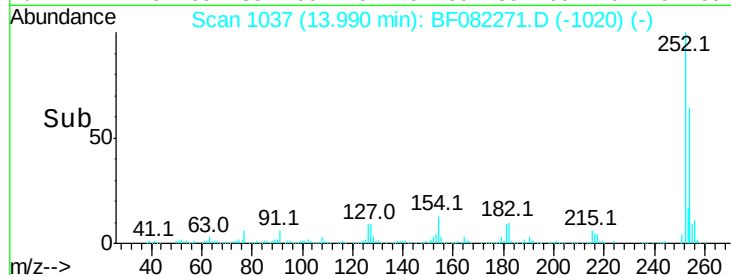
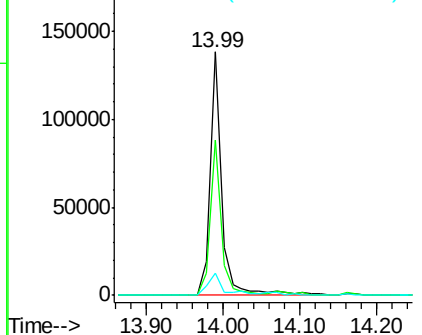
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 63.7  | 50.7       | 76.1  |
| 126     | 9.2   | 9.0        | 13.6  |

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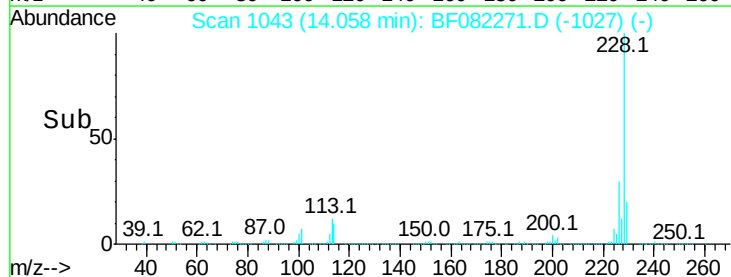
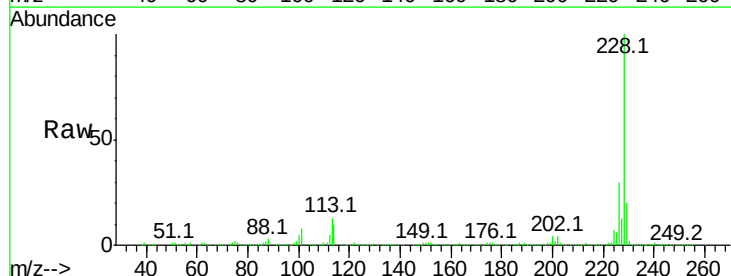
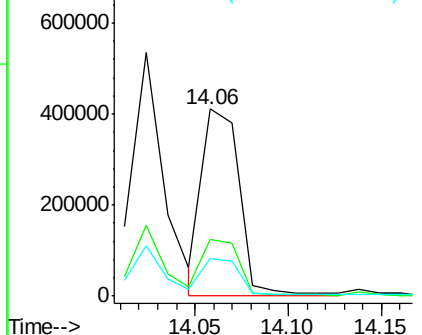
Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

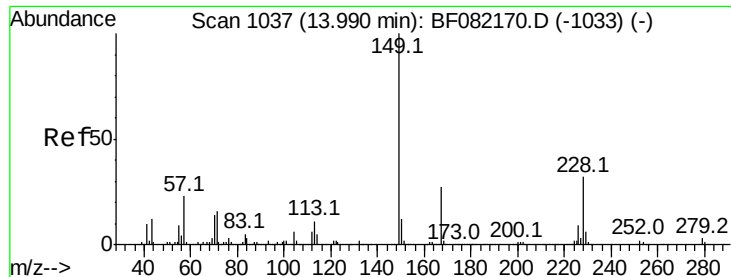


#82  
 Chrysene  
 Concen: 45.43 ng  
 RT: 14.06 min Scan# 1043  
 Delta R.T. -0.11 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 30.1  | 24.4       | 36.6  |
| 229     | 20.4  | 16.3       | 24.5  |

