

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\  
 Data File : BF079227.D  
 Acq On : 14 May 2015 8:12  
 Operator : TP/IZ  
 Sample : G2176-05MSD  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

Manual Integrations  
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 5/14/2015 5:03:25 PM

Quant Time: May 14 09:10:07 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 14 06:50:11 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.23  | 152  | 59920    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.81  | 136  | 249337   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.98 | 164  | 116229   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.82 | 188  | 218683   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 16.13 | 240  | 224211   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 17.90 | 264  | 241732   | 20.00 | ng    | 0.05     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.53  | 112 | 470096 | 135.05 | ng | 0.00 |
| 7) Phenol-d6             | 6.81  | 99  | 539562 | 117.27 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.93  | 82  | 343288 | 79.13  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.97 | 330 | 168337 | 133.88 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 10.16 | 172 | 707534 | 84.81  | ng | 0.00 |
| 78) Terphenyl-d14        | 14.82 | 244 | 759065 | 81.05  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.19 | 88  | 56009m | 37.01 | ng |        |
| 3) Pyridine                    | 2.92 | 79  | 112268 | 25.35 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 2.82 | 42  | 74166m | 39.08 | ng |        |
| 6) Aniline                     | 6.82 | 93  | 108071 | 16.64 | ng | # 1    |
| 8) 2-Chlorophenol              | 6.97 | 128 | 171736 | 43.50 | ng | 91     |
| 9) Benzaldehyde                | 6.68 | 77  | 36222  | 11.69 | ng | 99     |
| 10) Phenol                     | 6.82 | 94  | 203190 | 38.07 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 6.92 | 93  | 165431 | 42.28 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.15 | 146 | 168108 | 37.88 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.26 | 146 | 173712 | 38.04 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.44 | 146 | 167503 | 39.40 | ng | 99     |
| 15) Benzyl Alcohol             | 7.42 | 79  | 134272 | 39.31 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.60 | 45  | 239391 | 39.99 | ng | 97     |
| 17) 2-Methylphenol             | 7.56 | 107 | 136032 | 42.82 | ng | 97     |
| 18) Hexachloroethane           | 7.85 | 117 | 53821  | 34.22 | ng | # 81   |
| 19) n-Nitroso-di-n-propylamine | 7.75 | 70  | 119450 | 38.44 | ng | 91     |
| 20) 3+4-Methylphenols          | 7.76 | 107 | 176887 | 41.78 | ng | # 44   |
| 22) Acetophenone               | 7.75 | 105 | 245515 | 43.58 | ng | # 89   |
| 24) Nitrobenzene               | 7.95 | 77  | 182456 | 42.43 | ng | # 87   |
| 25) Isophorone                 | 8.25 | 82  | 330919 | 41.14 | ng | 95     |
| 26) 2-Nitrophenol              | 8.34 | 139 | 84932  | 47.72 | ng | # 88   |
| 27) 2,4-Dimethylphenol         | 8.41 | 122 | 160349 | 45.02 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 8.52 | 93  | 201903 | 40.72 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.64 | 162 | 146836 | 46.36 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 8.74 | 180 | 144283 | 41.47 | ng | 94     |
| 31) Naphthalene                | 8.83 | 128 | 478708 | 40.29 | ng | 99     |
| 32) Benzoic acid               | 8.52 | 122 | 101001 | 45.63 | ng | 93     |
| 33) 4-Chloroaniline            | 8.91 | 127 | 68844  | 13.69 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.99 | 225 | 77831  | 38.85 | ng | 97     |
| 35) Caprolactam                | 9.35 | 113 | 40182  | 39.23 | ng | # 76   |
| 36) 4-Chloro-3-methylphenol    | 9.52 | 107 | 147447 | 44.32 | ng | 99     |
| 37) 2-Methylnaphthalene        | 9.70 | 142 | 351257 | 42.66 | ng | # 96   |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.91 | 216 | 138891 | 42.43 | ng | # 100  |
| 40) Hexachlorocyclopentadiene  | 9.88 | 237 | 33594  | 20.41 | ng | 99     |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

Manual Integrations  
 APPROVED

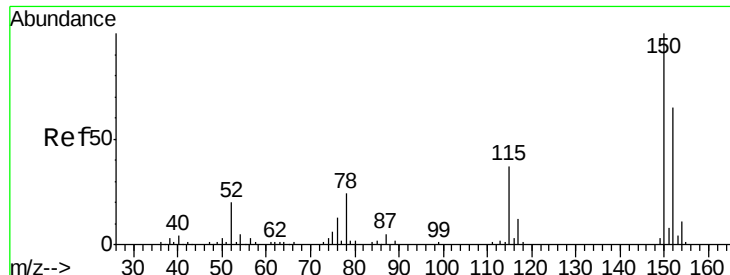
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 5/14/2015 5:03:25 PM

Quant Time: May 14 09:10:07 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 14 06:50:11 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 10.04 | 196  | 99542    | 44.23 | nq    | 92       |
| 43) 2,4,5-Trichlorophenol      | 10.10 | 196  | 107628   | 47.30 | nq #  | 86       |
| 45) 1,1'-Biphenyl              | 10.27 | 154  | 400829   | 43.38 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 10.30 | 162  | 307248   | 42.63 | nq    | 100      |
| 47) 2-Nitroaniline             | 10.43 | 65   | 98077    | 46.97 | nq #  | 73       |
| 48) Acenaphthylene             | 10.81 | 152  | 526956   | 44.53 | nq    | 100      |
| 49) Dimethylphthalate          | 10.66 | 163  | 380729   | 44.63 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 10.74 | 165  | 83530    | 49.62 | nq #  | 72       |
| 51) Acenaphthene               | 11.03 | 154  | 302937   | 42.93 | nq    | 98       |
| 52) 3-Nitroaniline             | 10.94 | 138  | 58060    | 27.61 | nq    | 82       |
| 53) 2,4-Dinitrophenol          | 11.08 | 184  | 25275    | 48.67 | nq #  | 71       |
| 54) Dibenzofuran               | 11.24 | 168  | 463145   | 45.44 | nq    | 95       |
| 55) 4-Nitrophenol              | 11.16 | 139  | 147030   | 88.34 | nq    | 91       |
| 56) 2,4-Dinitrotoluene         | 11.23 | 165  | 104273   | 46.85 | nq    | 91       |
| 57) Fluorene                   | 11.67 | 166  | 376052   | 44.95 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.39 | 232  | 86677    | 46.62 | nq #  | 100      |
| 59) Diethylphthalate           | 11.54 | 149  | 365648   | 43.27 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 11.68 | 204  | 163607   | 44.08 | nq #  | 88       |
| 61) 4-Nitroaniline             | 11.70 | 138  | 86437    | 41.09 | nq #  | 78       |
| 62) Azobenzene                 | 11.87 | 77   | 360842   | 43.33 | nq    | 89       |
| 64) 4,6-Dinitro-2-methylphenol | 11.74 | 198  | 24094    | 30.98 | nq    | 96       |
| 65) n-Nitrosodiphenylamine     | 11.83 | 169  | 318350   | 43.71 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 12.29 | 248  | 104204   | 45.72 | nq #  | 87       |
| 67) Hexachlorobenzene          | 12.34 | 284  | 115273   | 44.25 | nq #  | 86       |
| 68) Atrazine                   | 12.50 | 200  | 99768    | 47.11 | nq    | 94       |
| 69) Pentachlorophenol          | 12.59 | 266  | 124064   | 81.27 | nq    | 97       |
| 70) Phenanthrene               | 12.86 | 178  | 525865   | 42.98 | nq    | 99       |
| 71) Anthracene                 | 12.93 | 178  | 545940   | 45.49 | nq    | 99       |
| 72) Carbazole                  | 13.13 | 167  | 543414   | 47.50 | nq    | 98       |
| 73) Di-n-butylphthalate        | 13.58 | 149  | 644806   | 47.00 | nq #  | 98       |
| 74) Fluoranthene               | 14.33 | 202  | 581935   | 45.65 | nq    | 99       |
| 76) Benzidine                  | 14.51 | 184  | 156373   | 25.88 | nq    | 96       |
| 77) Pyrene                     | 14.62 | 202  | 618297   | 47.86 | nq    | 100      |
| 79) Butylbenzylphthalate       | 15.44 | 149  | 278102   | 49.24 | nq    | 92       |
| 80) Benzo(a)anthracene         | 16.11 | 228  | 565815   | 46.08 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 16.09 | 252  | 184769   | 42.25 | nq #  | 97       |
| 82) Chrysene                   | 16.16 | 228  | 518689   | 43.92 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 16.17 | 149  | 411451   | 48.10 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 16.98 | 149  | 734228   | 48.73 | nq #  | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 19.34 | 276  | 672029   | 44.66 | nq #  | 100      |
| 87) Benzo(b)fluoranthene       | 17.44 | 252  | 690139   | 52.16 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 17.47 | 252  | 478609m  | 37.37 | nq    |          |
| 89) Benzo(a)pyrene             | 17.83 | 252  | 568867   | 46.69 | nq #  | 95       |
| 90) Dibenzo(a,h)anthracene     | 19.36 | 278  | 565053   | 43.64 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 19.76 | 276  | 535011   | 41.23 | nq    | 96       |

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





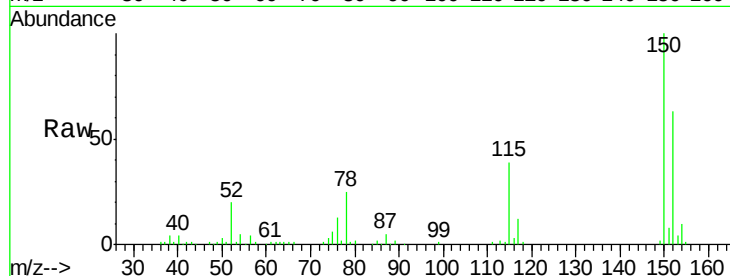
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 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.23 min Scan# 529  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

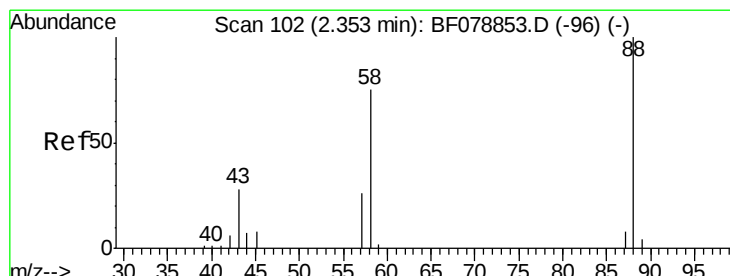
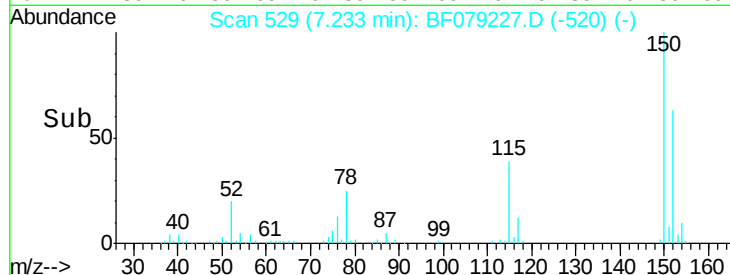
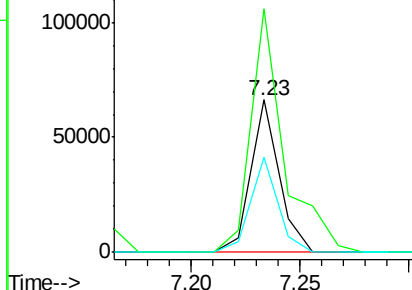
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 59920 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 159.6 | 122.0 | 183.0 |
| 115       | 62.8  | 46.3  | 69.5  |

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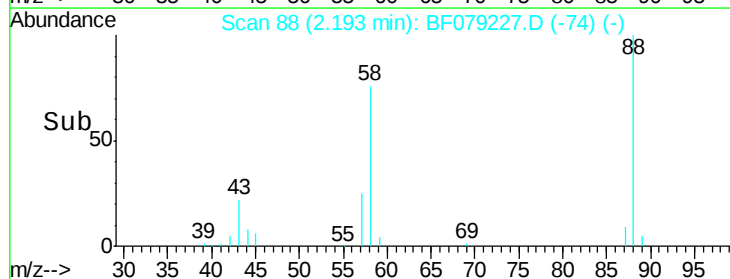
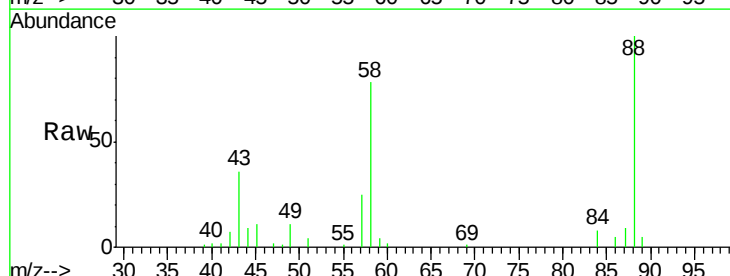
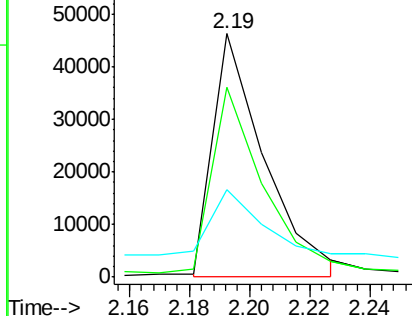
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 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

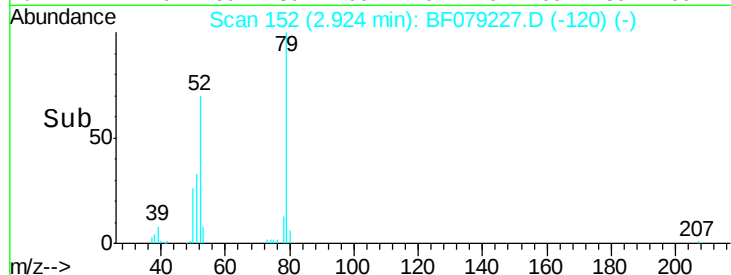
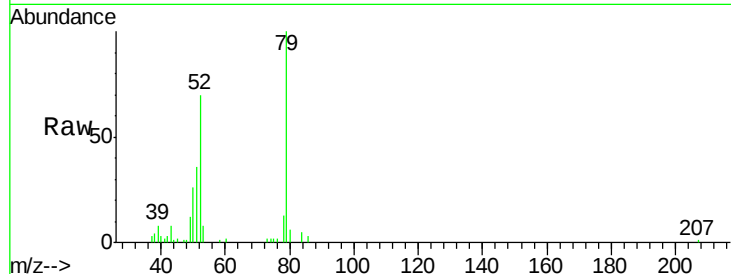


#2  
 1,4-Dioxane  
 Concen: 37.01 ng m  
 RT: 2.19 min Scan# 88  
 Delta R.T. 0.06 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 56009 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 0.0   | 0.0   | 0.0   |
| 43        | 0.0   | 3.3   | 4.9#  |

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





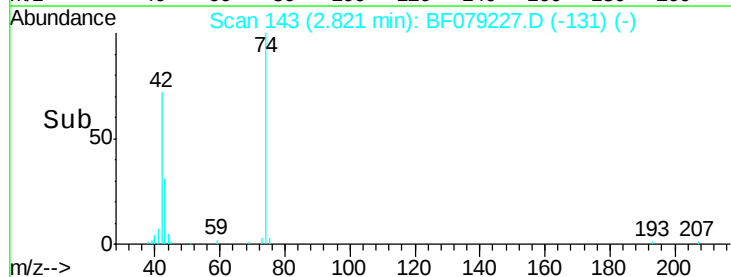
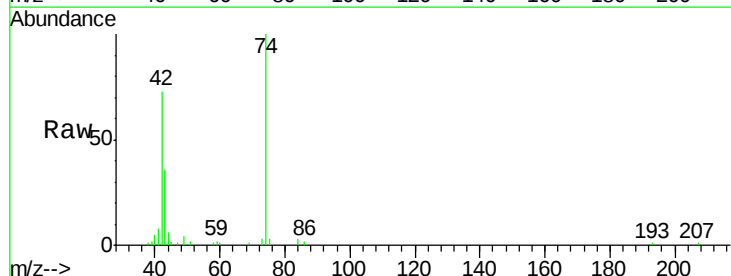
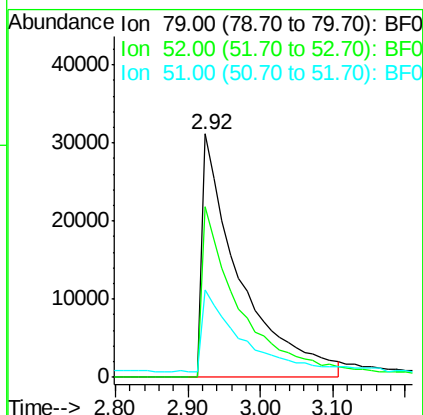
#3  
 Pvridine  
 Concen: 25.35 ng  
 RT: 2.92 min Scan# 152  
 Delta R.T. 0.07 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 79      | 79  | 100   |      |       |       |
| 52      | 52  | 70.2  |      | 57.2  | 85.8  |
| 51      | 51  | 36.1  |      | 28.9  | 43.3  |

