

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032715\  
 Data File : BF078054.D  
 Acq On : 27 Mar 2015 23:35  
 Operator : TP/IZ  
 Sample : PB82381BSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82381BSD

Manual Integrations  
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apatel  
 3/30/2015 6:31:00 PM

Quant Time: Mar 28 06:30:57 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 28 05:39:24 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.07  | 152  | 39073    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.65  | 136  | 160363   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.82 | 164  | 83509    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.65 | 188  | 158367   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 15.93 | 240  | 171953   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 17.64 | 264  | 166047   | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |        |       |    |       |
|--------------------------|-------|-----|--------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.37  | 112 | 179324 | 80.11 | ng | 0.00  |
| 7) Phenol-d6             | 6.67  | 99  | 233641 | 84.48 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.77  | 82  | 168424 | 68.85 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 11.80 | 330 | 57736  | 72.26 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 10.00 | 172 | 379269 | 66.74 | ng | 0.00  |
| 78) Terphenyl-d14        | 14.65 | 244 | 471986 | 67.05 | ng | 0.00  |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.95 | 88  | 31237  | 30.74 | ng | # 100  |
| 3) Pyridine                    | 2.61 | 79  | 87774  | 32.14 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 2.54 | 42  | 40450  | 34.02 | ng | 96     |
| 6) Aniline                     | 6.66 | 93  | 59032  | 14.92 | ng | # 89   |
| 8) 2-Chlorophenol              | 6.81 | 128 | 109883 | 41.24 | ng | 96     |
| 9) Benzaldehyde                | 6.52 | 77  | 3701   | 3.27  | ng | 97     |
| 10) Phenol                     | 6.68 | 94  | 133688 | 40.89 | ng | # 74   |
| 11) bis(2-Chloroethyl)ether    | 6.77 | 93  | 101942 | 41.63 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.99 | 146 | 114284 | 38.56 | ng | # 95   |
| 13) 1,4-Dichlorobenzene        | 7.09 | 146 | 115328 | 37.45 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 7.28 | 146 | 108147 | 38.31 | ng | 94     |
| 15) Benzyl Alcohol             | 7.26 | 79  | 81630  | 37.81 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.45 | 45  | 131816 | 39.94 | ng | 97     |
| 17) 2-Methylphenol             | 7.42 | 107 | 85877  | 39.59 | ng | # 94   |
| 18) Hexachloroethane           | 7.70 | 117 | 39827  | 39.44 | ng | # 80   |
| 19) n-Nitroso-di-n-propylamine | 7.60 | 70  | 72374  | 37.83 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.63 | 107 | 118062 | 41.48 | ng | 99     |
| 22) Acetophenone               | 7.58 | 105 | 147866 | 41.65 | ng | # 98   |
| 24) Nitrobenzene               | 7.79 | 77  | 102767 | 38.99 | ng | 100    |
| 25) Isophorone                 | 8.10 | 82  | 197693 | 40.01 | ng | 99     |
| 26) 2-Nitrophenol              | 8.19 | 139 | 54701  | 42.39 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 8.27 | 122 | 99862  | 42.48 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 8.38 | 93  | 125350 | 41.80 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 8.50 | 162 | 93432  | 41.70 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.59 | 180 | 93731  | 37.39 | ng | 98     |
| 31) Naphthalene                | 8.68 | 128 | 316309 | 38.40 | ng | 99     |
| 32) Benzoic acid               | 8.40 | 122 | 50879  | 39.40 | ng | 95     |
| 33) 4-Chloroaniline            | 8.76 | 127 | 50464  | 15.10 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.83 | 225 | 52624  | 37.03 | ng | 97     |
| 35) Caprolactam                | 9.20 | 113 | 28733  | 43.88 | ng | # 78   |
| 36) 4-Chloro-3-methylphenol    | 9.39 | 107 | 93034  | 41.27 | ng | 99     |
| 37) 2-Methylnaphthalene        | 9.54 | 142 | 224776 | 40.62 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.74 | 216 | 96266  | 38.65 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 9.72 | 237 | 93384  | 75.10 | ng | 97     |

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Manual Integrations  
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apatel  
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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 28 05:39:24 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.89  | 196  | 65432    | 37.92 | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 9.95  | 196  | 72931    | 39.13 | nq #  | 95       |
| 45) 1,1'-Biphenyl              | 10.12 | 154  | 266476   | 39.92 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 10.13 | 162  | 203954   | 37.59 | nq #  | 93       |
| 47) 2-Nitroaniline             | 10.27 | 65   | 54595    | 40.52 | nq #  | 81       |
| 48) Acenaphthylene             | 10.65 | 152  | 330575   | 36.64 | nq    | 99       |
| 49) Dimethylphthalate          | 10.51 | 163  | 241713   | 39.03 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 10.58 | 165  | 52423    | 40.83 | nq #  | 83       |
| 51) Acenaphthene               | 10.85 | 154  | 193394   | 37.39 | nq    | 99       |
| 52) 3-Nitroaniline             | 10.78 | 138  | 30010    | 20.13 | nq    | 84       |
| 53) 2,4-Dinitrophenol          | 10.92 | 184  | 32782    | 70.56 | nq #  | 79       |
| 54) Dibenzofuran               | 11.07 | 168  | 297747   | 38.81 | nq    | 92       |
| 55) 4-Nitrophenol              | 11.02 | 139  | 82403    | 74.61 | nq #  | 70       |
| 56) 2,4-Dinitrotoluene         | 11.08 | 165  | 73139    | 43.69 | nq #  | 63       |
| 57) Fluorene                   | 11.49 | 166  | 238043   | 37.37 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.23 | 232  | 54688    | 38.10 | nq #  | 100      |
| 59) Diethylphthalate           | 11.39 | 149  | 249584   | 41.36 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 11.51 | 204  | 113580   | 39.07 | nq #  | 83       |
| 61) 4-Nitroaniline             | 11.54 | 138  | 52959    | 35.64 | nq    | 84       |
| 62) Azobenzene                 | 11.70 | 77   | 227128   | 39.38 | nq    | 89       |
| 64) 4,6-Dinitro-2-methylphenol | 11.57 | 198  | 24578    | 34.22 | nq    | 88       |
| 65) n-Nitrosodiphenylamine     | 11.67 | 169  | 213039   | 40.40 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 12.11 | 248  | 68523    | 40.54 | nq #  | 86       |
| 67) Hexachlorobenzene          | 12.17 | 284  | 72465    | 39.02 | nq #  | 90       |
| 68) Atrazine                   | 12.34 | 200  | 68859    | 46.60 | nq    | 96       |
| 69) Pentachlorophenol          | 12.43 | 266  | 57495    | 59.92 | nq    | 100      |
| 70) Phenanthrene               | 12.68 | 178  | 360145   | 39.61 | nq    | 100      |
| 71) Anthracene                 | 12.75 | 178  | 371532   | 41.36 | nq    | 99       |
| 72) Carbazole                  | 12.96 | 167  | 340629   | 39.87 | nq    | 99       |
| 73) Di-n-butylphthalate        | 13.41 | 149  | 403393   | 42.11 | nq    | 99       |
| 74) Fluoranthene               | 14.16 | 202  | 406437   | 40.53 | nq    | 99       |
| 76) Benzidine                  | 14.34 | 184  | 118469   | 27.70 | nq    | 100      |
| 77) Pyrene                     | 14.43 | 202  | 409450   | 37.87 | nq    | 99       |
| 79) Butylbenzylphthalate       | 15.27 | 149  | 180239   | 42.28 | nq #  | 83       |
| 80) Benzo(a)anthracene         | 15.92 | 228  | 387283   | 37.99 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 15.91 | 252  | 83912    | 24.96 | nq    | 96       |
| 82) Chrysene                   | 15.96 | 228  | 370253   | 40.40 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 15.99 | 149  | 273363   | 42.33 | nq #  | 95       |
| 84) Di-n-octyl phthalate       | 16.77 | 149  | 472914   | 42.83 | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 18.98 | 276  | 443211   | 38.74 | nq #  | 100      |
| 87) Benzo(b)fluoranthene       | 17.21 | 252  | 406079   | 37.46 | nq #  | 95       |
| 88) Benzo(k)fluoranthene       | 17.23 | 252  | 365337m  | 43.15 | nq    |          |
| 89) Benzo(a)pyrene             | 17.57 | 252  | 382477   | 42.29 | nq #  | 96       |
| 90) Dibenzo(a,h)anthracene     | 19.01 | 278  | 357767   | 39.88 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 19.38 | 276  | 361472   | 39.58 | nq    | 99       |

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

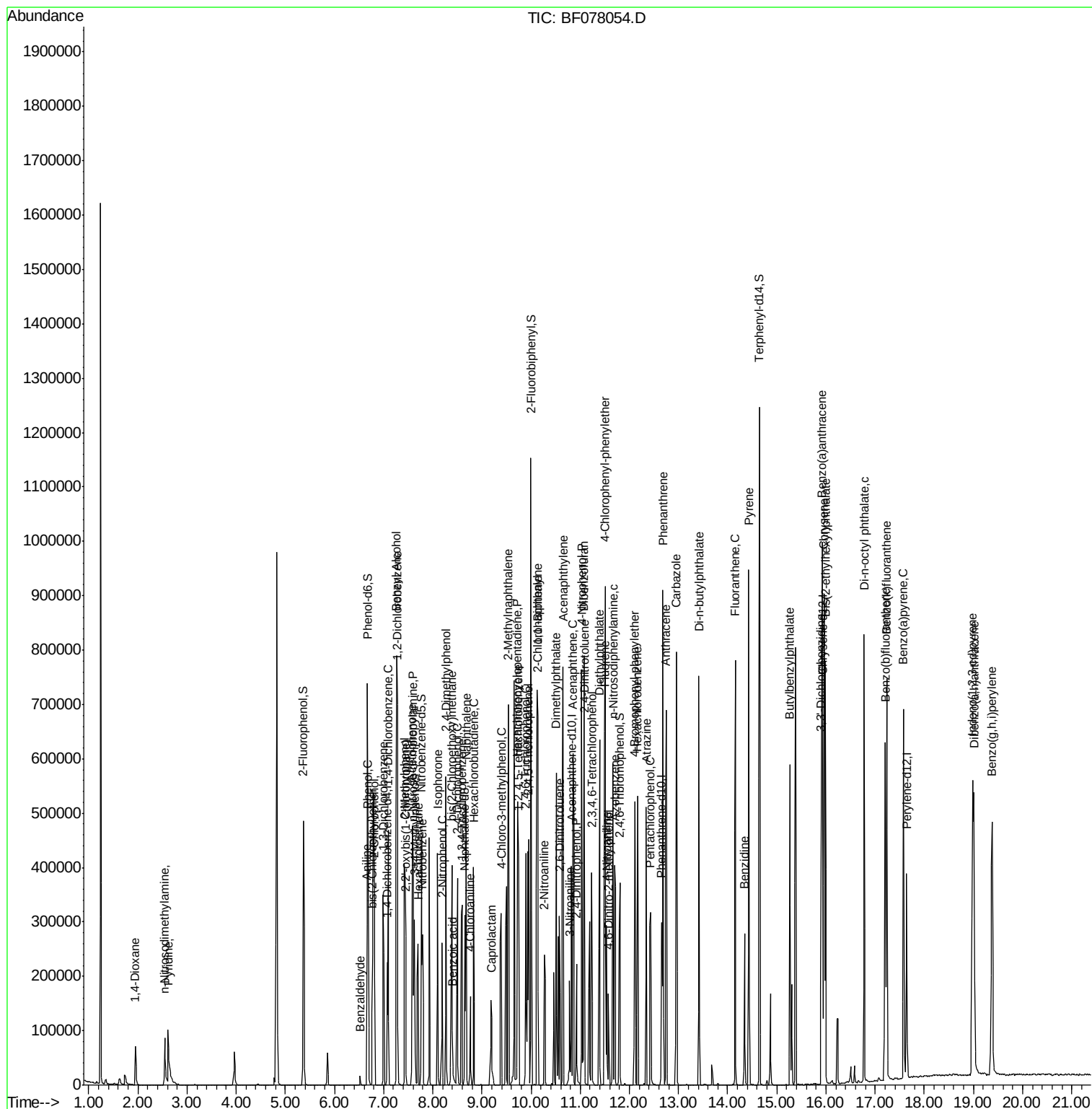
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Data Path : Z:\HPCHEM1\BNA F\DATA\BF032715\  
Data File : BF078054.D  
Acq On    : 27 Mar 2015   23:35  
Operator  : TP/IZ  
Sample    : PB82381BSD  
Misc      :  
ALS Vial  : 20      Sample Multiplier: 1
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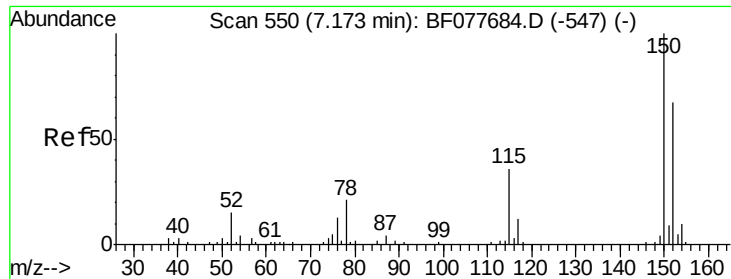
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
PB82381BSD

## Manual Integrations APPROVED

apatel  
3/30/2015 6:31:00 PM

Quant Time: Mar 28 06:30:57 2015  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 28 05:39:24 2015  
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#1

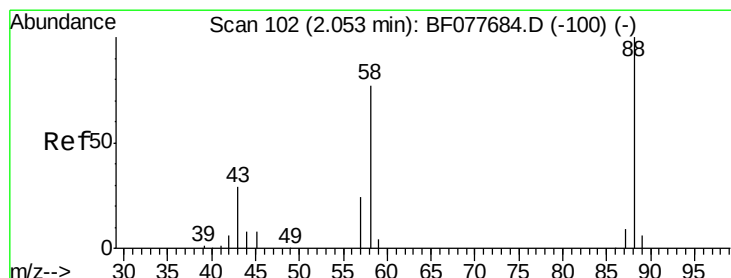
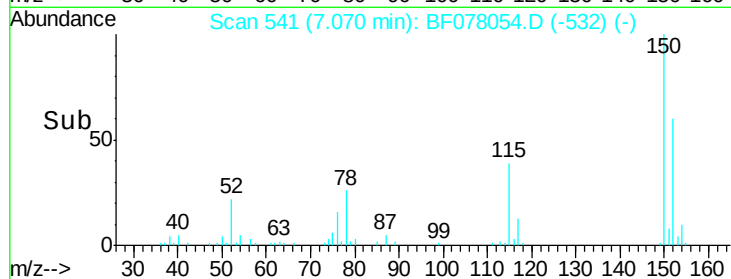
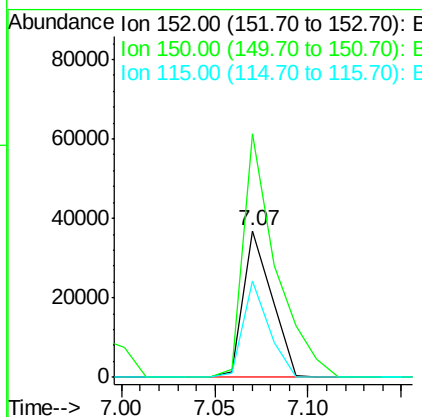
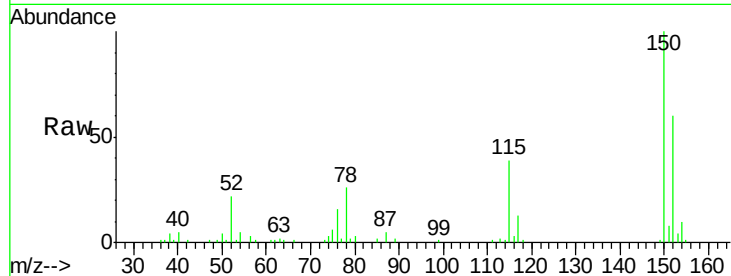
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.07 min Scan# 541  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 166.3 | 119.5 | 179.3 |
| 115     | 65.7  | 43.0  | 64.4  |

Manual Integrations  
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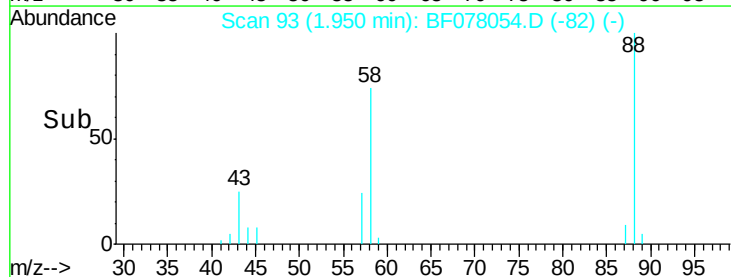
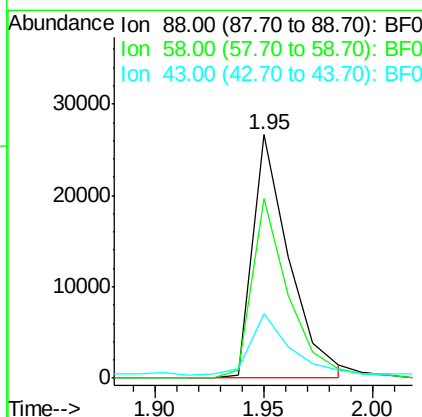
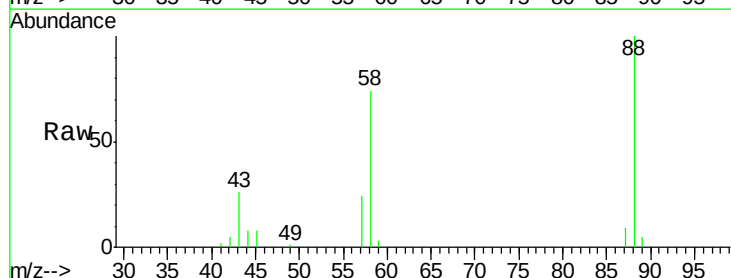
apatel  
3/30/2015 6:31:00 PM

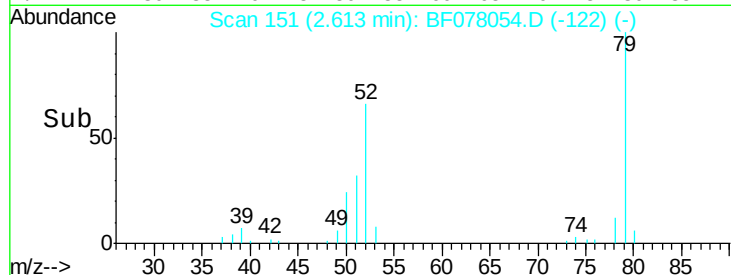
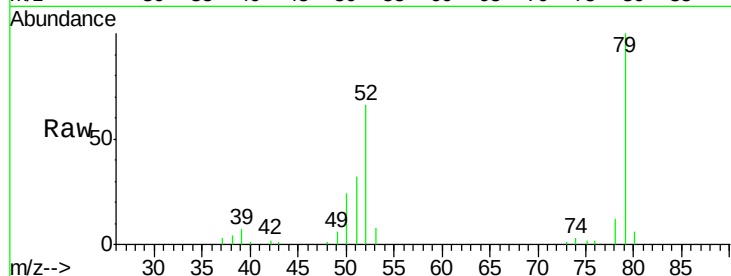
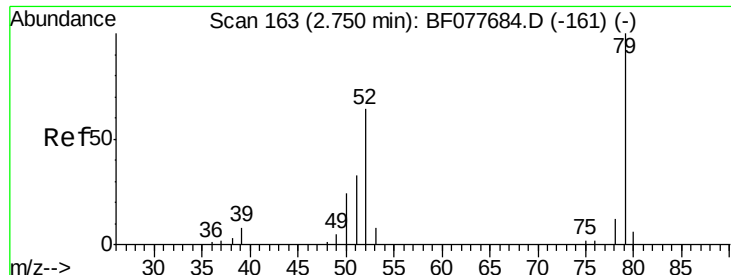


#2

1,4-Dioxane  
Concen: 30.74 ng  
RT: 1.95 min Scan# 93  
Delta R.T. 0.02 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 73.7  | 0.0   | 0.0   |
| 43      | 26.9  | 0.0   | 0.0   |





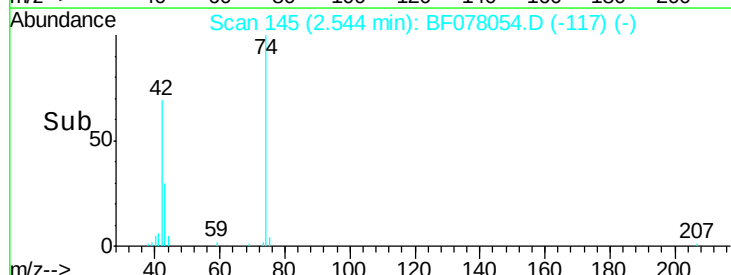
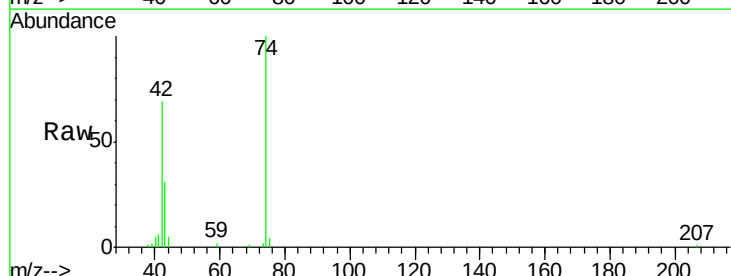
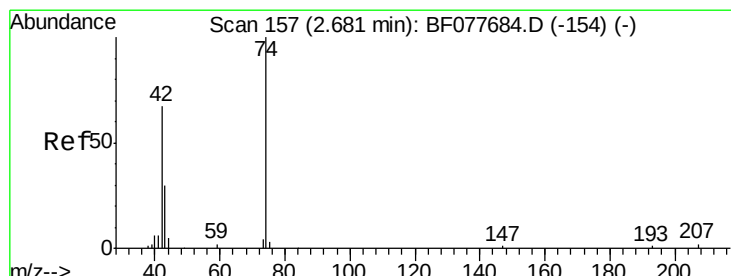
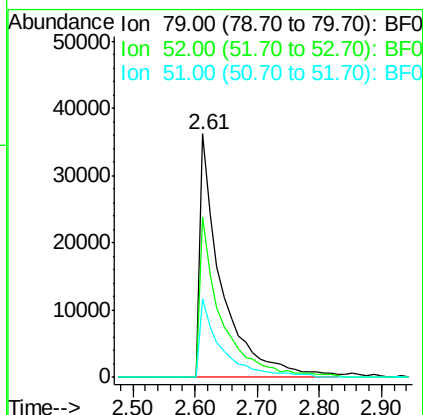
#3  
 Pvridine  
 Concen: 32.14 ng  
 RT: 2.61 min Scan# 151  
 Delta R.T. 0.03 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 87774 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 66.0  | 51.1  | 76.7  |
| 51       | 32.2  | 26.1  | 39.1  |

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82381BSD

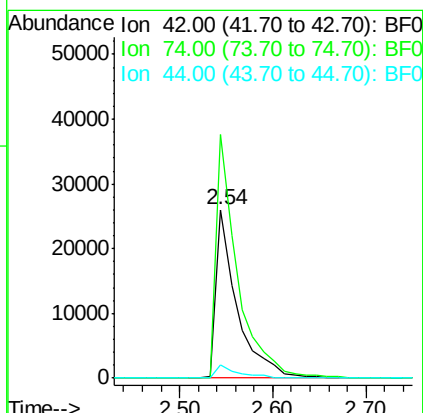
Manual Integrations  
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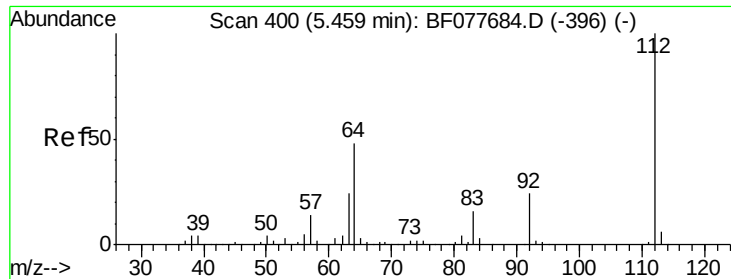
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#4  
 n-Nitrosodimethylamine  
 Concen: 34.02 ng  
 RT: 2.54 min Scan# 145  
 Delta R.T. 0.02 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 40450 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 144.3 | 119.3 | 178.9 |
| 44       | 7.5   | 5.4   | 8.2   |





#5

2-Fluorophenol

Concen: 80.11 ng

RT: 5.37 min Scan# 392

Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

Instrument :

BNA\_F

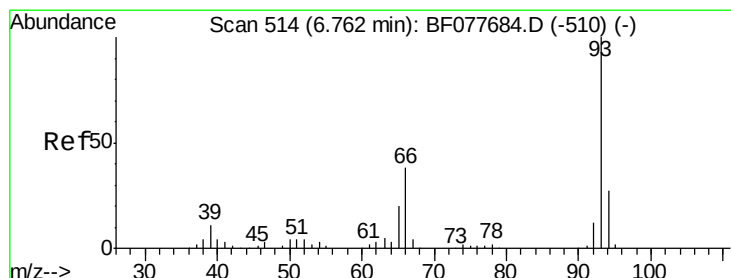
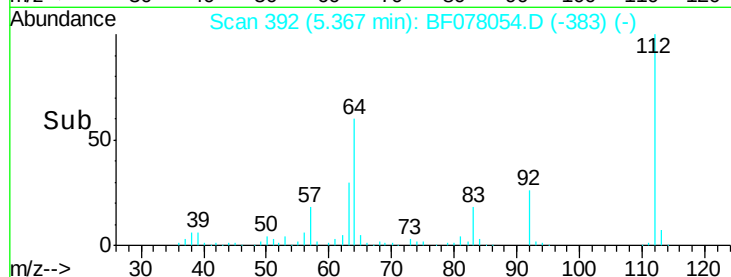
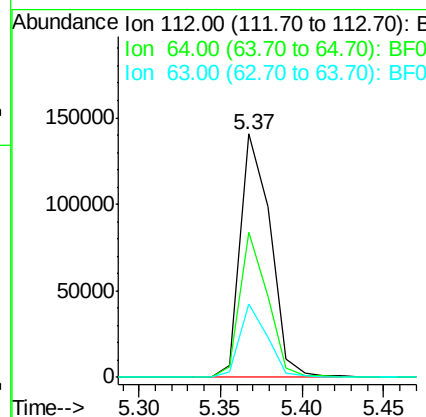
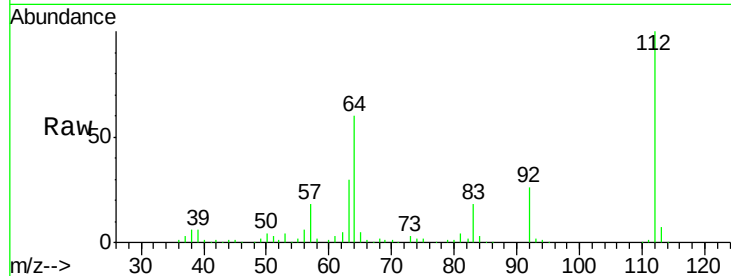
ClientSampleId :

PB82381BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 179324 |       |       |
| 64      | 59.6  | 38.6   | 57.8# |       |
| 63      | 30.1  | 19.3   | 28.9# |       |

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#6

Aniline

Concen: 14.92 ng

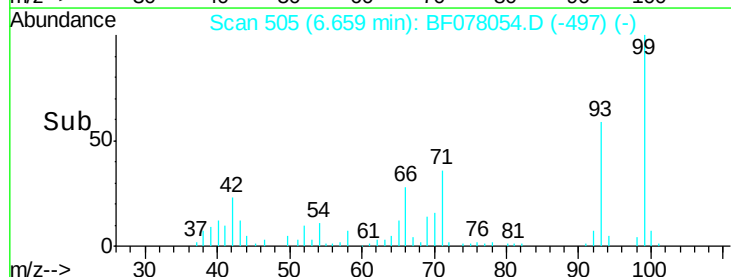
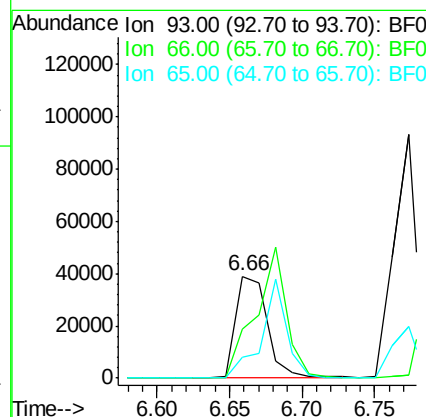
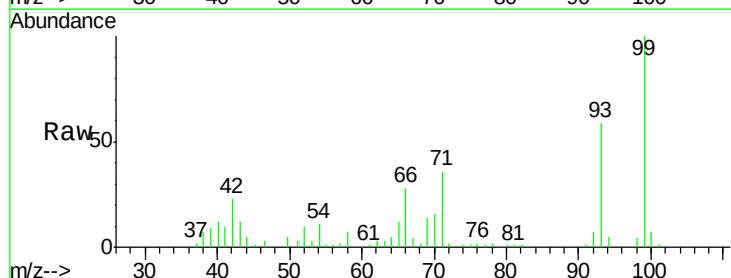
RT: 6.66 min Scan# 505

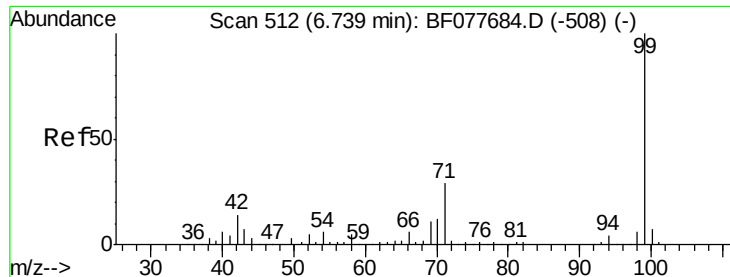
Delta R.T. -0.01 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 93      | 100   | 59032 |       |       |
| 66      | 47.8  | 30.8  | 46.2# |       |
| 65      | 21.0  | 16.0  | 24.0  |       |





#7

Phenol-d6

Concen: 84.48 ng

RT: 6.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

Instrument :

BNA\_F

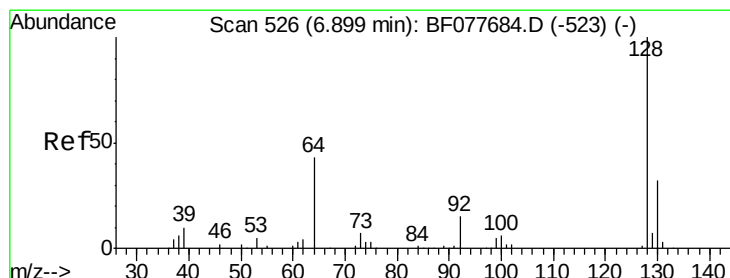
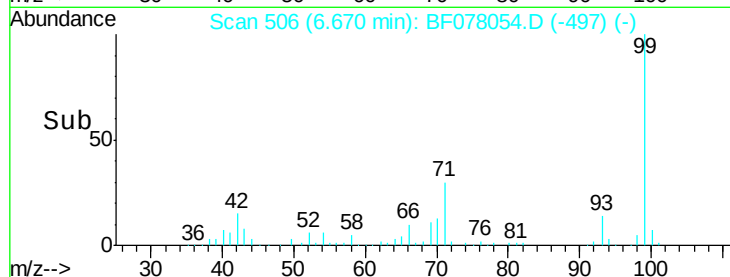
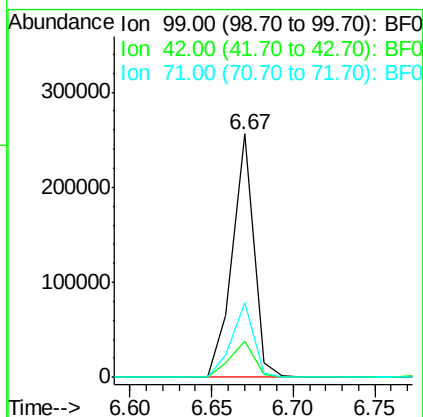
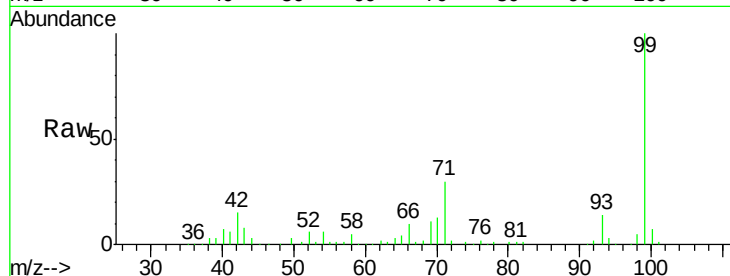
ClientSampleId :

PB82381BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 233641 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 14.9  | 11.0  | 16.4   |
| 71        | 30.4  | 23.4  | 35.2   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 41.24 ng