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





#83

Bis(2-ethylhexyl)phthalate

Concen: 37.43 ng

RT: 14.01 min Scan# 1039

Delta R.T. -0.11 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

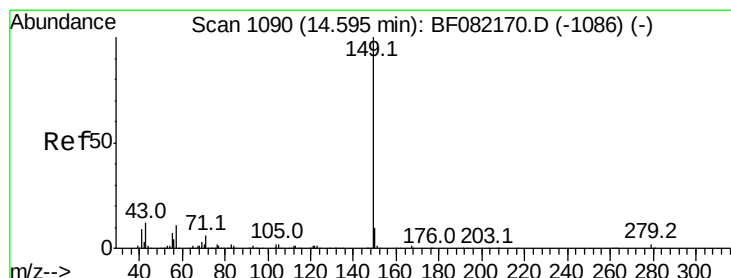
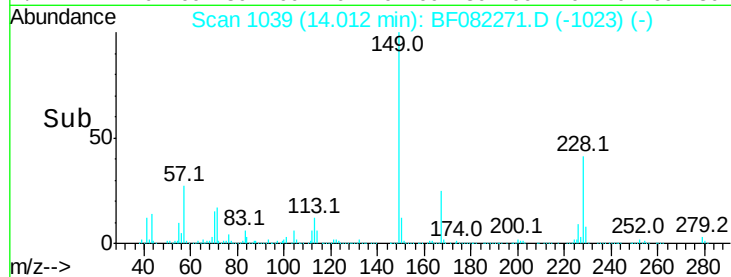
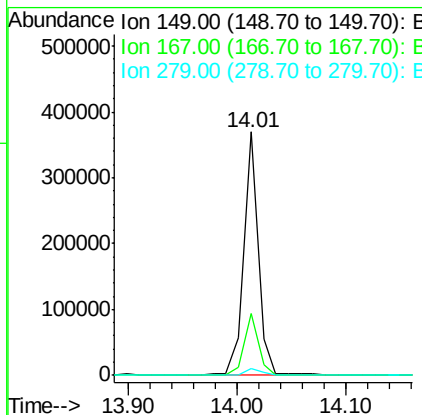
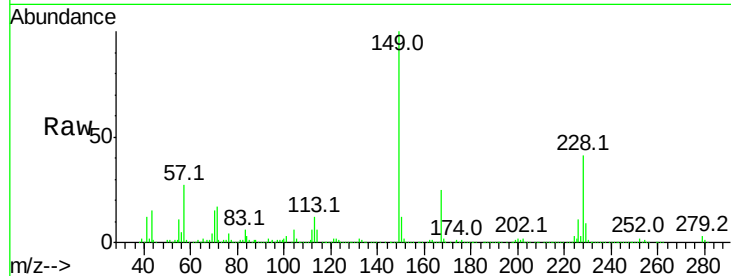
ClientSampleId :

UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 334606 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 25.3  | 21.3  | 31.9   |
| 279       | 2.7   | 2.6   | 4.0    |