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

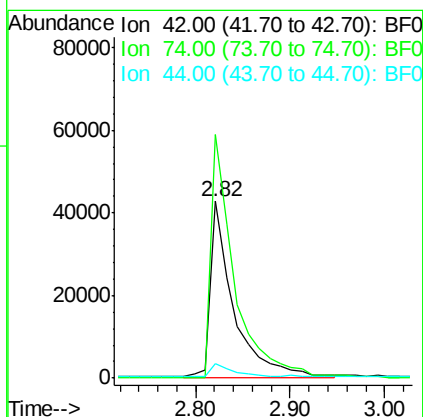
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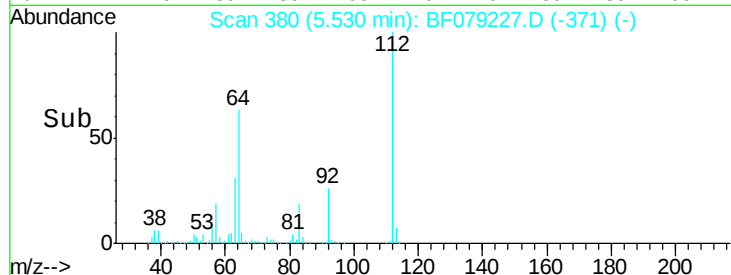
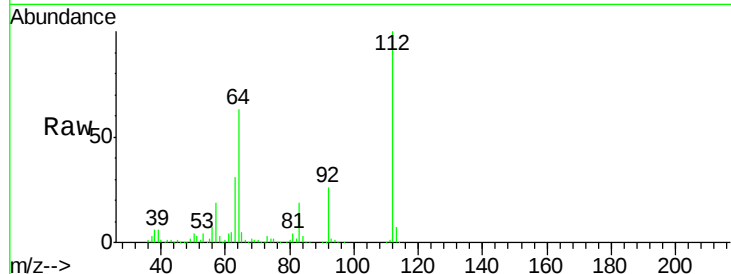
apatel  
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#4  
 n-Nitrosodimethylamine  
 Concen: 39.08 ng m  
 RT: 2.82 min Scan# 143  
 Delta R.T. 0.03 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 42      | 42  | 100   |      |       |       |
| 74      | 74  | 137.7 |      | 96.5  | 144.7 |
| 44      | 44  | 8.4   |      | 6.1   | 9.1   |





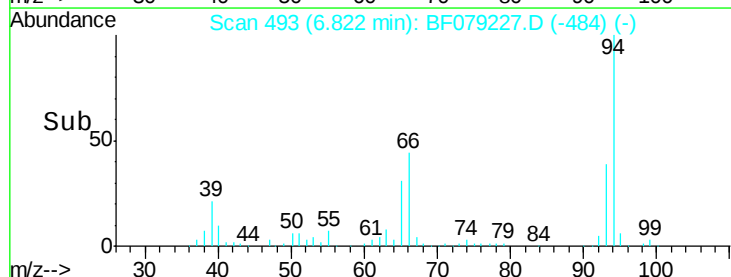
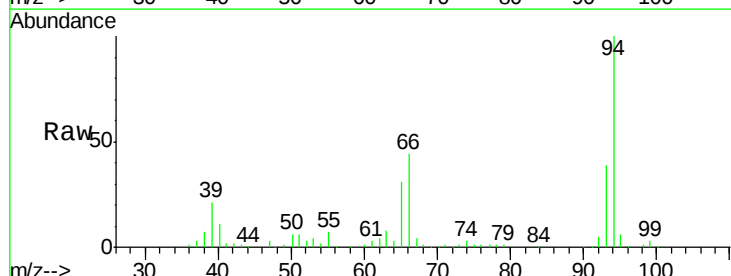
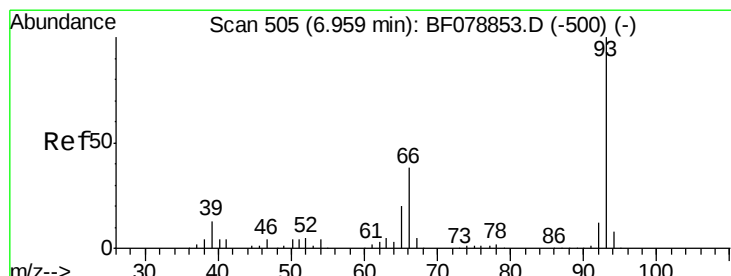
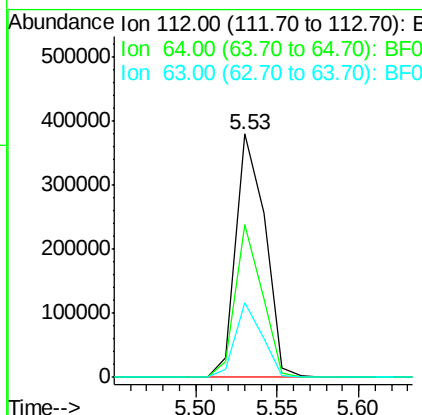
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2-Fluorophenol  
Concen: 135.05 ng  
RT: 5.53 min Scan# 380  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 470096 |       |       |
| 64      | 62.6  | 53.5   | 80.3  |       |
| 63      | 30.8  | 27.5   | 41.3  |       |

Instrument :  
BNA\_F  
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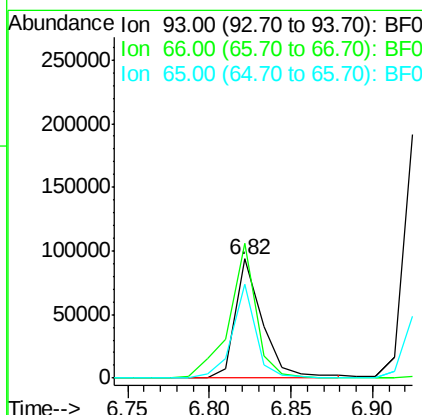
Manual Integrations  
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#6  
Aniline  
Concen: 16.64 ng  
RT: 6.82 min Scan# 493  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 108071 |       |       |
| 66      | 112.8 | 29.7   | 44.5# |       |
| 65      | 79.3  | 14.6   | 22.0# |       |





#7

Phenol-d6

Concen: 117.27 ng

RT: 6.81 min Scan# 492

Delta R.T. 0.01 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

Instrument :

BNA\_F

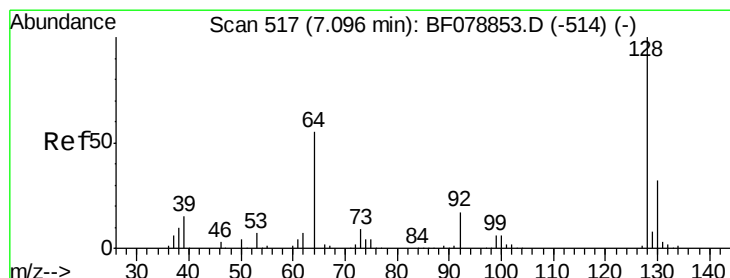
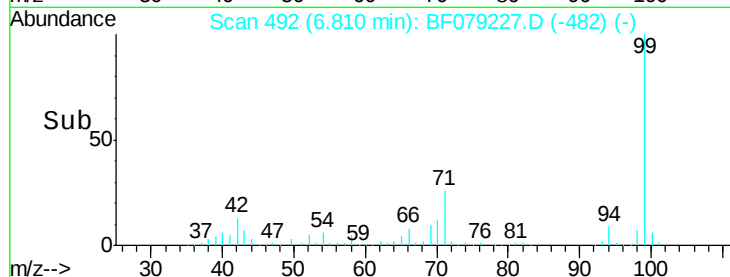
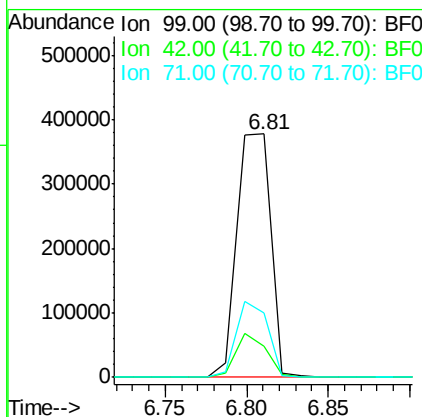
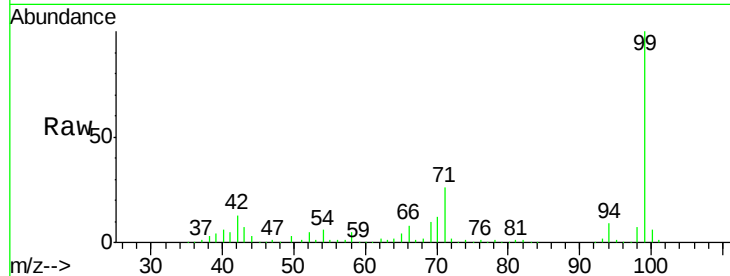
ClientSampleId :

PS-31(0-10)MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 99   | Resp: | 539562 |
| Ion Ratio |      | Lower | Upper  |
| 99        | 100  |       |        |
| 42        | 12.7 | 12.8  | 19.2#  |
| 71        | 26.4 | 23.4  | 35.2   |

Manual Integrations  
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5/14/2015 5:03:25 PM



#8

2-Chlorophenol

Concen: 43.50 ng

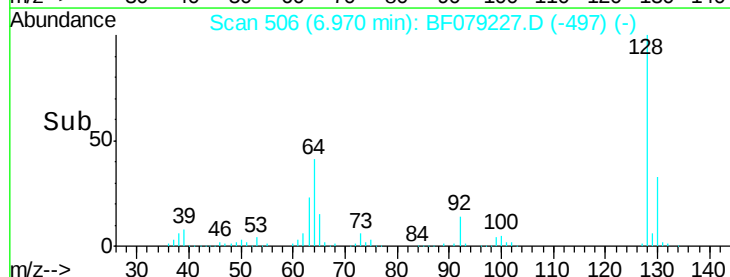
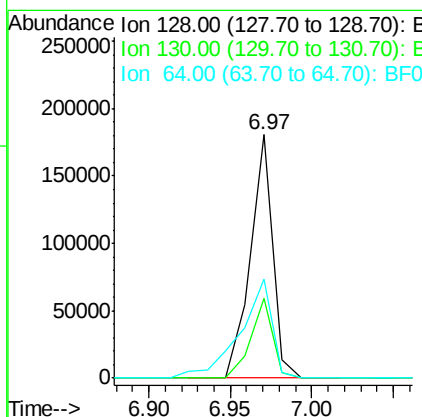
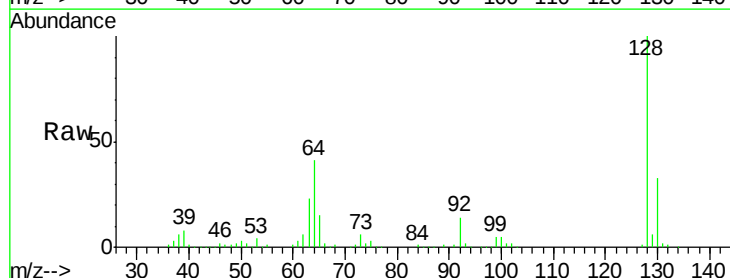
RT: 6.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 128  | Resp: | 171736 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 130       | 32.9 | 12.1  | 52.1   |
| 64        | 40.6 | 29.6  | 69.6   |





#9

Benzaldehyde

Concen: 11.69 ng

RT: 6.68 min Scan# 481

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

Instrument :

BNA\_F

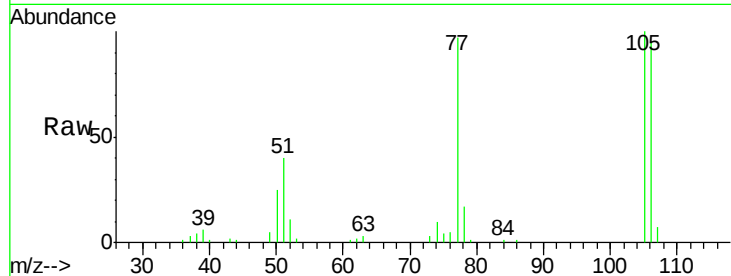
ClientSampleId :

PS-31(0-10)MSD

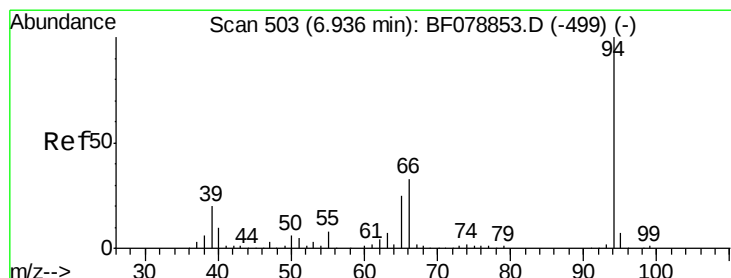
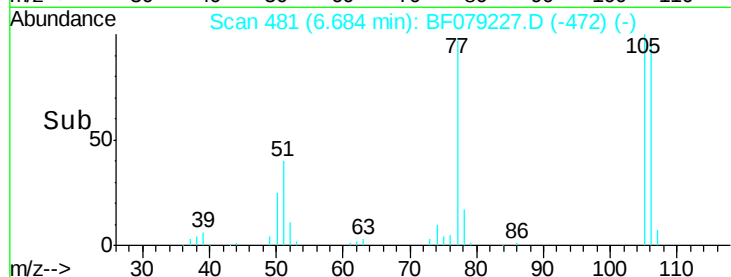
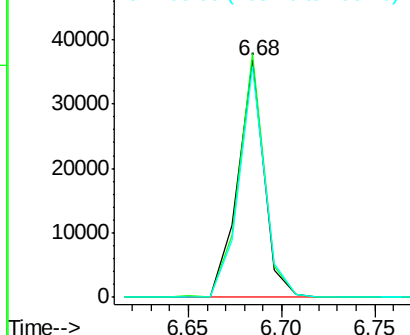
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 77    | Resp: | 36222 |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 105       | 102.7 | 81.7  | 121.7 |
| 106       | 97.4  | 79.0  | 119.0 |

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Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 105.00 (104.70 to 105.70): E  
Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 38.07 ng

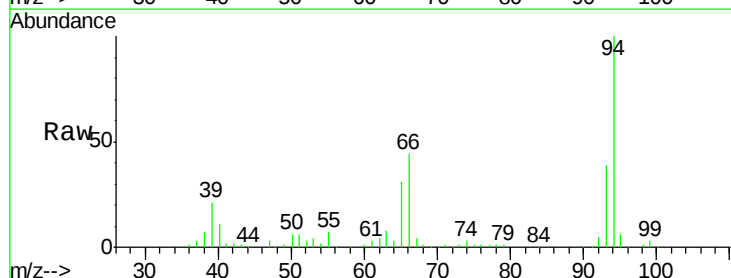
RT: 6.82 min Scan# 493

Delta R.T. 0.00 min

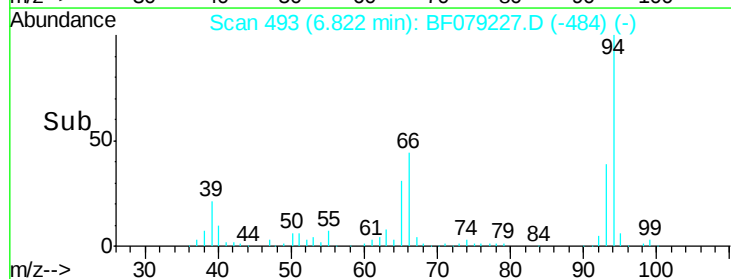
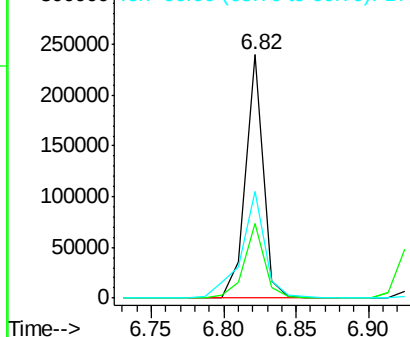
Lab File: BF079227.D

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 203190 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 30.9  | 8.5   | 48.5   |
| 66        | 44.0  | 16.0  | 56.0   |



Abundance Ion 94.00 (93.70 to 94.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0





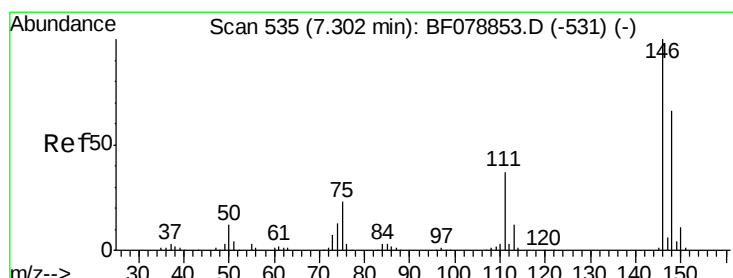
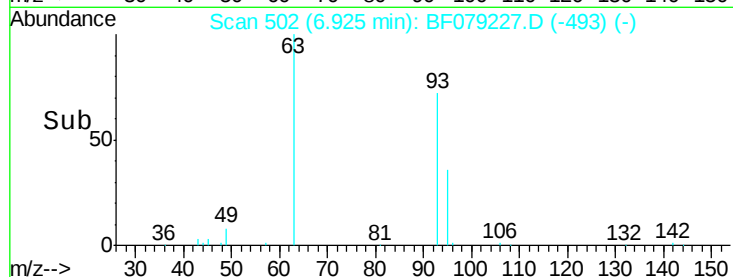
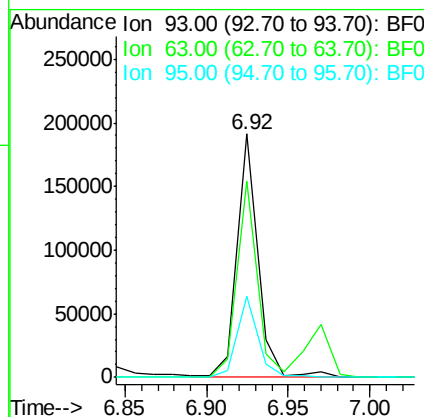
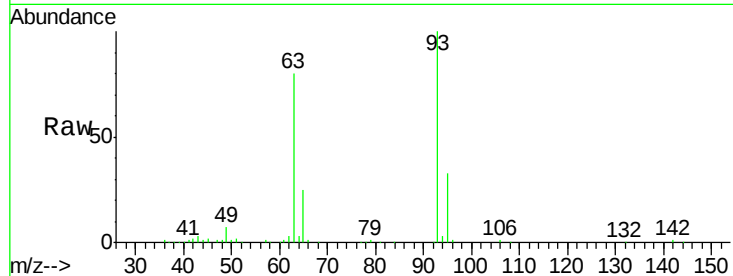
#11  
bis(2-Chloroethyl)ether  
Concen: 42.28 ng  
RT: 6.92 min Scan# 502  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 165431 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 80.4  | 64.8  | 104.8  |
| 95        | 33.2  | 12.4  | 52.4   |