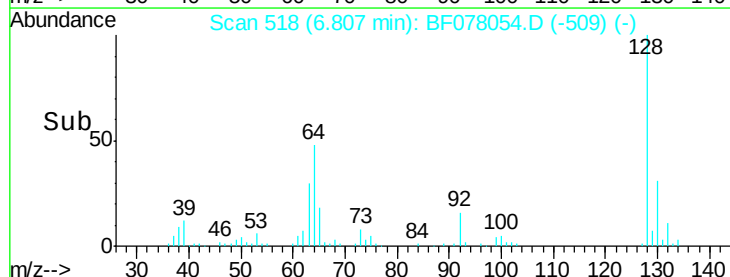
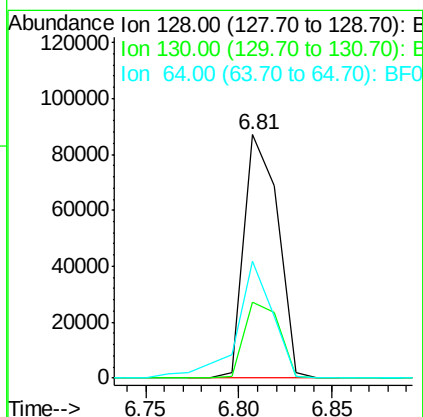
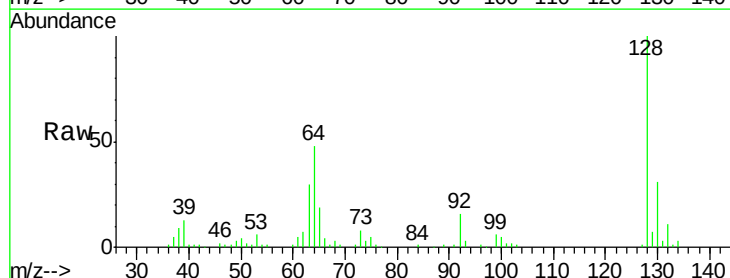
RT: 6.81 min Scan# 518

Delta R.T. -0.00 min

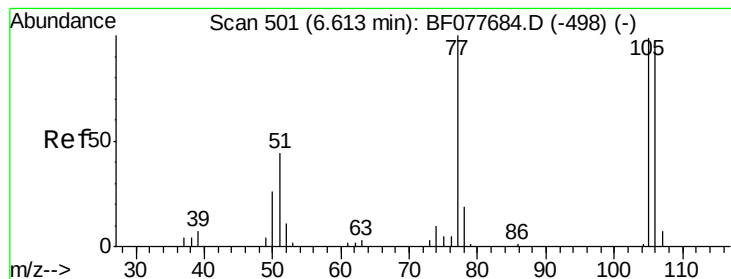
Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 109883 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 30.9  | 12.0  | 52.0   |
| 64        | 48.0  | 24.9  | 64.9   |







#9

Benzaldehyde

Concen: 3.27 ng

RT: 6.52 min Scan# 493

Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

Instrument :

BNA\_F

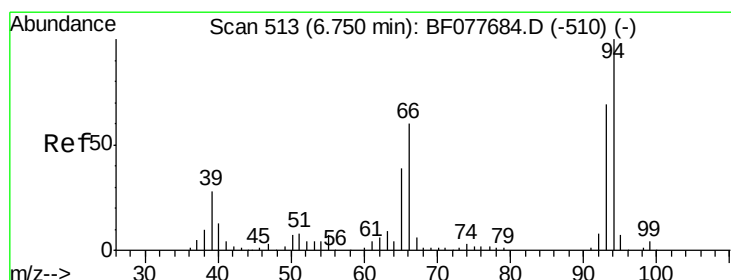
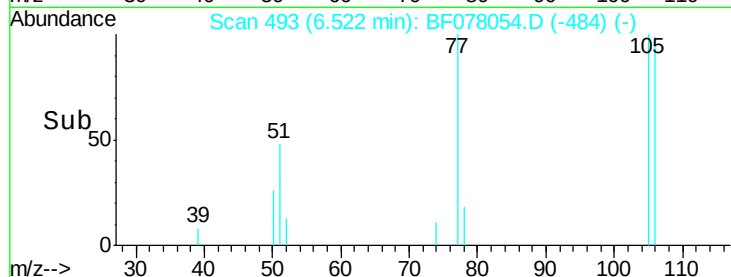
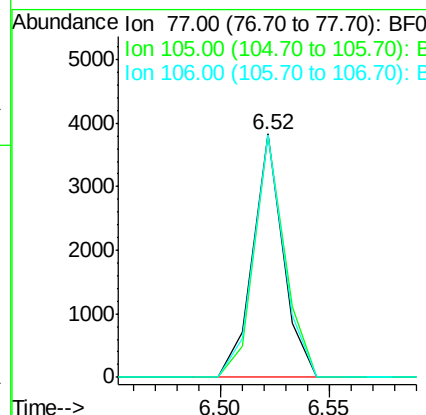
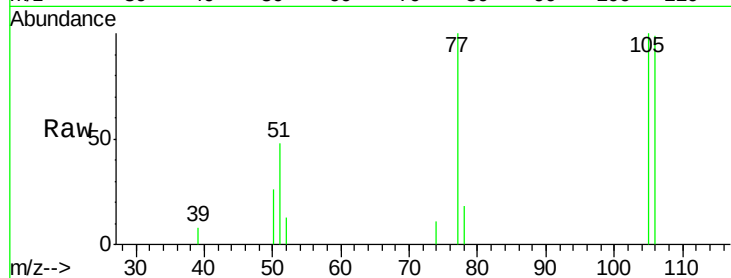
ClientSampleID :

PB82381BSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 3701  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 99.5  | 78.8  | 118.8 |
| 106      | 99.3  | 73.7  | 113.7 |

Manual Integrations  
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#10

Phenol

Concen: 40.89 ng

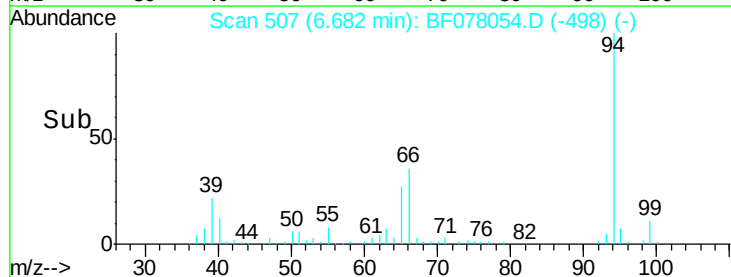
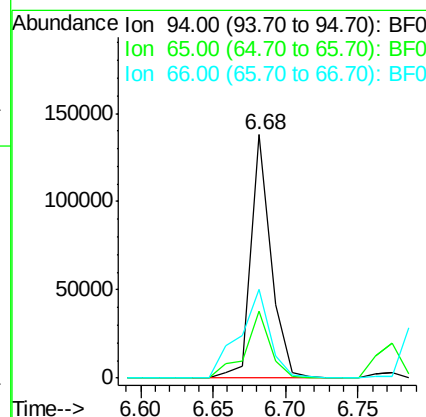
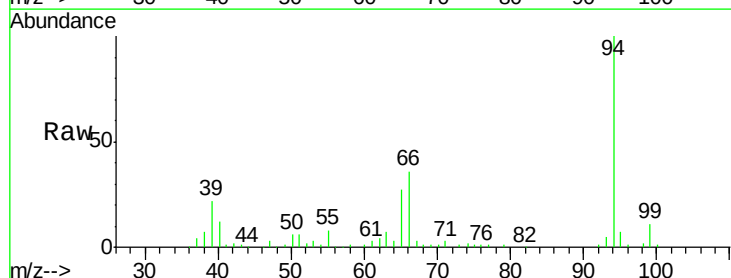
RT: 6.68 min Scan# 507

Delta R.T. -0.00 min

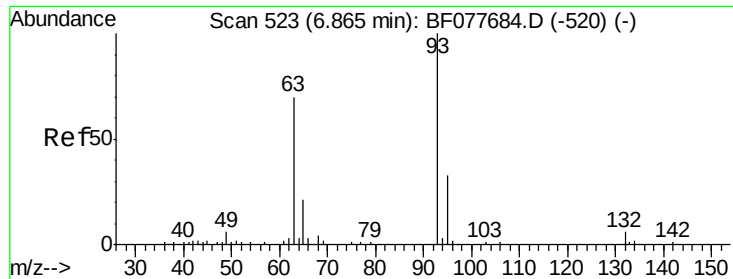
Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 133688 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 27.3  | 18.8  | 58.8   |
| 66       | 36.2  | 39.9  | 79.9#  |







#11

bis(2-Chloroethyl)ether

Concen: 41.63 ng

RT: 6.77 min Scan# 515

Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

Instrument :

BNA\_F

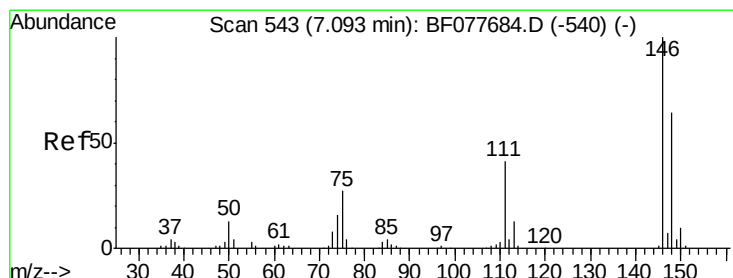
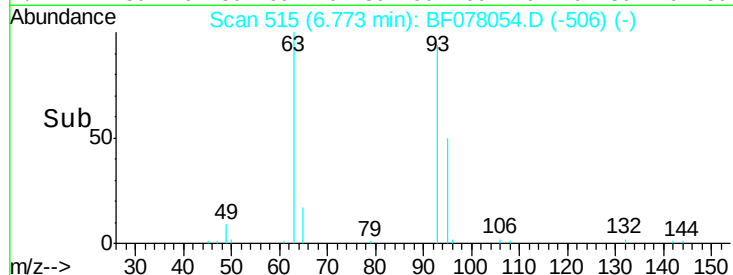
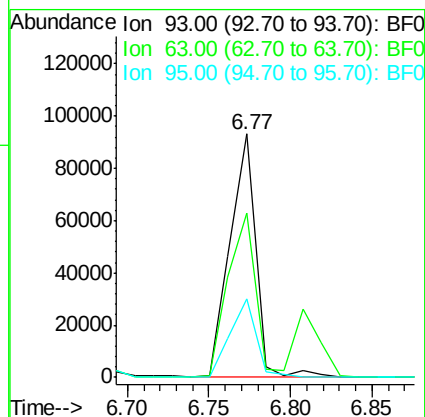
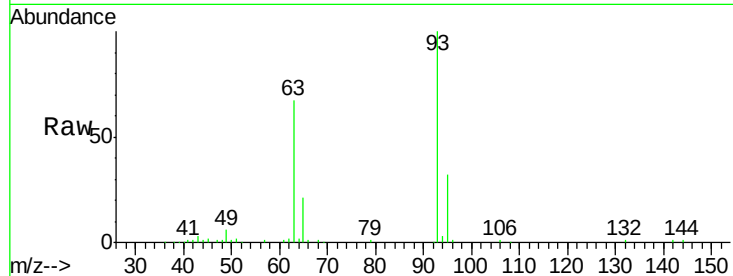
ClientSampleId :

PB82381BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 101942 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 67.4  | 49.5  | 89.5   |
| 95        | 32.5  | 13.5  | 53.5   |

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#12

1,3-Dichlorobenzene

Concen: 38.56 ng

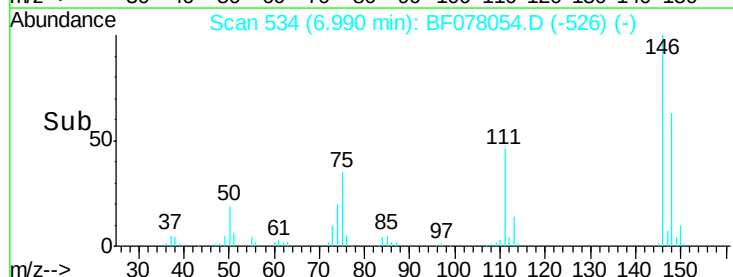
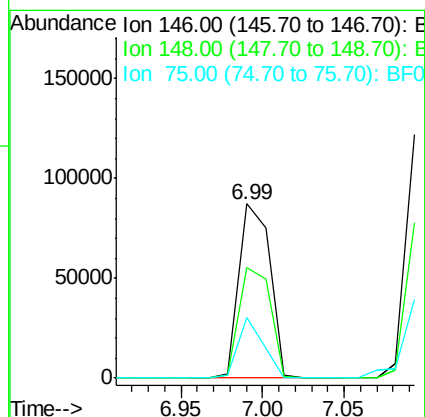
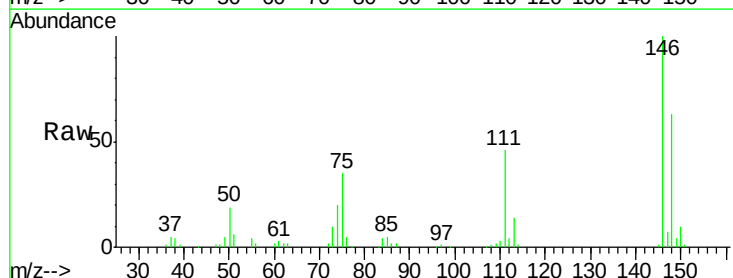
RT: 6.99 min Scan# 534

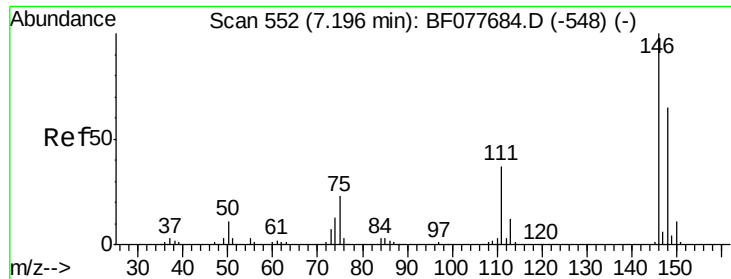
Delta R.T. -0.01 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 114284 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.1  | 50.9  | 76.3   |
| 75        | 34.8  | 21.4  | 32.2   |





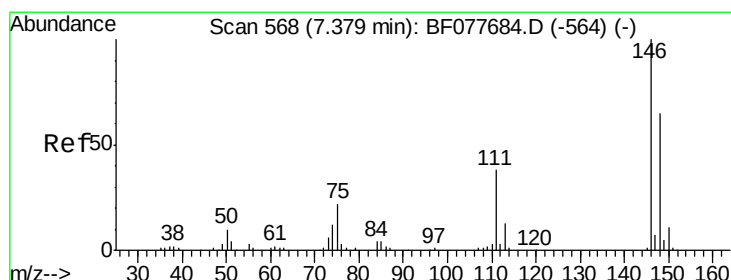
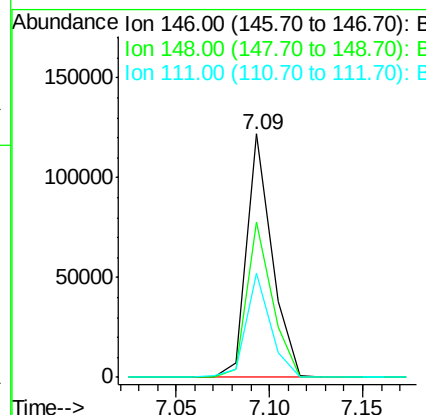
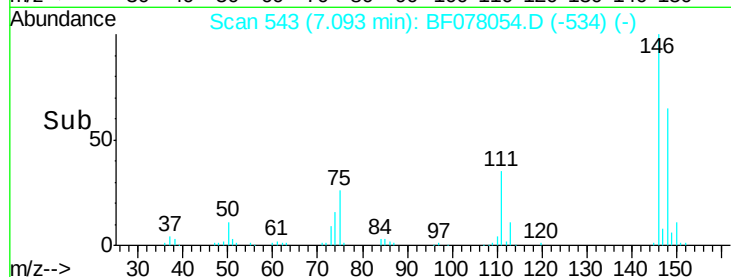
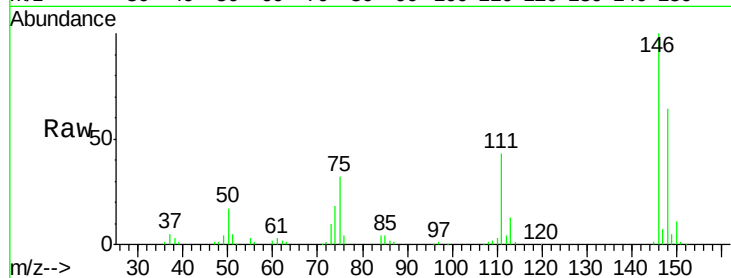
#13  
1,4-Dichlorobenzene  
Concen: 37.45 ng  
RT: 7.09 min Scan# 543  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.6  | 51.9  | 77.9  |
| 111     | 42.7  | 29.2  | 43.8  |

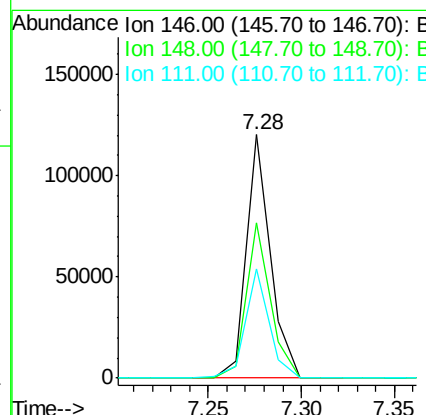
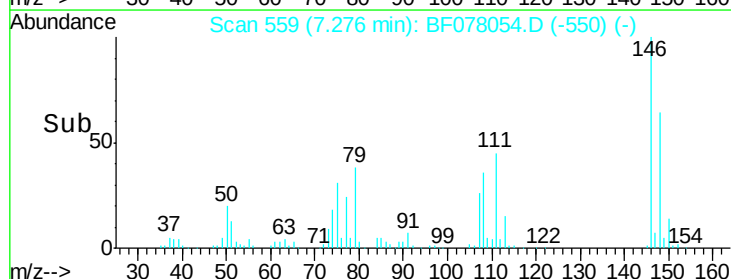
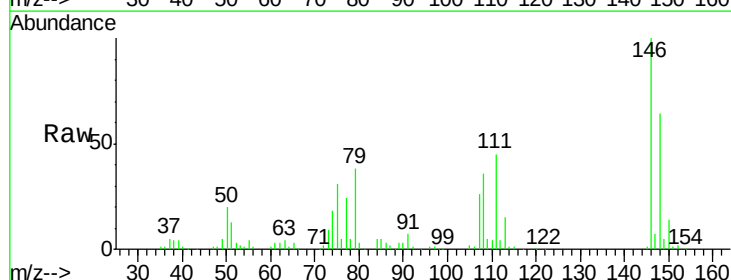
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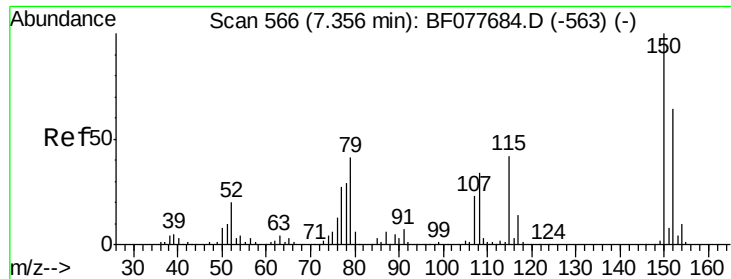
apatel  
3/30/2015 6:31:00 PM



#14  
1,2-Dichlorobenzene  
Concen: 38.31 ng  
RT: 7.28 min Scan# 559  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.7  | 52.3  | 78.5  |
| 111     | 45.1  | 30.6  | 45.8  |





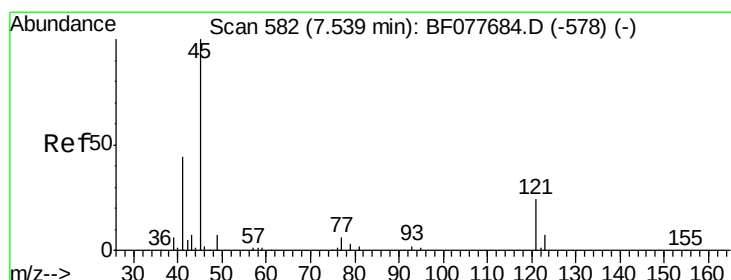
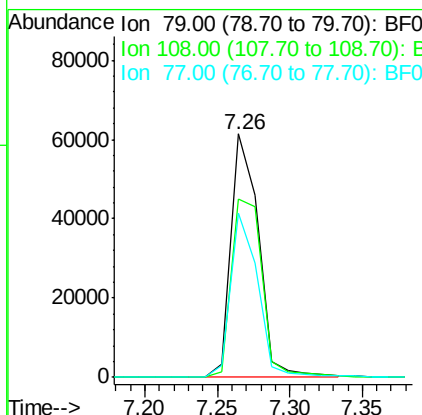
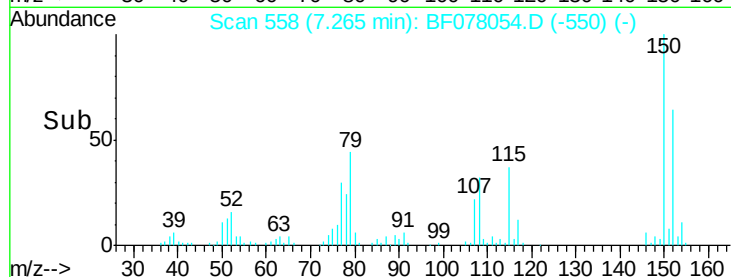
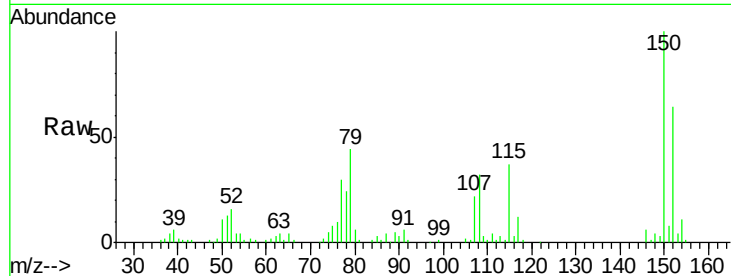
#15  
Benzyl Alcohol  
Concen: 37.81 ng  
RT: 7.26 min Scan# 558  
Delta R.T. -0.01 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 73.3  | 65.0  | 97.4  |
| 77      | 67.3  | 53.0  | 79.6  |

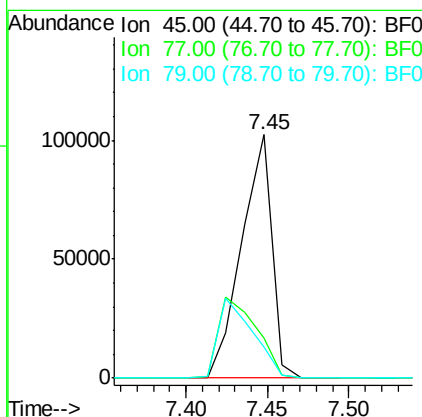
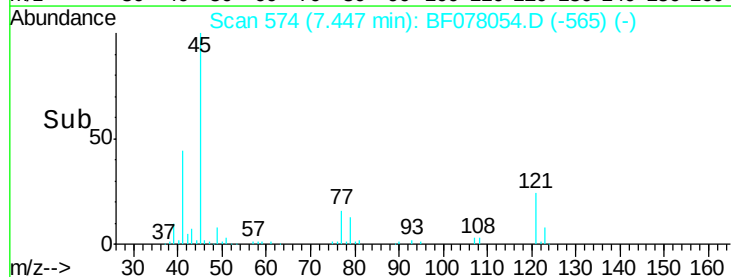
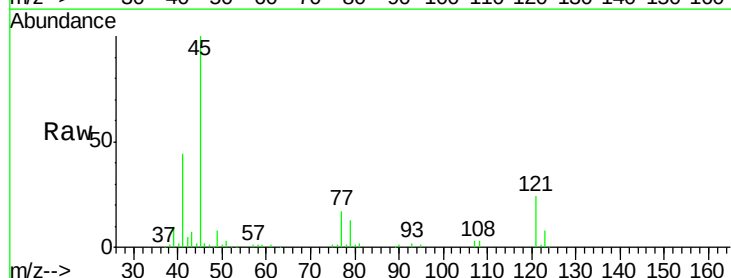
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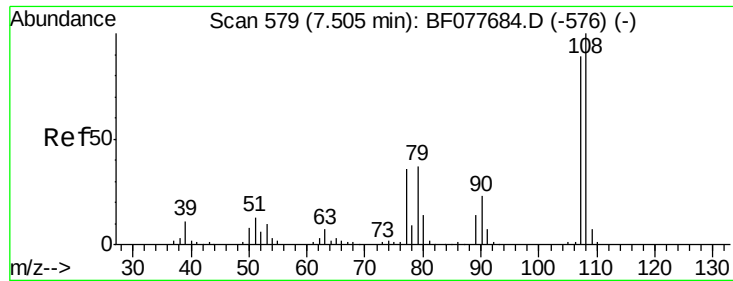
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.94 ng  
RT: 7.45 min Scan# 574  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 16.6  | 0.0   | 35.2  |
| 79      | 13.0  | 0.0   | 32.0  |





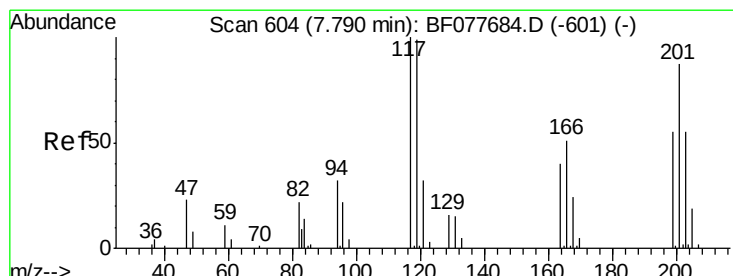
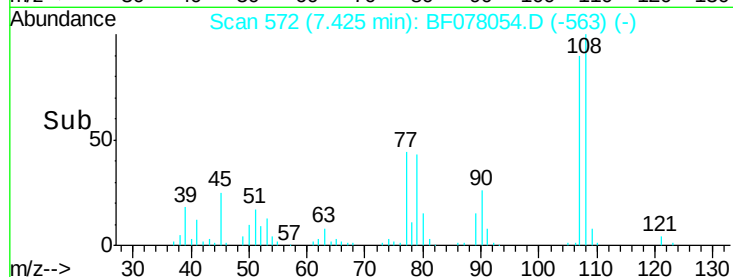
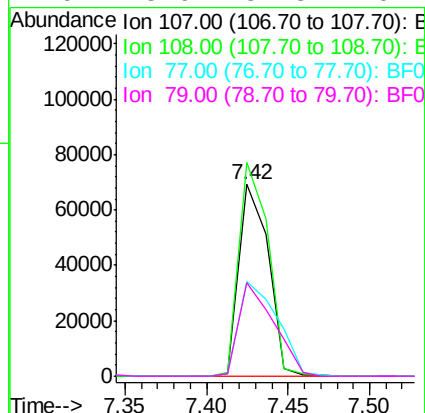
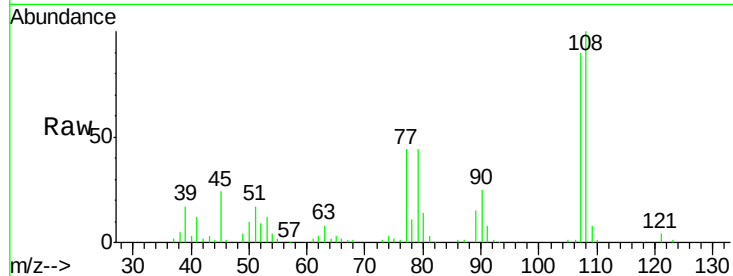
#17  
2-Methylphenol  
Concen: 39.59 ng  
RT: 7.42 min Scan# 572  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 111.4 | 89.8 | 134.8 |       |
| 77      | 49.2  | 32.6 | 48.8  |       |
| 79      | 48.6  | 32.8 | 49.2  |       |

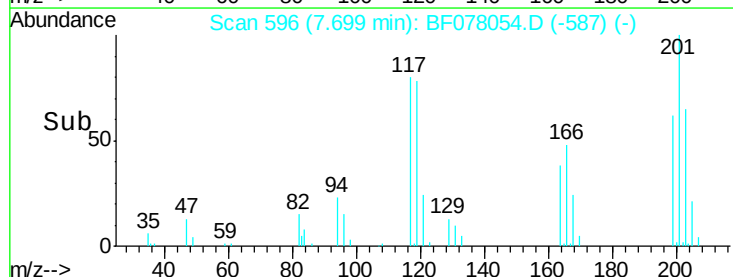
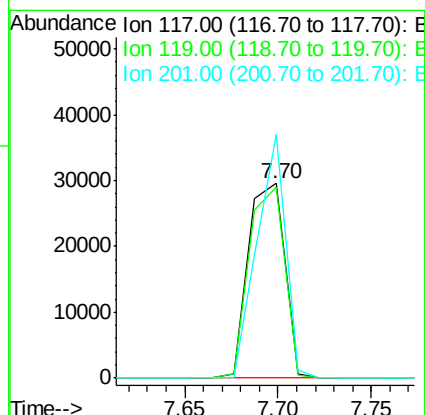
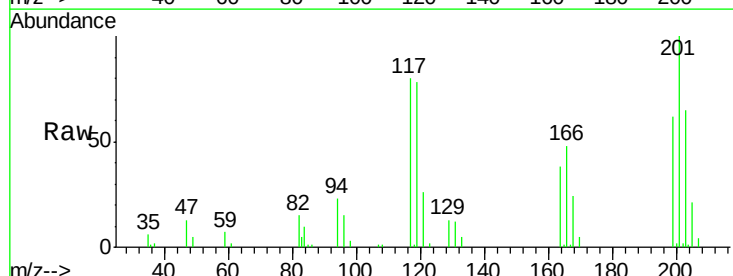
Manual Integrations  
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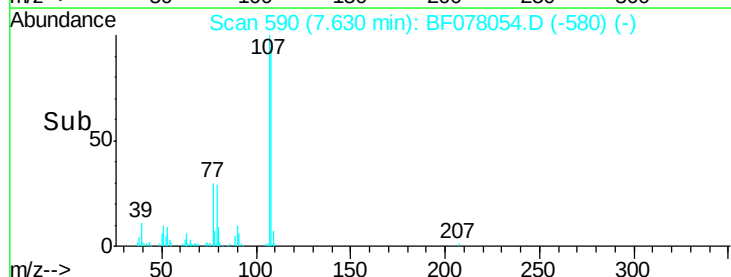
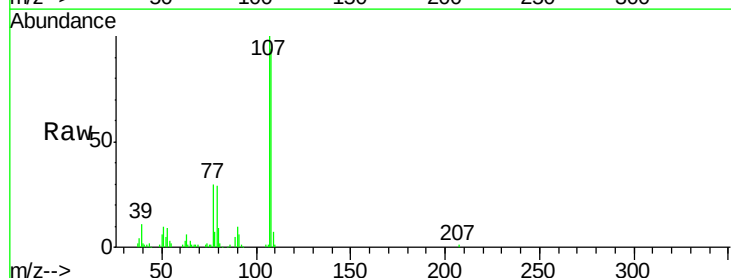
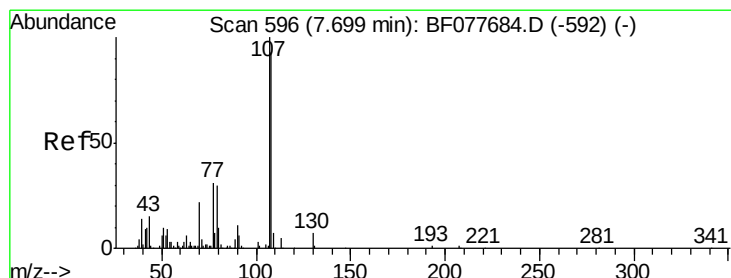
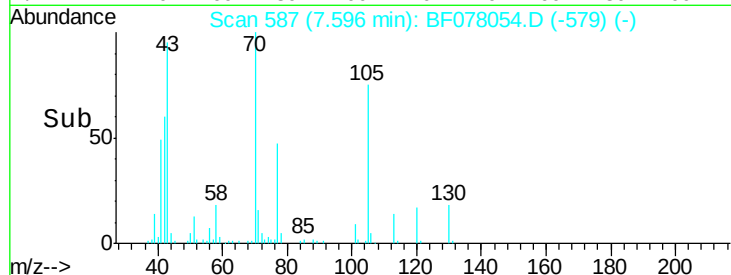
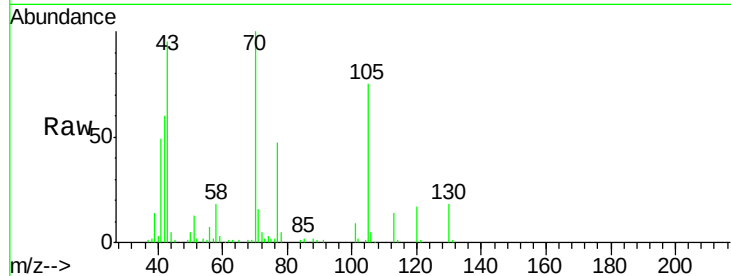
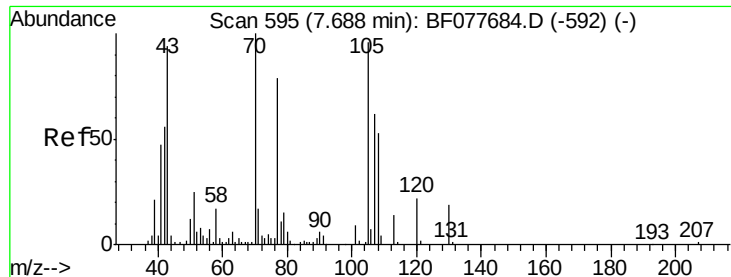
apatel  
3/30/2015 6:31:00 PM