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#84

Di-n-octyl phthalate

Concen: 34.16 ng

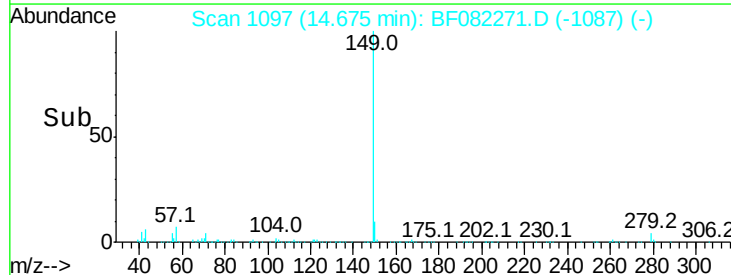
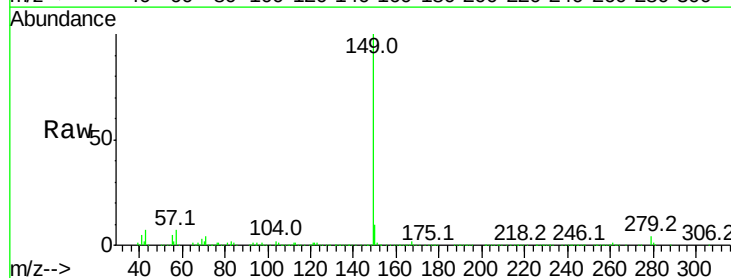
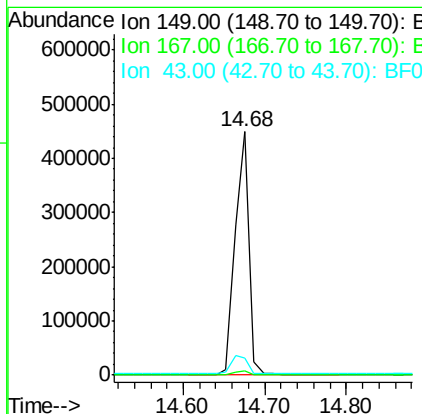
RT: 14.68 min Scan# 1097

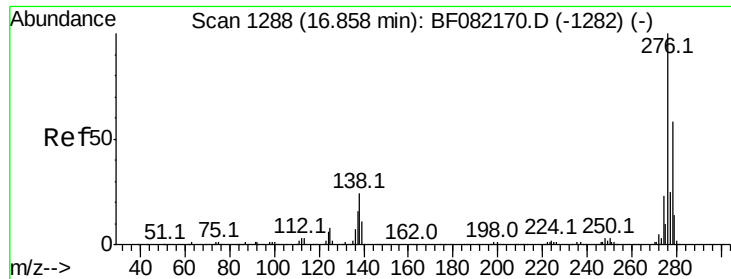
Delta R.T. -0.18 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 524377 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 1.6   | 1.3   | 1.9    |
| 43        | 9.1   | 7.4   | 11.2   |





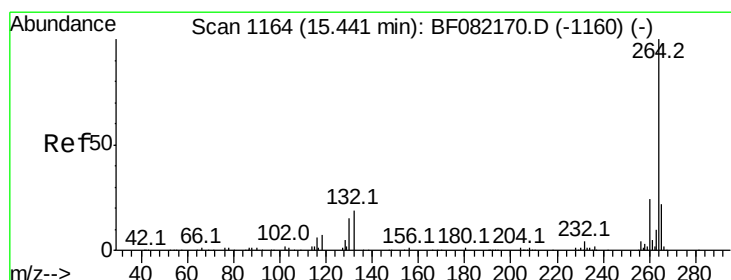
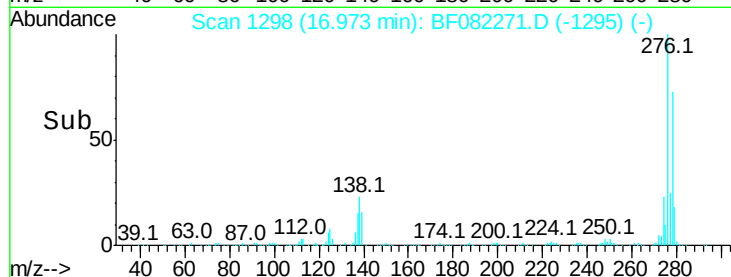
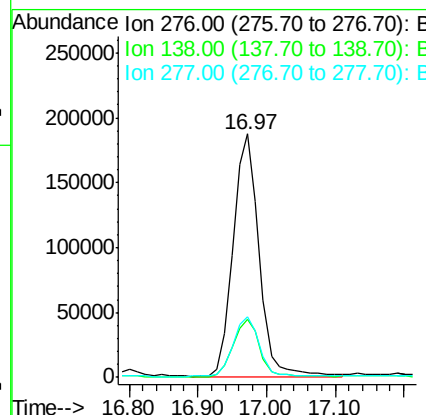
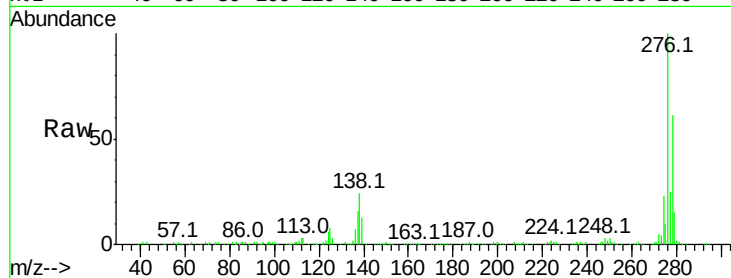
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 49.07 ng  
RT: 16.97 min Scan# 1298  
Delta R.T. -0.26 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.4  | 19.7  | 29.5  |
| 277     | 24.9  | 20.1  | 30.1  |