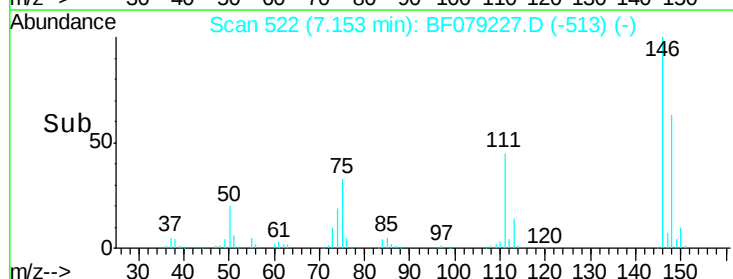
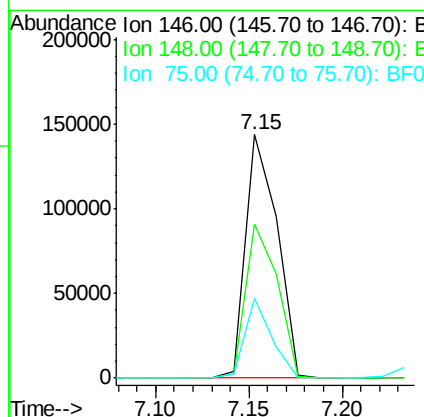
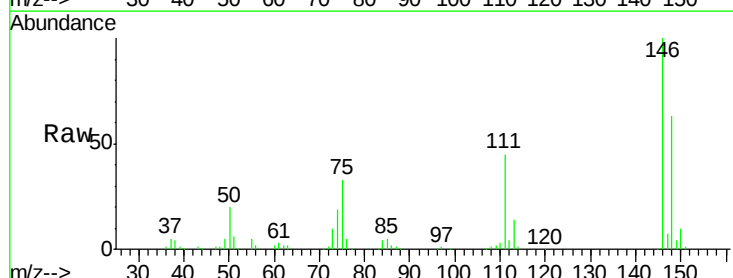
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#12  
1,3-Dichlorobenzene  
Concen: 37.88 ng  
RT: 7.15 min Scan# 522  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 168108 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.5  | 50.2  | 75.2   |
| 75        | 32.8  | 29.2  | 43.8   |





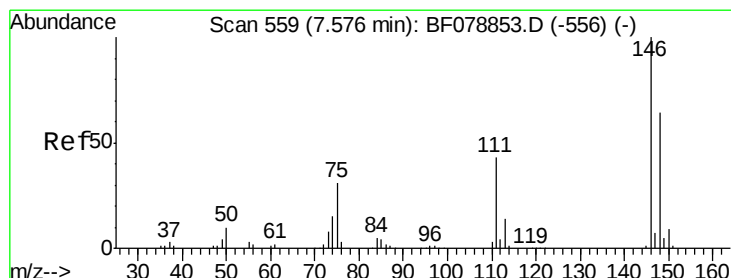
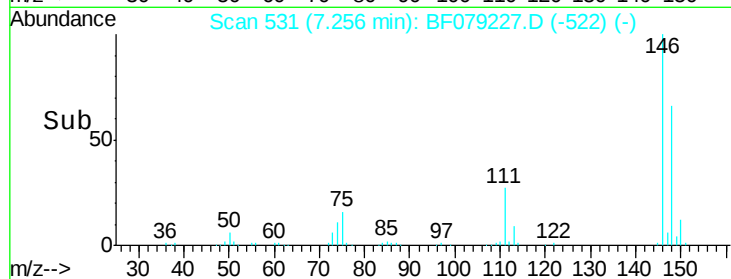
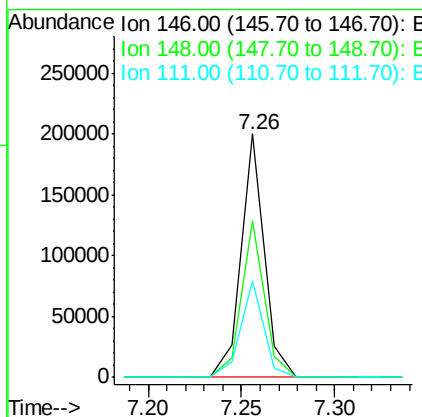
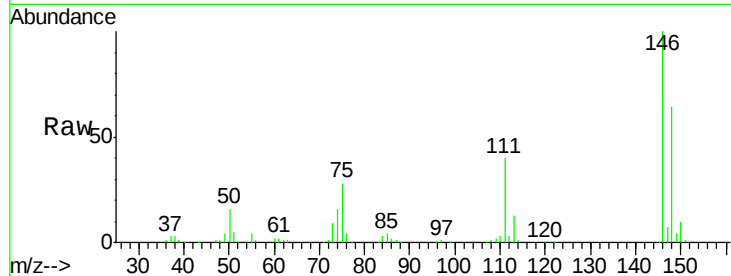
#13  
 1,4-Dichlorobenzene  
 Concen: 38.04 ng  
 RT: 7.26 min Scan# 531  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 173712 |       |       |
| 148     | 64.2  | 52.8   | 79.2  |       |
| 111     | 39.9  | 31.7   | 47.5  |       |

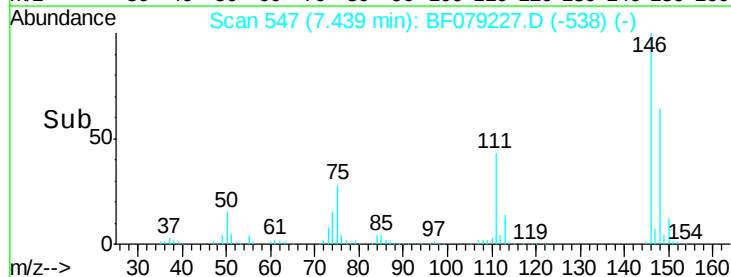
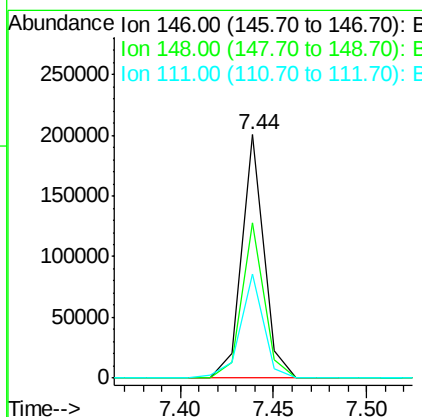
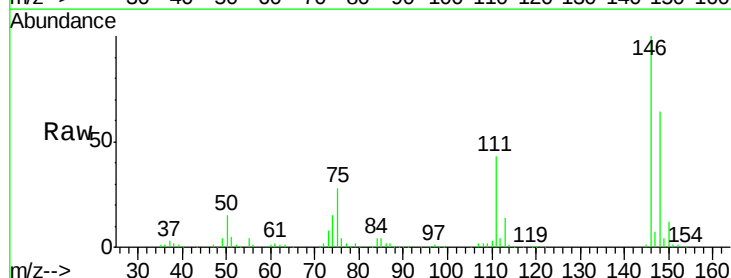
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#14  
 1,2-Dichlorobenzene  
 Concen: 39.40 ng  
 RT: 7.44 min Scan# 547  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 167503 |       |       |
| 148     | 63.9  | 51.2   | 76.8  |       |
| 111     | 42.6  | 33.3   | 49.9  |       |





#15

Benzyl Alcohol

Concen: 39.31 ng

RT: 7.42 min Scan# 545

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

Instrument :

BNA\_F

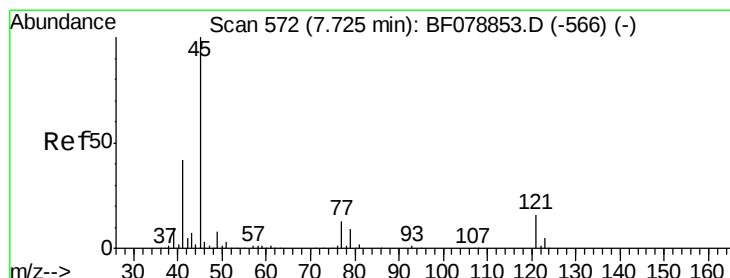
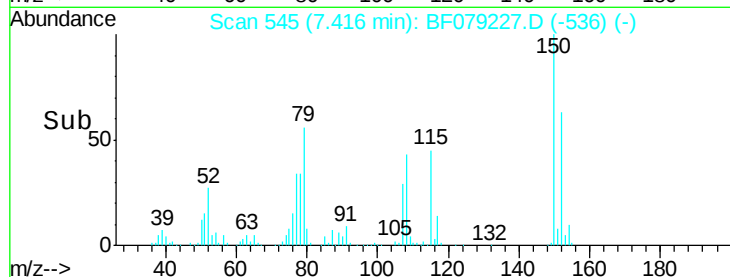
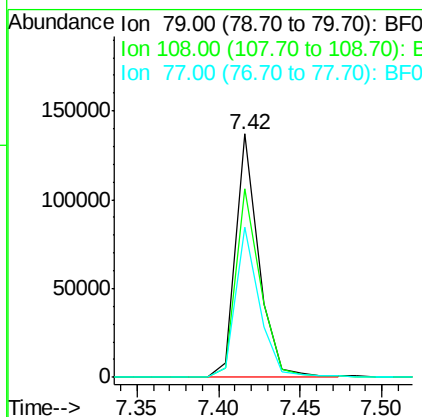
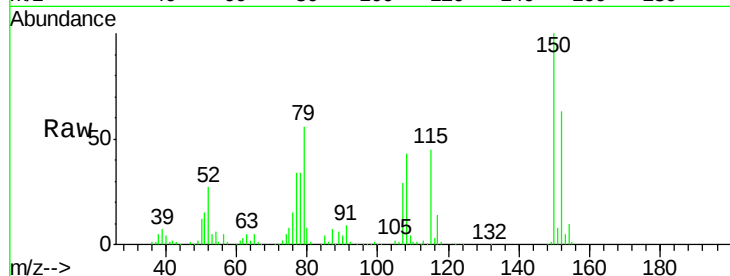
ClientSampleId :

PS-31(0-10)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 134272 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 77.3  | 62.5  | 93.7   |
| 77        | 61.8  | 52.2  | 78.4   |

Manual Integrations  
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#16

2,2'-oxybis(1-chloropropane)

Concen: 39.99 ng

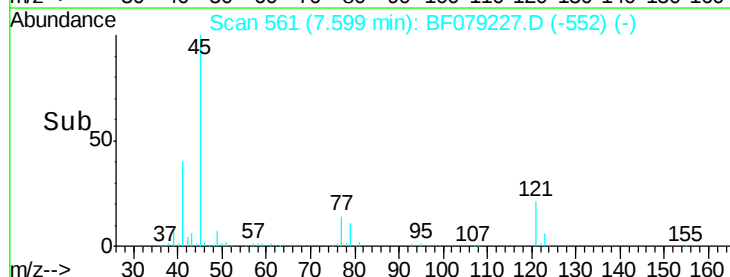
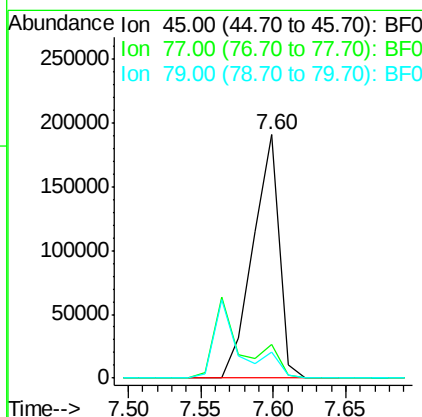
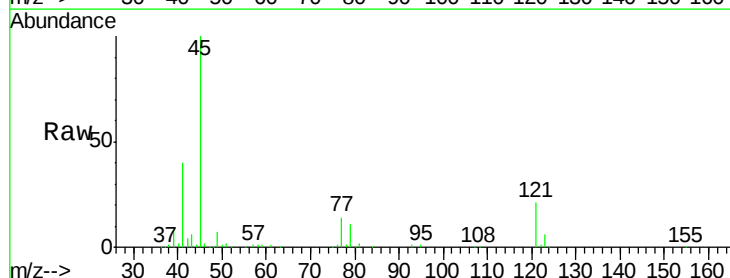
RT: 7.60 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 239391 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 13.8  | 0.0   | 32.3   |
| 79        | 10.8  | 0.0   | 30.1   |





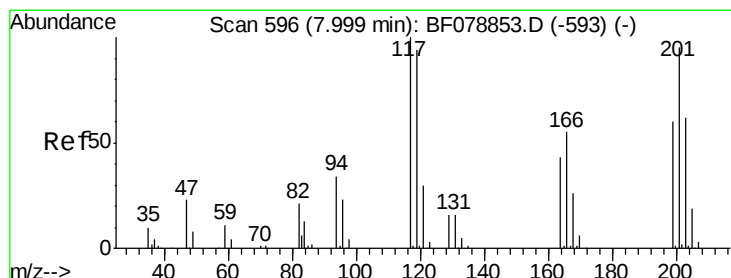
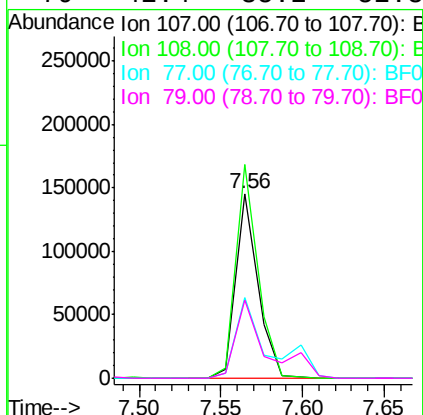
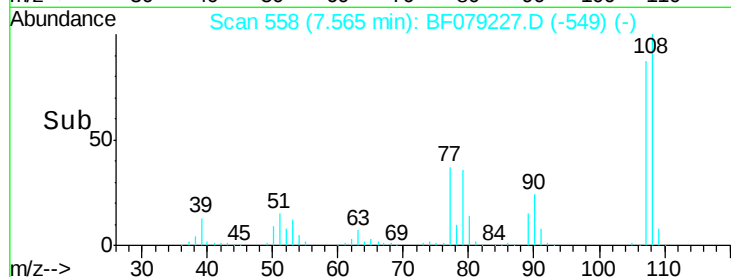
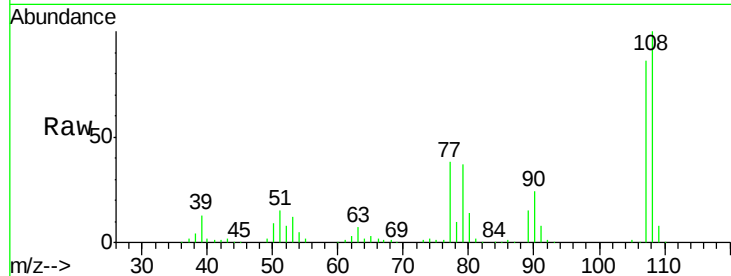
#17  
2-Methylphenol  
Concen: 42.82 ng  
RT: 7.56 min Scan# 558  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 115.6 | 94.9 | 142.3 |       |
| 77      | 43.7  | 36.2 | 54.4  |       |
| 79      | 42.4  | 35.2 | 52.8  |       |