#18  
Hexachloroethane  
Concen: 39.44 ng  
RT: 7.70 min Scan# 596  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

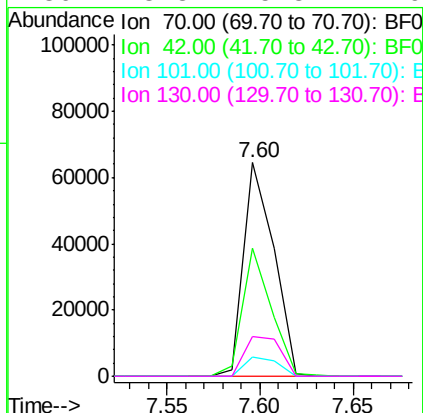
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 98.0  | 79.2 | 118.8 |       |
| 201     | 125.2 | 69.8 | 104.6 |       |





#19  
n-Nitroso-di-n-propylamine  
Concen: 37.83 ng  
RT: 7.60 min Scan# 587  
Delta R.T. -0.01 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 59.7 | 44.5  | 66.7  |       |
| 101     | 8.9  | 7.4   | 11.2  |       |
| 130     | 18.3 | 15.3  | 22.9  |       |



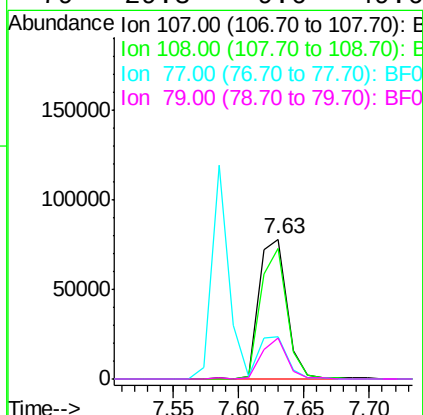
Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

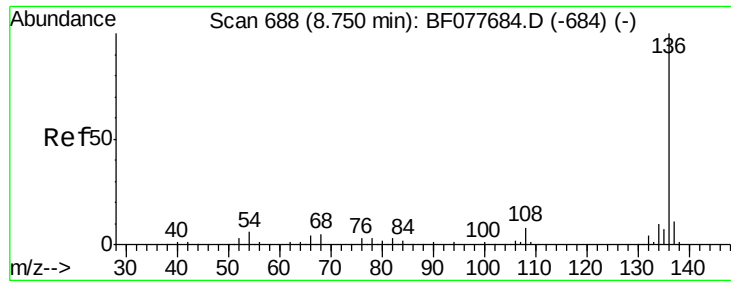
Manual Integrations  
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3/30/2015 6:31:00 PM

#20  
3+4-Methylphenols  
Concen: 41.48 ng  
RT: 7.63 min Scan# 590  
Delta R.T. 0.01 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 93.7 | 73.2  | 113.2 |       |
| 77      | 30.3 | 10.7  | 50.7  |       |
| 79      | 29.3 | 9.6   | 49.6  |       |





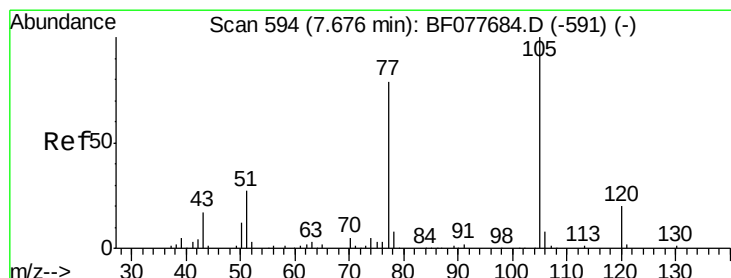
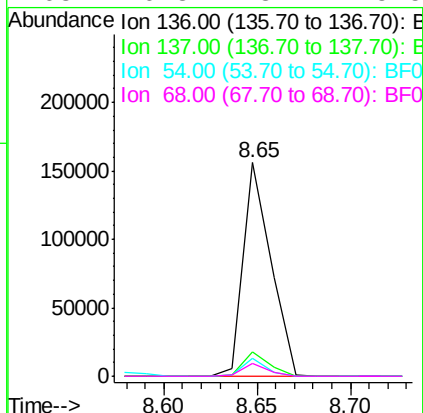
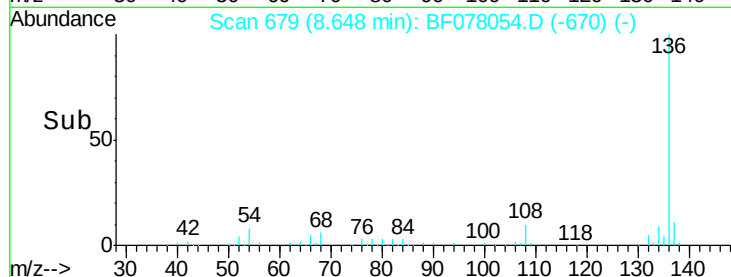
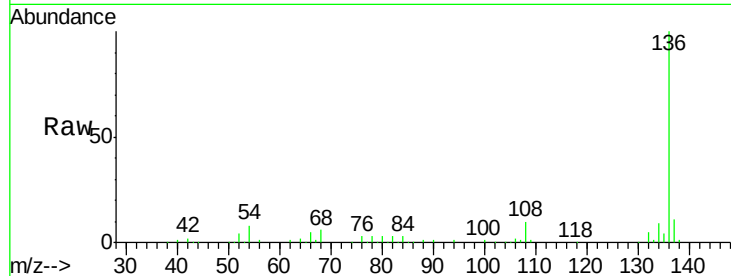
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.65 min Scan# 679  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 136     | 100   |            |       |
| 137     | 11.2  | 8.7        | 13.1  |
| 54      | 8.3   | 4.6        | 6.8#  |
| 68      | 6.3   | 3.7        | 5.5#  |

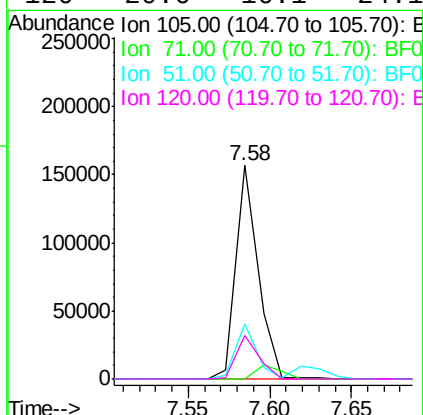
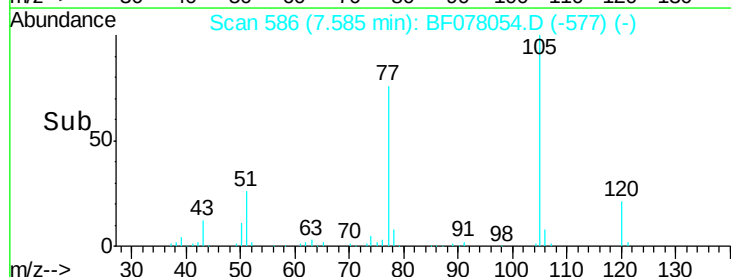
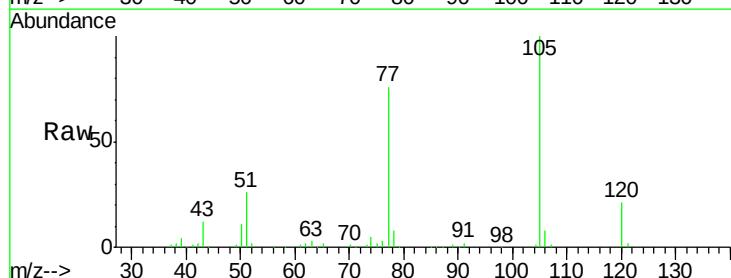
Manual Integrations  
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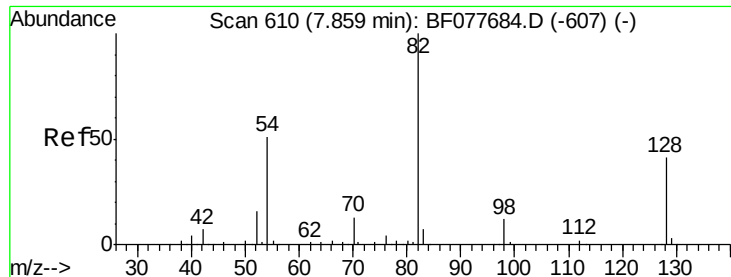
apatel  
3/30/2015 6:31:00 PM



#22  
Acetophenone  
Concen: 41.65 ng  
RT: 7.58 min Scan# 586  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 105     | 100   |            |       |
| 71      | 0.2   | 0.6        | 1.0#  |
| 51      | 25.8  | 21.6       | 32.4  |
| 120     | 20.6  | 16.1       | 24.1  |





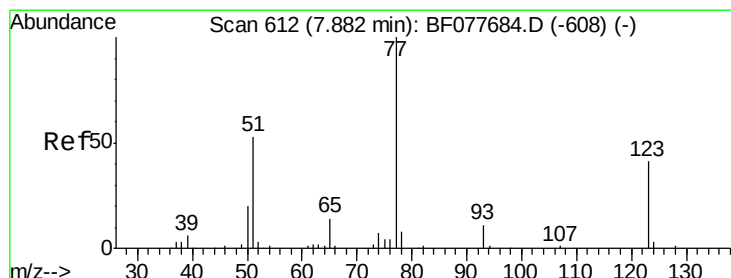
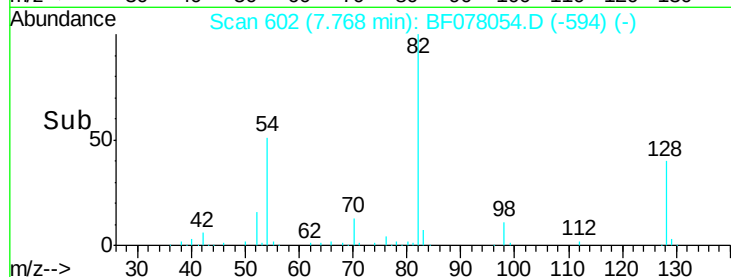
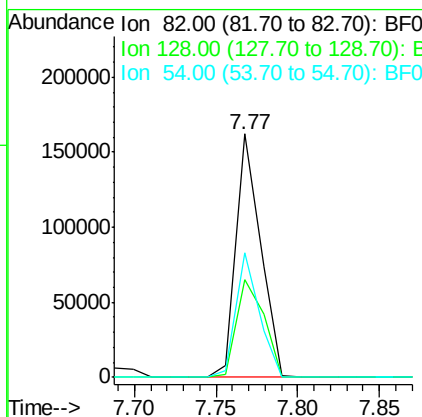
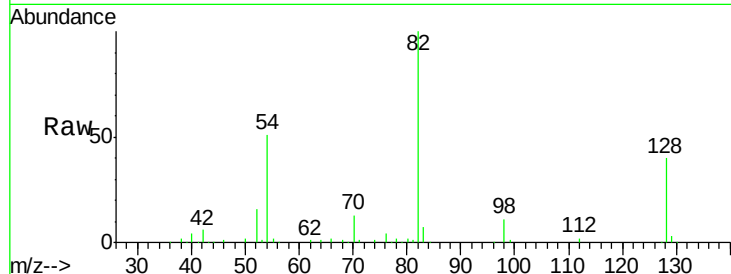
#23  
 Nitrobenzene-d5  
 Concen: 68.85 ng  
 RT: 7.77 min Scan# 602  
 Delta R.T. -0.01 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82381BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 168424 |       |       |
| 128     | 40.2  |        | 32.8  | 49.2  |
| 54      | 50.9  |        | 40.6  | 60.8  |

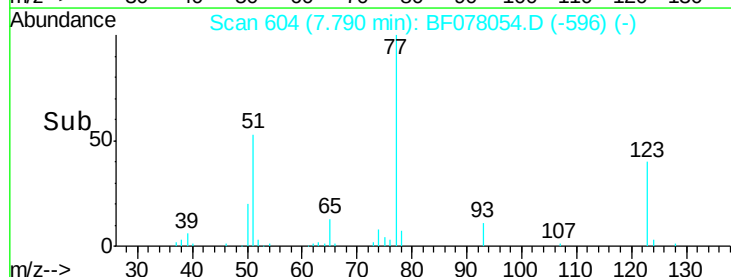
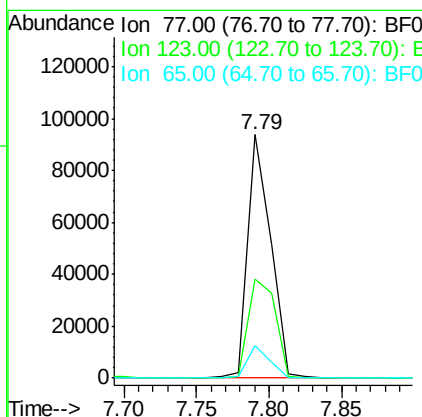
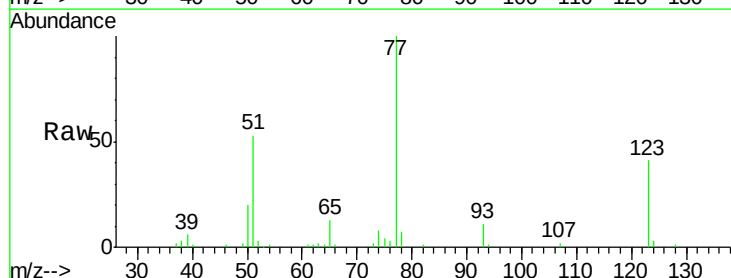
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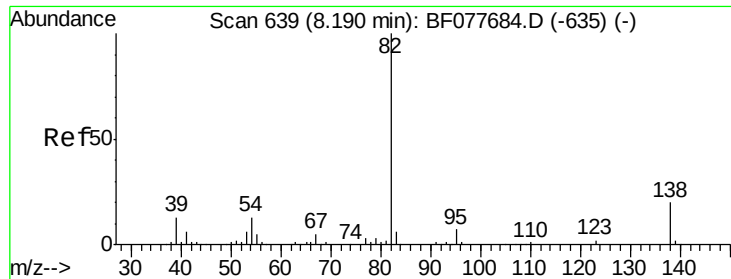


#24  
 Nitrobenzene  
 Concen: 38.99 ng  
 RT: 7.79 min Scan# 604  
 Delta R.T. -0.01 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 102767 |       |       |
| 123     | 40.8  |        | 32.6  | 49.0  |
| 65      | 13.3  |        | 10.9  | 16.3  |







#25

Isophorone

Concen: 40.01 ng

RT: 8.10 min Scan# 631

Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

Instrument :

BNA\_F

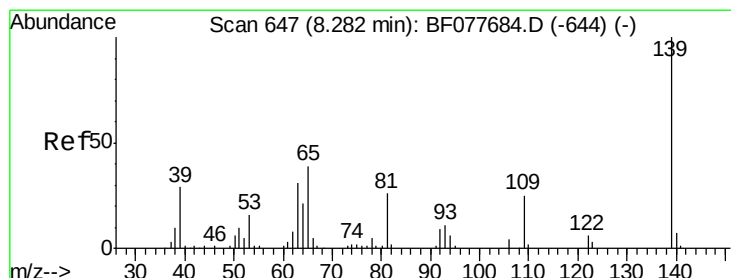
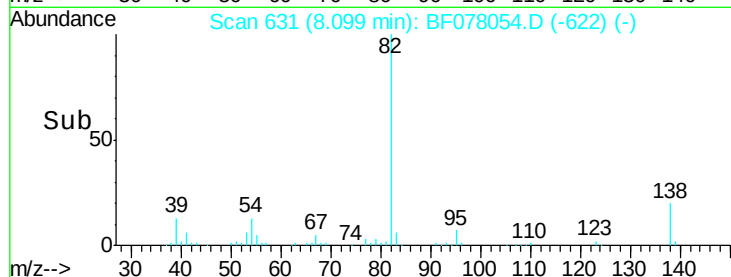
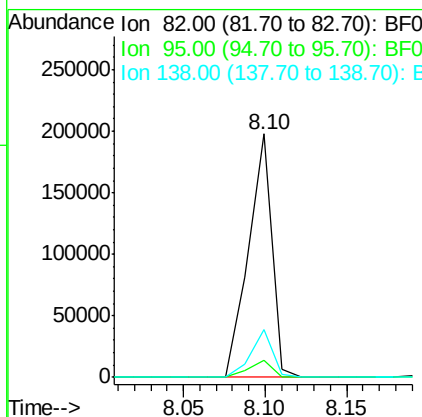
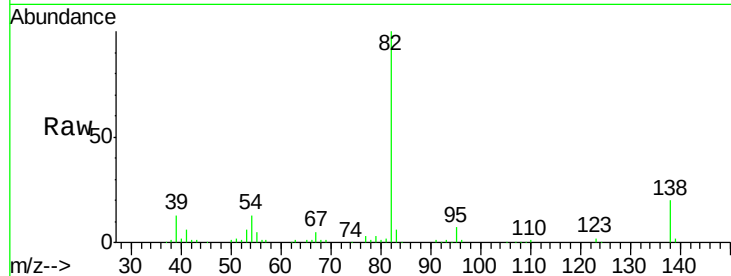
ClientSampleId :

PB82381BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 197693 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.2   | 5.8   | 8.6    |
| 138       | 19.8  | 16.3  | 24.5   |

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#26

2-Nitrophenol

Concen: 42.39 ng

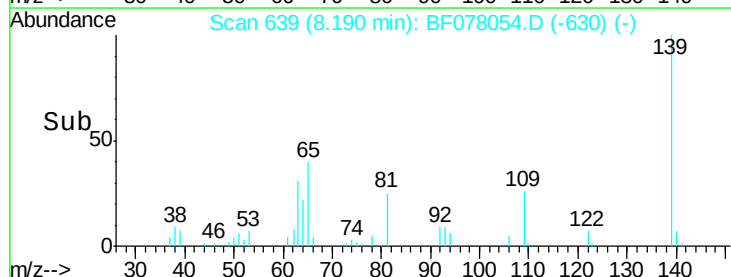
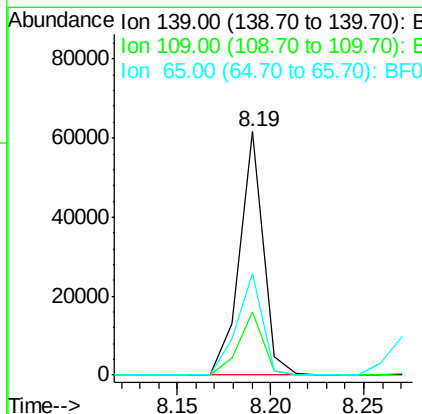
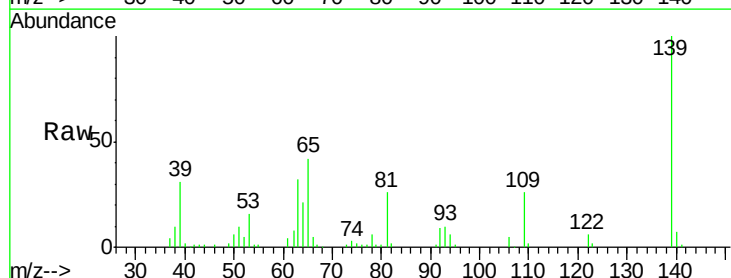
RT: 8.19 min Scan# 639

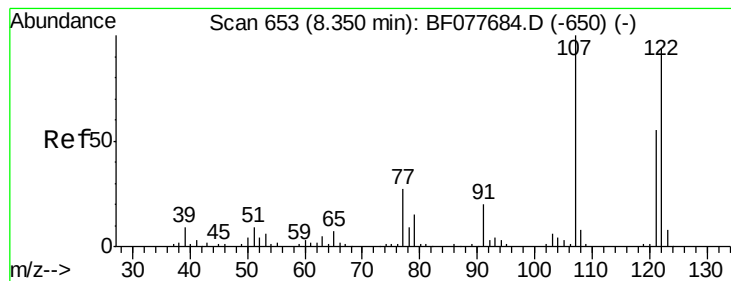
Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 54701 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 26.0  | 20.1  | 30.1  |
| 65        | 41.8  | 31.5  | 47.3  |





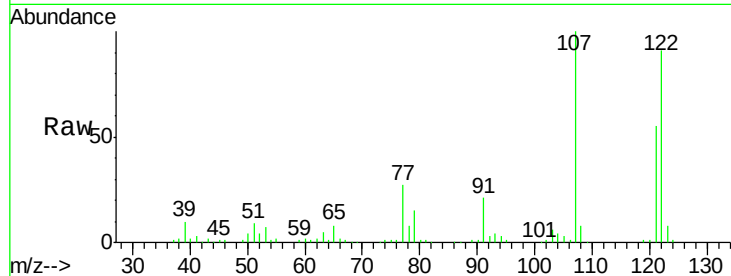
#27  
 2,4-Dimethylphenol  
 Concen: 42.48 ng  
 RT: 8.27 min Scan# 646  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82381BSD

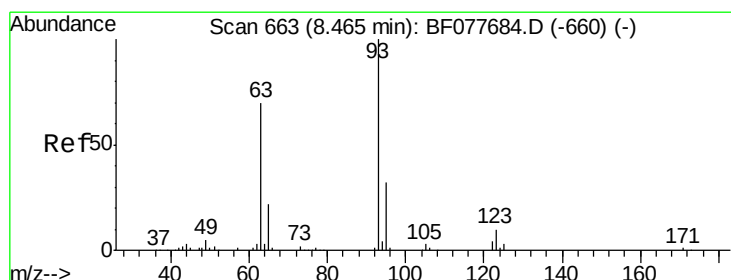
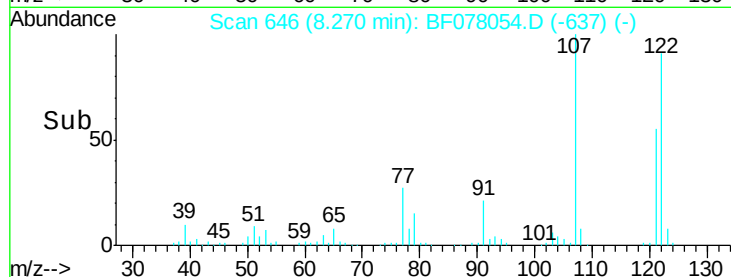
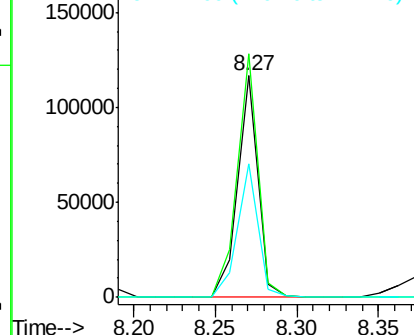
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 99862 |       |       |
| 107     | 109.9 | 84.7  | 127.1 |       |
| 121     | 60.4  | 46.6  | 69.8  |       |

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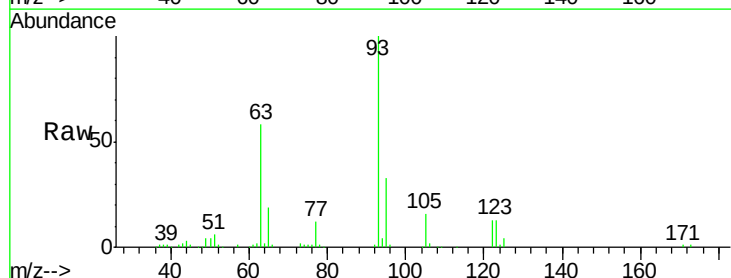


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

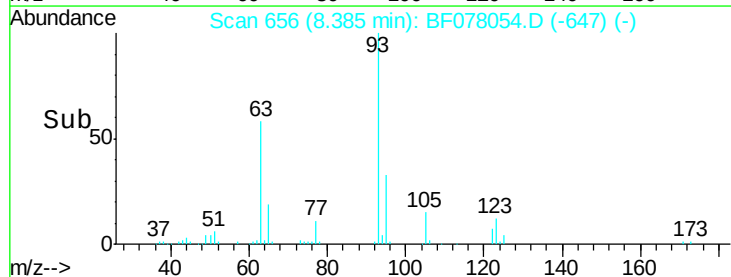
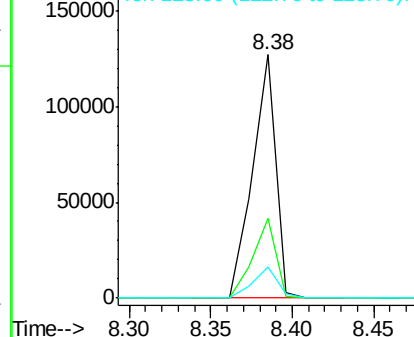


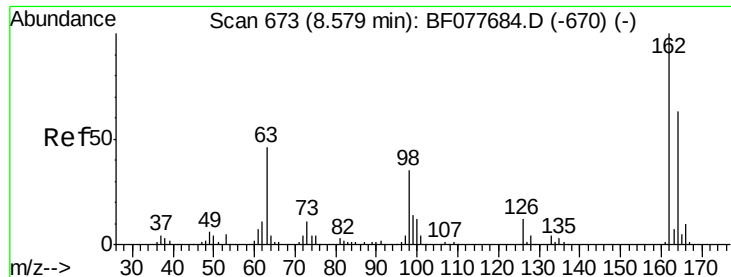
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 41.80 ng  
 RT: 8.38 min Scan# 656  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 125350 |       |       |
| 95      | 32.9  | 25.5   | 38.3  |       |
| 123     | 12.7  | 8.6    | 13.0  |       |



Abundance Ion 93.00 (92.70 to 93.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 123.00 (122.70 to 123.70): E





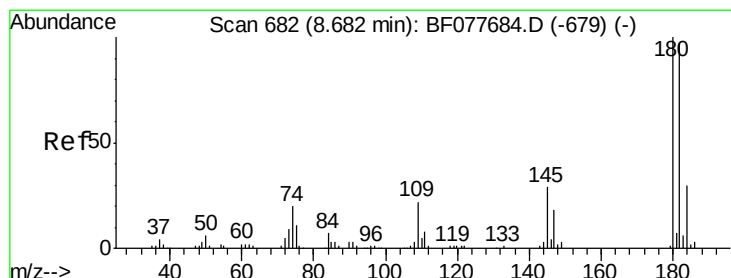
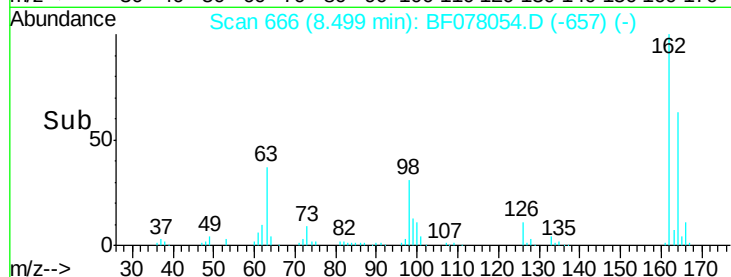
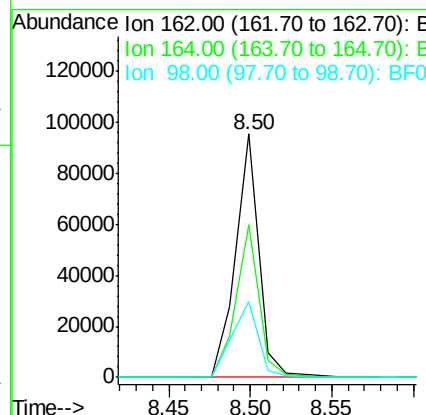
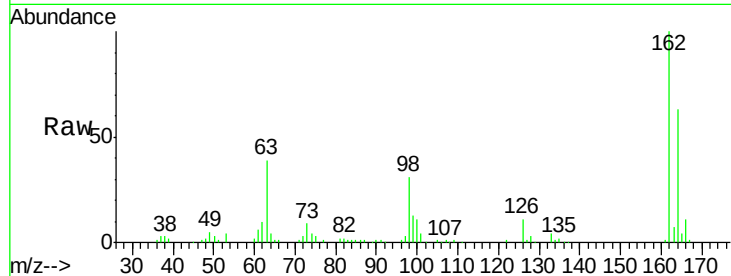
#29  
 2,4-Dichlorophenol  
 Concen: 41.70 ng  
 RT: 8.50 min Scan# 666  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82381BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.8  | 42.8  | 82.8  |
| 98      | 31.3  | 14.5  | 54.5  |

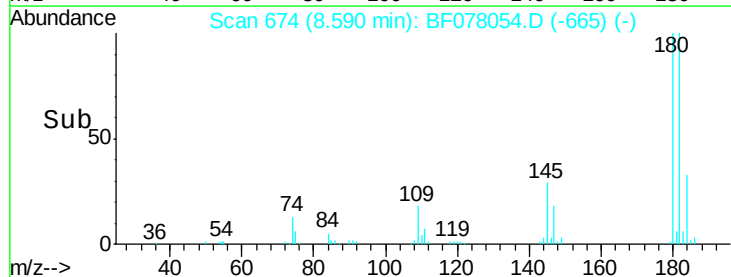
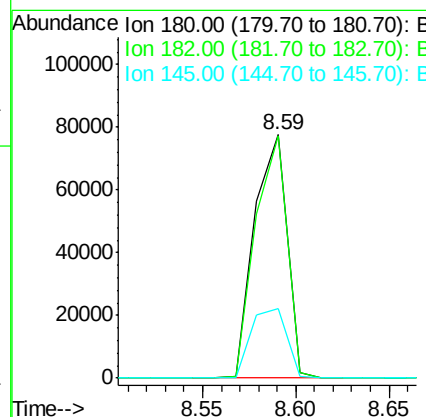
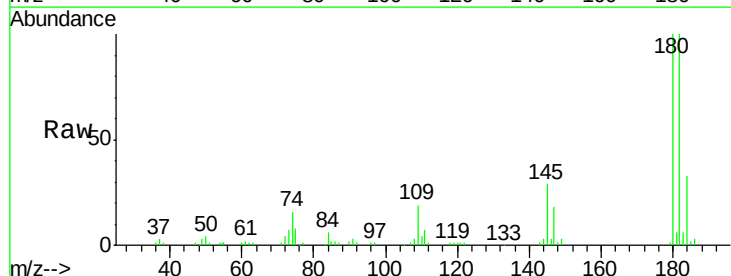
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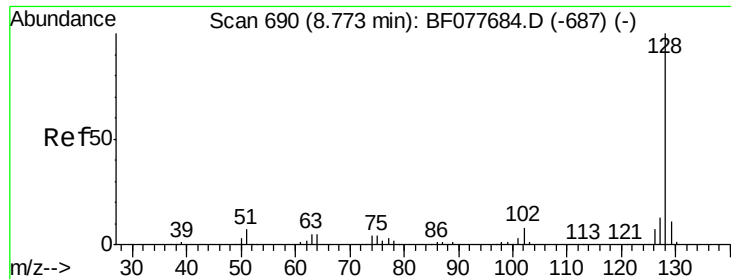
apatel  
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 37.39 ng  
 RT: 8.59 min Scan# 674  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.8  | 77.6  | 116.4 |
| 145     | 28.6  | 23.4  | 35.2  |





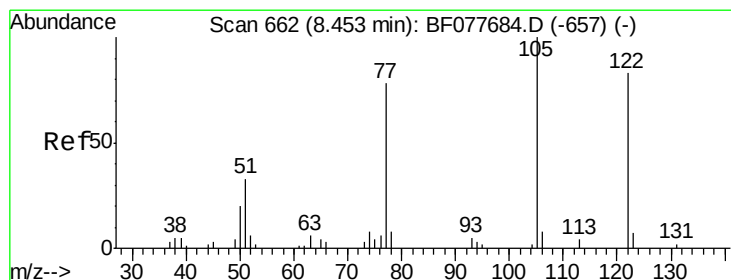
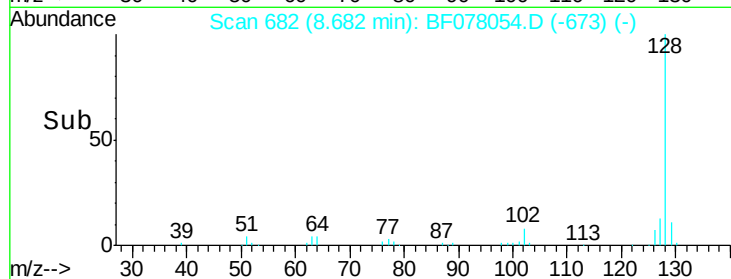
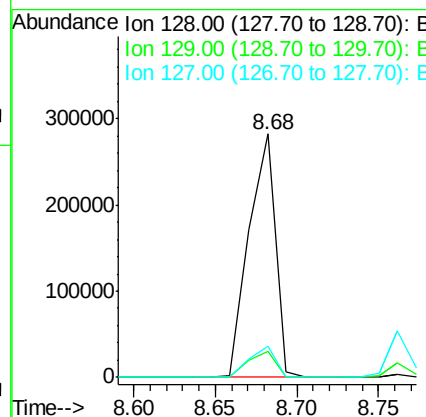
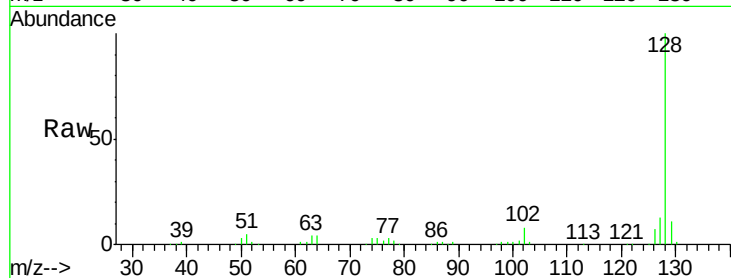
#31  
Naphthalene  
Concen: 38.40 ng  
RT: 8.68 min Scan# 682  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 316309 |       |       |
| 129     | 10.8  |        | 8.9   | 13.3  |
| 127     | 12.8  |        | 10.4  | 15.6  |