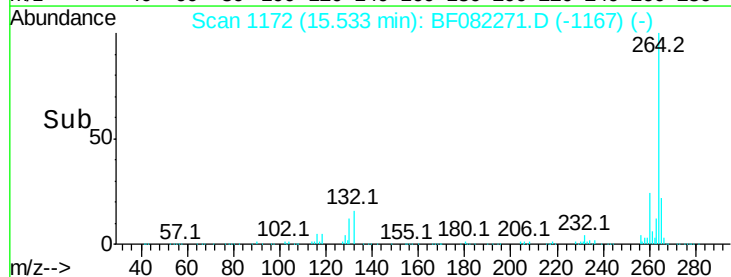
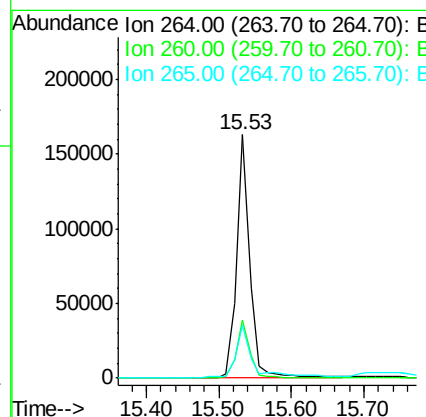
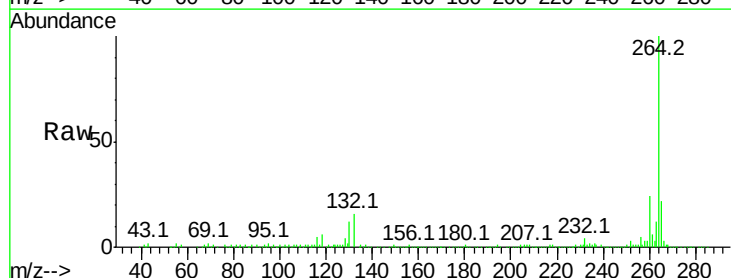
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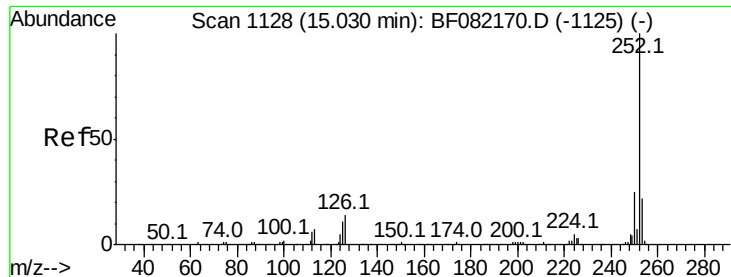
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.53 min Scan# 1172  
Delta R.T. -0.24 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.0  | 28.6  |
| 265     | 21.9  | 17.3  | 25.9  |