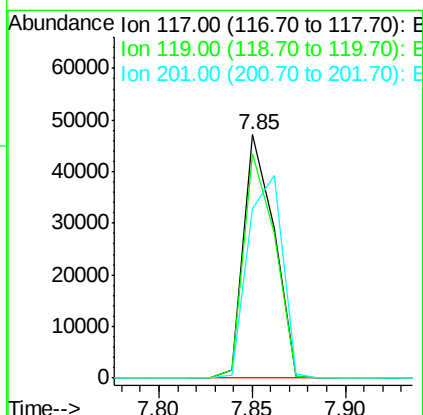
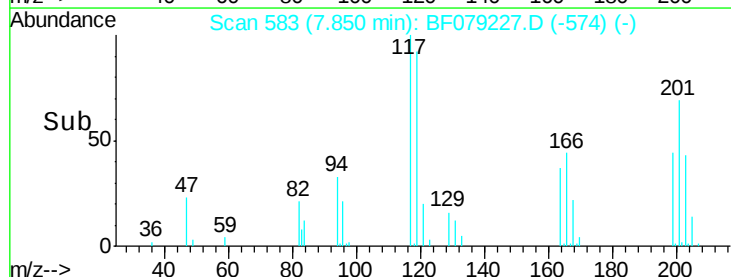
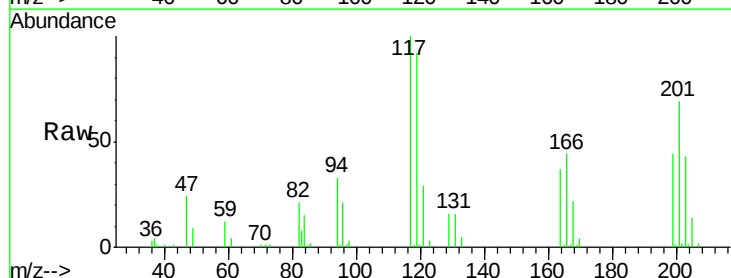
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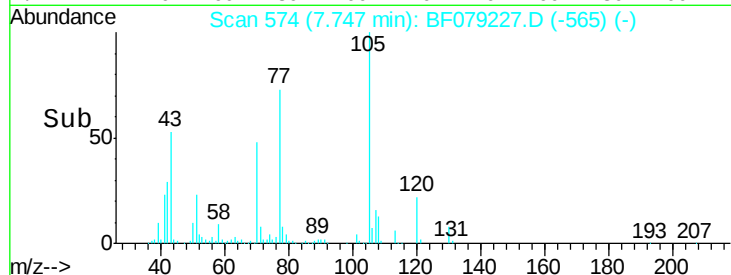
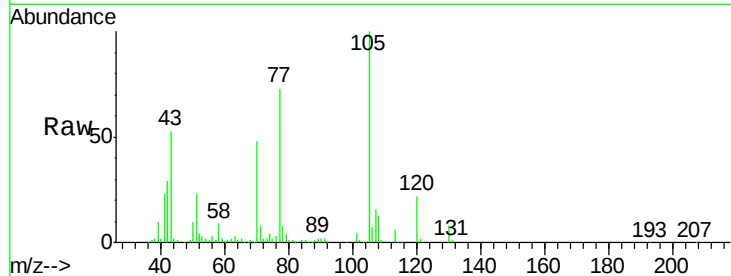
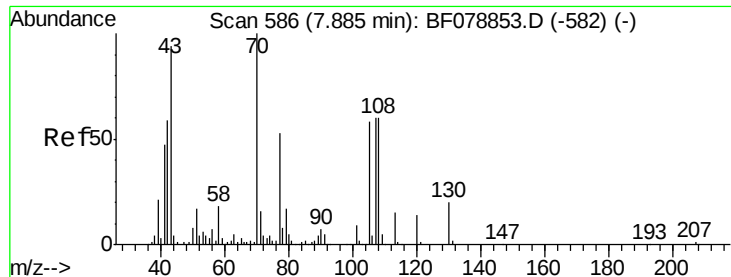
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#18  
Hexachloroethane  
Concen: 34.22 ng  
RT: 7.85 min Scan# 583  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 92.2  | 75.4 | 113.0 |       |
| 201     | 69.3  | 83.2 | 124.8 |       |





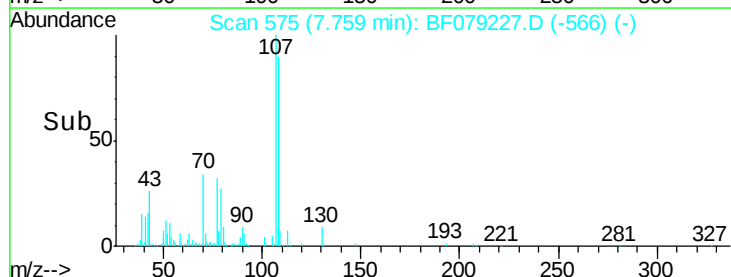
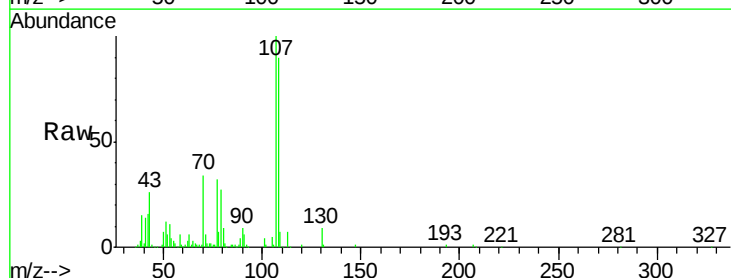
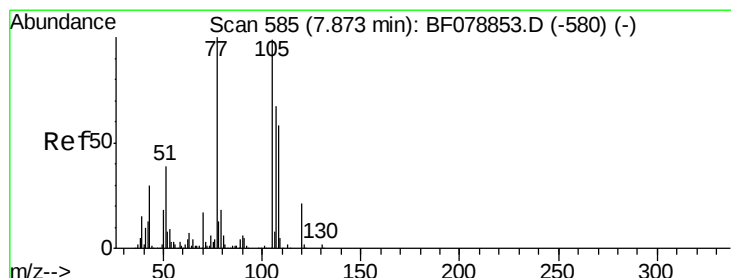
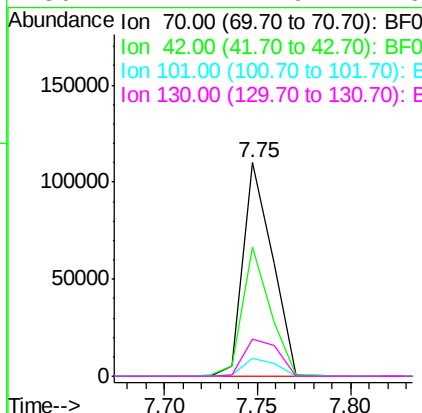
#19  
n-Nitroso-di-n-propylamine  
Concen: 38.44 ng  
RT: 7.75 min Scan# 574  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 70      | 100  |       |      |       |       |
| 42      | 60.5 | 55.4  | 83.0 |       |       |
| 101     | 8.5  | 6.6   | 10.0 |       |       |
| 130     | 17.4 | 11.9  | 17.9 |       |       |

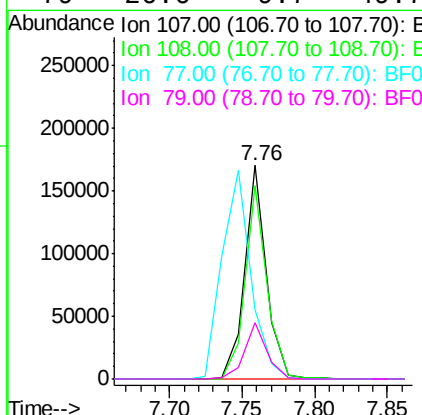
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#20  
3+4-Methylphenols  
Concen: 41.78 ng  
RT: 7.76 min Scan# 575  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       |        |       |       |
| 108     | 90.5 | 76.9  | 116.9  |       |       |
| 77      | 32.3 | 136.8 | 176.8# |       |       |
| 79      | 26.6 | 9.7   | 49.7   |       |       |





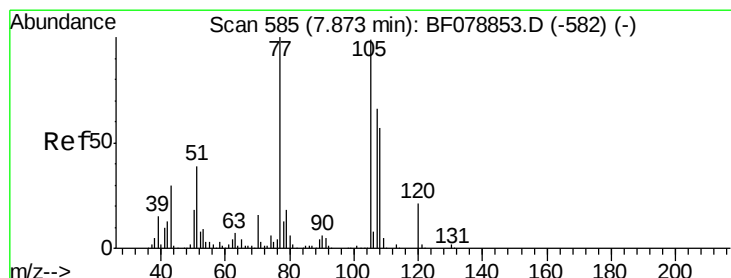
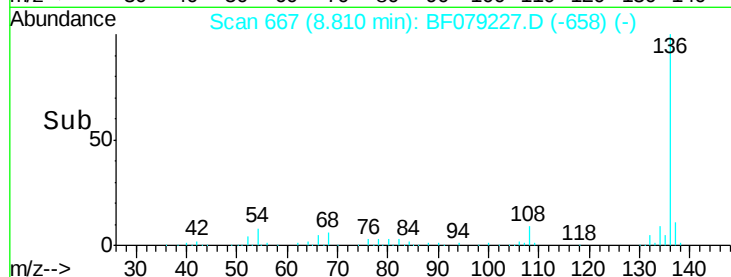
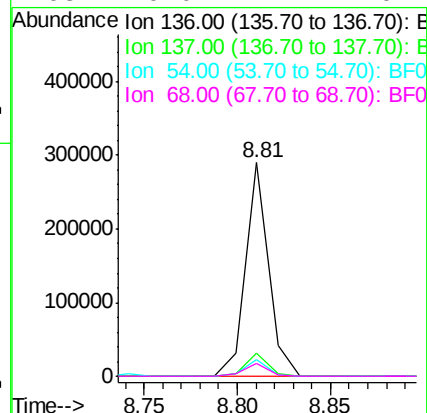
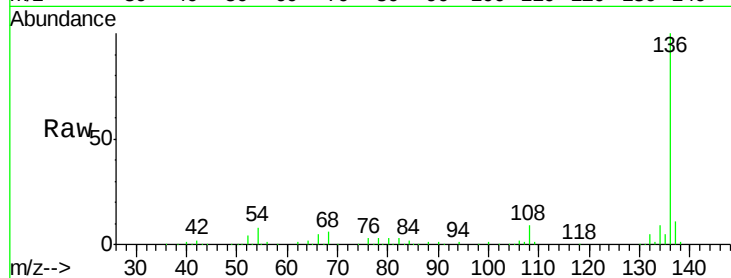
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.81 min Scan# 667  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 249337 |       |       |
| 137     | 10.9  | 8.7    | 13.1  |       |
| 54      | 7.9   | 5.8    | 8.8   |       |
| 68      | 6.0   | 4.2    | 6.4   |       |

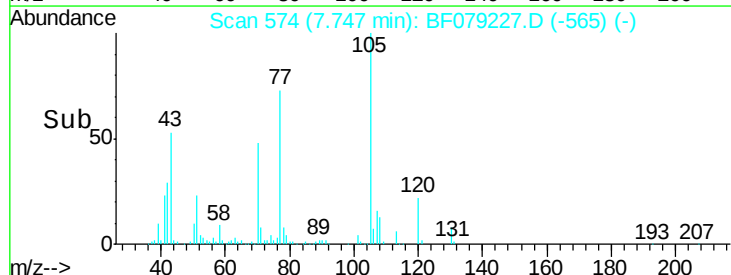
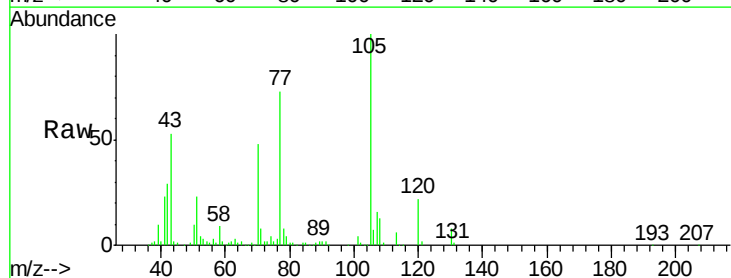
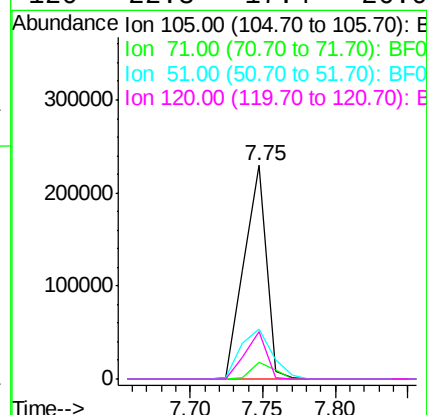
Manual Integrations  
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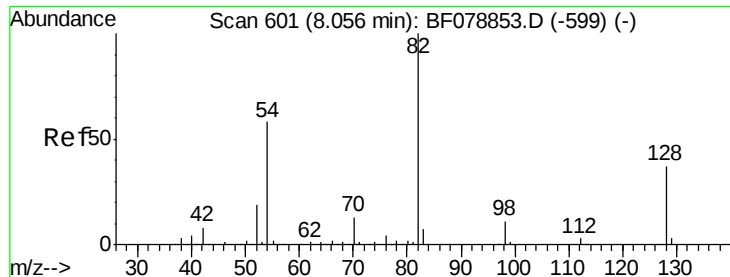
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#22  
Acetophenone  
Concen: 43.58 ng  
RT: 7.75 min Scan# 574  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 245515 |       |       |
| 71      | 8.0   | 4.6    | 6.8#  |       |
| 51      | 23.4  | 26.7   | 40.1# |       |
| 120     | 22.3  | 17.4   | 26.0  |       |





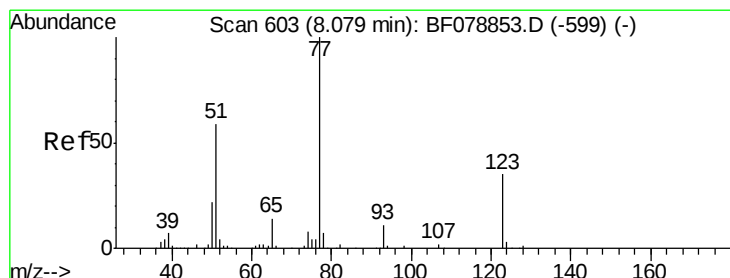
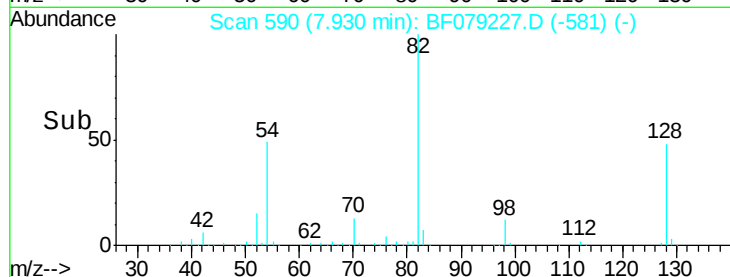
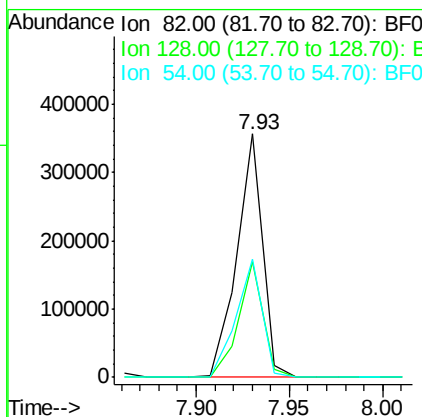
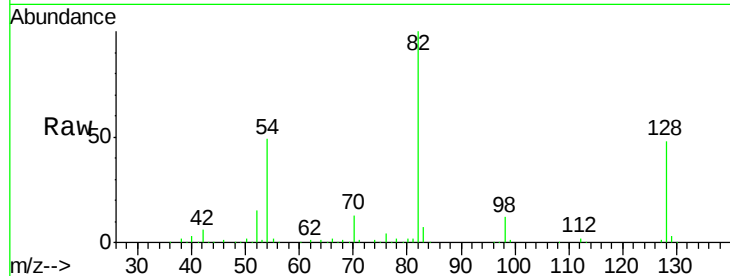
#23  
Nitrobenzene-d5  
Concen: 79.13 ng  
RT: 7.93 min Scan# 590  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 47.6  | 30.0 | 45.0# |       |
| 54      | 48.5  | 46.4 | 69.6  |       |

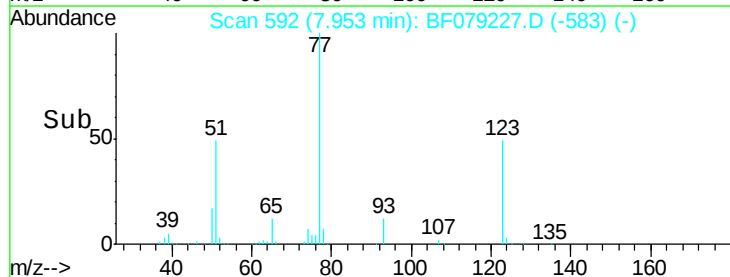
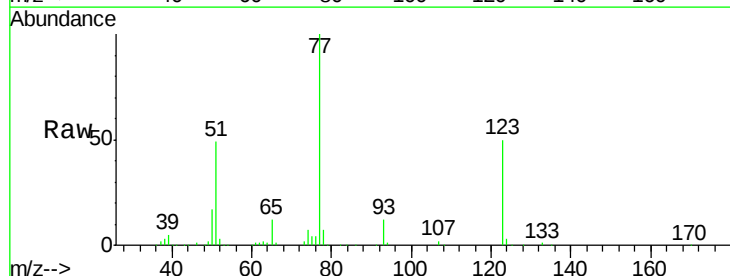
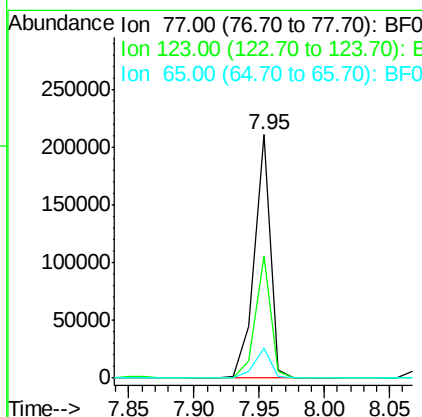
Manual Integrations  
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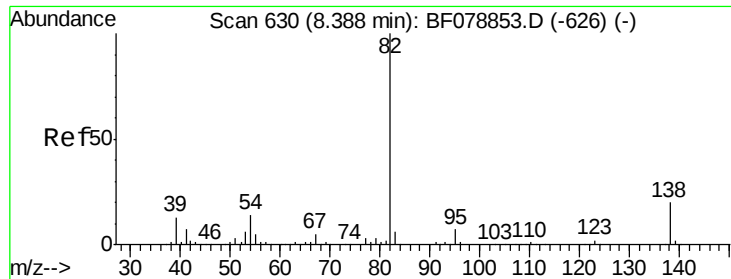
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5/14/2015 5:03:25 PM