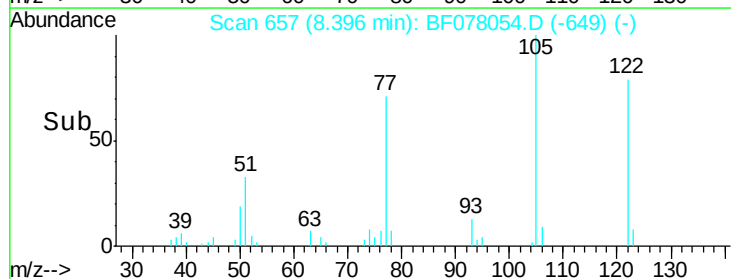
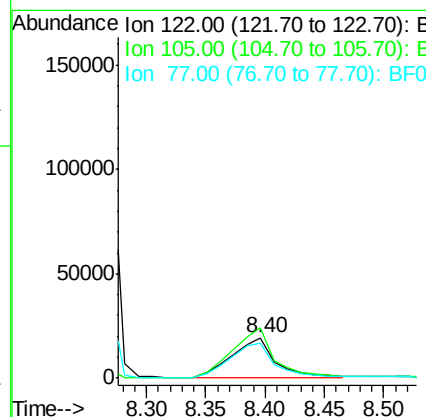
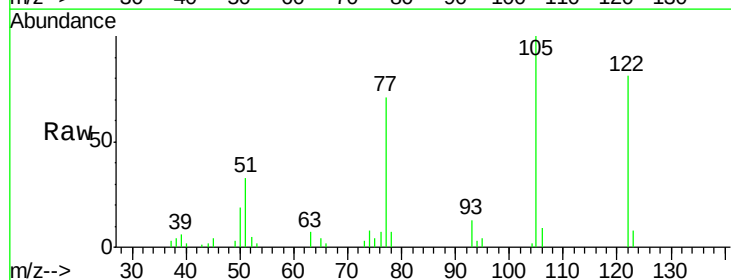
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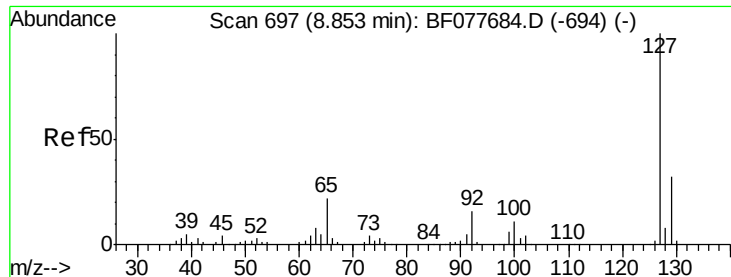
apatel  
3/30/2015 6:31:00 PM



#32  
Benzoic acid  
Concen: 39.40 ng  
RT: 8.40 min Scan# 657  
Delta R.T. -0.01 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 50879 |       |       |
| 105     | 124.0 |       | 99.9  | 139.9 |
| 77      | 87.6  |       | 73.7  | 113.7 |





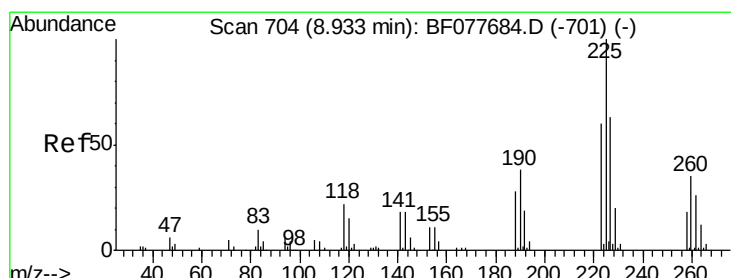
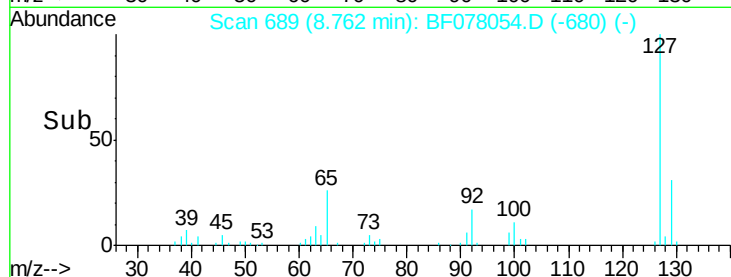
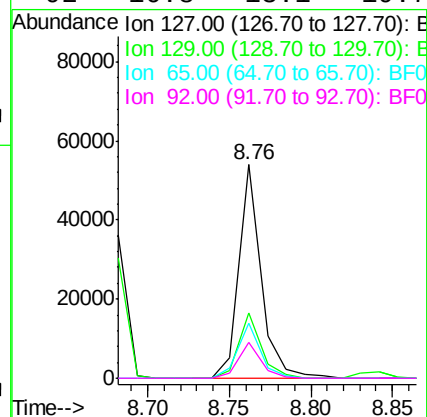
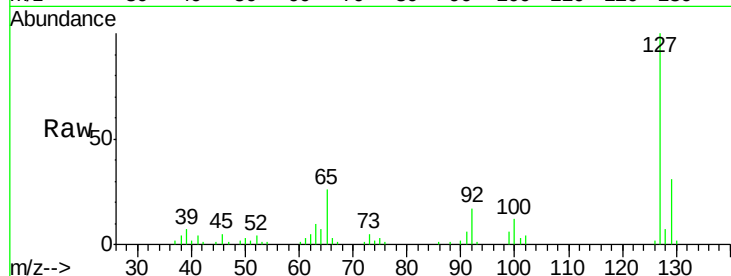
#33  
4-Chloroaniline  
Concen: 15.10 ng  
RT: 8.76 min Scan# 689  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 127   | Resp: | 50464 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 30.6  | 25.3  | 37.9  |
| 65        | 25.7  | 17.6  | 26.4  |
| 92        | 16.8  | 13.1  | 19.7  |

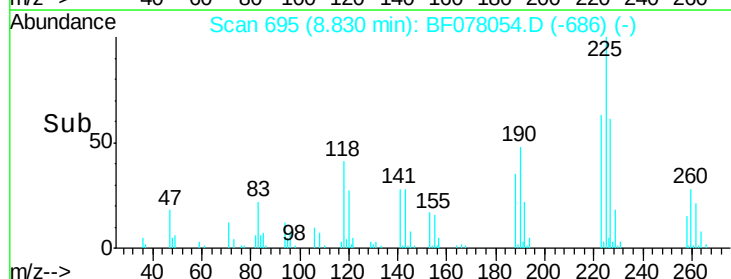
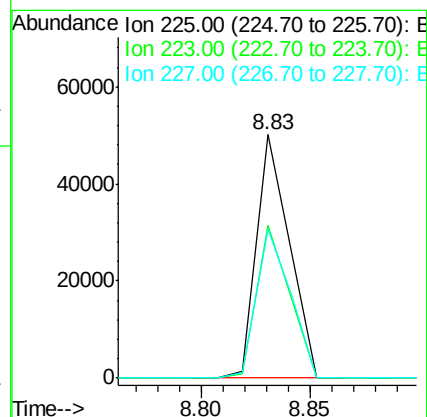
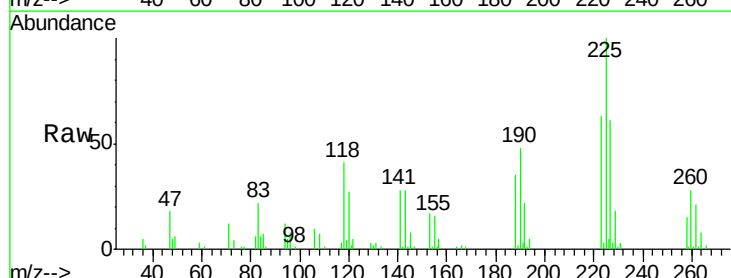
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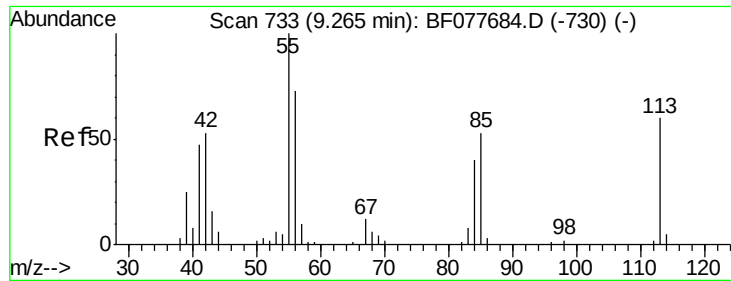
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#34  
Hexachlorobutadiene  
Concen: 37.03 ng  
RT: 8.83 min Scan# 695  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 52624 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.9  | 47.9  | 71.9  |
| 227       | 61.2  | 50.1  | 75.1  |





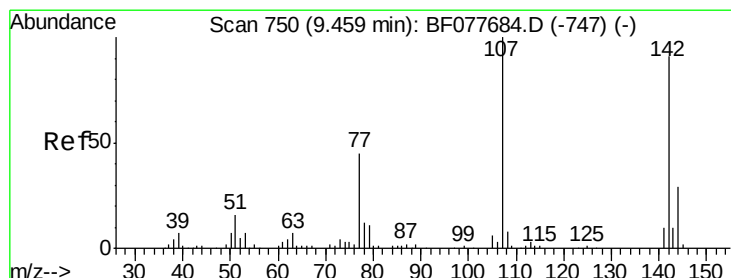
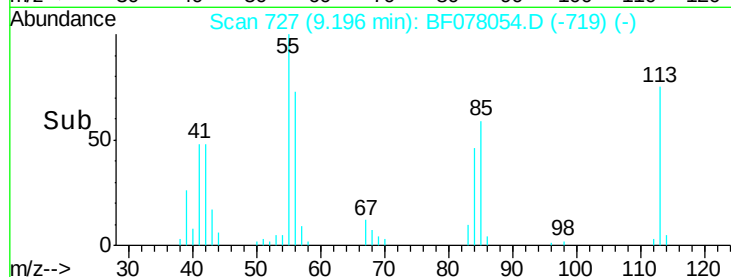
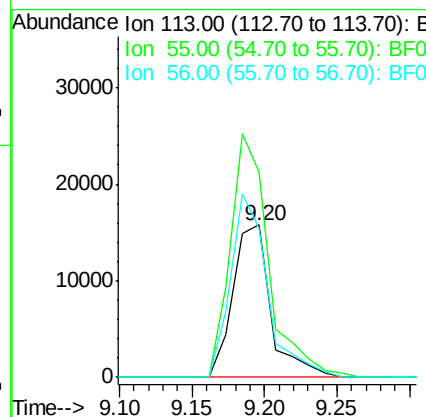
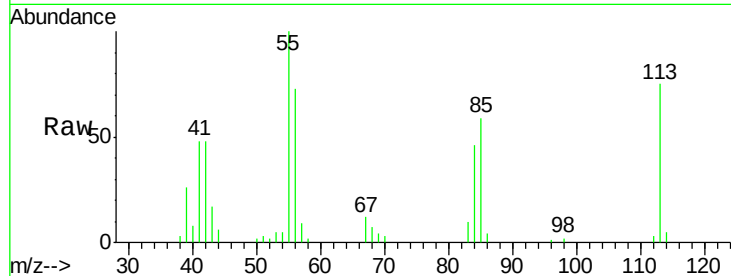
#35  
Caprolactam  
Concen: 43.88 ng  
RT: 9.20 min Scan# 727  
Delta R.T. -0.01 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

Tot Ion:113 Resp: 28733  
Ion Ratio Lower Upper  
113 100  
55 134.1 145.9 185.9#  
56 97.7 101.0 141.0#

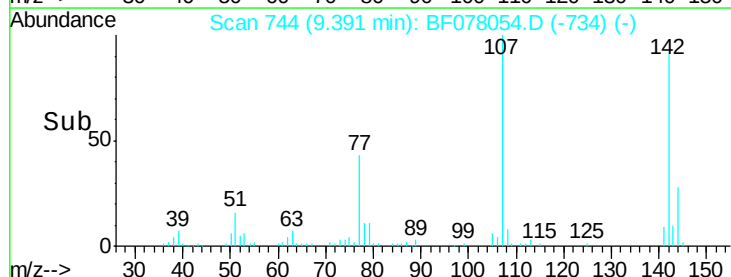
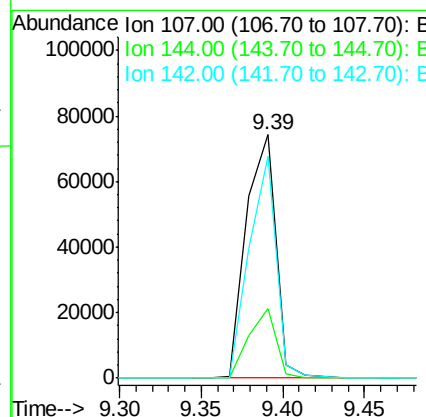
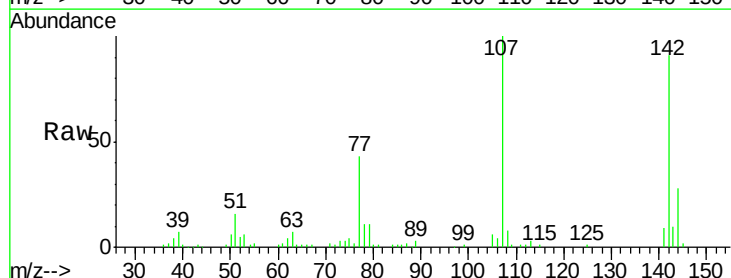
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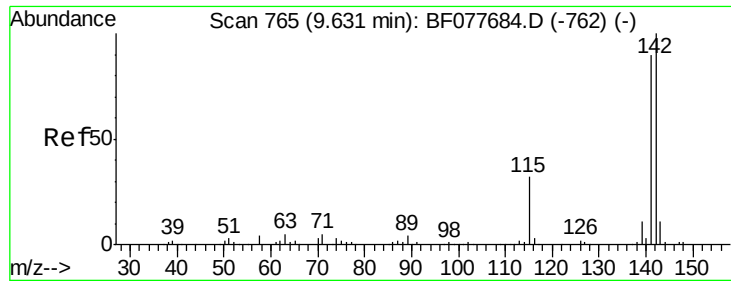
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3/30/2015 6:31:00 PM



#36  
4-Chloro-3-methylphenol  
Concen: 41.27 ng  
RT: 9.39 min Scan# 744  
Delta R.T. 0.01 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Tgt Ion:107 Resp: 93034  
Ion Ratio Lower Upper  
107 100  
144 28.5 23.3 34.9  
142 91.2 72.6 109.0





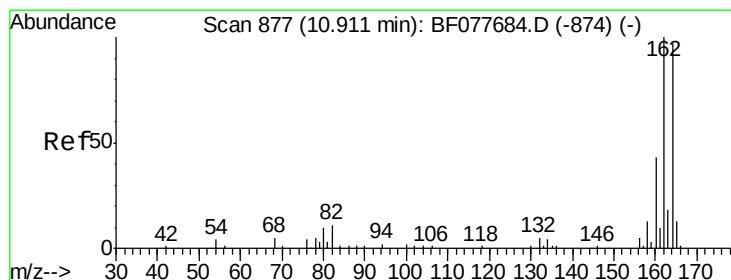
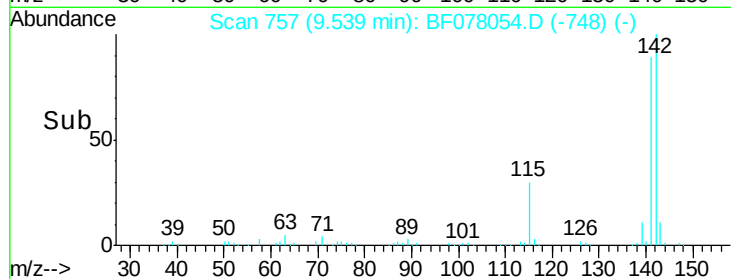
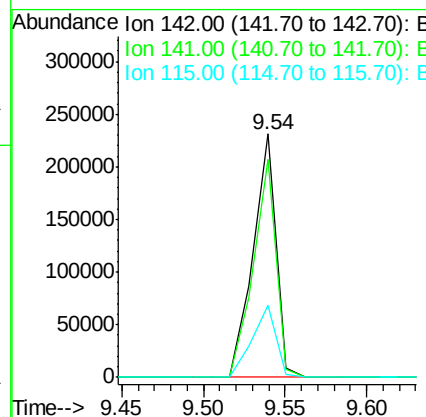
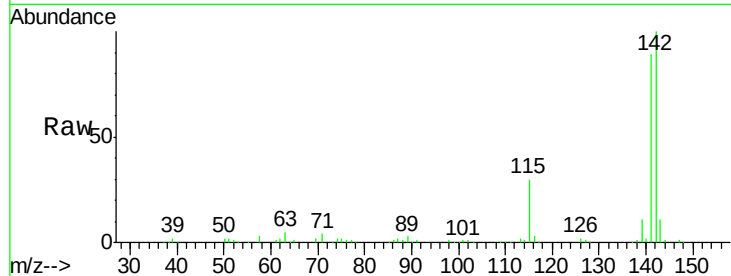
#37  
 2-Methylnaphthalene  
 Concen: 40.62 ng  
 RT: 9.54 min Scan# 757  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82381BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.4  | 71.9  | 107.9 |
| 115     | 29.8  | 25.4  | 38.0  |

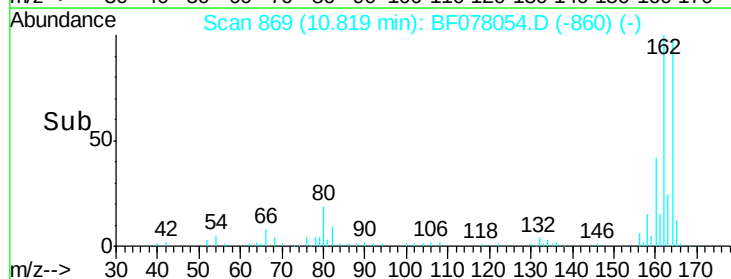
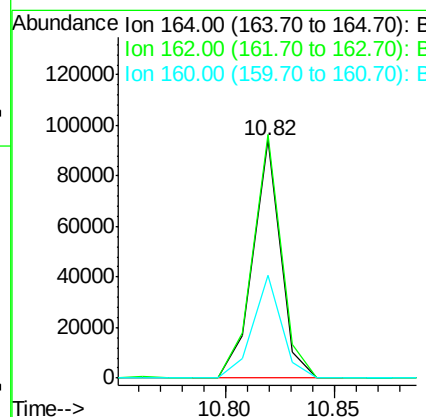
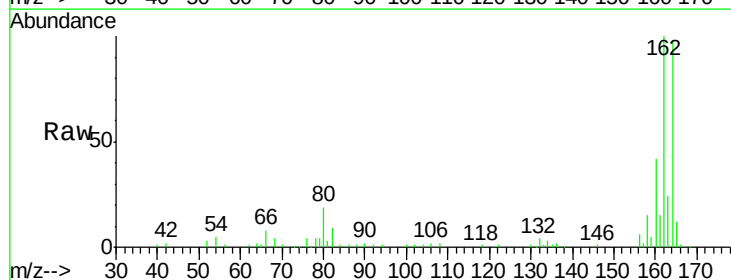
Manual Integrations  
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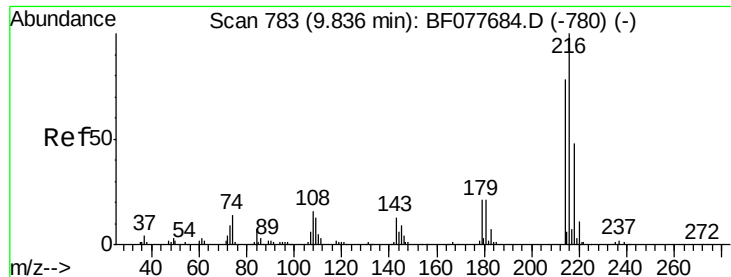
apatel  
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#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.82 min Scan# 869  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.2 | 82.4  | 123.6 |
| 160     | 43.2  | 35.8  | 53.6  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.65 ng

RT: 9.74 min Scan# 775

Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

Instrument :

BNA\_F

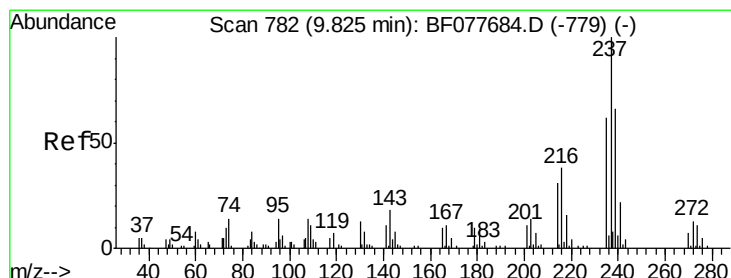
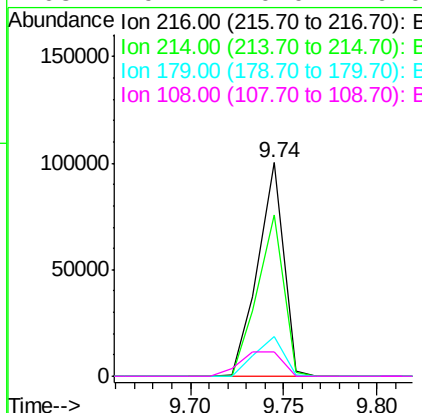
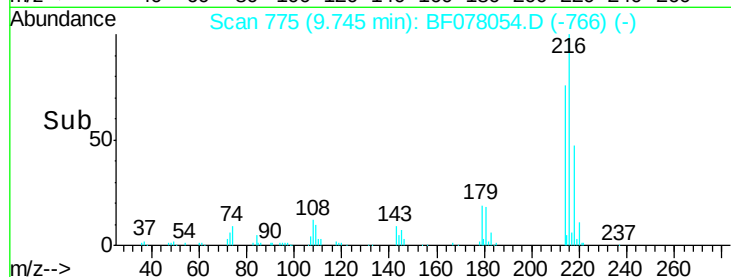
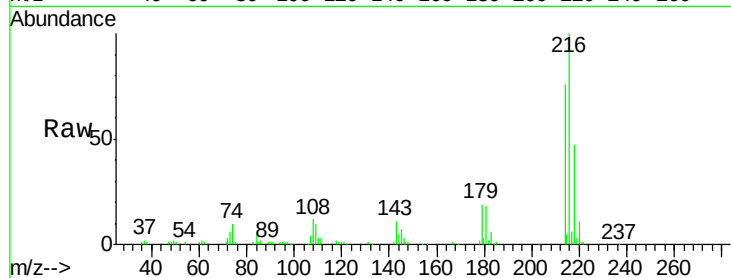
ClientSampleId :

PB82381BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 77.2  | 0.0   | 0.0#  |
| 179     | 20.5  | 0.0   | 0.0#  |
| 108     | 19.2  | 0.0   | 0.0#  |

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#40

Hexachlorocyclopentadiene

Concen: 75.10 ng

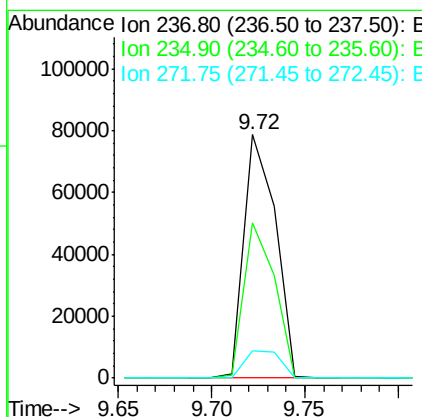
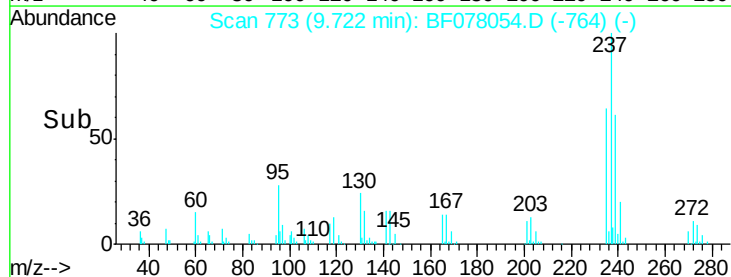
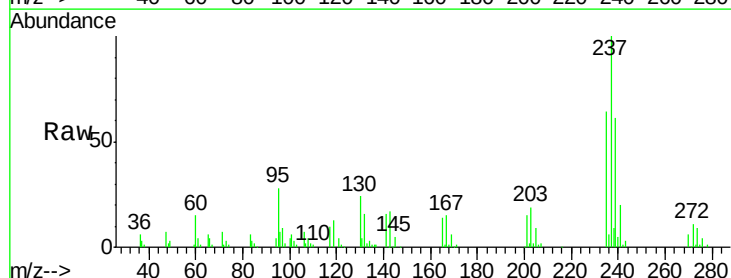
RT: 9.72 min Scan# 773

Delta R.T. -0.00 min

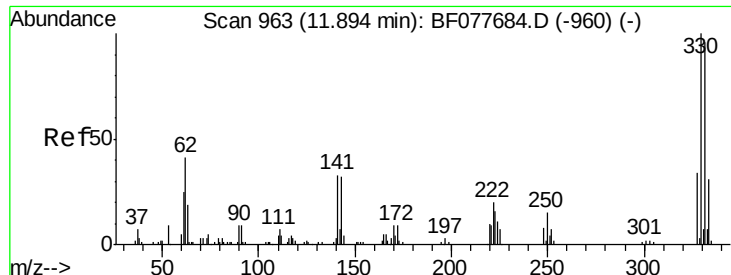
Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 63.9  | 42.0  | 82.0  |
| 272     | 11.1  | 0.0   | 33.4  |







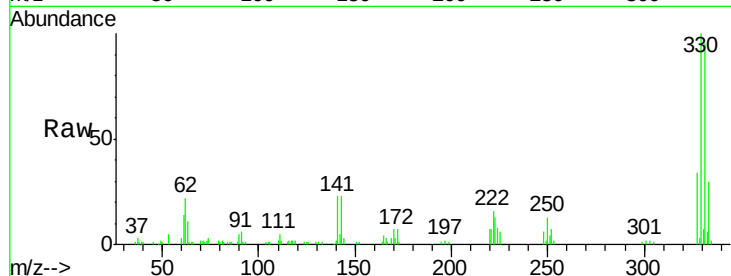
#41  
 2,4,6-Tribromophenol  
 Concen: 72.26 ng  
 RT: 11.80 min Scan# 955  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82381BSD

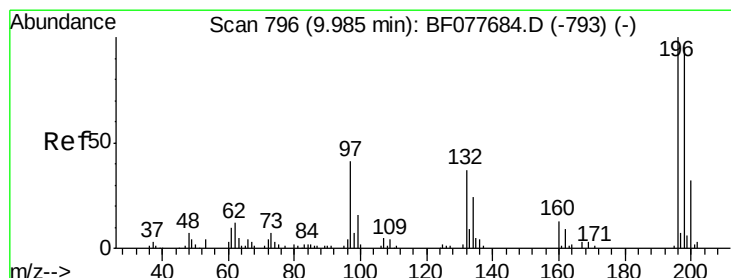
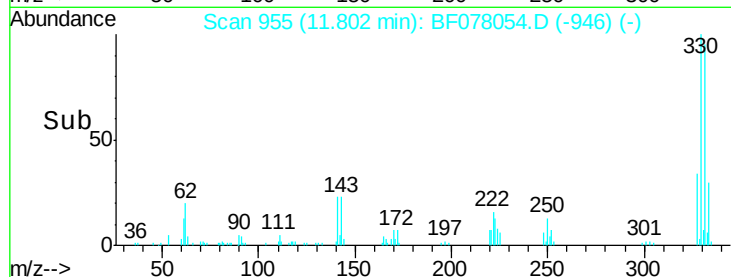
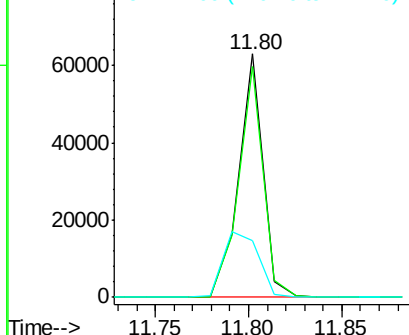
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 95.8  | 0.0        | 0.0#  |
| 141     | 38.5  | 0.0        | 0.0#  |

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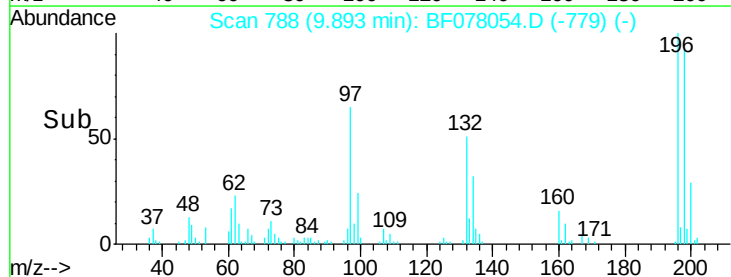
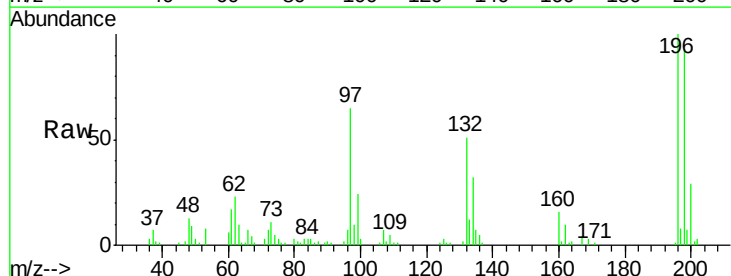
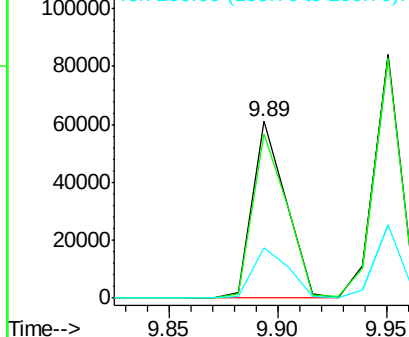
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

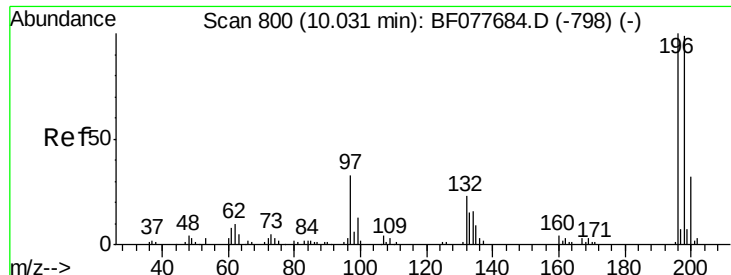


#42  
 2,4,6-Trichlorophenol  
 Concen: 37.92 ng  
 RT: 9.89 min Scan# 788  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 196     | 100   |            |       |
| 198     | 92.9  | 76.3       | 114.5 |
| 200     | 28.9  | 25.6       | 38.4  |

Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E





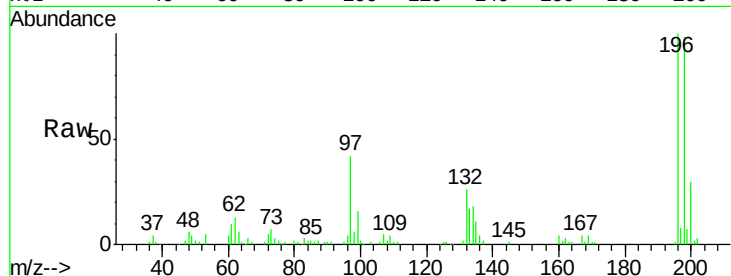
#43  
 2,4,5-Trichlorophenol  
 Concen: 39.13 ng  
 RT: 9.95 min Scan# 793  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82381BSD