#87

Benzo(b)fluoranthene

Concen: 53.56 ng m

RT: 15.11 min Scan# 1135

Delta R.T. -0.23 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA\_F

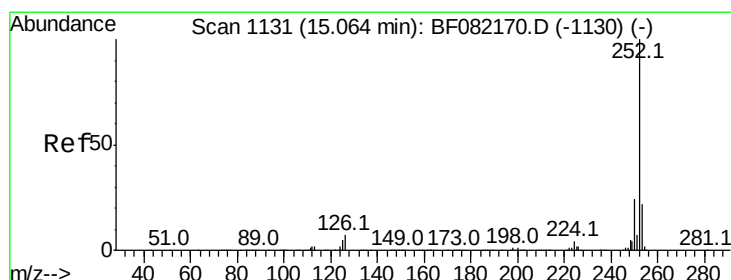
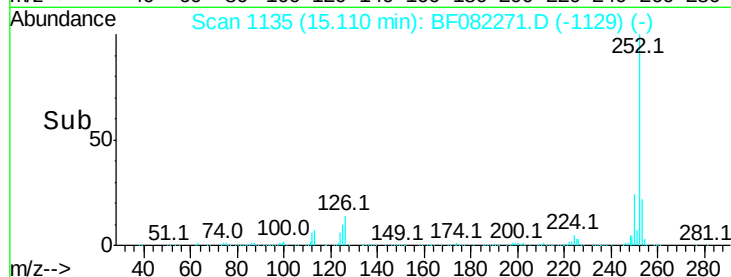
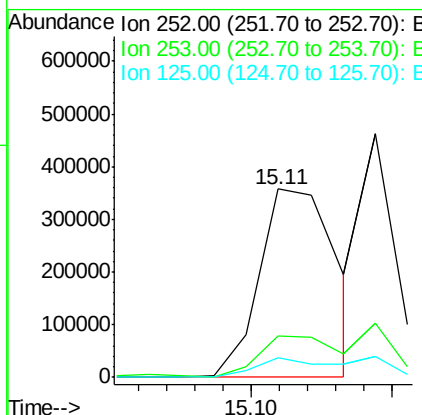
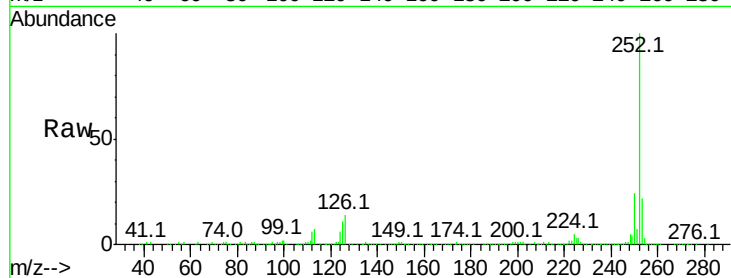
ClientSampleId :

UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 673971 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.1  | 18.0  | 27.0   |
| 125       | 10.5  | 8.6   | 12.8   |

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#88

Benzo(k)fluoranthene

Concen: 38.71 ng m

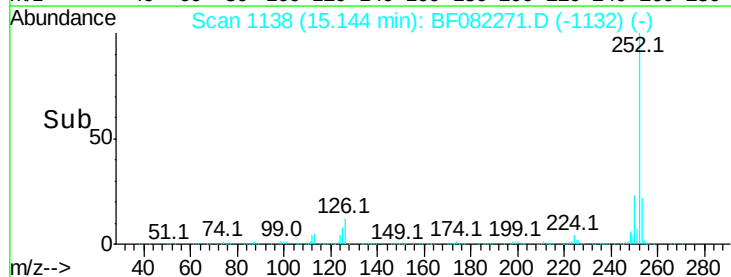
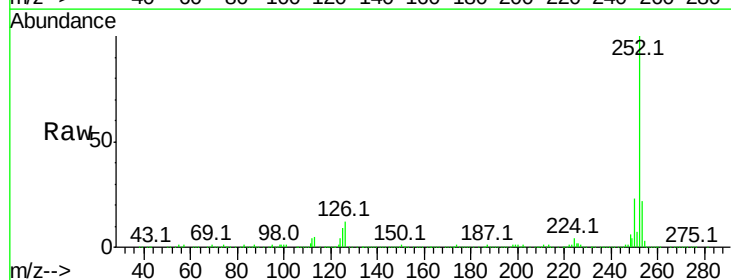
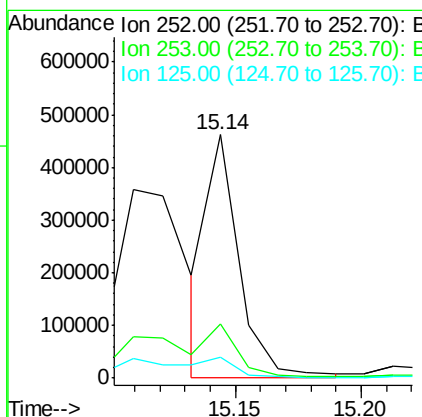
RT: 15.14 min Scan# 1138