#24  
Nitrobenzene  
Concen: 42.43 ng  
RT: 7.95 min Scan# 592  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 49.9  | 31.8 | 47.8# |       |
| 65      | 12.4  | 10.6 | 15.8  |       |





#25

Isophorone

Concen: 41.14 ng

RT: 8.25 min Scan# 618

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

Instrument :

BNA\_F

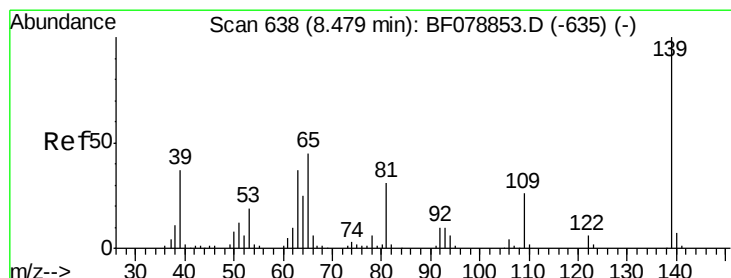
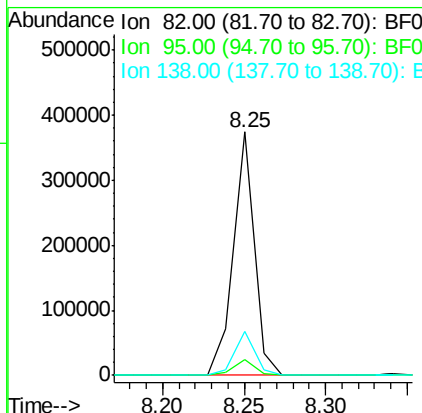
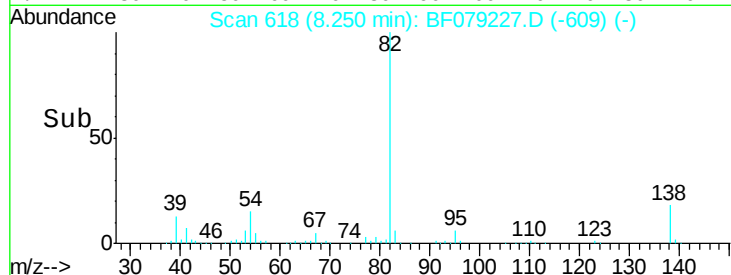
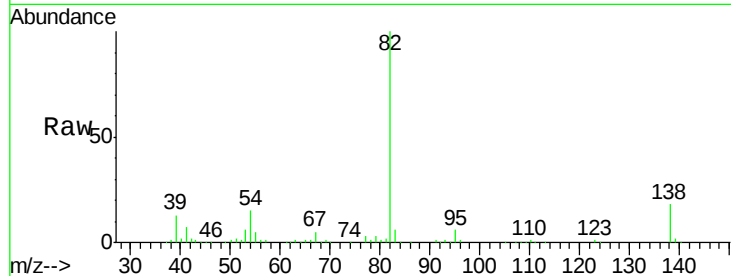
ClientSampleId :

PS-31(0-10)MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 82   | Resp: | 330919 |
| Ion Ratio |      | Lower | Upper  |
| 82        | 100  |       |        |
| 95        | 6.3  | 5.3   | 7.9    |
| 138       | 17.9 | 12.0  | 18.0   |

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#26

2-Nitrophenol

Concen: 47.72 ng

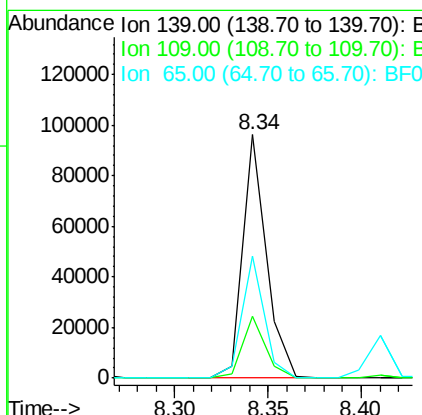
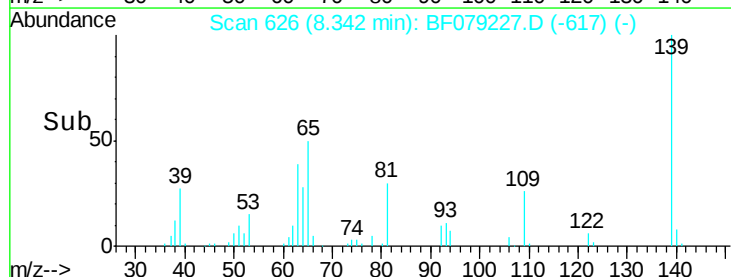
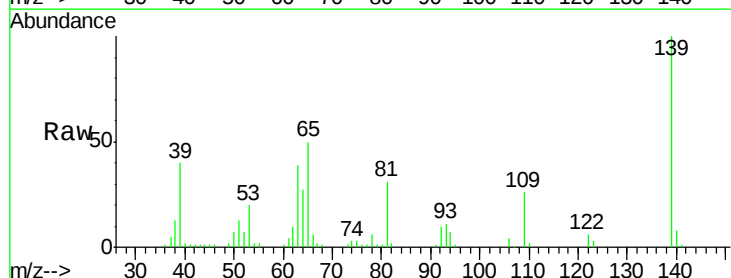
RT: 8.34 min Scan# 626

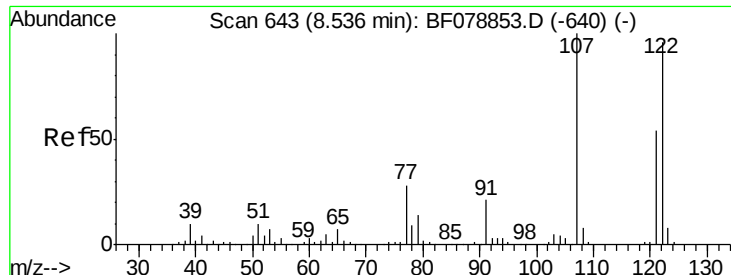
Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 139  | Resp: | 84932 |
| Ion Ratio |      | Lower | Upper |
| 139       | 100  |       |       |
| 109       | 25.6 | 21.0  | 31.4  |
| 65        | 50.1 | 30.5  | 45.7# |





#27

2,4-Dimethylphenol

Concen: 45.02 ng

RT: 8.41 min Scan# 632

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

Instrument :

BNA\_F

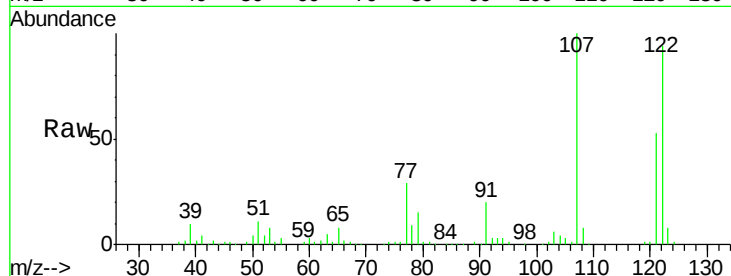
ClientSampleId :

PS-31(0-10)MSD

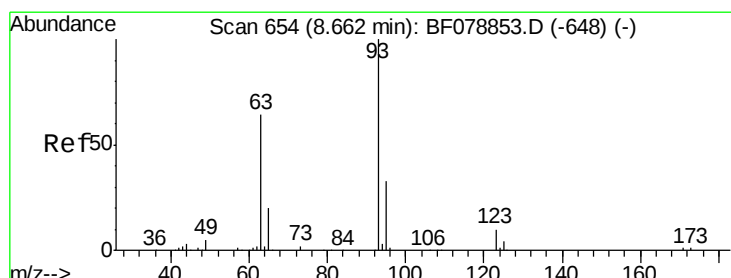
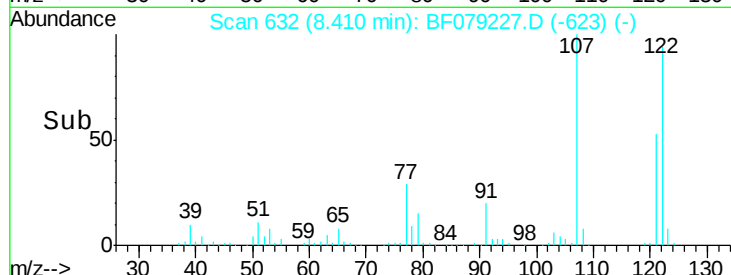
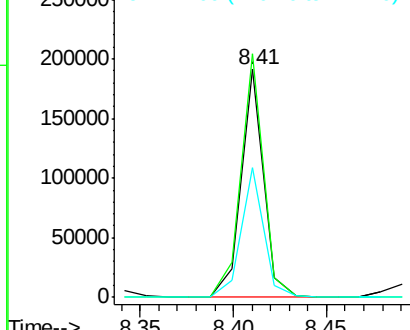
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 160349 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 106.8 | 90.6  | 135.8  |
| 121       | 57.1  | 45.4  | 68.2   |

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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: 40.72 ng

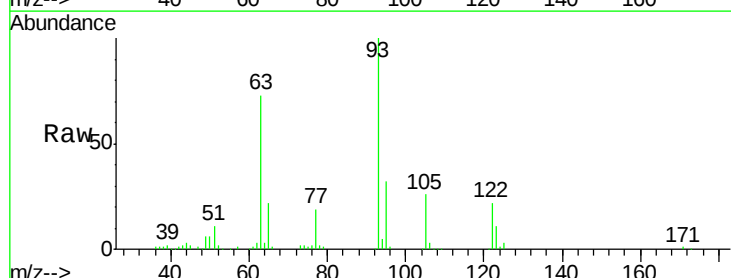
RT: 8.52 min Scan# 642

Delta R.T. 0.00 min

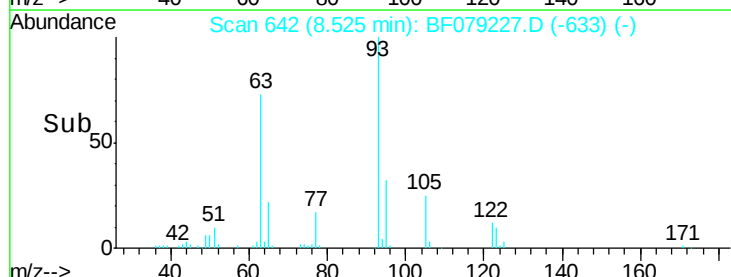
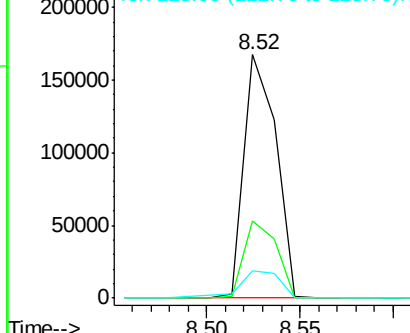
Lab File: BF079227.D

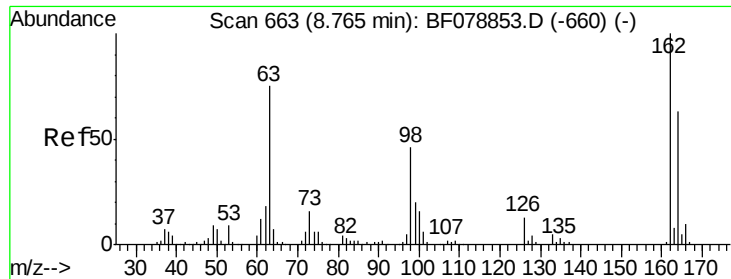
Acq: 14 May 2015 8:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 201903 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 32.0  | 26.7  | 40.1   |
| 123       | 11.0  | 9.1   | 13.7   |



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





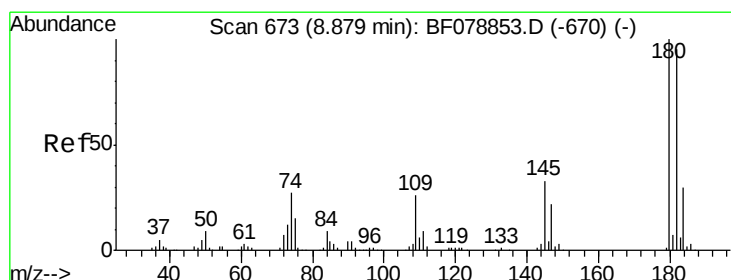
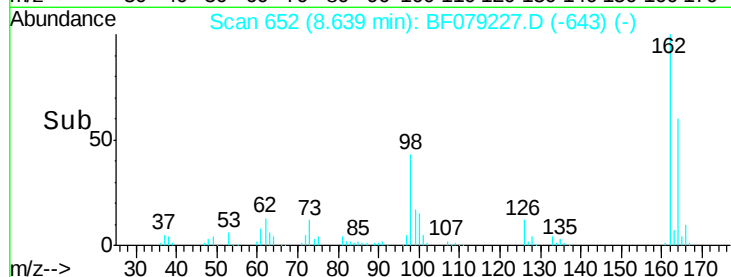
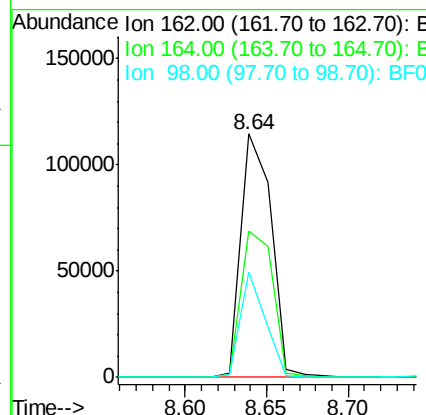
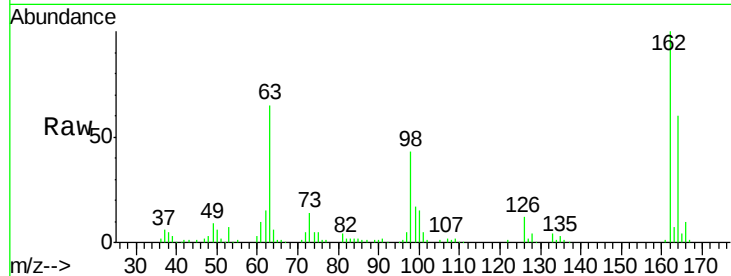
#29  
 2,4-Dichlorophenol  
 Concen: 46.36 ng  
 RT: 8.64 min Scan# 652  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 60.0  | 43.6       | 83.6  |
| 98      | 43.1  | 16.5       | 56.5  |

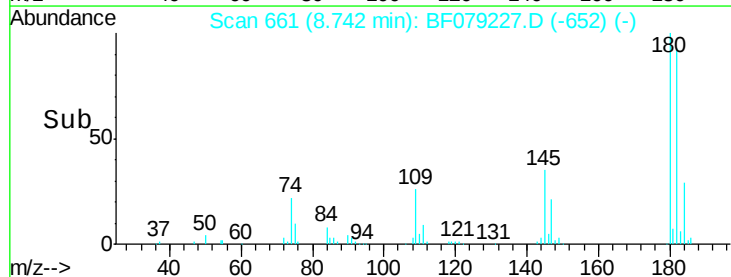
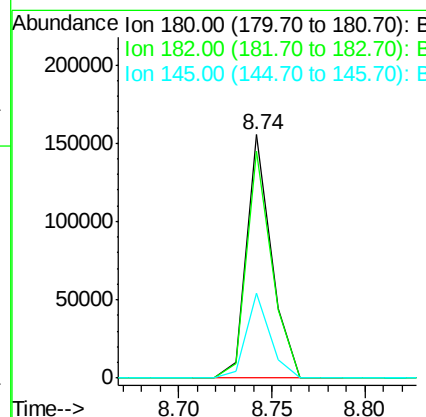
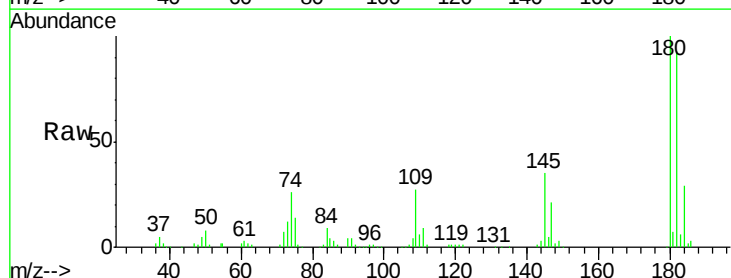
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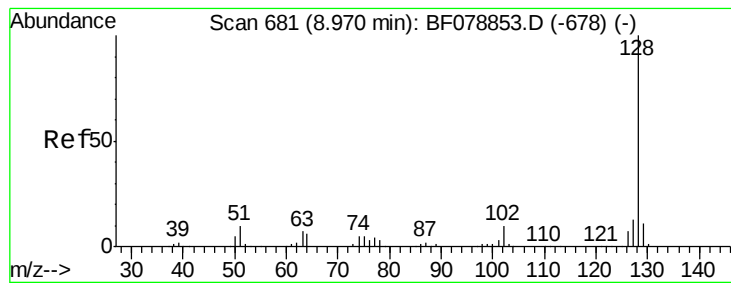
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 41.47 ng  
 RT: 8.74 min Scan# 661  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 93.4  | 78.9       | 118.3 |
| 145     | 35.0  | 24.2       | 36.4  |