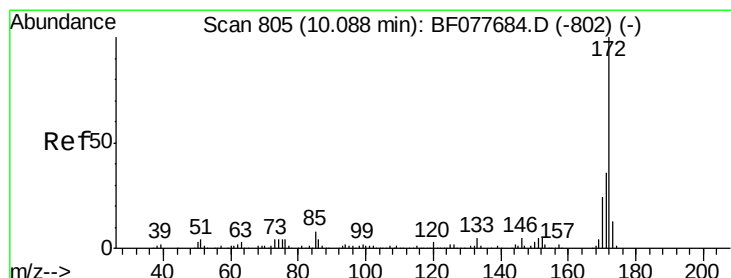
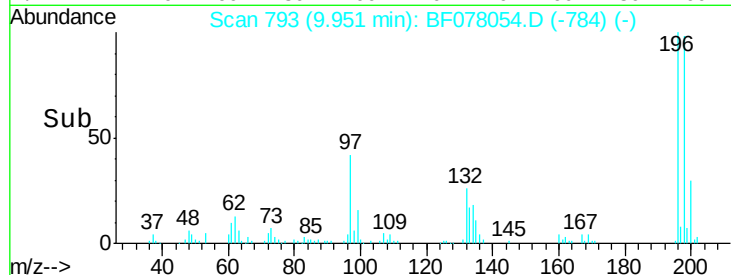
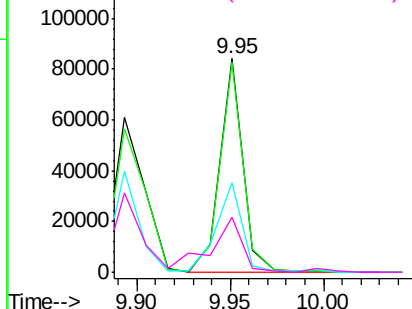
| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 196     | 100  |       | 72931 |       |       |
| 198     | 98.3 |       | 79.4  | 119.0 |       |
| 97      | 41.8 |       | 26.8  | 40.2# |       |
| 132     | 26.0 |       | 18.6  | 28.0  |       |

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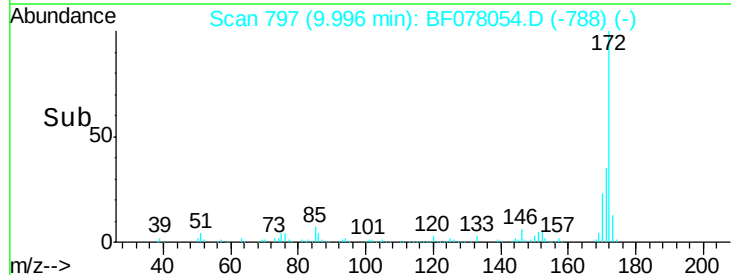
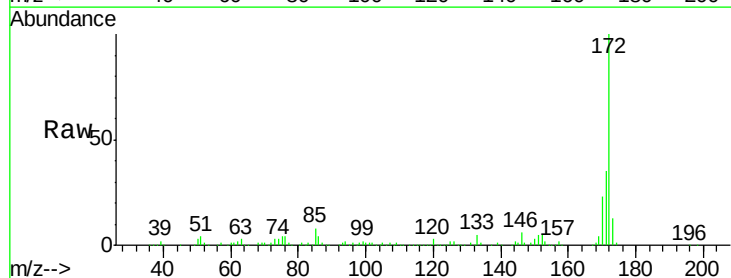
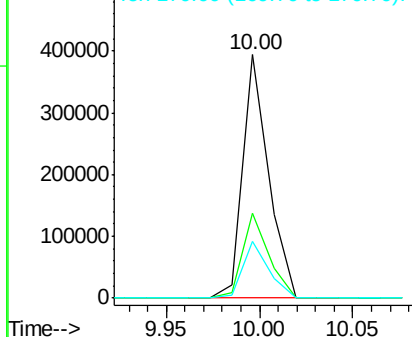
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

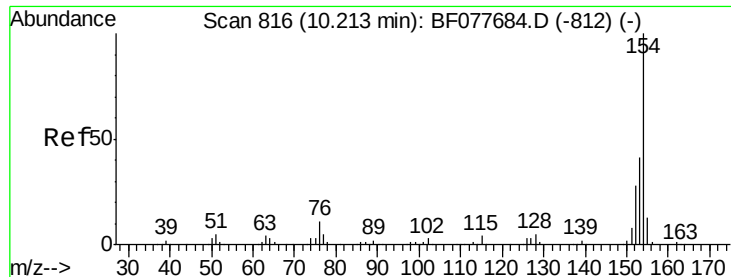


#44  
 2-Fluorobiphenyl  
 Concen: 66.74 ng  
 RT: 10.00 min Scan# 797  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 172     | 100  |       | 379269 |       |       |
| 171     | 35.0 |       | 28.5   | 42.7  |       |
| 170     | 23.1 |       | 18.8   | 28.2  |       |

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





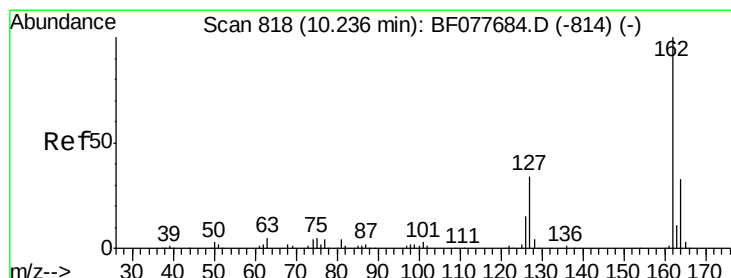
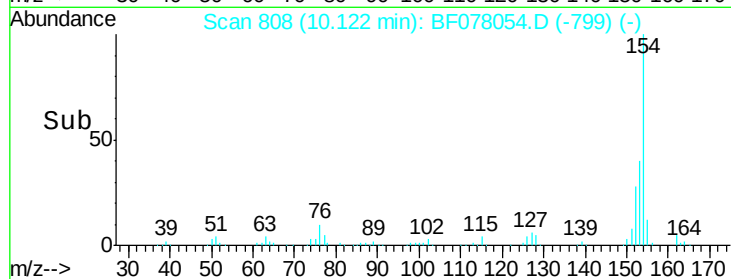
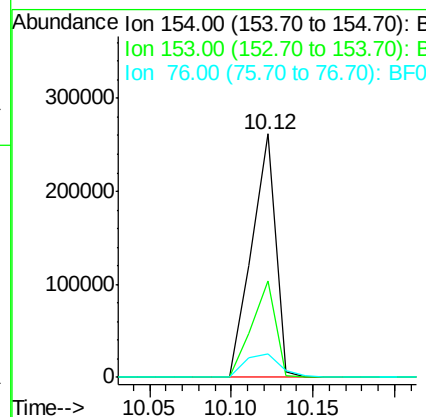
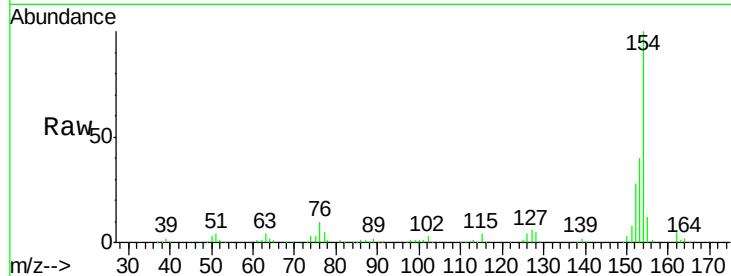
#45  
1,1'-Biphenyl  
Concen: 39.92 ng  
RT: 10.12 min Scan# 808  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.7  | 20.7  | 60.7  |
| 76      | 9.5   | 0.0   | 30.9  |

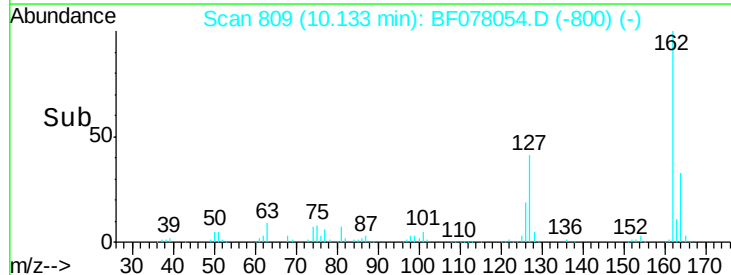
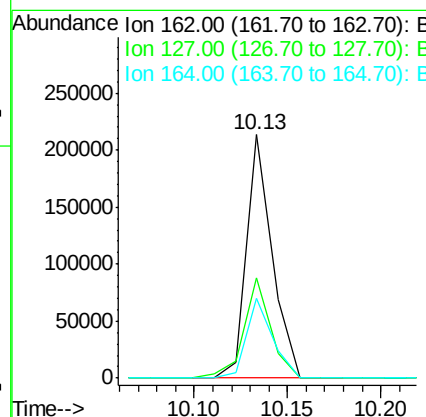
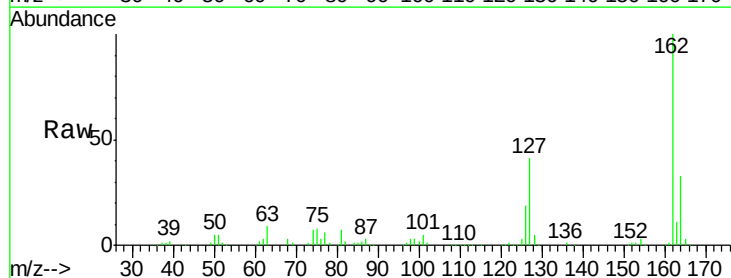
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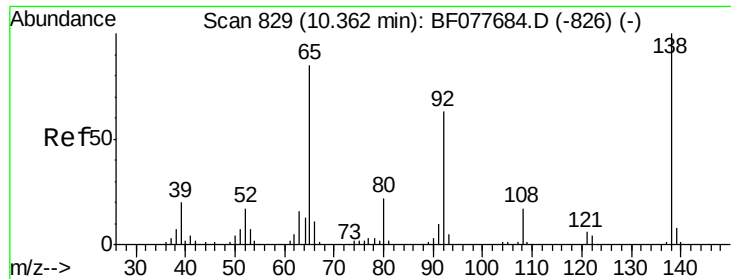
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#46  
2-Chloronaphthalene  
Concen: 37.59 ng  
RT: 10.13 min Scan# 809  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.2  | 26.9  | 40.3# |
| 164     | 32.7  | 26.8  | 40.2  |





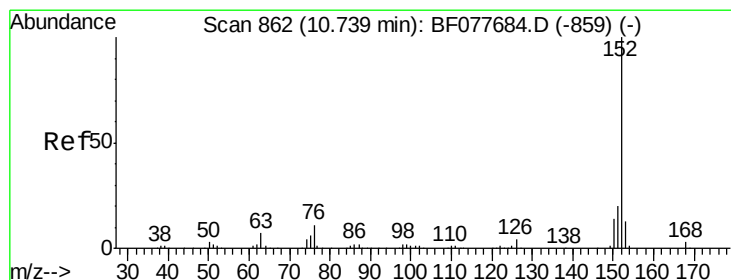
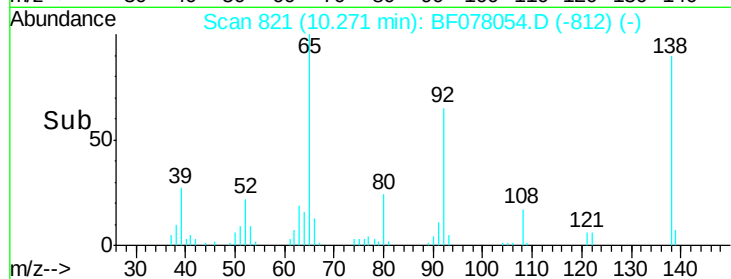
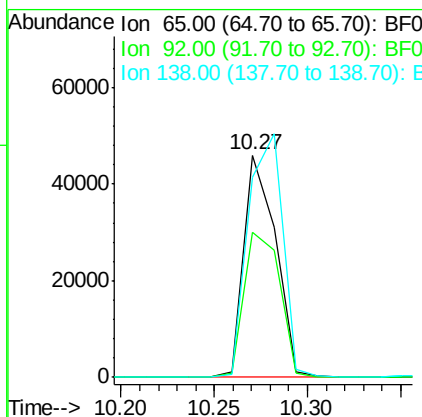
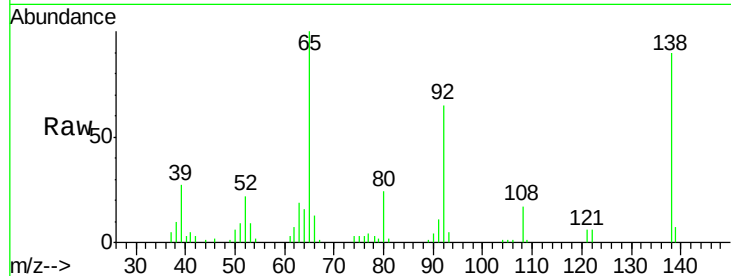
#47  
2-Nitroaniline  
Concen: 40.52 ng  
RT: 10.27 min Scan# 821  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 65.2  | 59.1  | 88.7  |
| 138     | 89.8  | 93.9  | 140.9 |

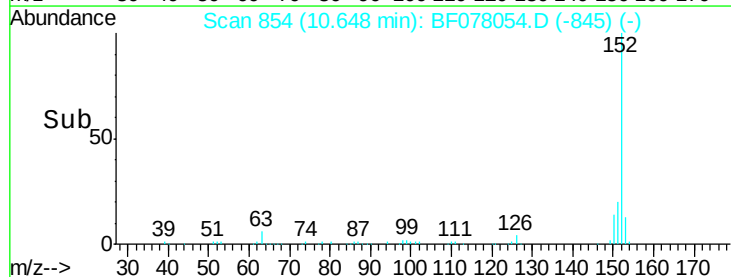
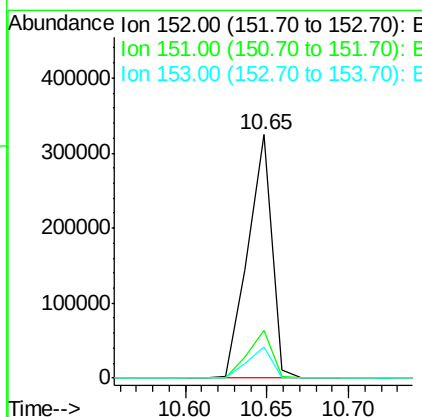
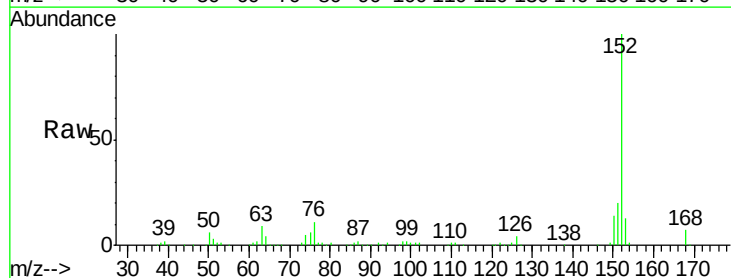
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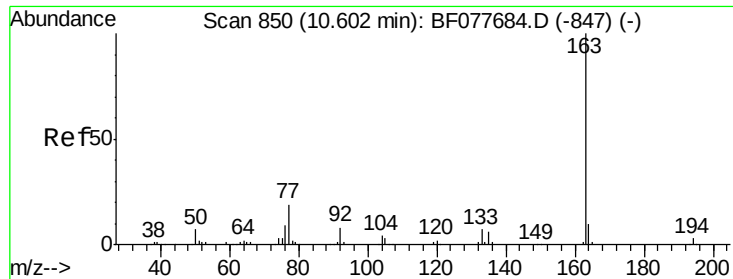
apatel  
3/30/2015 6:31:00 PM



#48  
Acenaphthylene  
Concen: 36.64 ng  
RT: 10.65 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.6  | 15.9  | 23.9  |
| 153     | 13.0  | 10.6  | 16.0  |





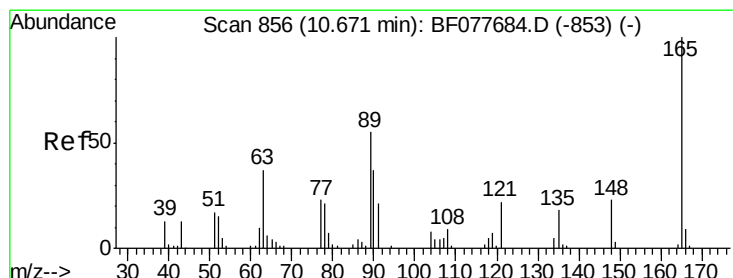
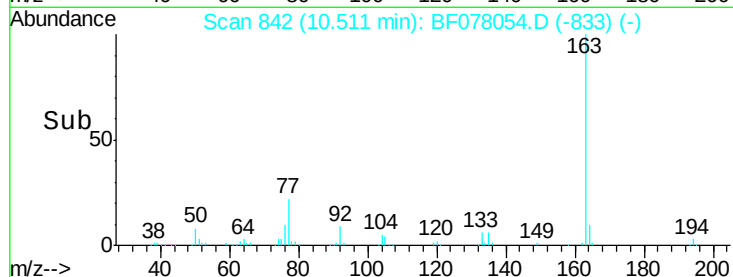
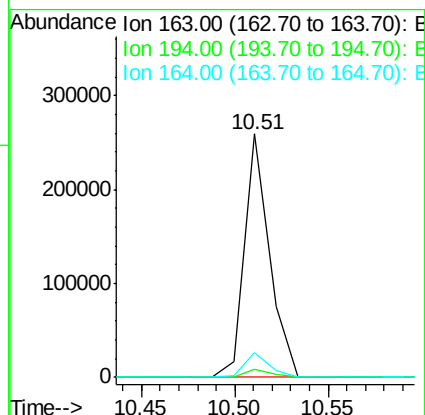
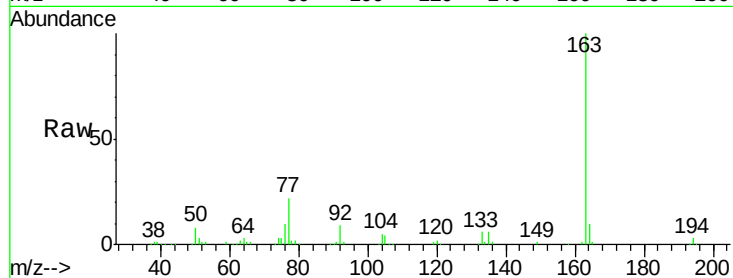
#49  
Dimethylphthalate  
Concen: 39.03 ng  
RT: 10.51 min Scan# 842  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 241713 |       |       |
| 194     | 3.2   | 2.7    | 4.1   |       |
| 164     | 10.4  | 8.2    | 12.2  |       |

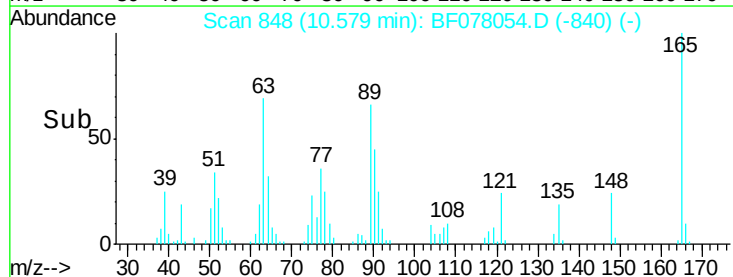
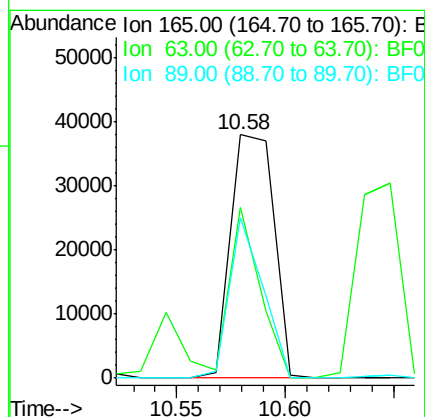
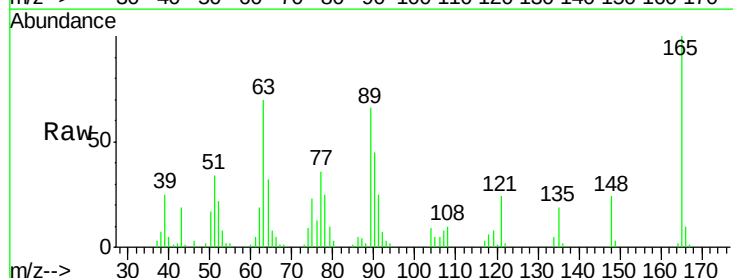
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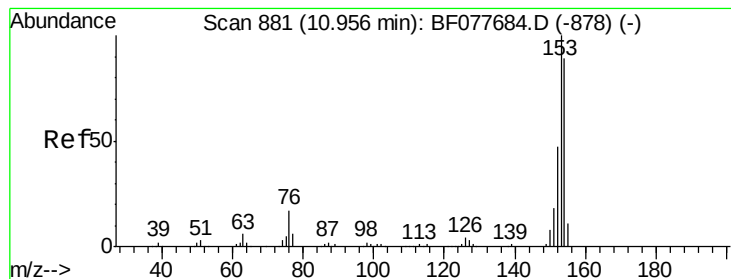
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#50  
2,6-Dinitrotoluene  
Concen: 40.83 ng  
RT: 10.58 min Scan# 848  
Delta R.T. -0.01 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 52423 |       |       |
| 63      | 70.1  | 44.1  | 66.1  | #     |
| 89      | 65.7  | 44.3  | 66.5  |       |





#51

Acenaphthene

Concen: 37.39 ng

RT: 10.85 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

Instrument :

BNA\_F

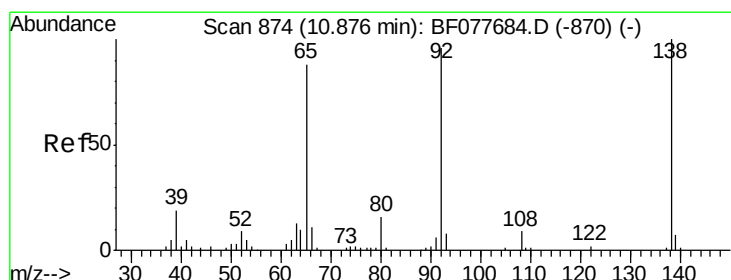
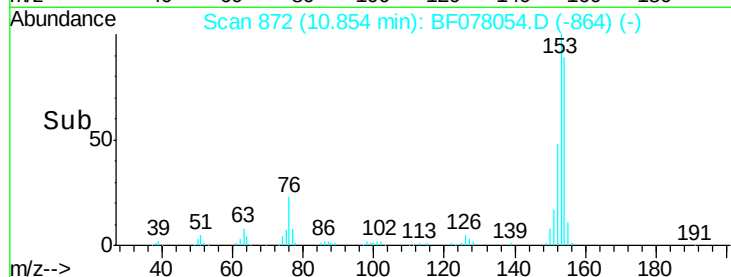
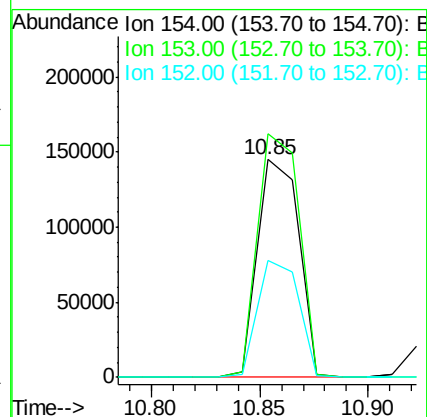
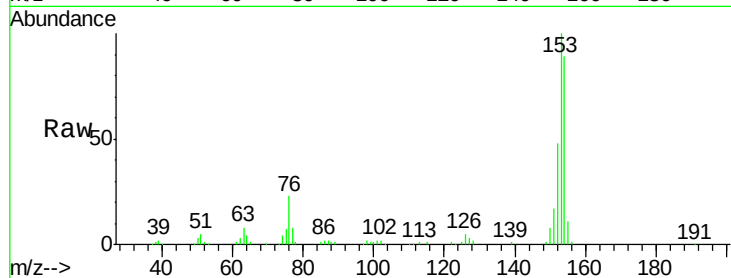
ClientSampleId :

PB82381BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 193394 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.8 | 90.0  | 135.0  |
| 152       | 53.7  | 42.6  | 63.8   |

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#52

3-Nitroaniline

Concen: 20.13 ng

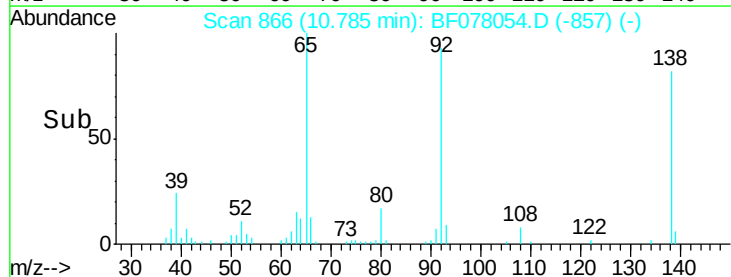
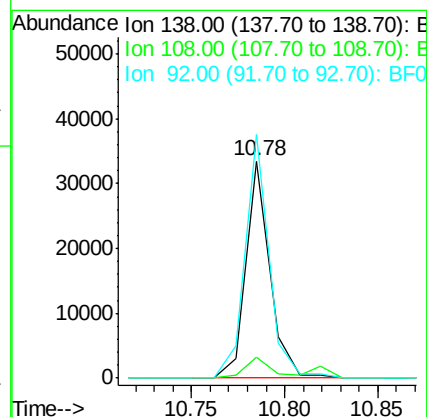
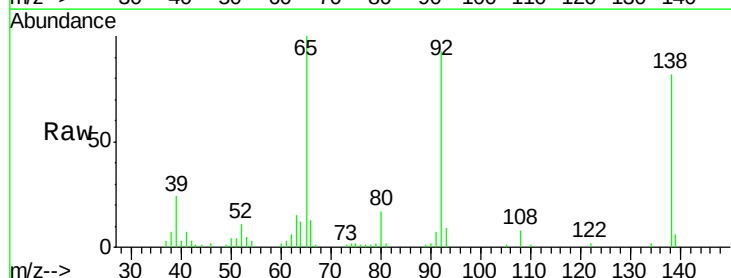
RT: 10.78 min Scan# 866

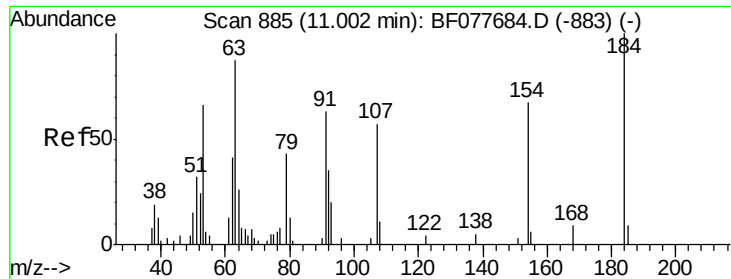
Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 30010 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 9.9   | 7.3   | 10.9  |
| 92        | 112.4 | 76.6  | 114.8 |





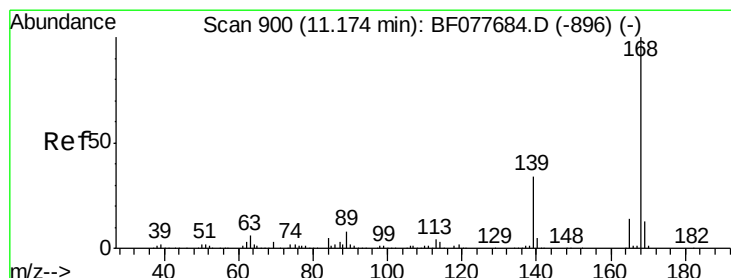
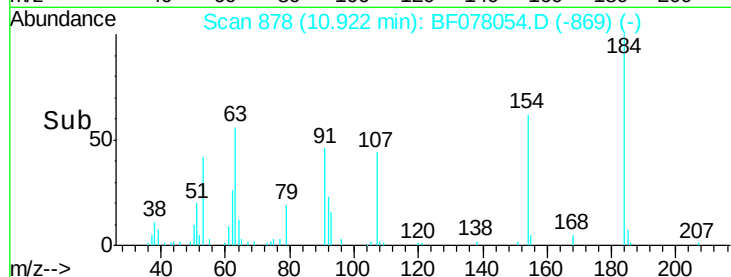
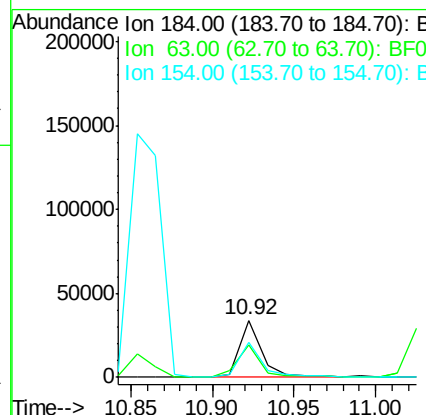
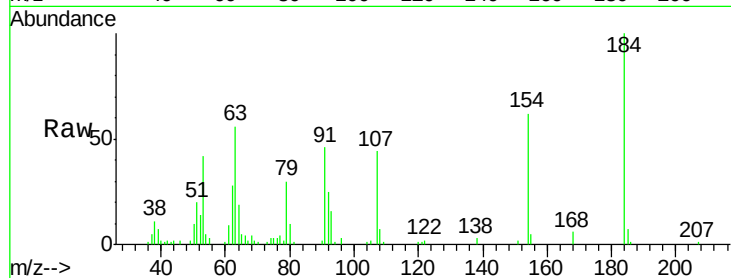
#53  
2,4-Dinitrophenol  
Concen: 70.56 ng  
RT: 10.92 min Scan# 878  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 56.2  | 69.2  | 103.8# |
| 154     | 62.1  | 53.3  | 79.9   |

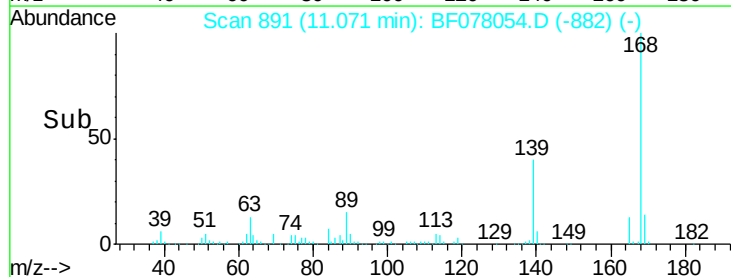
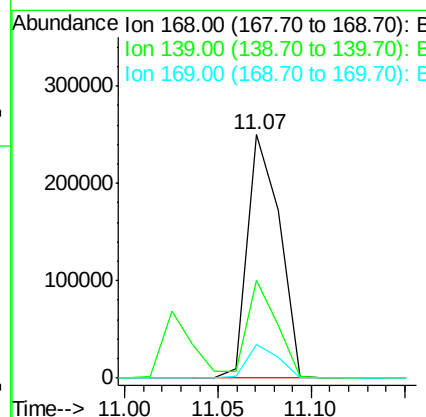
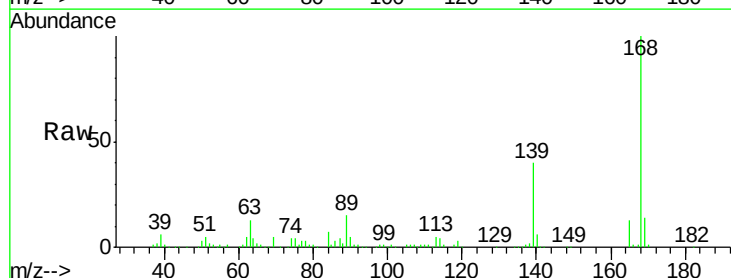
Manual Integrations  
APPROVED

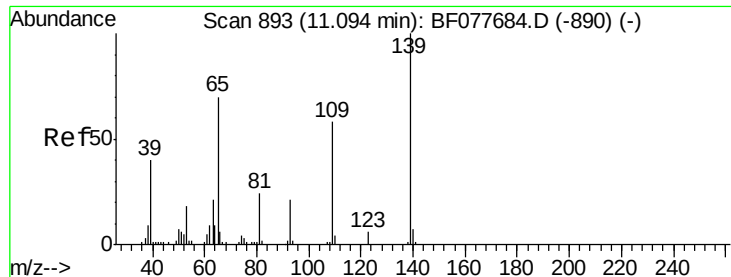
apatel  
3/30/2015 6:31:00 PM



#54  
Dibenzofuran  
Concen: 38.81 ng  
RT: 11.07 min Scan# 891  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 40.1  | 27.3  | 40.9  |
| 169     | 13.6  | 10.6  | 16.0  |