Delta R.T. -0.23 min

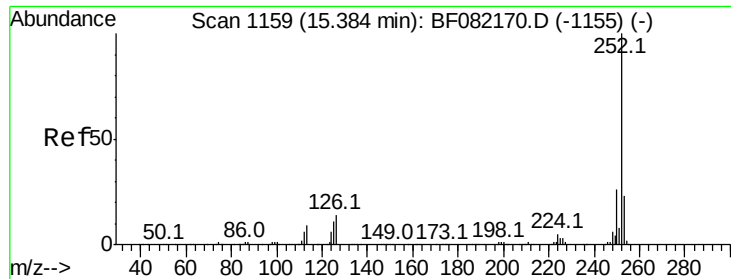
Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 409455 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.4  | 17.8  | 26.6   |
| 125       | 8.6   | 6.7   | 10.1   |







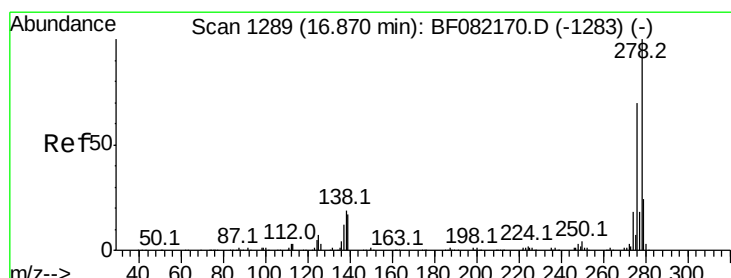
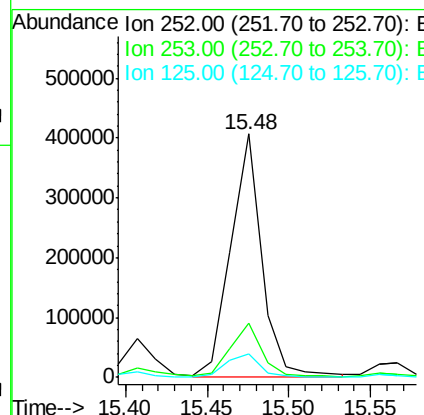
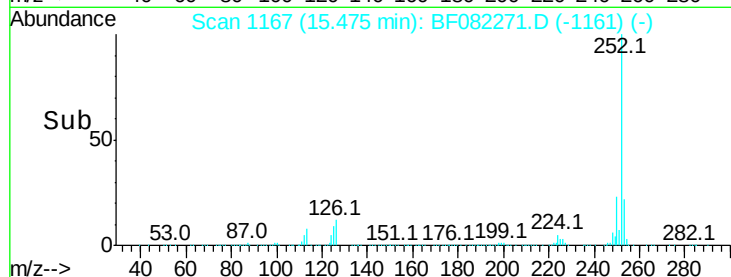
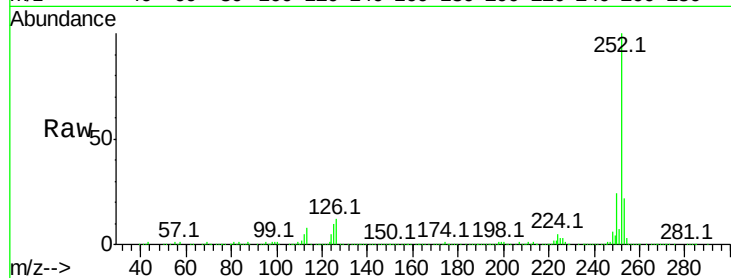
#89  
Benzo(a)pyrene  
Concen: 49.19 ng  
RT: 15.48 min Scan# 1167  
Delta R.T. -0.23 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