#31

Naphthalene

Concen: 40.29 ng

RT: 8.83 min Scan# 669

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

Instrument :

BNA\_F

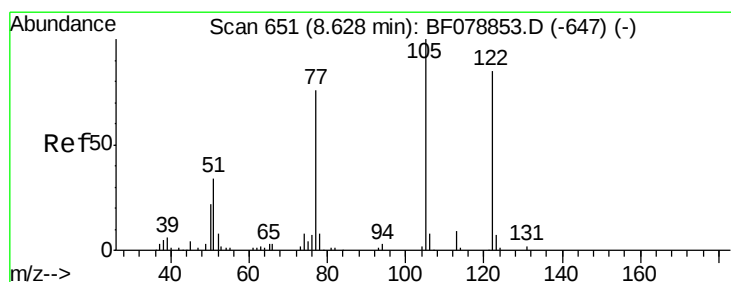
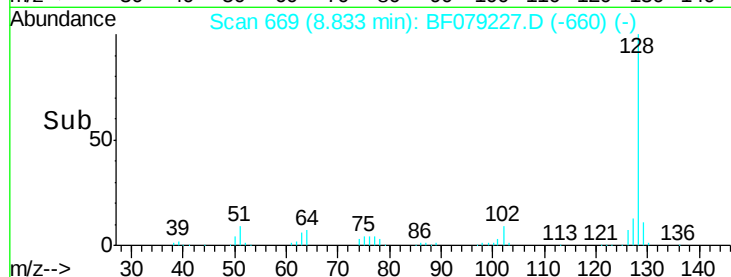
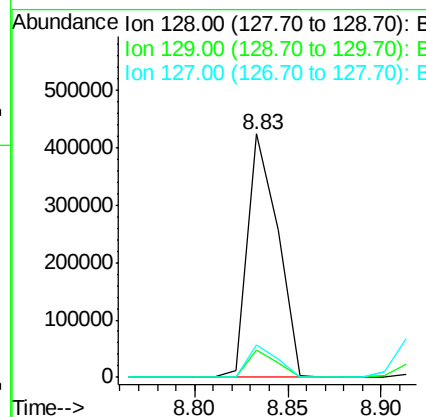
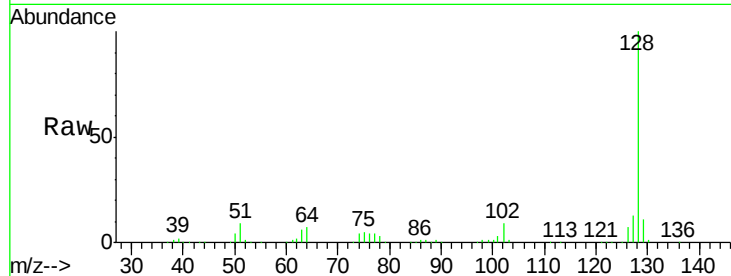
ClientSampleId :

PS-31(0-10)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 478708 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.4  | 9.3   | 13.9   |
| 127       | 13.1  | 10.7  | 16.1   |

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#32

Benzoic acid

Concen: 45.63 ng

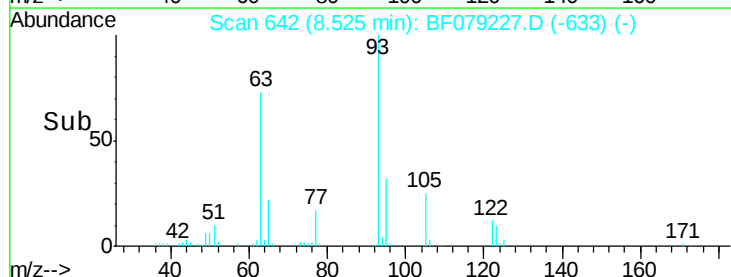
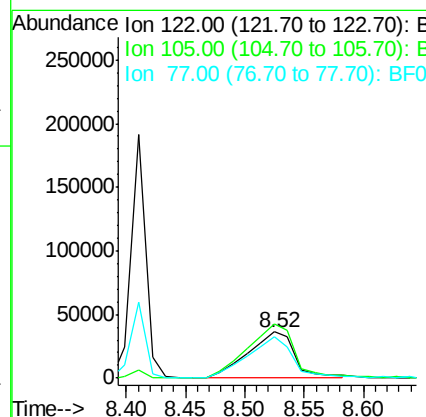
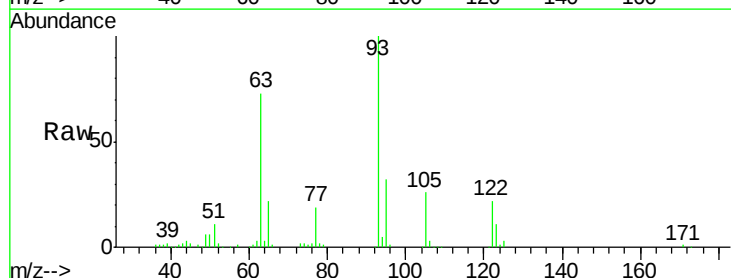
RT: 8.52 min Scan# 642

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 122   | Resp: | 101001 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 117.2 | 107.1 | 147.1  |
| 77        | 88.5  | 73.9  | 113.9  |





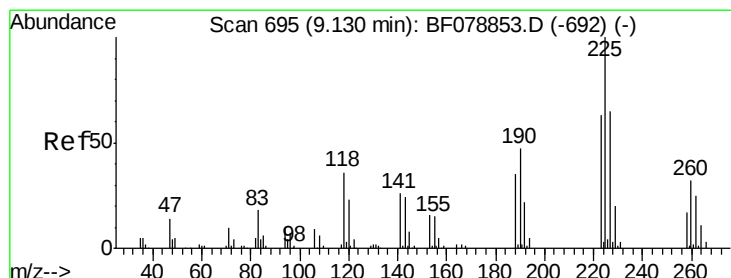
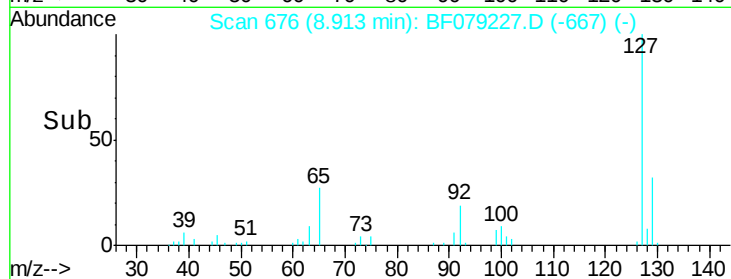
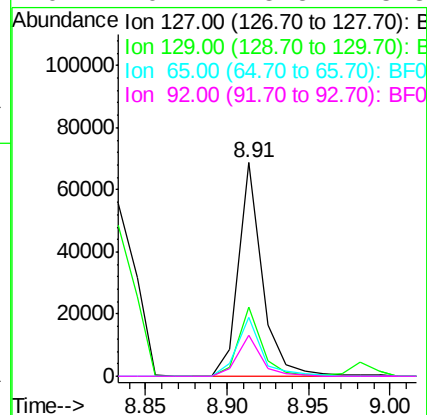
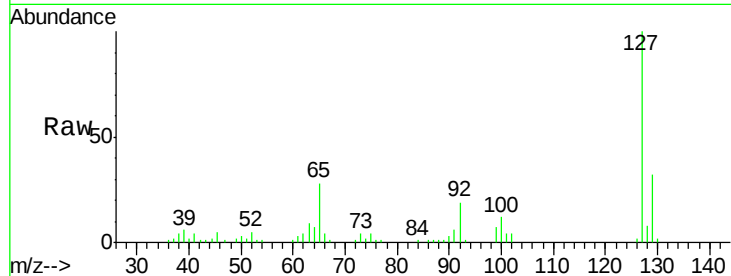
#33  
4-Chloroaniline  
Concen: 13.69 ng  
RT: 8.91 min Scan# 676  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 127     | 100  |       | 68844 |       |       |
| 129     | 32.2 | 25.8  | 38.8  |       |       |
| 65      | 27.8 | 25.8  | 38.6  |       |       |
| 92      | 19.1 | 15.5  | 23.3  |       |       |

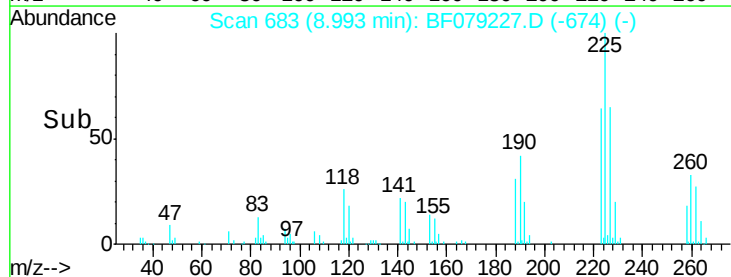
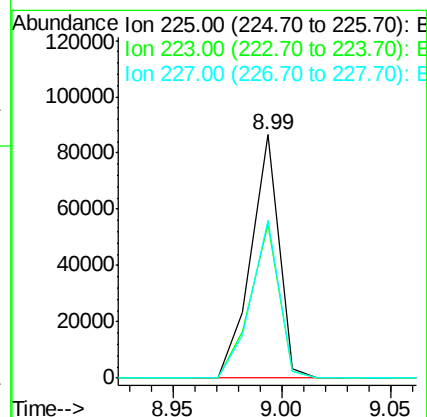
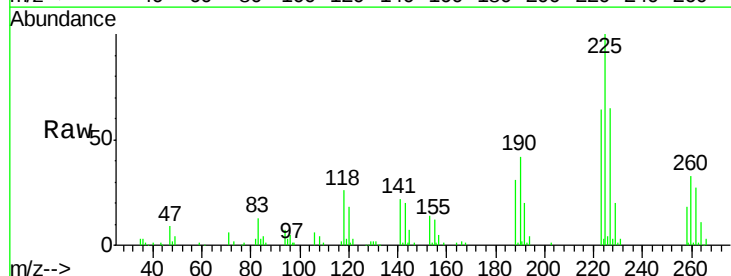
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#34  
Hexachlorobutadiene  
Concen: 38.85 ng  
RT: 8.99 min Scan# 683  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 225     | 100  |       | 77831 |       |       |
| 223     | 63.5 | 48.2  | 72.4  |       |       |
| 227     | 64.9 | 51.4  | 77.0  |       |       |





#35

Caprolactam

Concen: 39.23 ng

RT: 9.35 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

Instrument :

BNA\_F

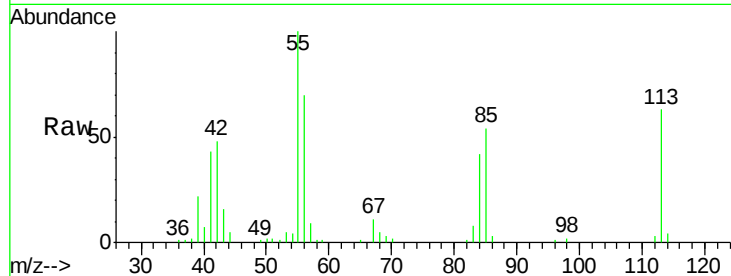
ClientSampleId :

PS-31(0-10)MSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 157.7 | 169.7 | 209.7# |
| 56      | 110.8 | 122.5 | 162.5# |

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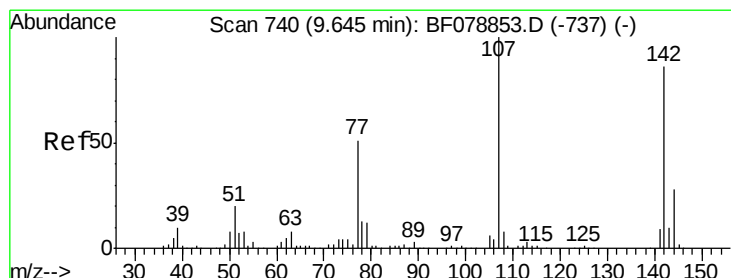
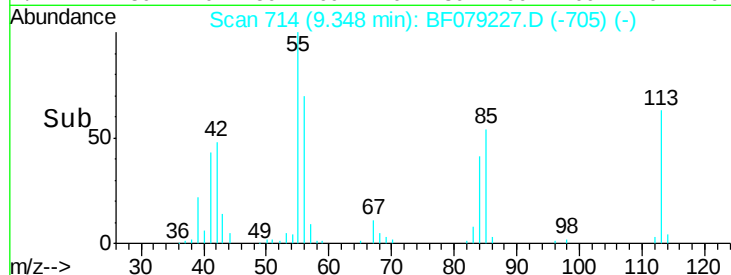
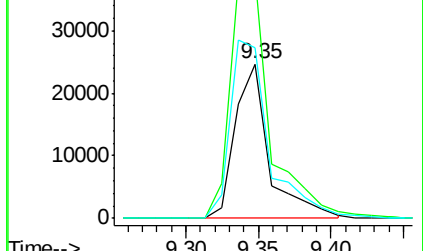
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 44.32 ng

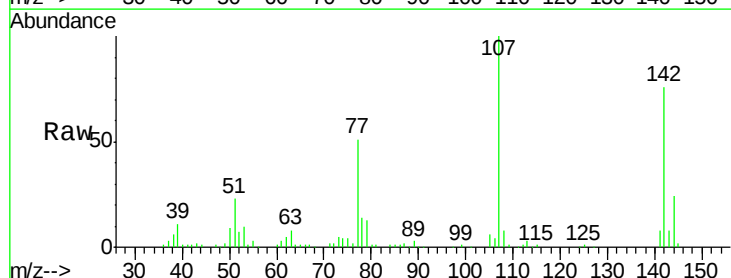
RT: 9.52 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

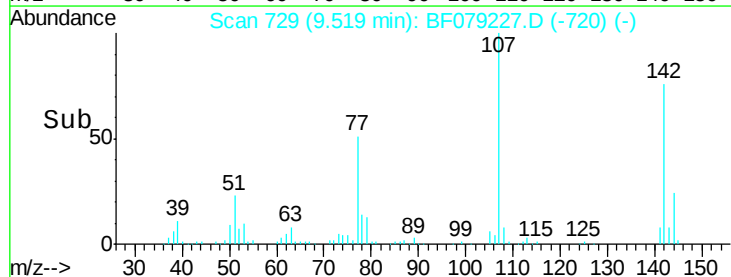
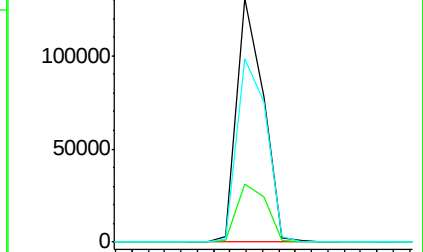
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 23.8  | 19.8  | 29.6  |
| 142     | 75.6  | 60.6  | 91.0  |

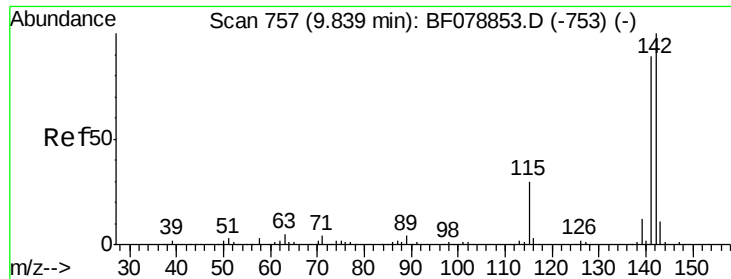


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





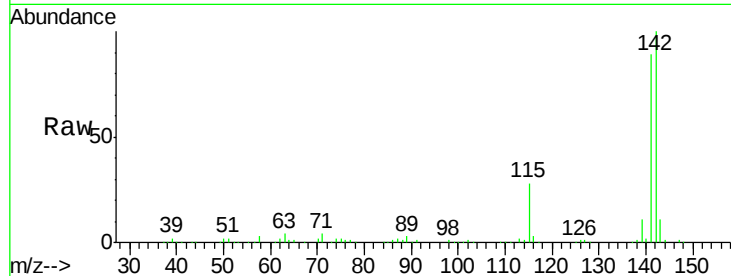
#37  
 2-Methylnaphthalene  
 Concen: 42.66 ng  
 RT: 9.70 min Scan# 745  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.0  | 70.9  | 106.3 |
| 115     | 28.0  | 28.5  | 42.7# |