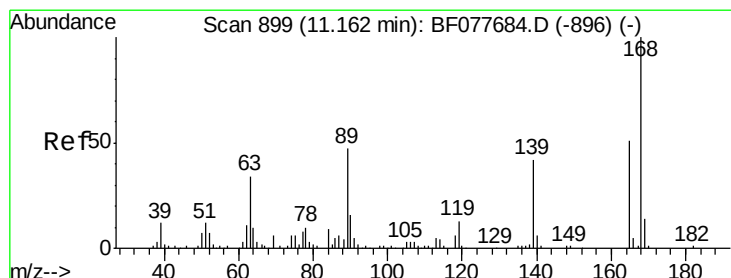
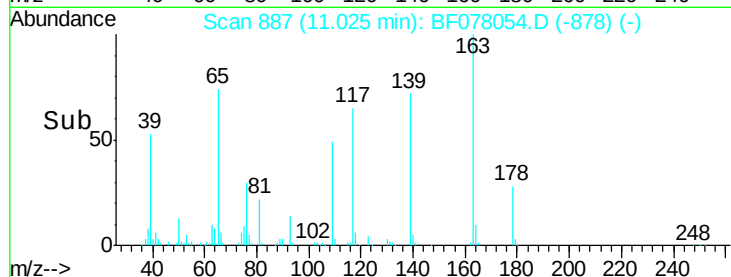
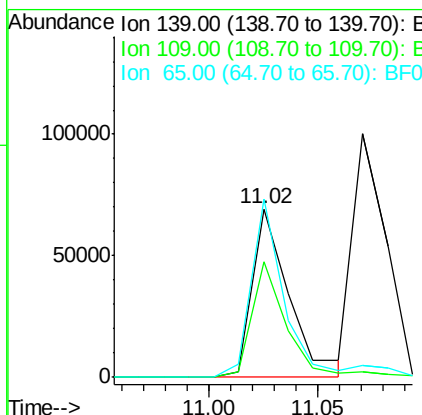
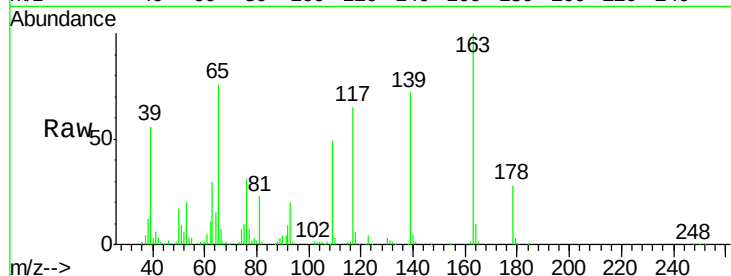
#55  
4-Nitrophenol  
Concen: 74.61 ng  
RT: 11.02 min Scan# 887  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 139     | 100   | 82403 |       |       |
| 109     | 68.4  | 37.7  | 77.7  |       |
| 65      | 105.8 | 49.9  | 89.9# |       |

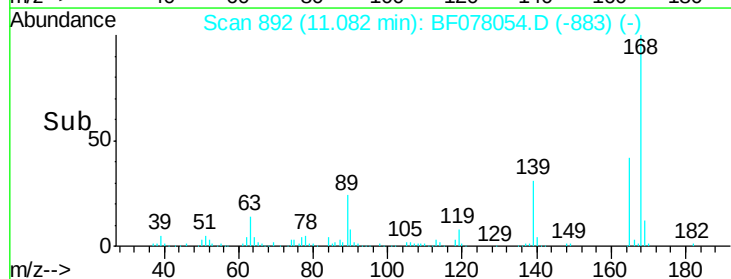
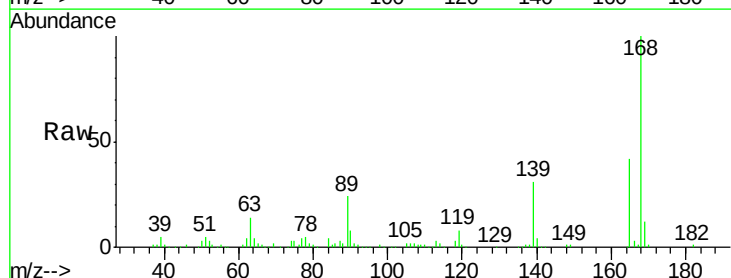
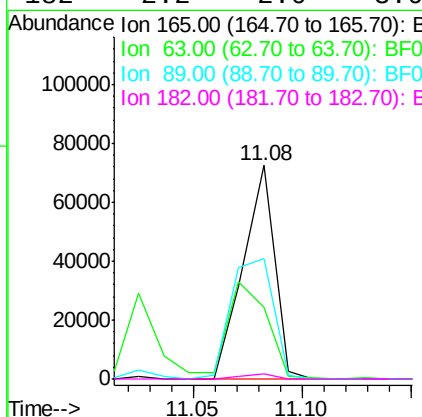
Manual Integrations  
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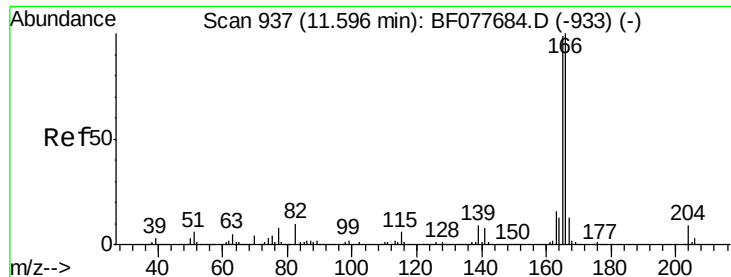


#56  
2,4-Dinitrotoluene  
Concen: 43.69 ng  
RT: 11.08 min Scan# 892  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp  | Lower  | Upper |
|---------|-------|-------|--------|-------|
| 165     | 100   | 73139 |        |       |
| 63      | 33.8  | 52.4  | 78.6#  |       |
| 89      | 56.4  | 72.4  | 108.6# |       |
| 182     | 2.2   | 2.0   | 3.0    |       |







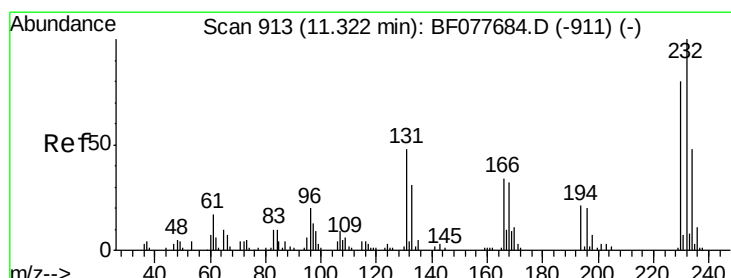
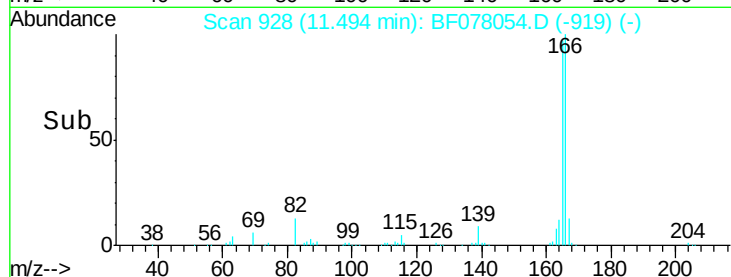
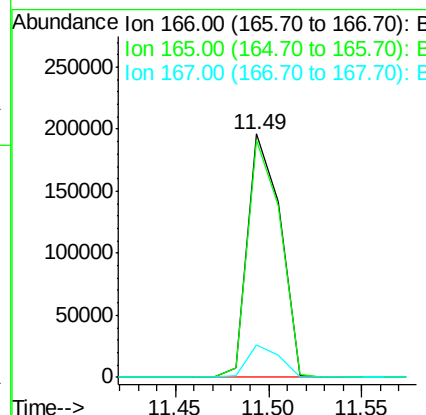
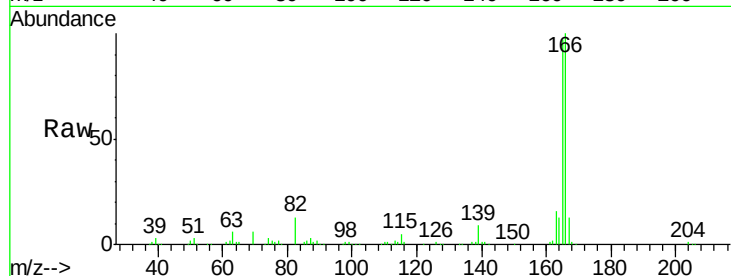
#57  
Fluorene  
Concen: 37.37 ng  
RT: 11.49 min Scan# 928  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 238043 |       |       |
| 165     | 97.4  | 79.0   | 118.4 |       |
| 167     | 13.1  | 10.3   | 15.5  |       |

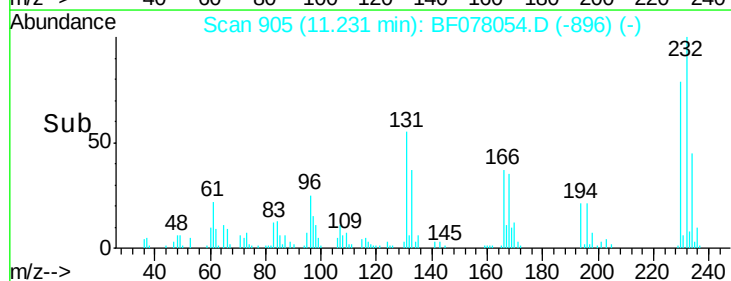
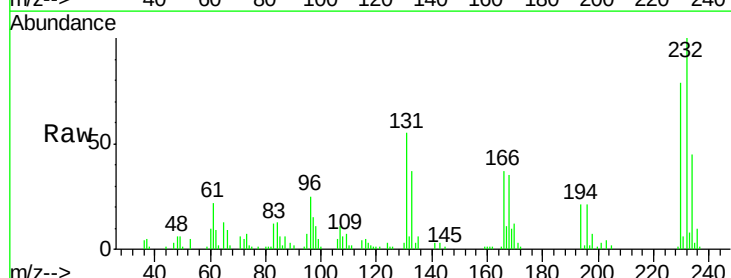
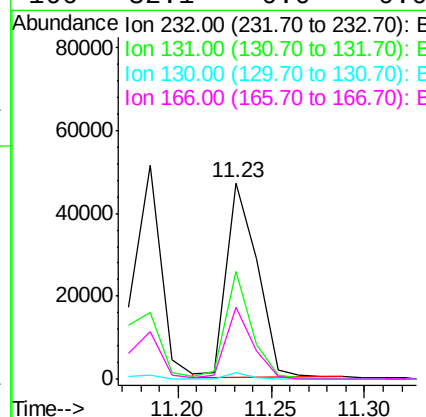
Manual Integrations  
APPROVED

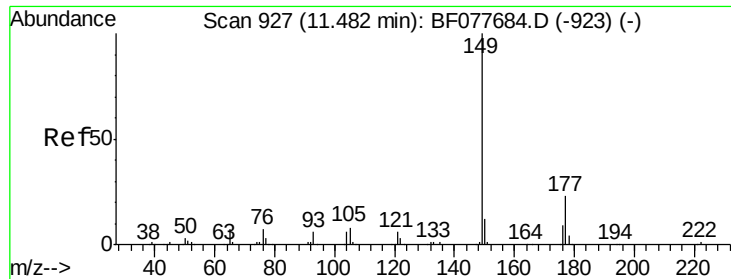
apatel  
3/30/2015 6:31:00 PM



#58  
2,3,4,6-Tetrachlorophenol  
Concen: 38.10 ng  
RT: 11.23 min Scan# 905  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 232     | 100   | 54688 |       |       |
| 131     | 46.9  | 0.0   | 0.0#  |       |
| 130     | 2.3   | 0.0   | 0.0#  |       |
| 166     | 32.1  | 0.0   | 0.0#  |       |





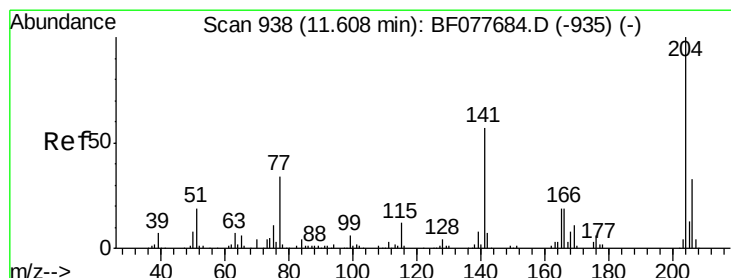
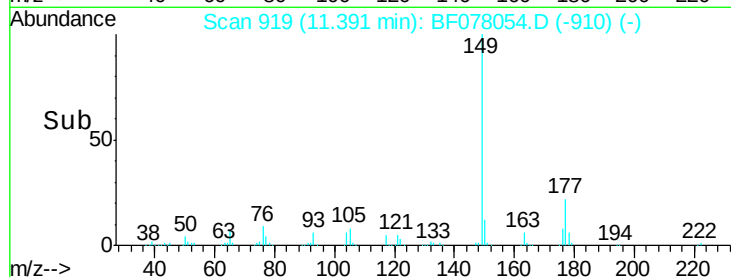
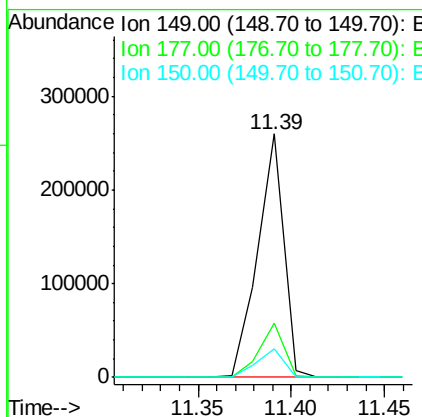
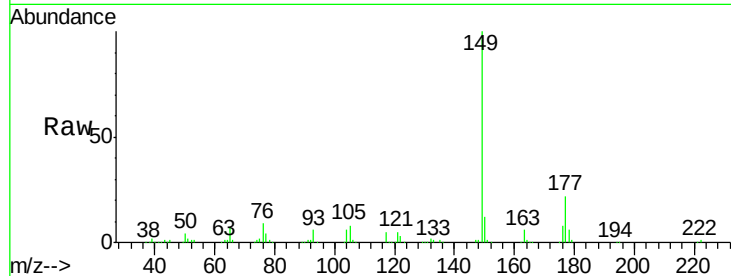
#59  
Diethylphthalate  
Concen: 41.36 ng  
RT: 11.39 min Scan# 919  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 249584 |       |       |
| 177     | 22.2  | 18.3   | 27.5  |       |
| 150     | 11.6  | 9.8    | 14.8  |       |

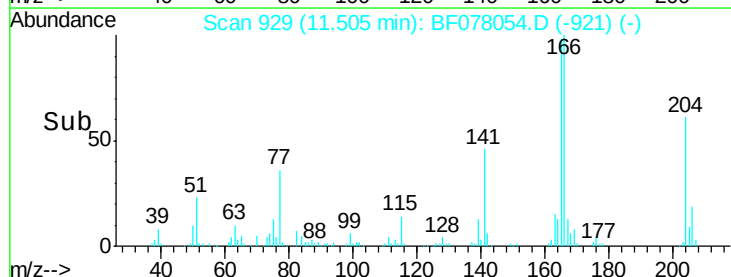
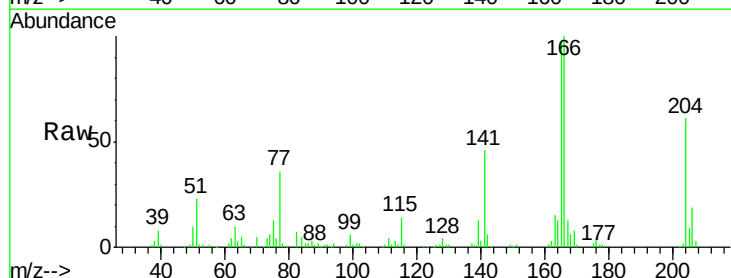
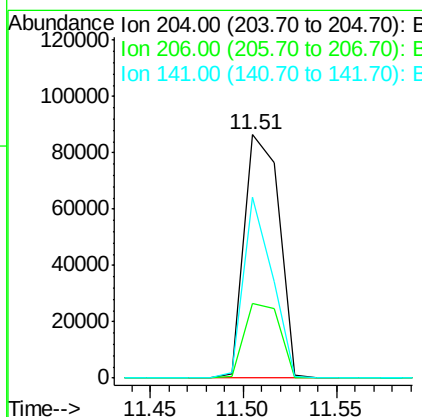
Manual Integrations  
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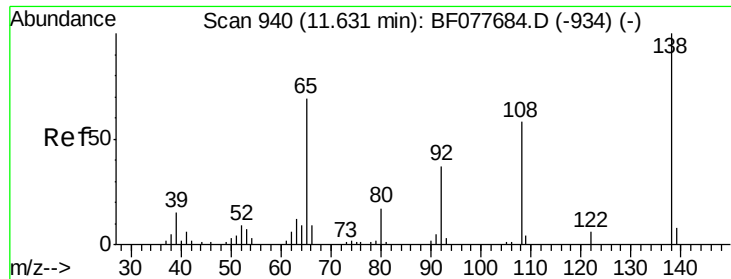
apatel  
3/30/2015 6:31:00 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 39.07 ng  
RT: 11.51 min Scan# 929  
Delta R.T. -0.01 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 113580 |       |       |
| 206     | 30.5  | 26.6   | 39.8  |       |
| 141     | 74.5  | 45.2   | 67.8# |       |





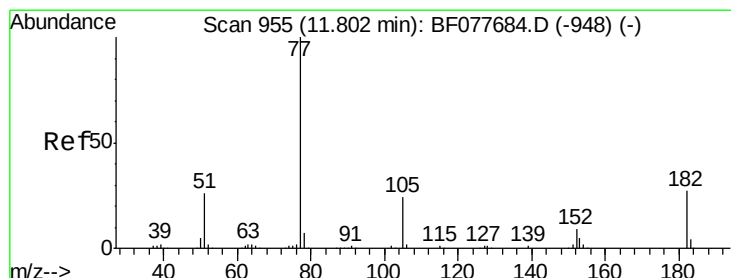
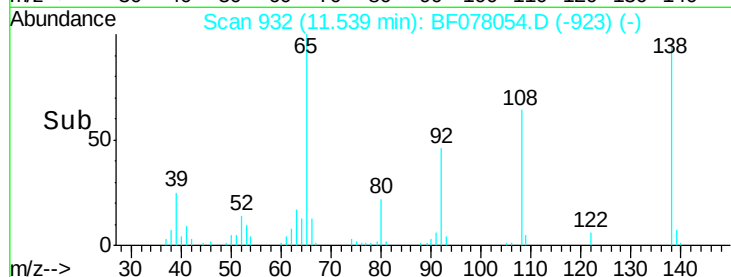
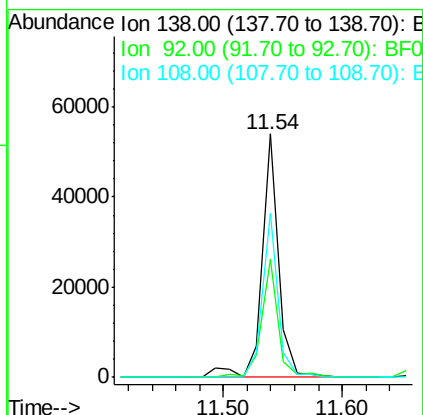
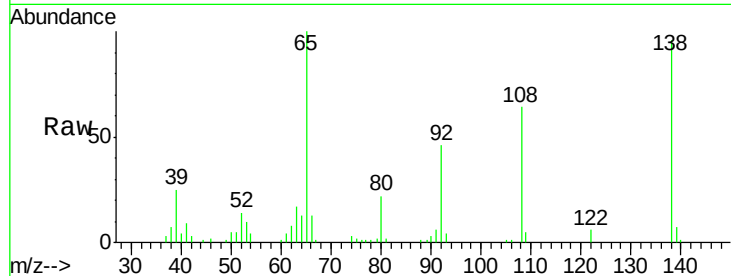
#61  
4-Nitroaniline  
Concen: 35.64 ng  
RT: 11.54 min Scan# 932  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 48.3  | 16.7  | 56.7  |
| 108     | 67.5  | 37.6  | 77.6  |

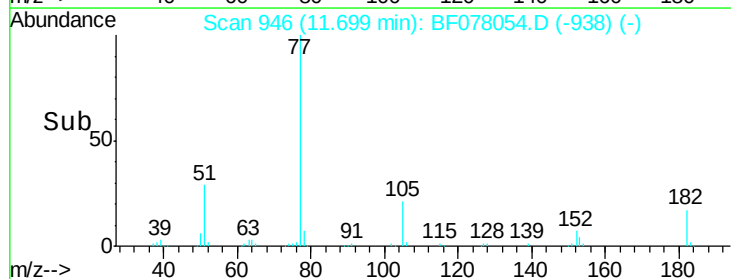
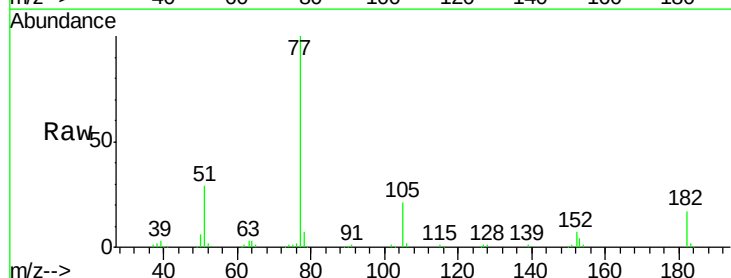
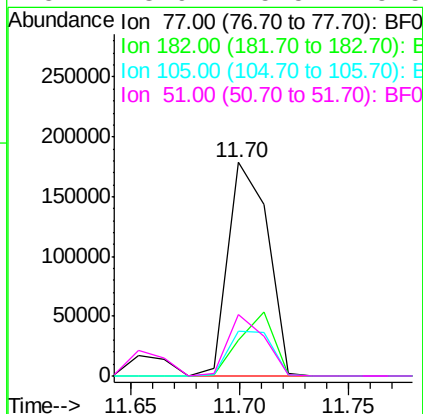
Manual Integrations  
APPROVED

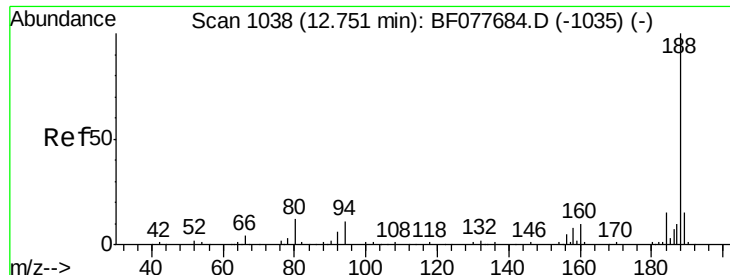
apatel  
3/30/2015 6:31:00 PM



#62  
Azobenzene  
Concen: 39.38 ng  
RT: 11.70 min Scan# 946  
Delta R.T. -0.01 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 17.0  | 6.5   | 46.5  |
| 105     | 21.0  | 3.8   | 43.8  |
| 51      | 28.9  | 5.5   | 45.5  |





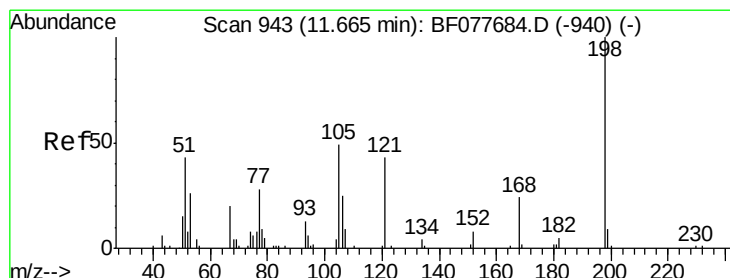
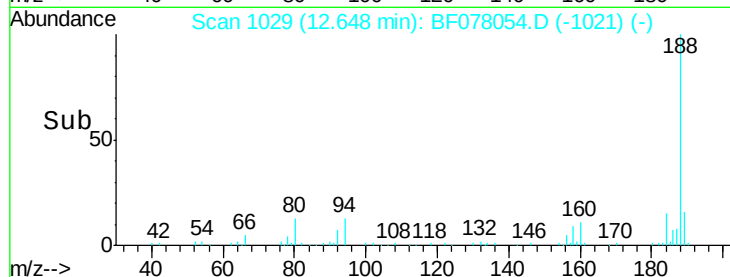
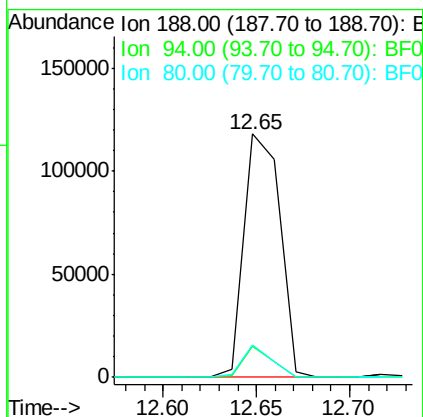
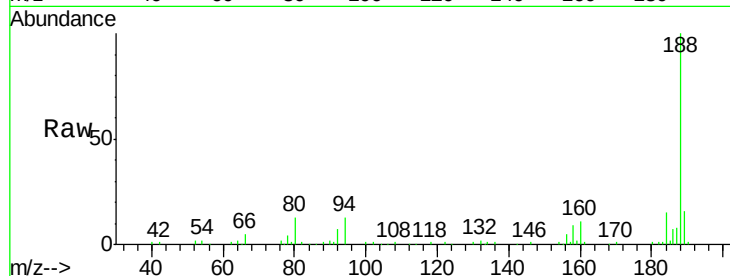
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 12.65 min Scan# 1029  
 Delta R.T. -0.01 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82381BSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 12.6  | 8.7        | 13.1  |
| 80      | 13.2  | 9.3        | 13.9  |

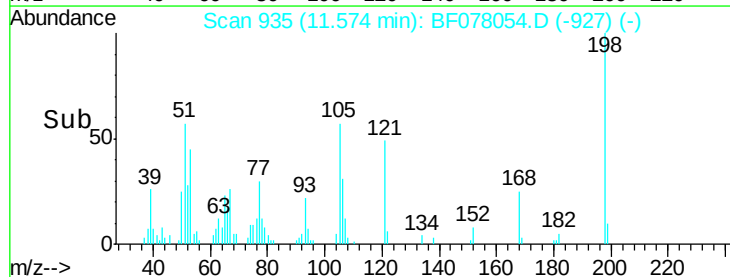
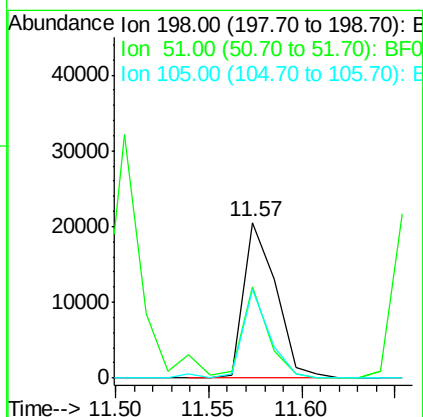
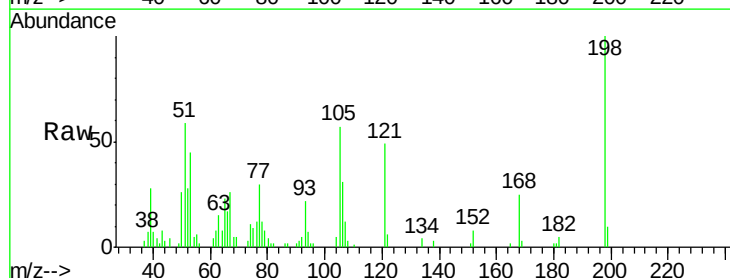
Manual Integrations  
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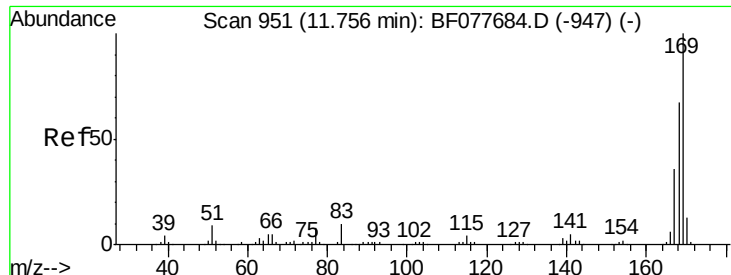
apatel  
 3/30/2015 6:31:00 PM



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 34.22 ng  
 RT: 11.57 min Scan# 935  
 Delta R.T. -0.01 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 198     | 100   |            |       |
| 51      | 58.6  | 28.8       | 68.8  |
| 105     | 56.9  | 30.5       | 70.5  |





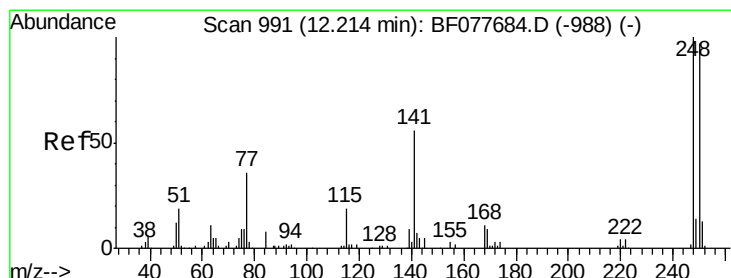
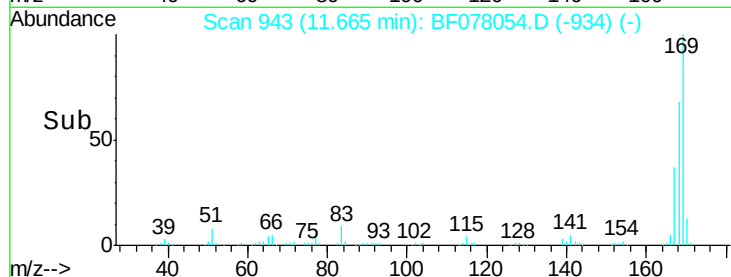
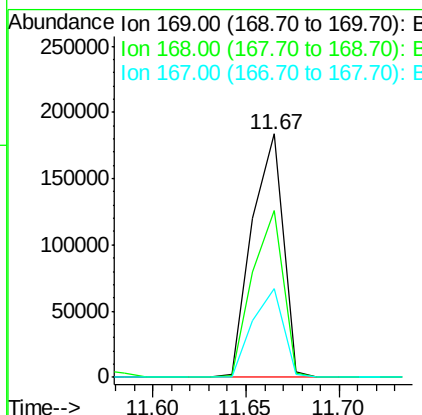
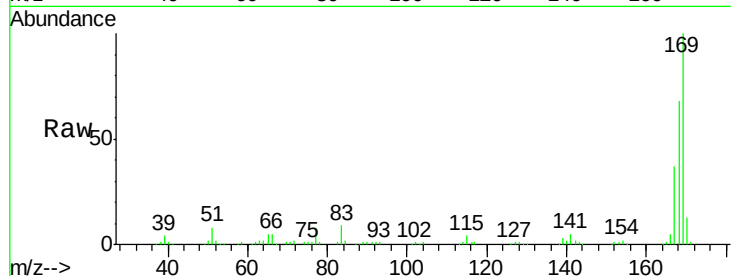
#65  
 n-Nitrosodiphenylamine  
 Concen: 40.40 ng  
 RT: 11.67 min Scan# 943  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82381BSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 169     | 100   |      |       |       |
| 168     | 68.4  | 53.9 | 80.9  |       |
| 167     | 36.6  | 28.9 | 43.3  |       |

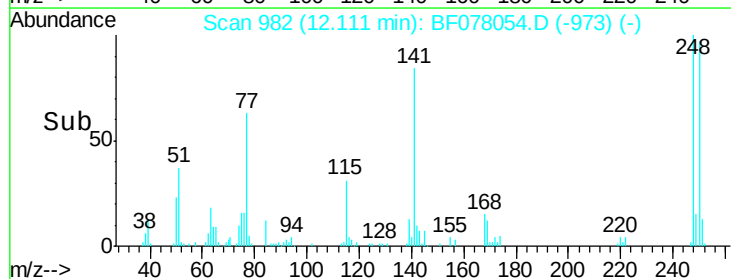
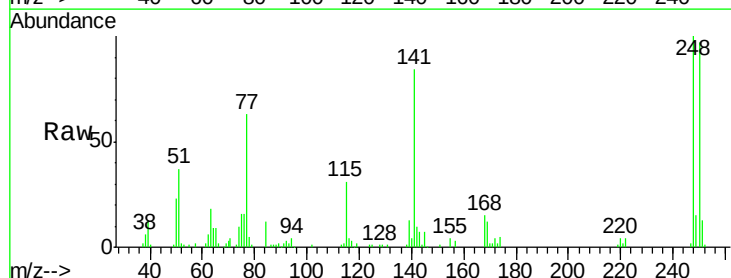
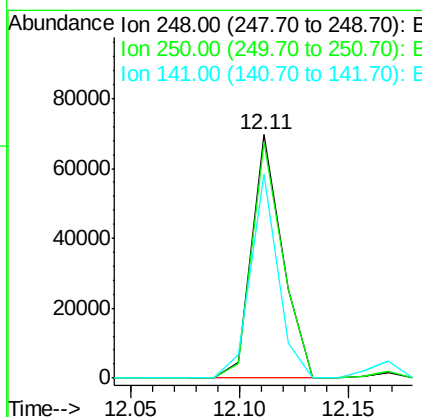
Manual Integrations  
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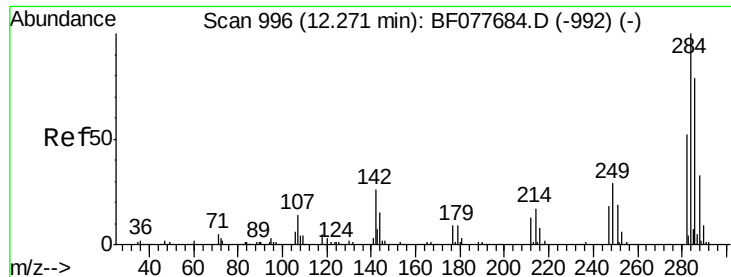
apatel  
 3/30/2015 6:31:00 PM



#66  
 4-Bromophenyl-phenylether  
 Concen: 40.54 ng  
 RT: 12.11 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 248     | 100   |      |       |       |
| 250     | 96.8  | 77.4 | 116.0 |       |
| 141     | 83.6  | 45.2 | 67.8  |       |