Instrument :  
BNA\_F  
ClientSampleId :  
UST-3MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 531939 |       |       |
| 253     | 22.4  | 18.2   | 27.2  |       |
| 125     | 9.5   | 8.9    | 13.3  |       |

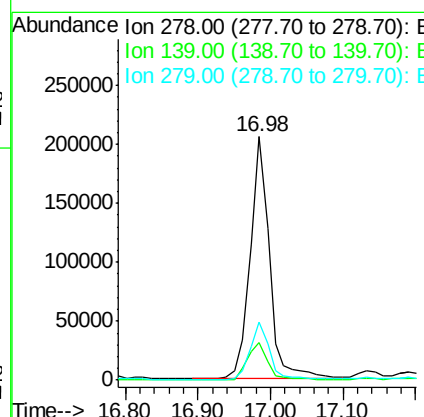
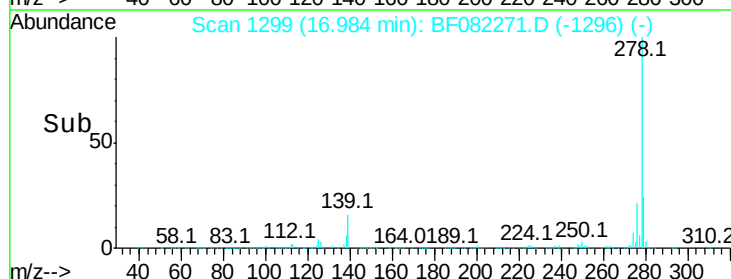
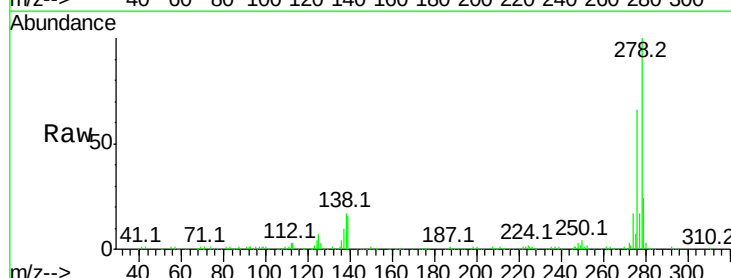
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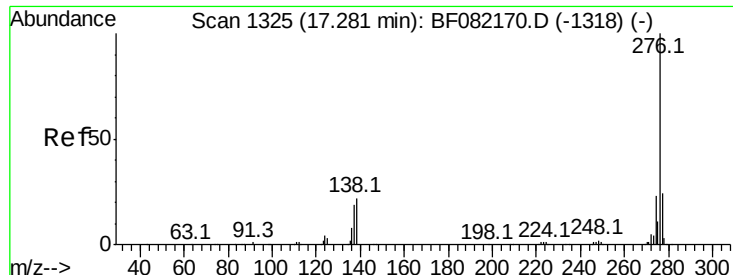
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#90  
Dibenzo(a,h)anthracene  
Concen: 43.22 ng  
RT: 16.98 min Scan# 1299  
Delta R.T. -0.26 min  
Lab File: BF082271.D  
Acq: 13 Oct 2015 23:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 278     | 100   | 383032 |       |       |
| 139     | 15.5  | 13.3   | 19.9  |       |
| 279     | 24.0  | 18.9   | 28.3  |       |





#91  
 Benzo(a,h,i)perylene  
 Concen: 48.59 ng  
 RT: 17.40 min Scan# 1335  
 Delta R.T. -0.27 min  
 Lab File: BF082271.D  
 Acq: 13 Oct 2015 23:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-3MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 418301 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 24.3  | 18.8  | 28.2   |
| 138       | 22.5  | 17.4  | 26.2   |

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