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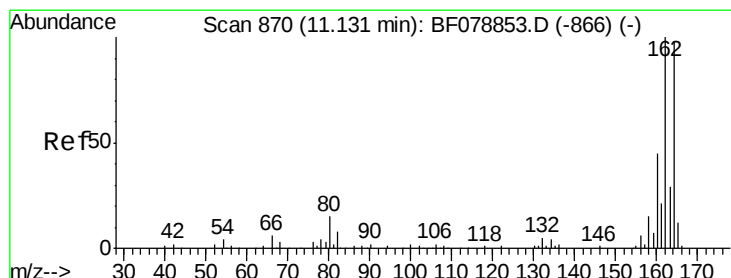
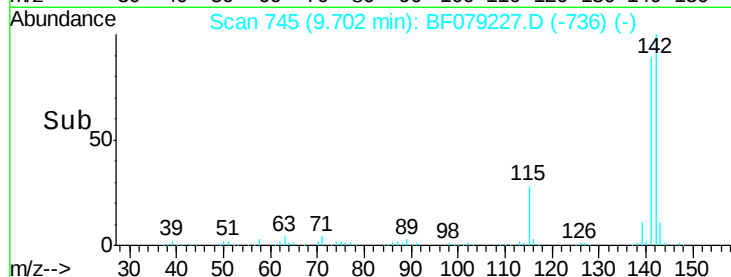
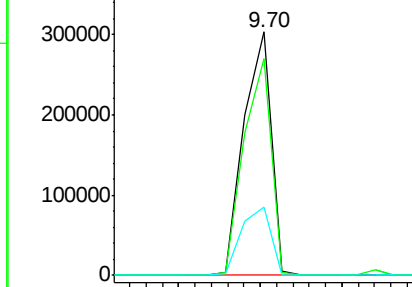


Abundance

Ion 142.00 (141.70 to 142.70): E

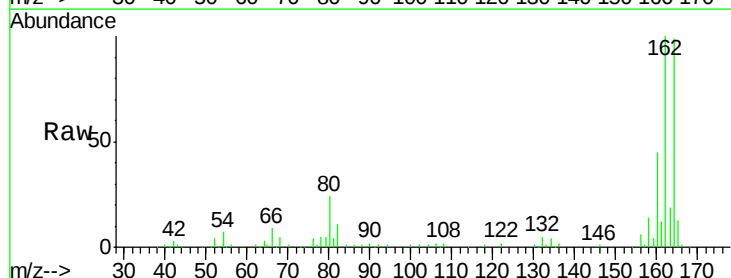
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.98 min Scan# 857  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.3 | 82.7  | 124.1 |
| 160     | 45.5  | 35.8  | 53.8  |

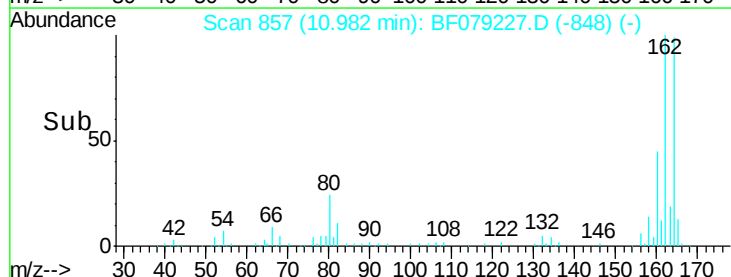
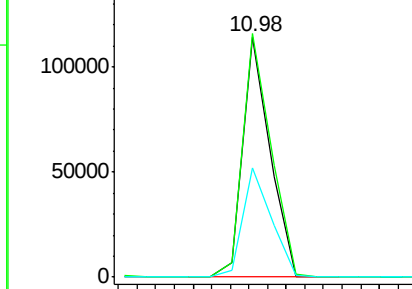


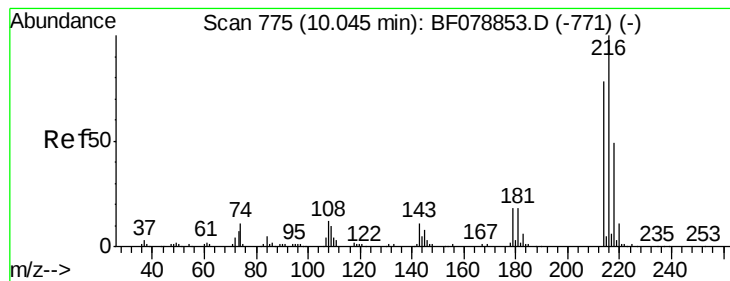
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.43 ng

RT: 9.91 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

Instrument :

BNA\_F

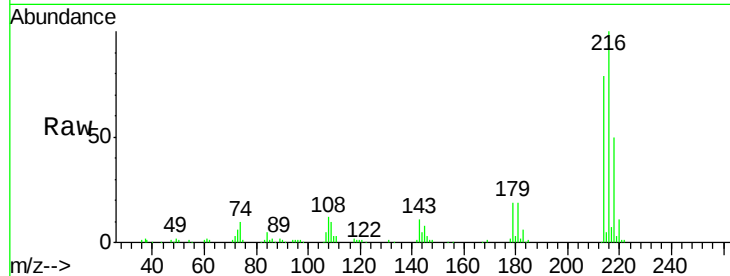
ClientSampleId :

PS-31(0-10)MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 216     | 100   |            |       |
| 214     | 79.0  | 0.0        | 0.0#  |
| 179     | 21.9  | 0.0        | 0.0#  |
| 108     | 18.4  | 0.0        | 0.0#  |

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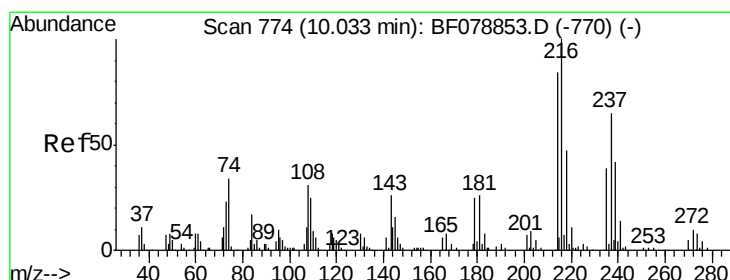
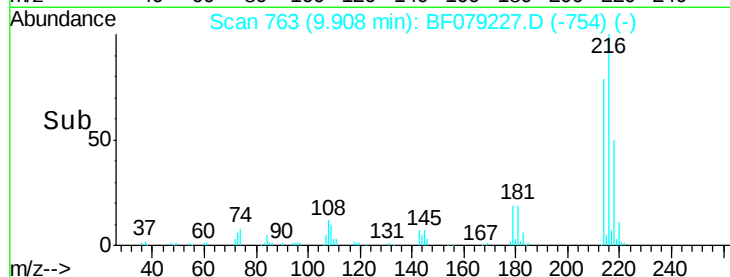
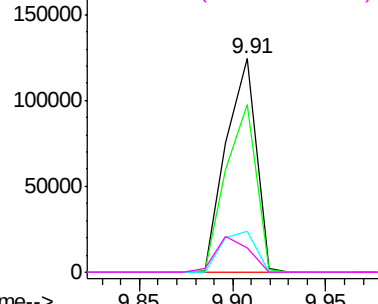


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 20.41 ng

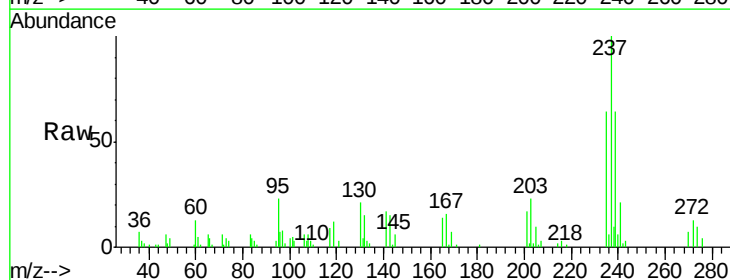
RT: 9.88 min Scan# 761

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

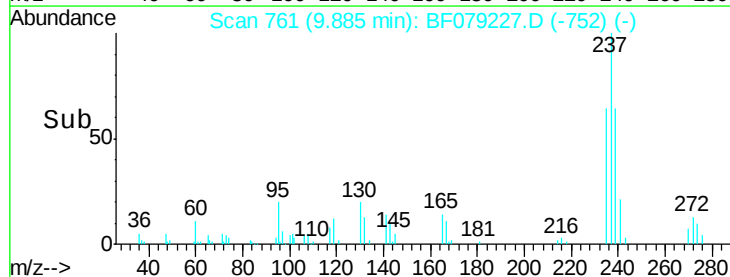
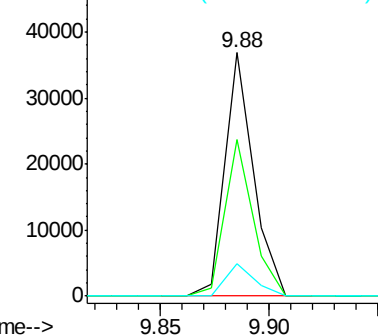
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 64.1  | 44.7       | 84.7  |
| 272     | 13.1  | 0.0        | 32.6  |

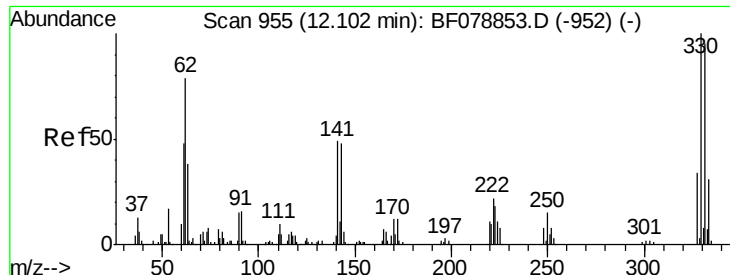


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





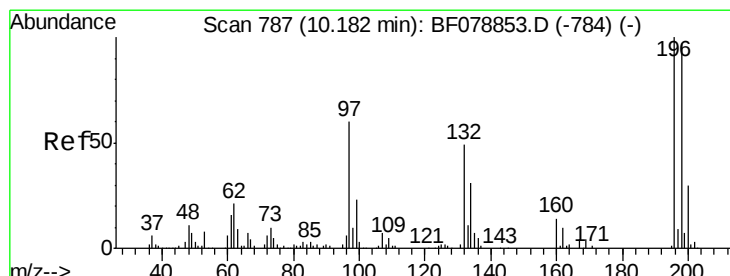
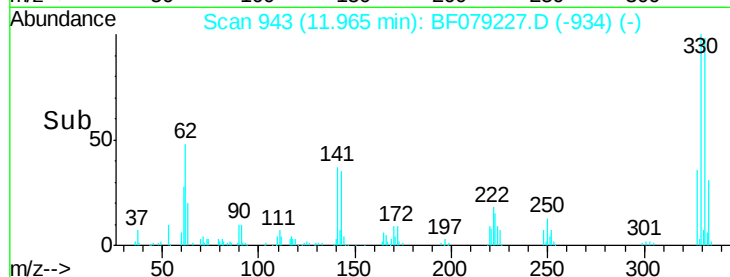
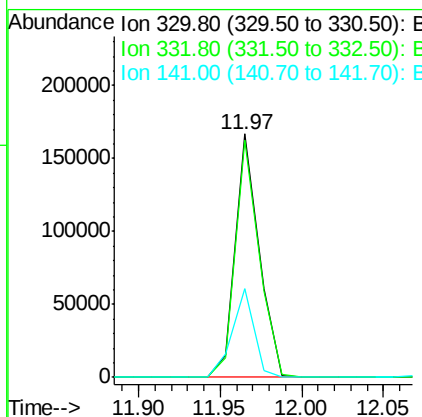
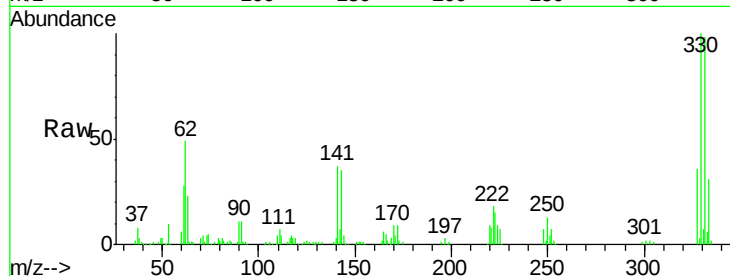
#41  
 2,4,6-Tribromophenol  
 Concen: 133.88 ng  
 RT: 11.97 min Scan# 943  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 97.3  | 0.0        | 0.0#  |
| 141     | 33.5  | 0.0        | 0.0#  |

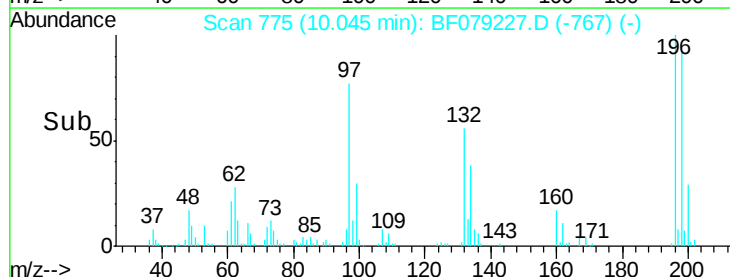
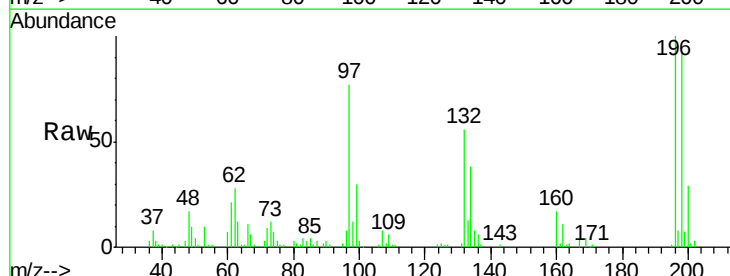
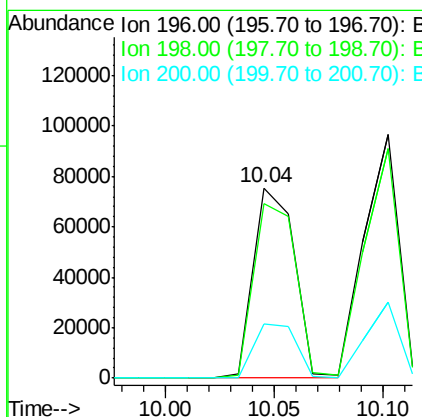
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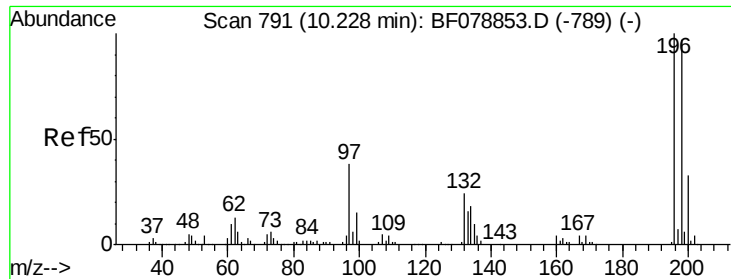
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#42  
 2,4,6-Trichlorophenol  
 Concen: 44.23 ng  
 RT: 10.04 min Scan# 775  
 Delta R.T. -0.01 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 196     | 100   |            |       |
| 198     | 91.8  | 80.5       | 120.7 |
| 200     | 28.8  | 24.9       | 37.3  |





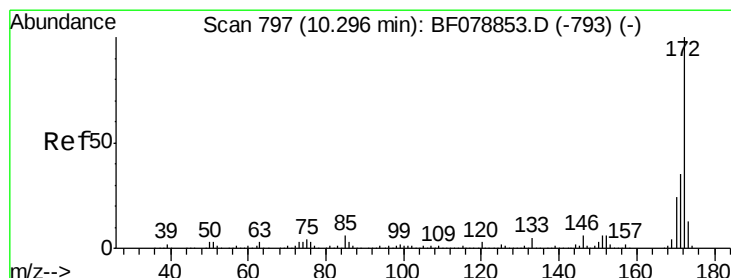
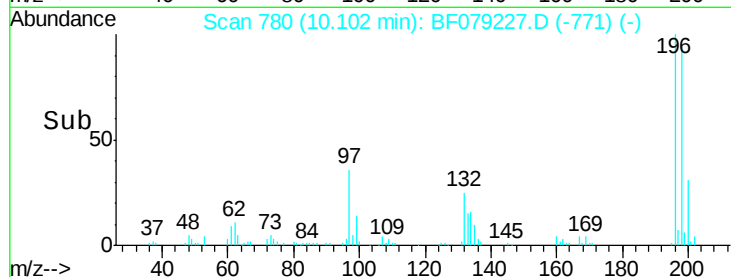
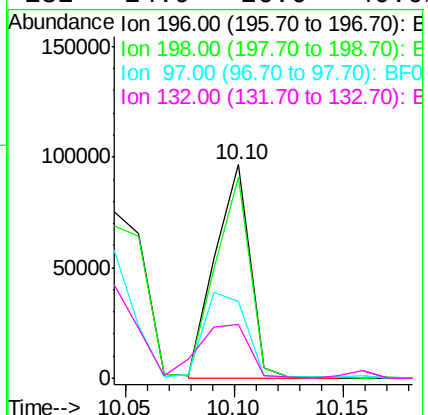
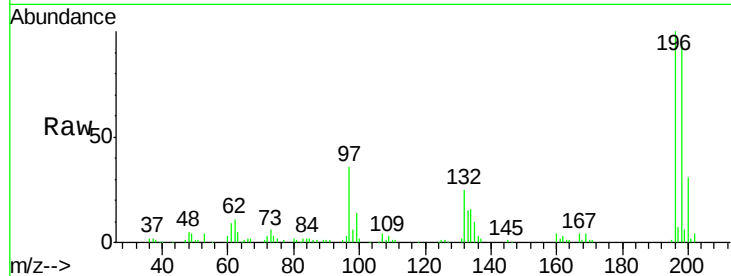
#43  
 2,4,5-Trichlorophenol  
 Concen: 47.30 ng  
 RT: 10.10 min Scan# 780  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 107628 |       |       |
| 198     | 94.2  | 79.8   | 119.6 |       |
| 97      | 35.8  | 46.0   | 69.0  |       |
| 132     | 24.9  | 26.6   | 40.0  |       |