#67

Hexachlorobenzene

Concen: 39.02 ng

RT: 12.17 min Scan# 987

Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

Instrument :

BNA\_F

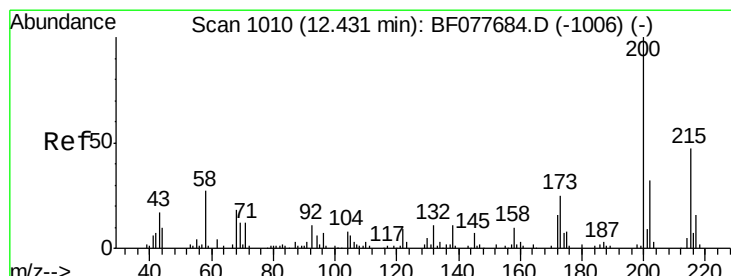
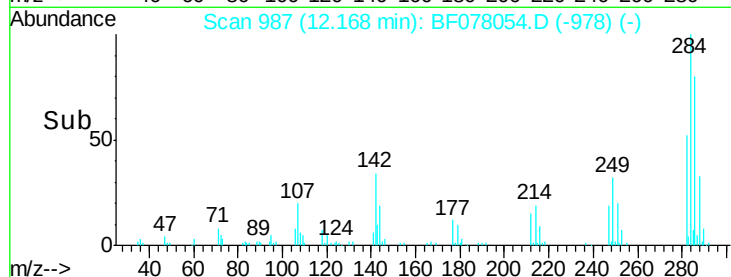
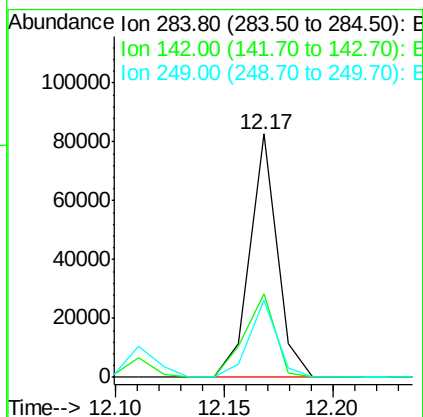
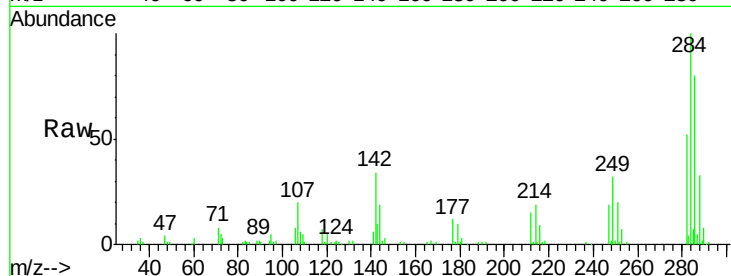
ClientSampleId :

PB82381BSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 284   | Resp: | 72465 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 34.3  | 20.4  | 30.6# |
| 249       | 31.7  | 23.8  | 35.6  |

Manual Integrations  
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apatel  
3/30/2015 6:31:00 PM



#68

Atrazine

Concen: 46.60 ng

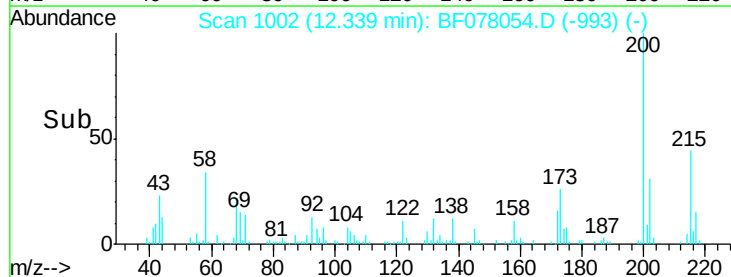
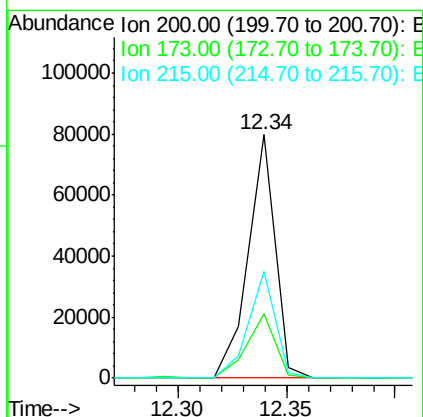
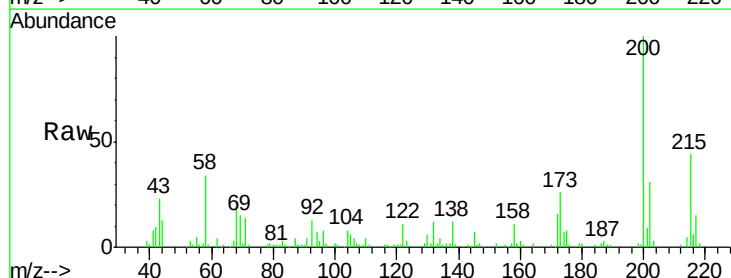
RT: 12.34 min Scan# 1002

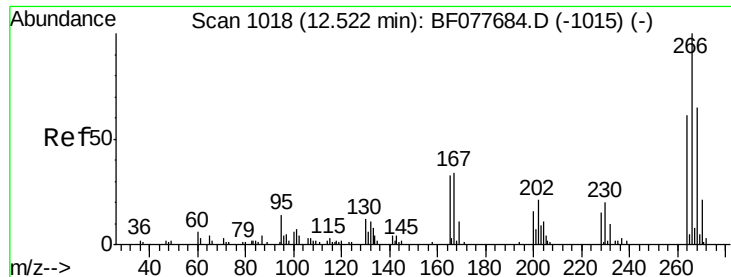
Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 68859 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 26.3  | 4.8   | 44.8  |
| 215       | 44.0  | 26.9  | 66.9  |





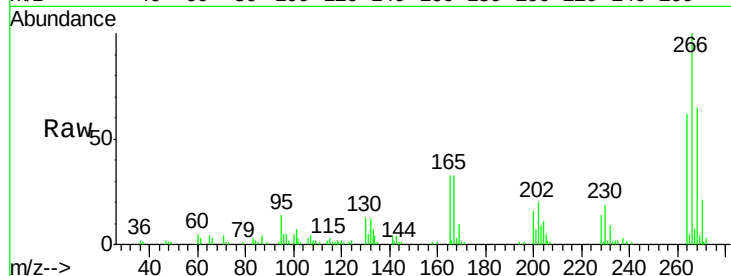
#69  
 Pentachlorophenol  
 Concen: 59.92 ng  
 RT: 12.43 min Scan# 1010  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82381BSD

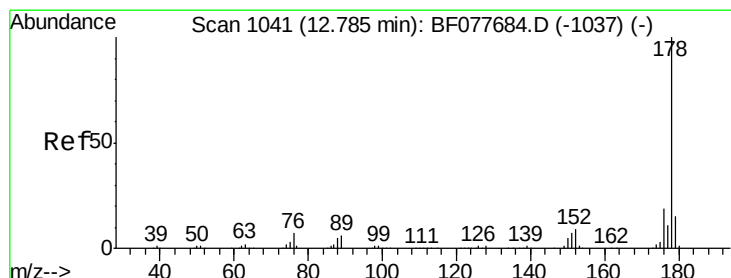
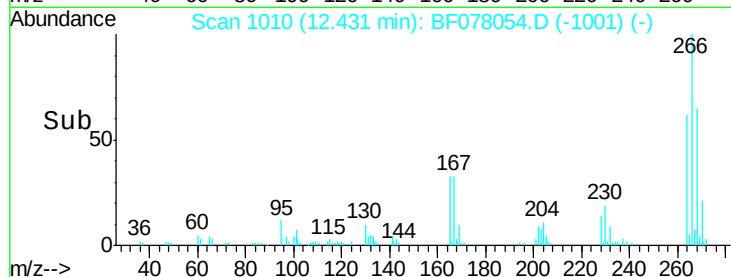
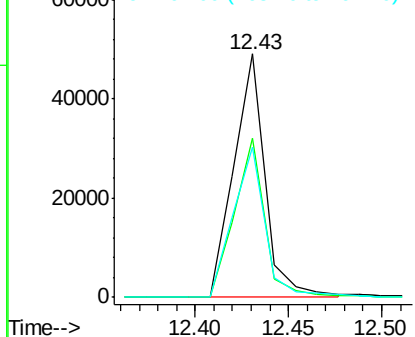
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 266     | 100   | 57495 |       |       |
| 268     | 65.3  |       | 52.0  | 78.0  |
| 264     | 61.7  |       | 49.0  | 73.4  |

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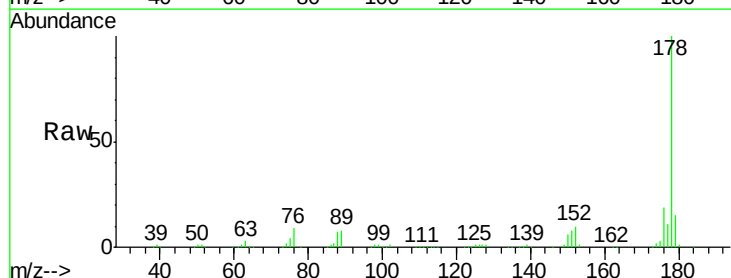


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

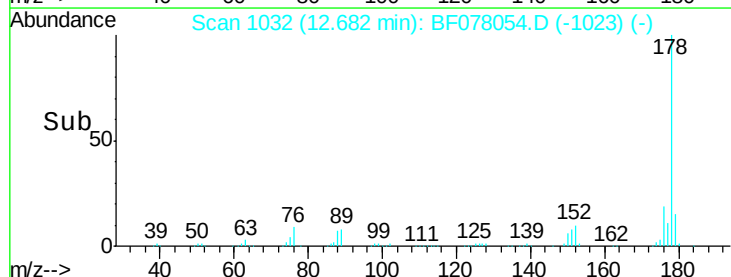
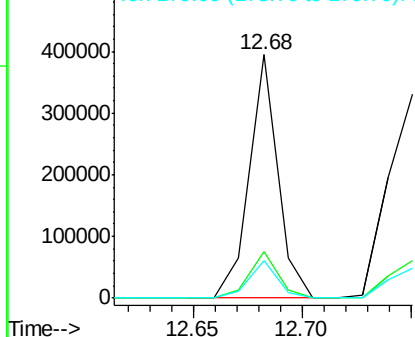


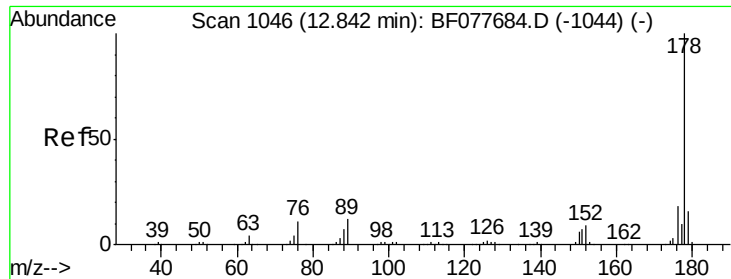
#70  
 Phenanthrene  
 Concen: 39.61 ng  
 RT: 12.68 min Scan# 1032  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 360145 |       |       |
| 176     | 19.0  |        | 15.2  | 22.8  |
| 179     | 15.5  |        | 12.1  | 18.1  |



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





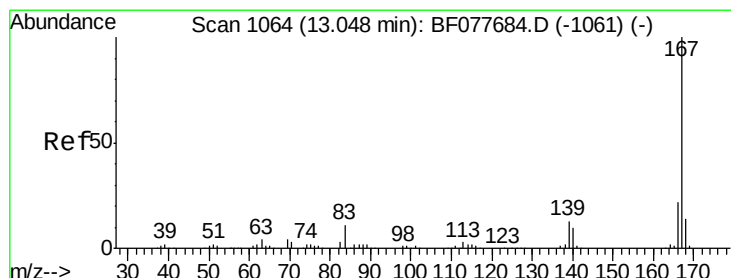
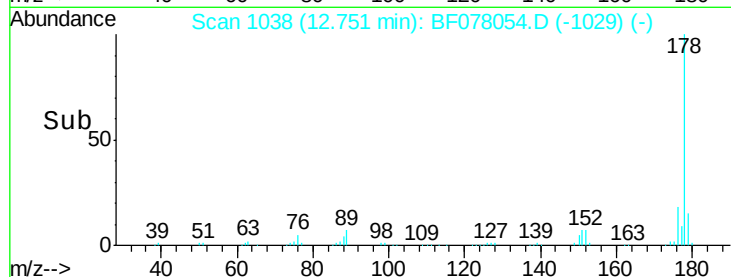
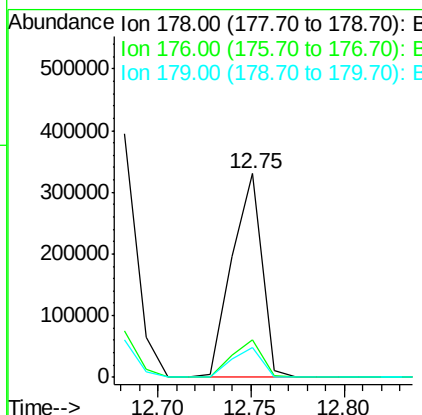
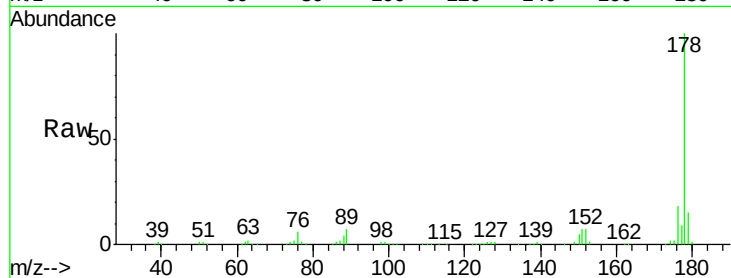
#71  
 Anthracene  
 Concen: 41.36 ng  
 RT: 12.75 min Scan# 1038  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB82381BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.2  | 14.6  | 22.0  |
| 179     | 14.9  | 12.6  | 19.0  |

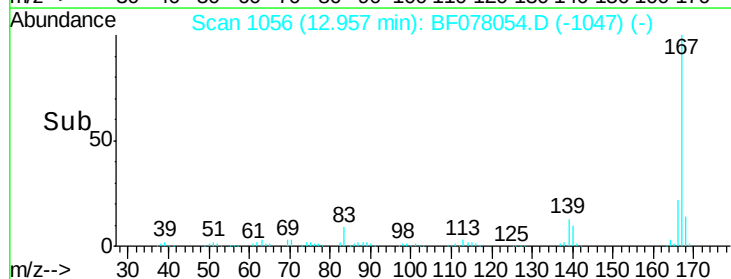
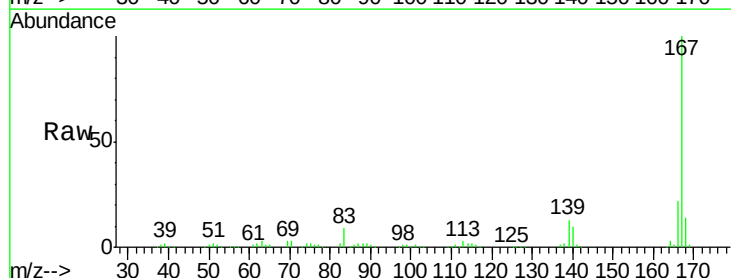
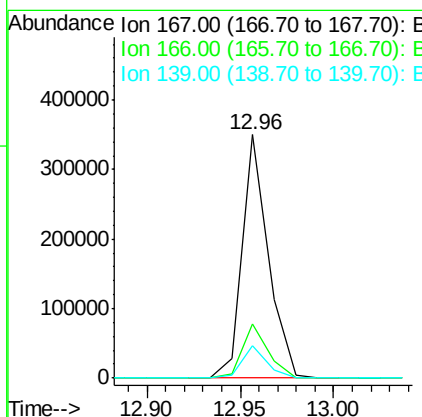
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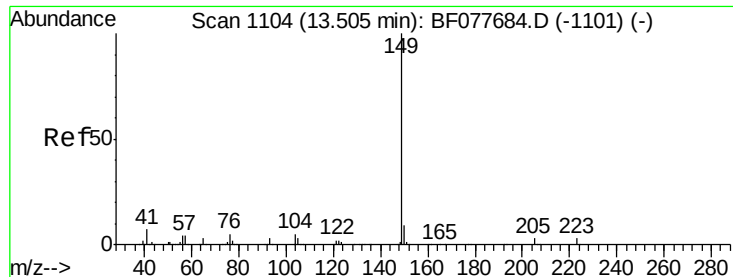


#72  
 Carbazole  
 Concen: 39.87 ng  
 RT: 12.96 min Scan# 1056  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.0  | 17.2  | 25.8  |
| 139     | 13.3  | 10.8  | 16.2  |







#73

Di-n-butylphthalate

Concen: 42.11 ng

RT: 13.41 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

Instrument :

BNA\_F

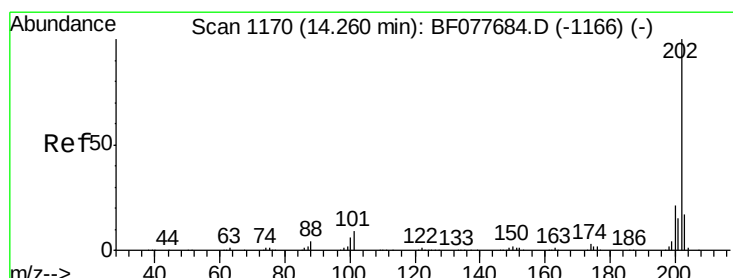
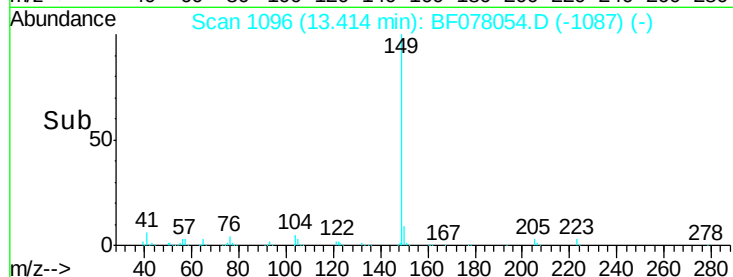
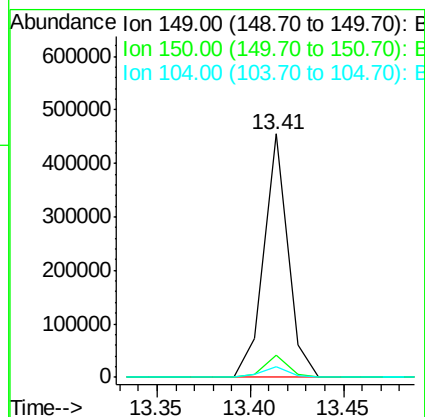
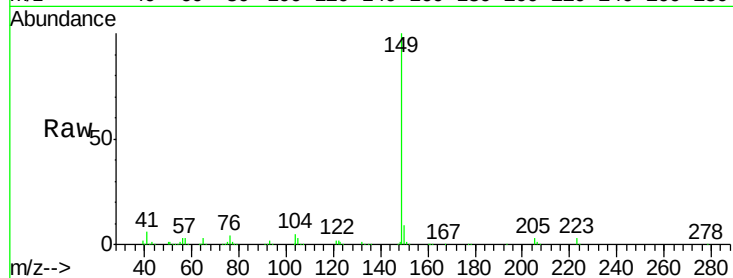
ClientSampleId :

PB82381BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 403393 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.0   | 7.5   | 11.3   |
| 104       | 4.6   | 3.7   | 5.5    |

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#74

Fluoranthene

Concen: 40.53 ng

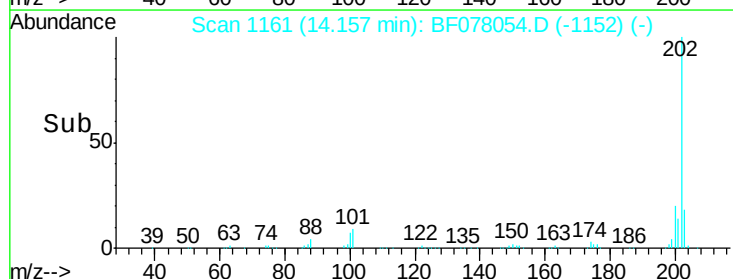
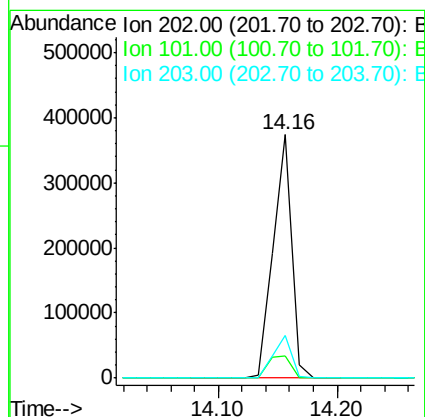
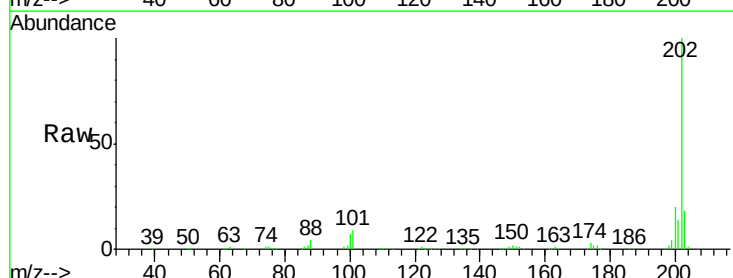
RT: 14.16 min Scan# 1161

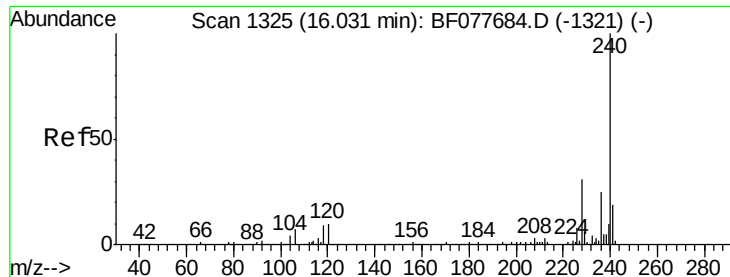
Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 406437 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 9.0   | 0.0   | 28.7   |
| 203       | 17.7  | 0.0   | 37.2   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

Instrument :

BNA\_F

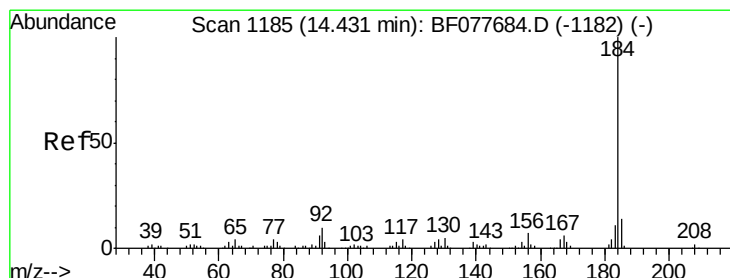
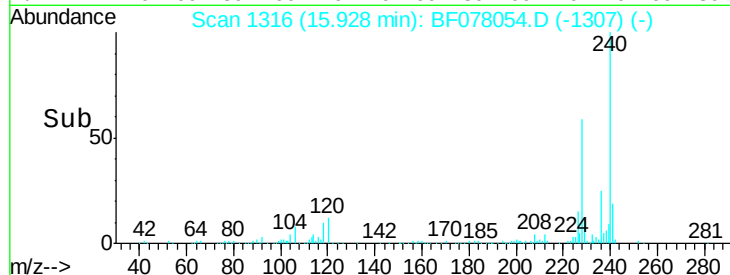
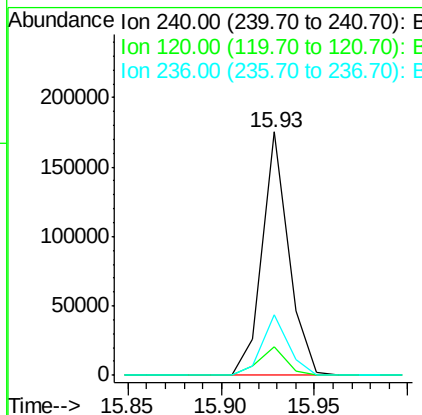
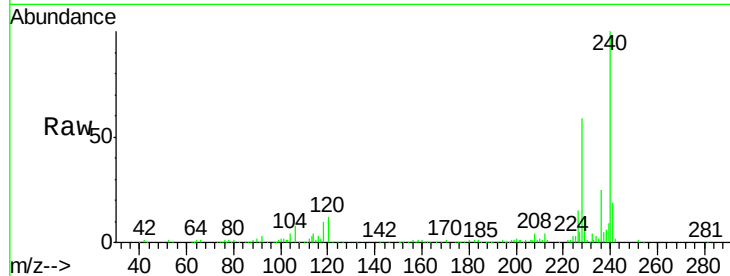
ClientSampleId :

PB82381BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 171953 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 11.6  | 8.2   | 12.2   |
| 236       | 24.9  | 20.0  | 30.0   |

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#76

Benzidine

Concen: 27.70 ng

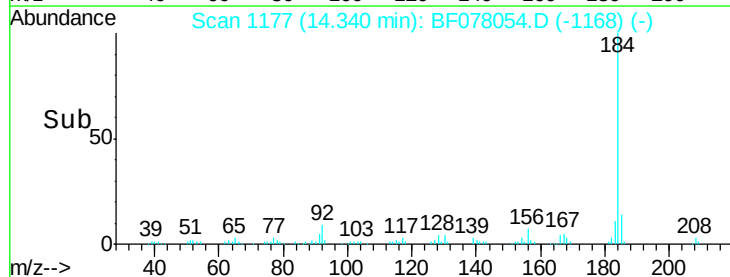
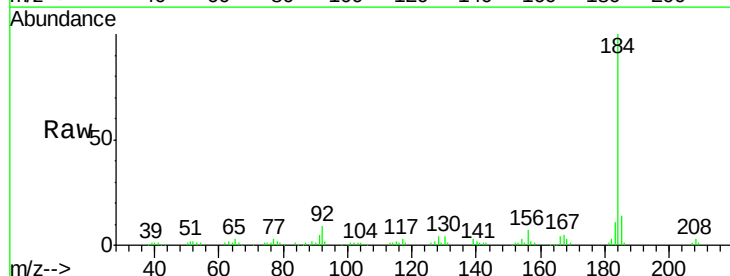
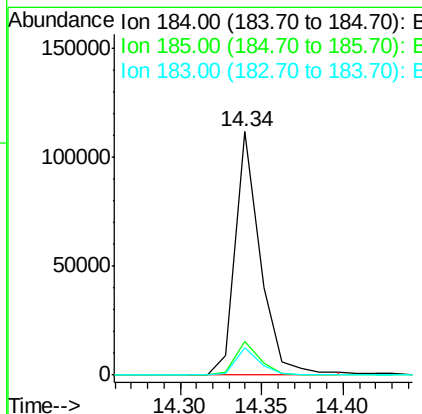
RT: 14.34 min Scan# 1177

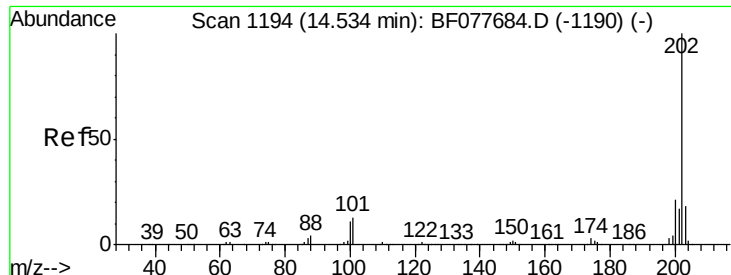
Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 118469 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.1  | 11.3  | 16.9   |
| 183       | 11.1  | 8.9   | 13.3   |





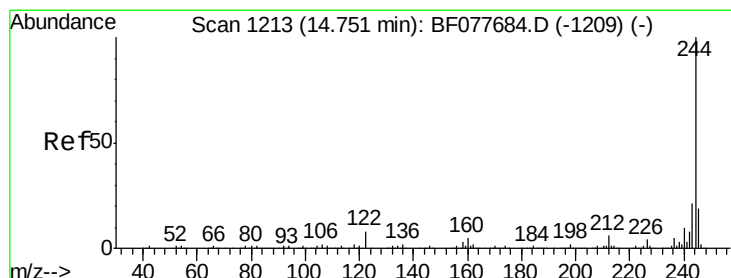
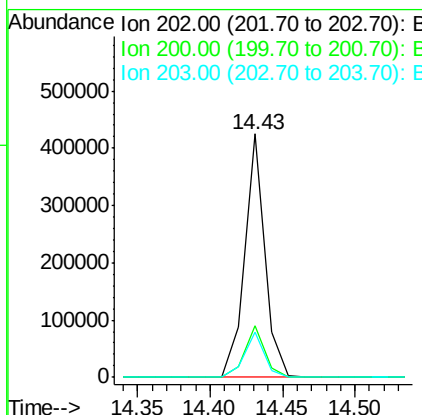
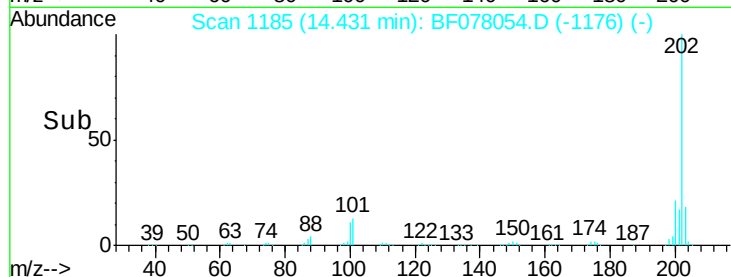
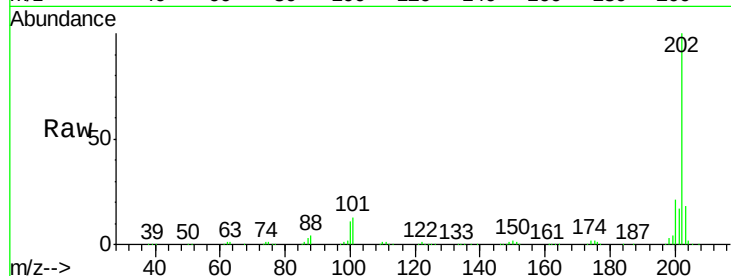
#77  
Pvrene  
Concen: 37.87 ng  
RT: 14.43 min Scan# 1185  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 21.4  | 16.9       | 25.3  |
| 203     | 18.4  | 14.1       | 21.1  |

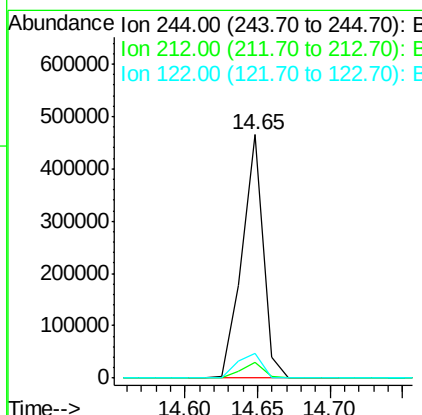
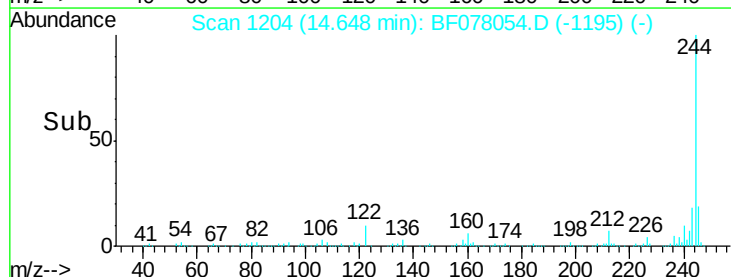
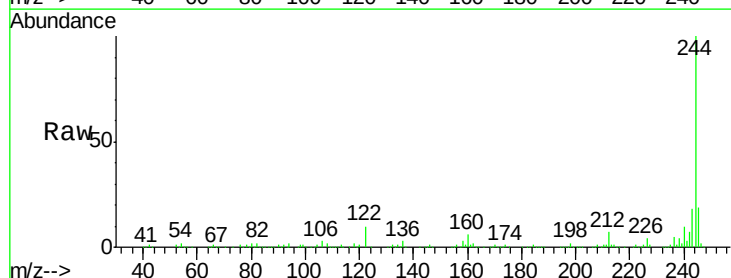
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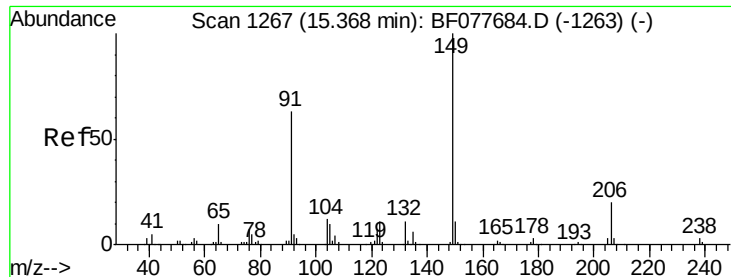
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3/30/2015 6:31:00 PM



#78  
Terphenyl-d14  
Concen: 67.05 ng  
RT: 14.65 min Scan# 1204  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 6.6   | 4.9        | 7.3   |
| 122     | 10.2  | 6.2        | 9.4   |





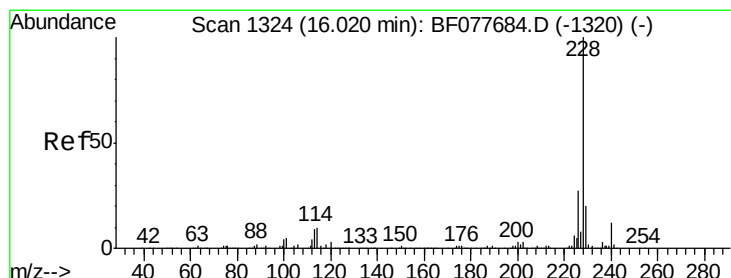
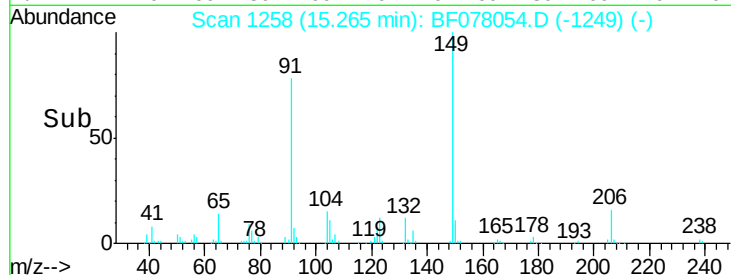
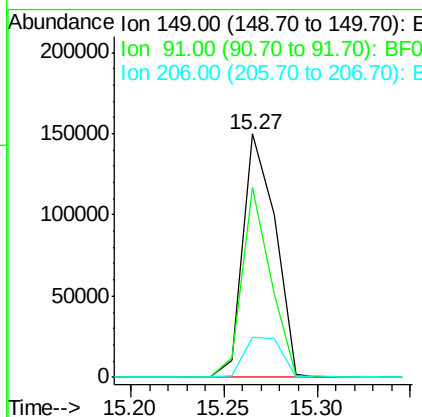
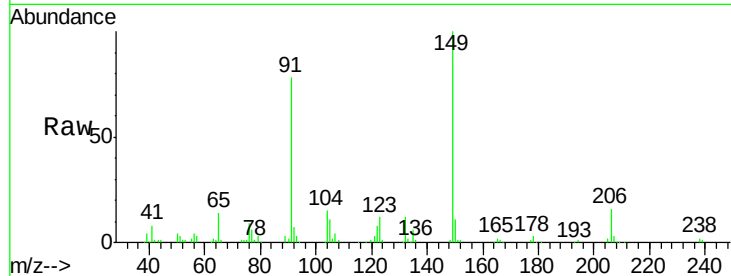
#79  
Butylbenzylphthalate  
Concen: 42.28 ng  
RT: 15.27 min Scan# 1258  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 180239 |       |       |
| 91      | 78.1  | 50.1   | 75.1# |       |
| 206     | 16.5  | 16.2   | 24.2  |       |

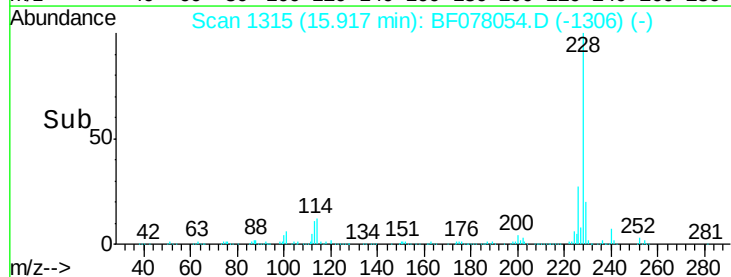
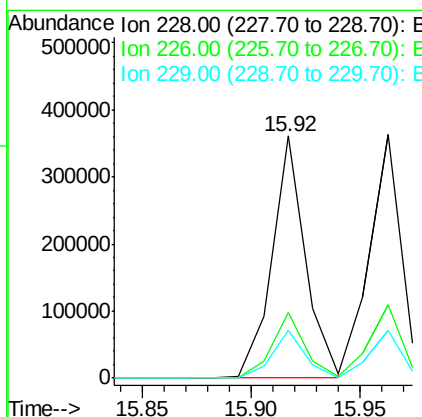
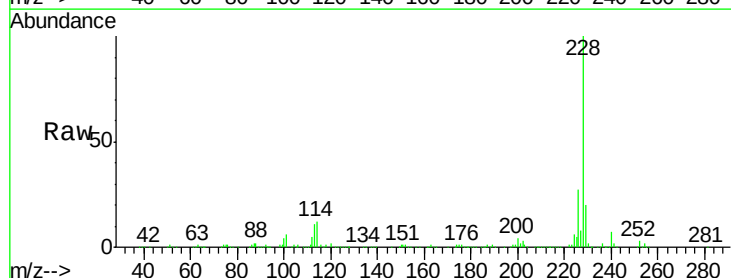
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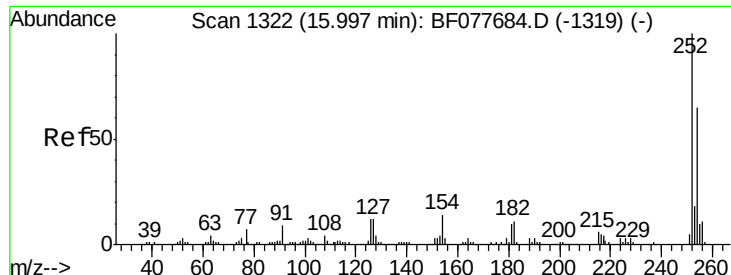
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#80  
Benzo(a)anthracene  
Concen: 37.99 ng  
RT: 15.92 min Scan# 1315  
Delta R.T. -0.00 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 387283 |       |       |
| 226     | 27.0  | 21.7   | 32.5  |       |
| 229     | 19.9  | 16.0   | 24.0  |       |





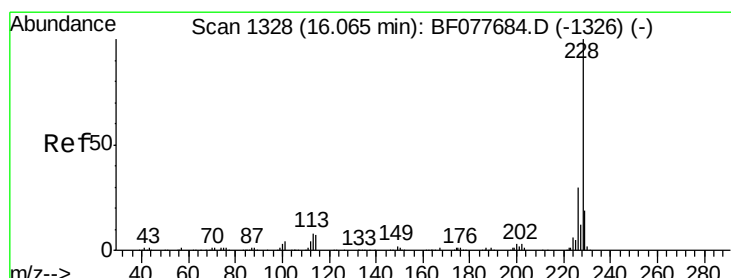
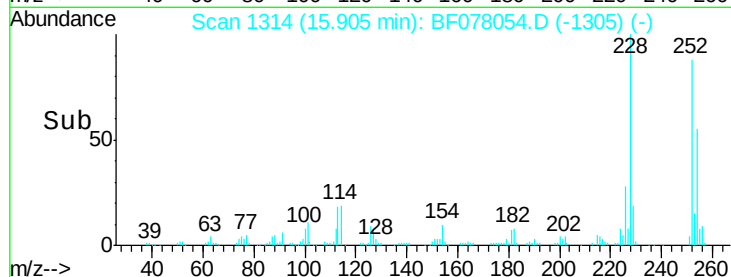
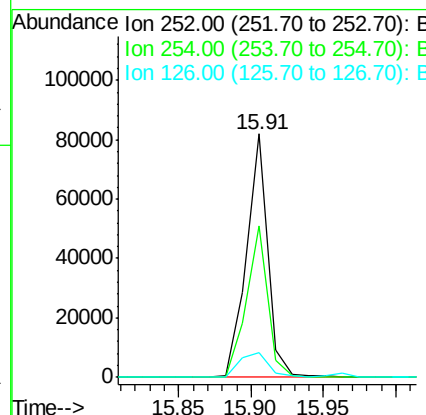
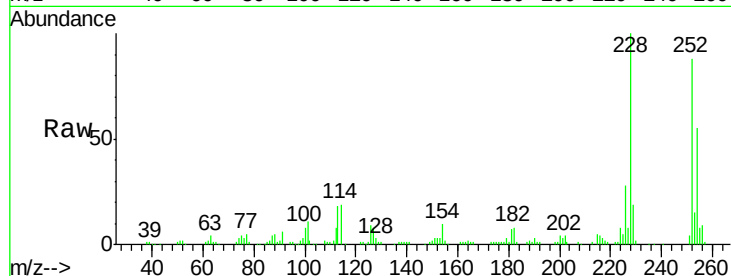
#81  
 3,3'-Dichlorobenzidine  
 Concen: 24.96 ng  
 RT: 15.91 min Scan# 1314  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB82381BSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 62.4  | 51.9       | 77.9  |
| 126     | 10.1  | 9.8        | 14.8  |

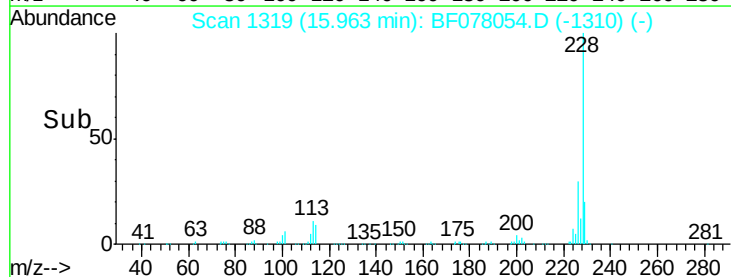
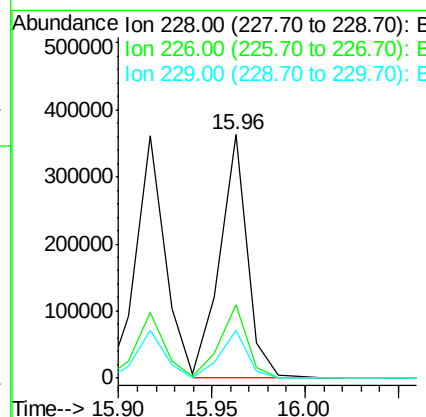
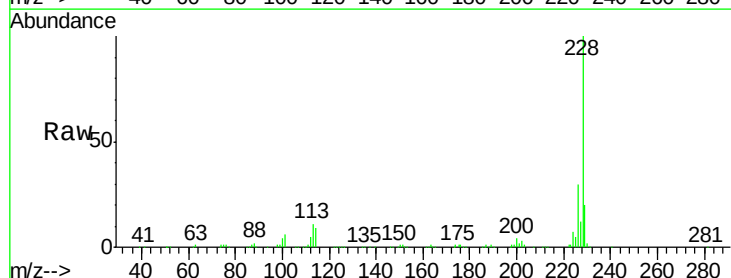
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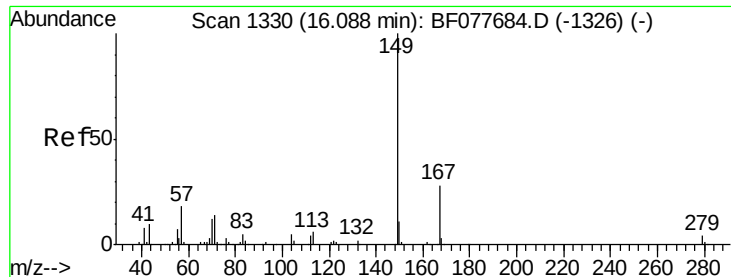
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 3/30/2015 6:31:00 PM



#82  
 Chrysene  
 Concen: 40.40 ng  
 RT: 15.96 min Scan# 1319  
 Delta R.T. -0.00 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 29.9  | 24.1       | 36.1  |
| 229     | 19.6  | 15.5       | 23.3  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.33 ng

RT: 15.99 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

Instrument :

BNA\_F

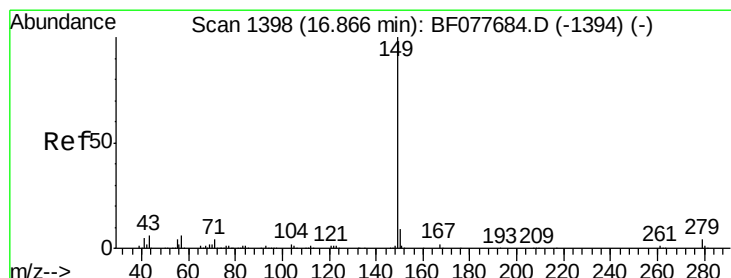
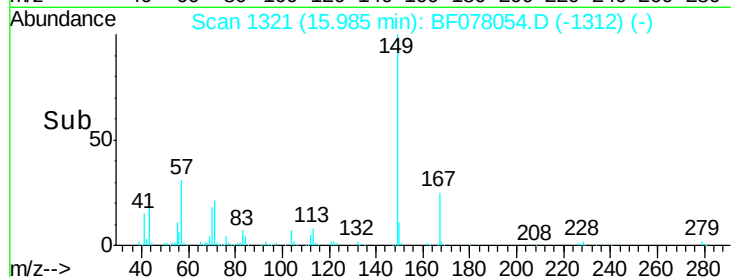
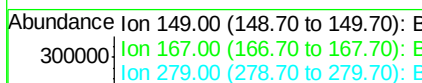
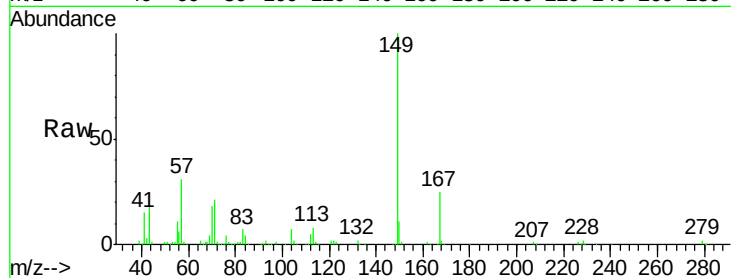
ClientSampleId :

PB82381BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 273363 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 25.3  | 22.4  | 33.6   |
| 279       | 2.5   | 3.4   | 5.0#   |

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#84

Di-n-octyl phthalate

Concen: 42.83 ng

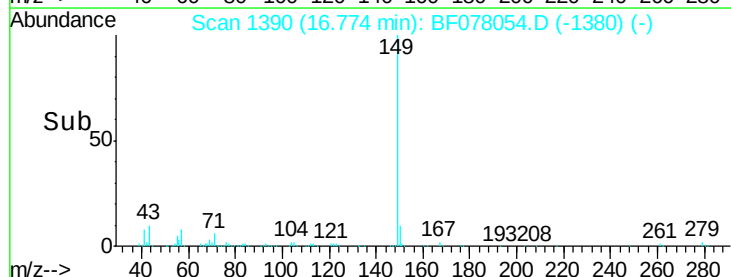
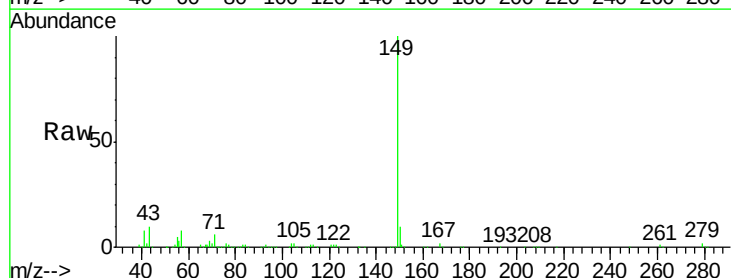
RT: 16.77 min Scan# 1390

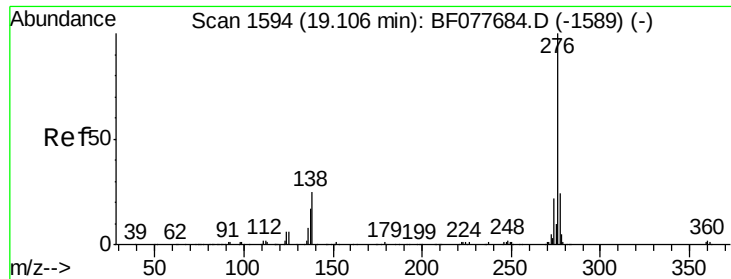
Delta R.T. 0.01 min

Lab File: BF078054.D

Acq: 27 Mar 2015 23:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 472914 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 1.5   | 1.2   | 1.8    |
| 43        | 9.1   | 7.3   | 10.9   |





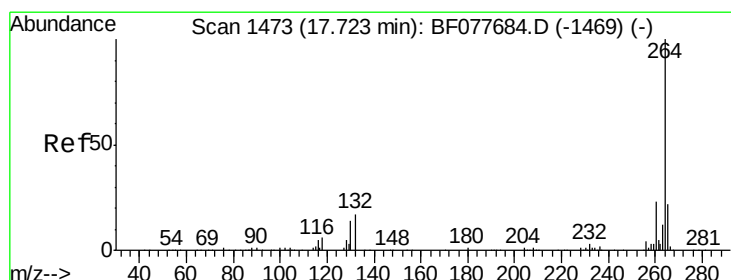
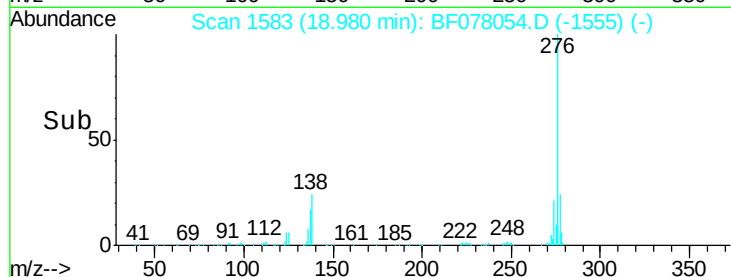
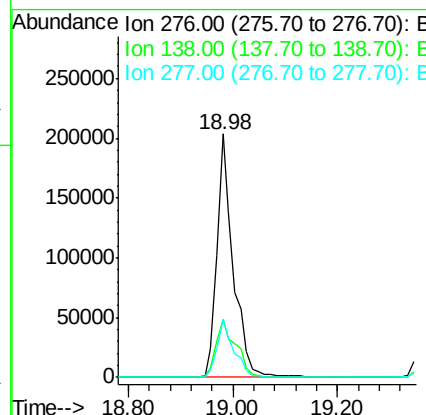
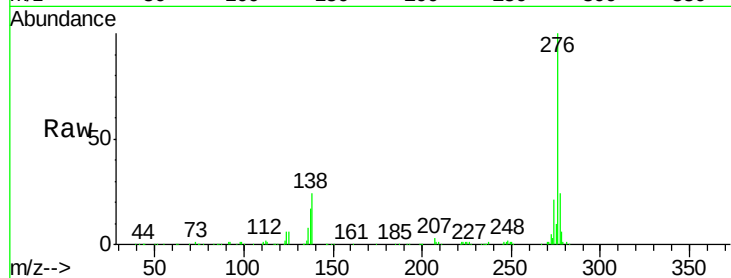
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 38.74 ng  
 RT: 18.98 min Scan# 1583  
 Delta R.T. 0.02 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB82381BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 443211 |       |       |
| 138     | 28.8  | 0.0    | 0.0   | 0.0   |
| 277     | 24.7  | 0.0    | 0.0   | 0.0   |

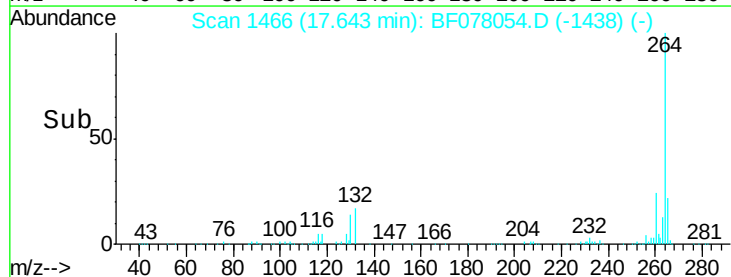
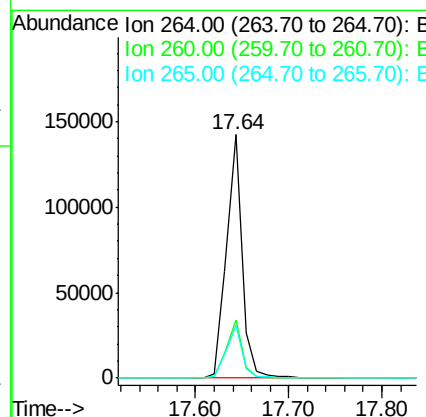
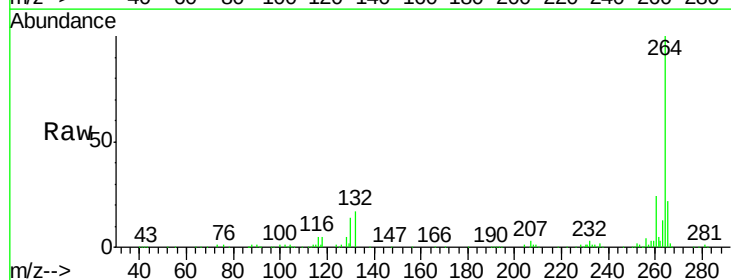
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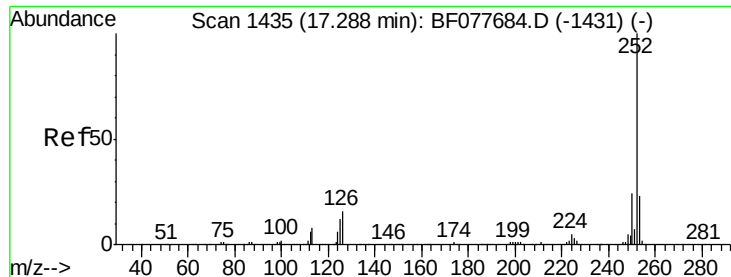
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#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.64 min Scan# 1466  
 Delta R.T. 0.02 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 166047 |       |       |
| 260     | 23.7  | 18.6   | 27.8  |       |
| 265     | 21.7  | 17.3   | 25.9  |       |





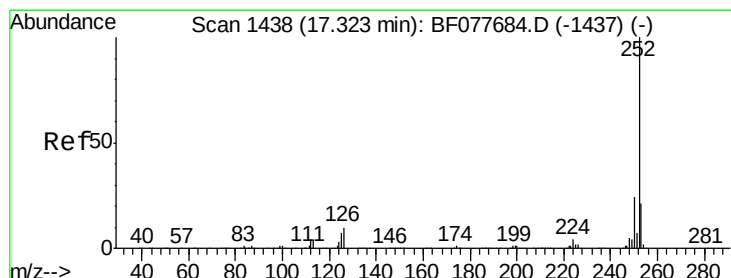
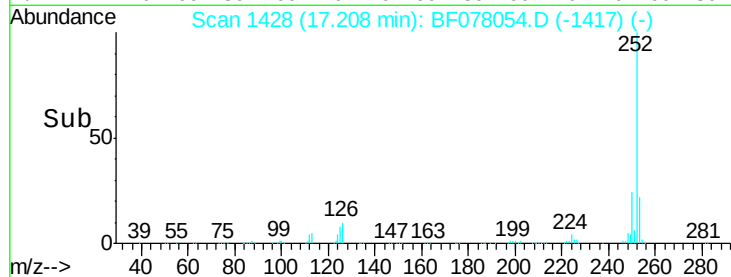
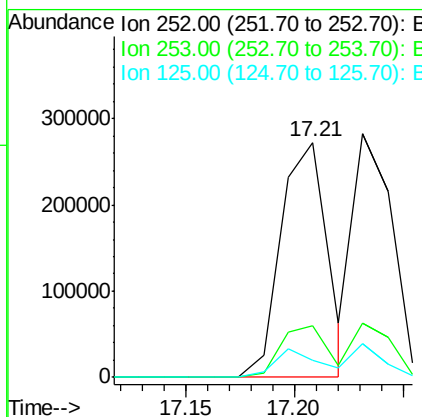
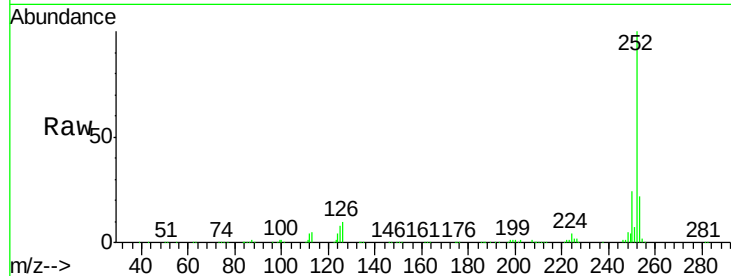
#87  
Benzo(b)fluoranthene  
Concen: 37.46 ng  
RT: 17.21 min Scan# 1428  
Delta R.T. 0.02 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 18.0  | 27.0  |
| 125     | 7.5   | 9.9   | 14.9  |

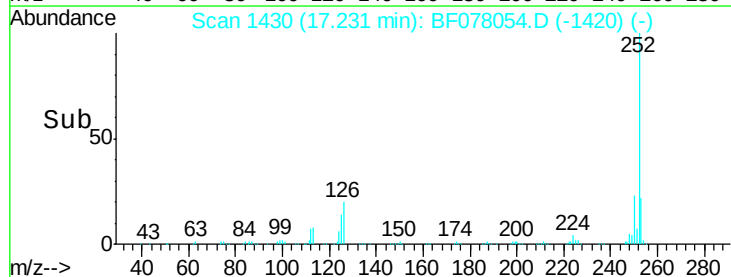
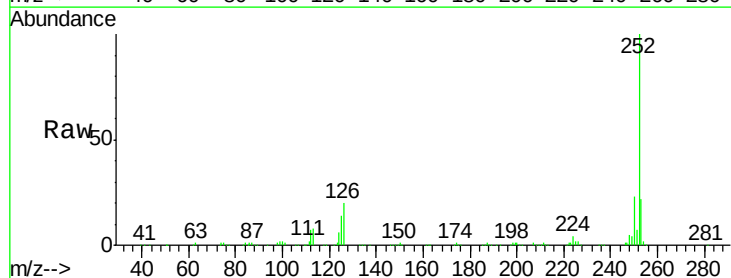
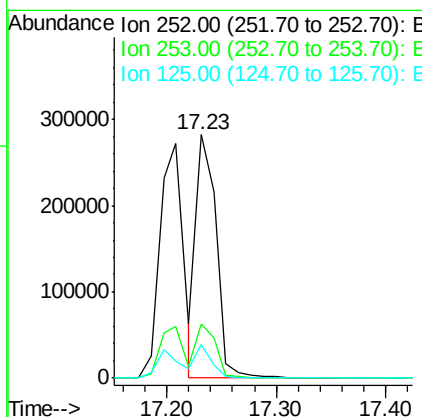
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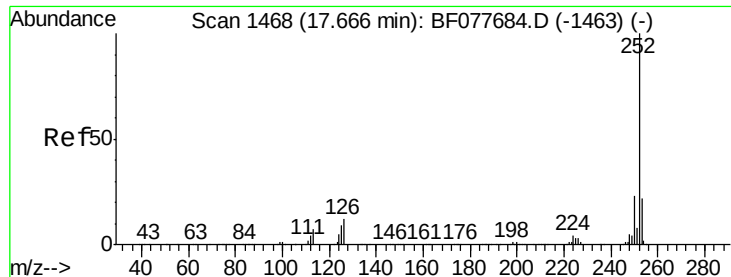


#88  
Benzo(k)fluoranthene  
Concen: 43.15 ng m  
RT: 17.23 min Scan# 1430  
Delta R.T. 0.01 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.2  | 25.8  |
| 125     | 13.8  | 8.1   | 12.1  |







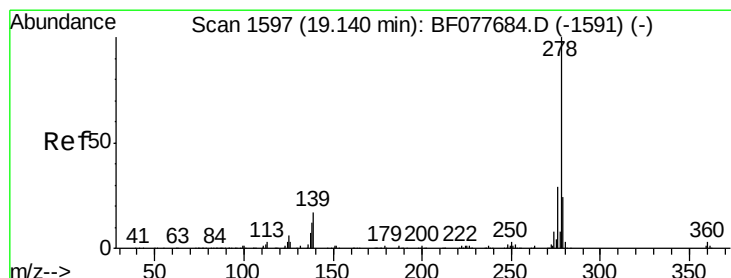
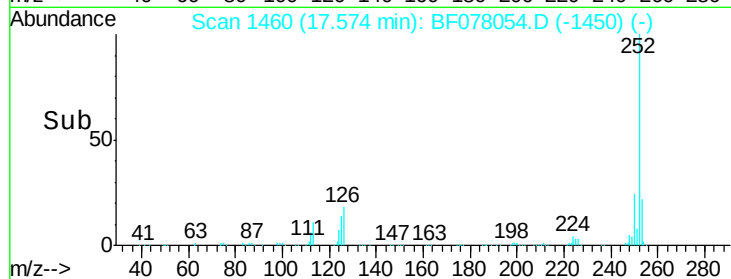
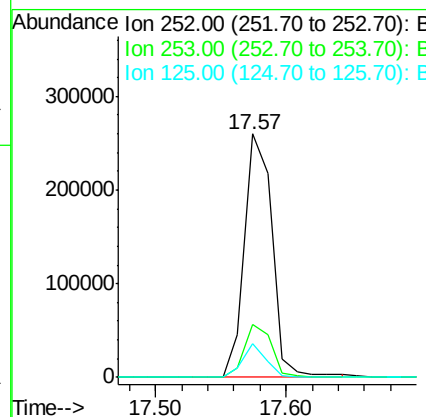
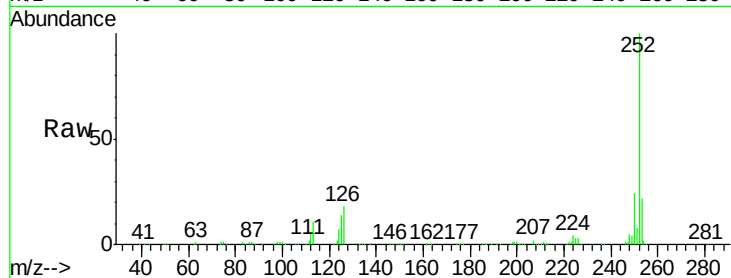
#89  
Benzo(a)pyrene  
Concen: 42.29 ng  
RT: 17.57 min Scan# 1460  
Delta R.T. 0.01 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB82381BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 17.6  | 26.4  |
| 125     | 14.0  | 7.4   | 11.2  |

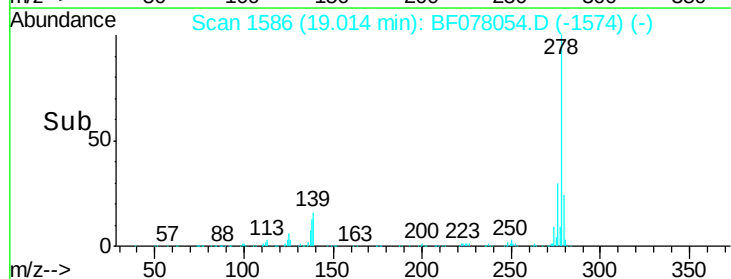
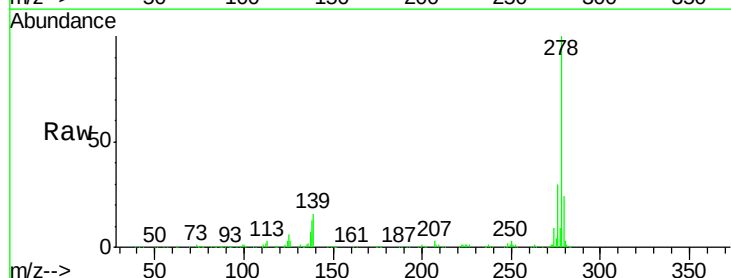
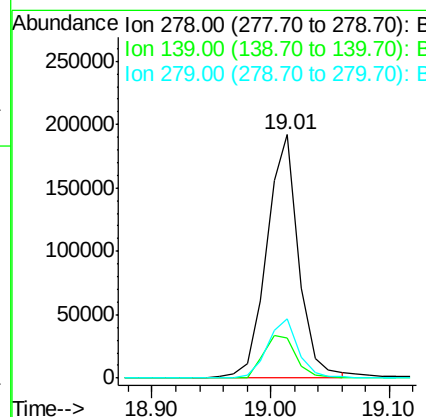
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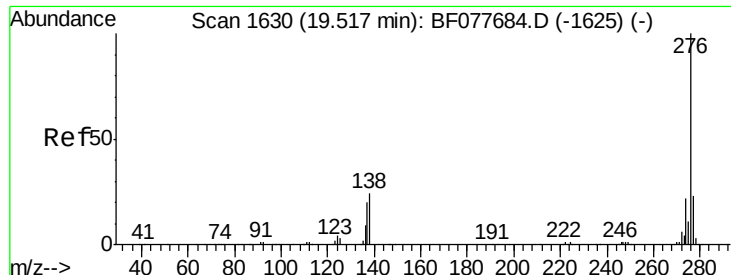
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#90  
Dibenzo(a,h)anthracene  
Concen: 39.88 ng  
RT: 19.01 min Scan# 1586  
Delta R.T. 0.03 min  
Lab File: BF078054.D  
Acq: 27 Mar 2015 23:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.3  | 13.4  | 20.0  |
| 279     | 24.4  | 19.0  | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 39.58 ng  
 RT: 19.38 min Scan# 1618  
 Delta R.T. 0.02 min  
 Lab File: BF078054.D  
 Acq: 27 Mar 2015 23:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB82381BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 361472 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.3  | 18.5  | 27.7   |
| 138       | 22.9  | 19.0  | 28.6   |

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