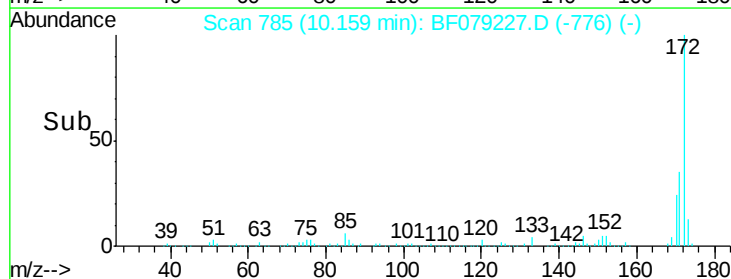
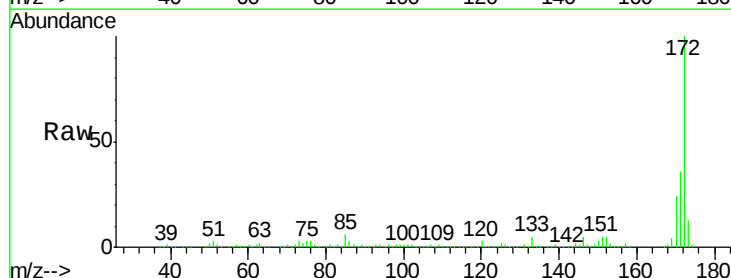
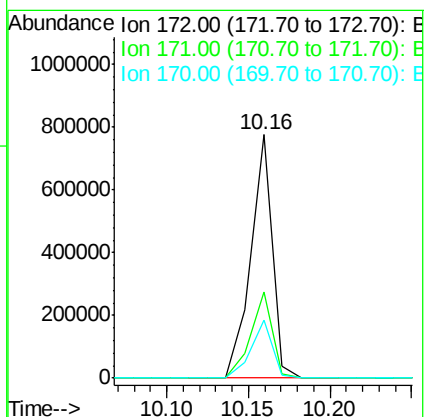
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#44  
 2-Fluorobiphenyl  
 Concen: 84.81 ng  
 RT: 10.16 min Scan# 785  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 707534 |       |       |
| 171     | 35.5  | 27.9   | 41.9  |       |
| 170     | 23.9  | 19.4   | 29.0  |       |





#45

1,1'-Biphenyl

Concen: 43.38 ng

RT: 10.27 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

Instrument :

BNA\_F

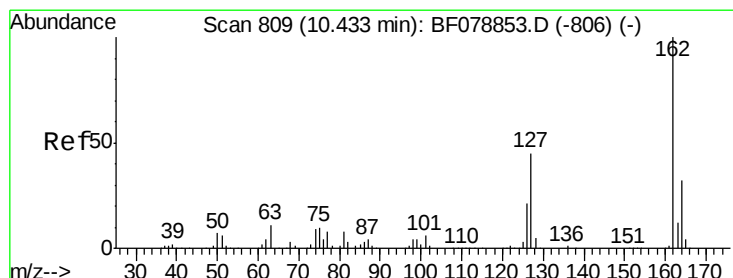
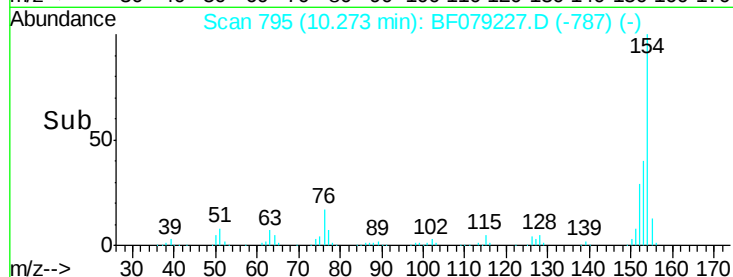
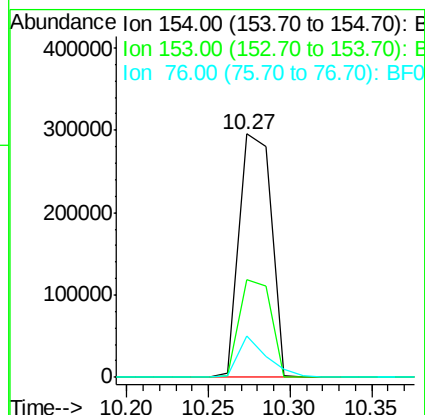
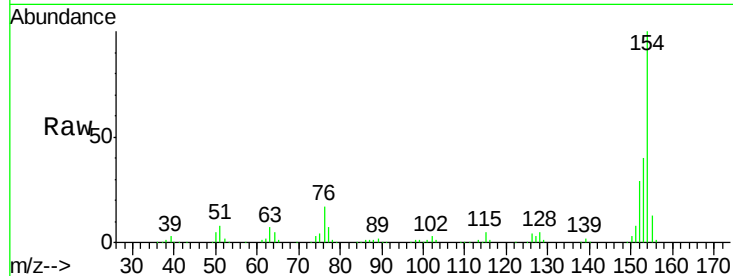
ClientSampleId :

PS-31(0-10)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 400829 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.0  | 19.9  | 59.9   |
| 76        | 17.0  | 0.0   | 35.0   |

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#46

2-Chloronaphthalene

Concen: 42.63 ng

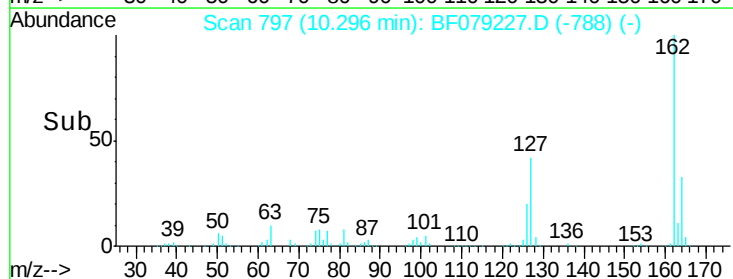
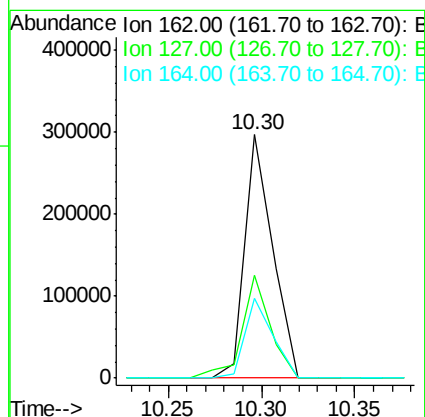
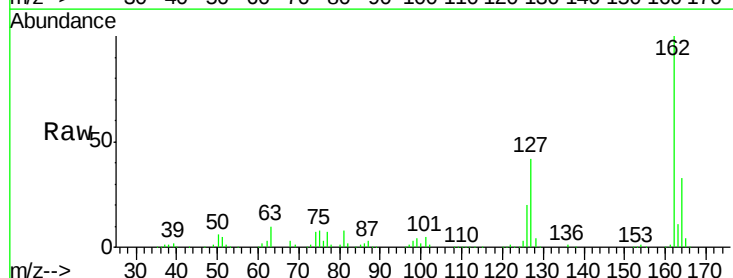
RT: 10.30 min Scan# 797

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 307248 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 42.2  | 33.9  | 50.9   |
| 164       | 32.7  | 26.3  | 39.5   |





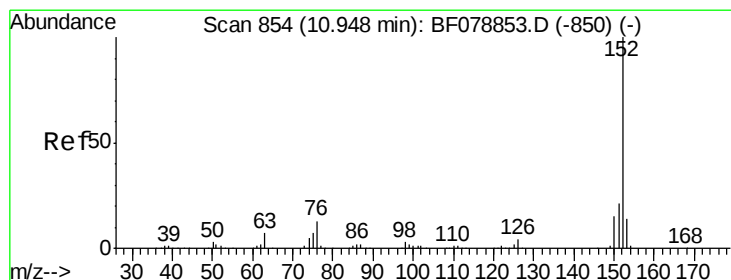
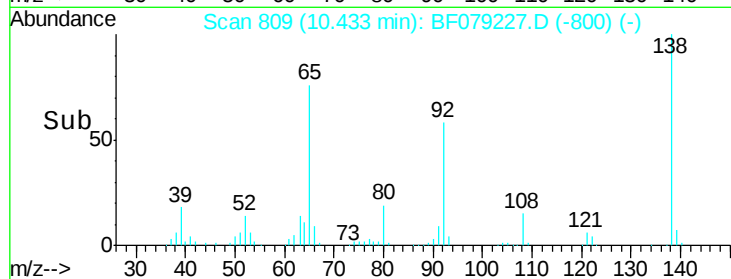
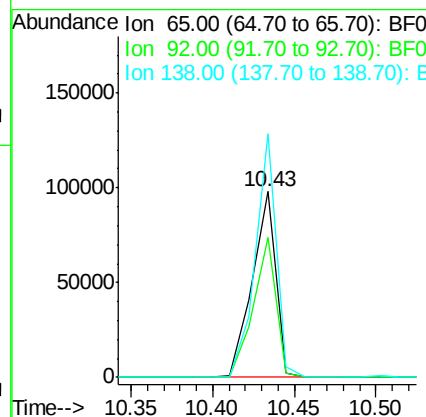
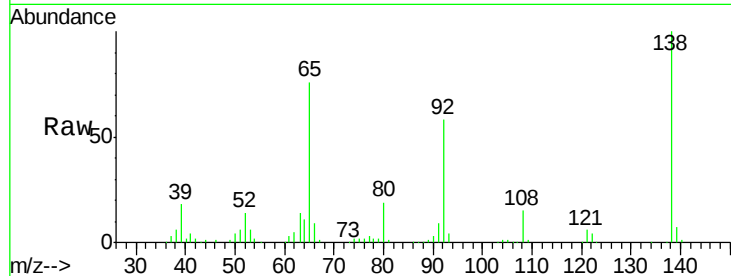
#47  
2-Nitroaniline  
Concen: 46.97 ng  
RT: 10.43 min Scan# 809  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 75.4  | 54.0  | 81.0  |
| 138     | 130.9 | 75.0  | 112.6 |

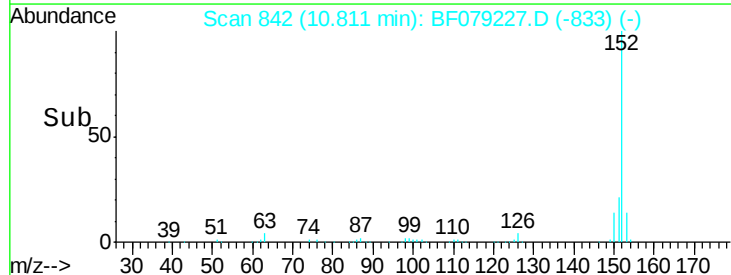
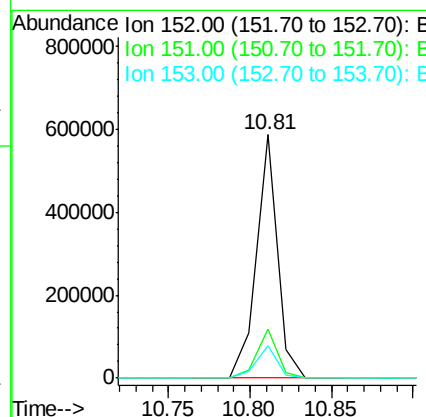
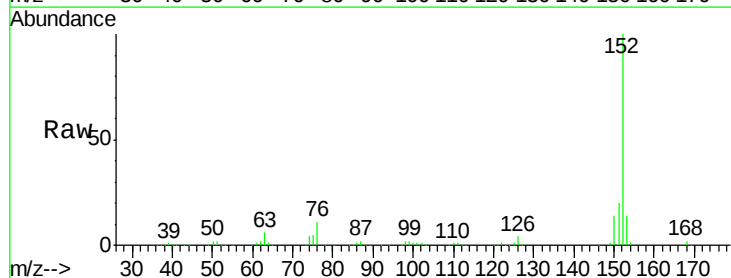
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#48  
Acenaphthylene  
Concen: 44.53 ng  
RT: 10.81 min Scan# 842  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.4  | 16.2  | 24.4  |
| 153     | 13.5  | 10.9  | 16.3  |





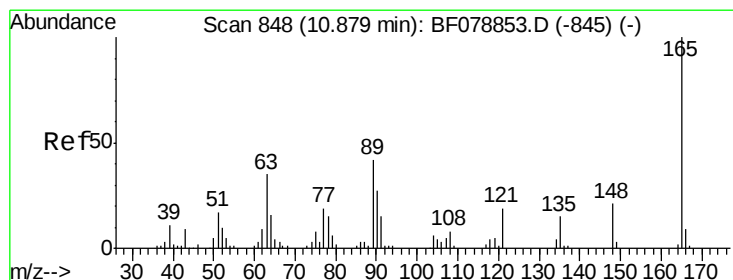
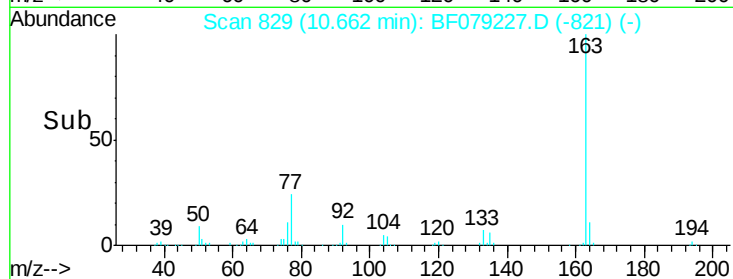
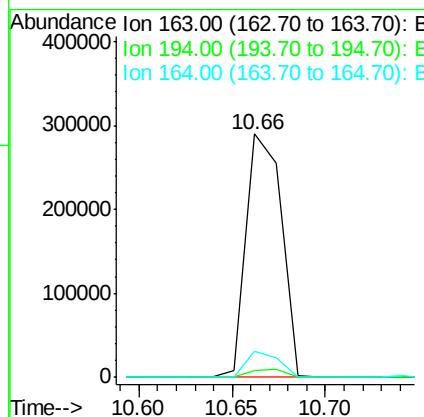
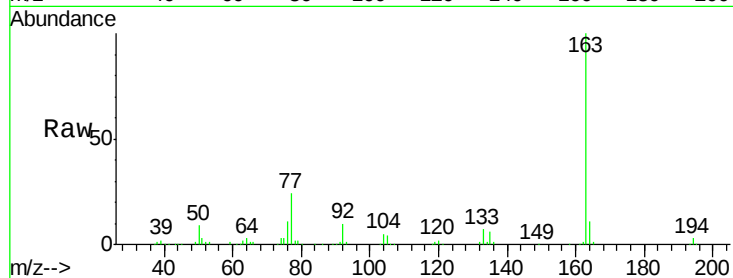
#49  
Dimethylphthalate  
Concen: 44.63 ng  
RT: 10.66 min Scan# 829  
Delta R.T. -0.01 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 163     | 100   |            |       |
| 194     | 2.7   | 2.6        | 4.0   |
| 164     | 10.8  | 8.1        | 12.1  |

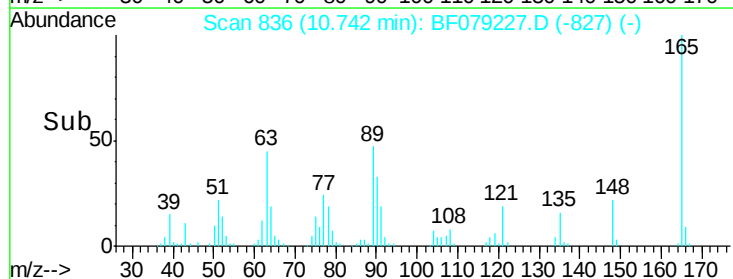
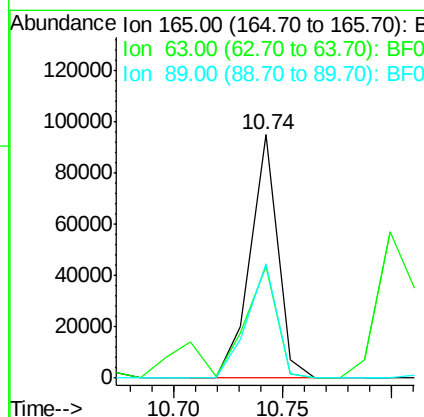
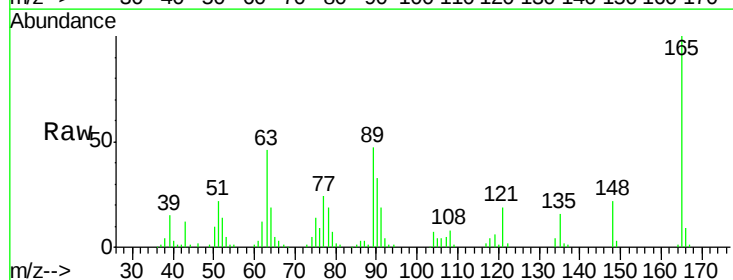
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#50  
2,6-Dinitrotoluene  
Concen: 49.62 ng  
RT: 10.74 min Scan# 836  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 165     | 100   |            |       |
| 63      | 45.7  | 54.4       | 81.6# |
| 89      | 47.1  | 55.7       | 83.5# |





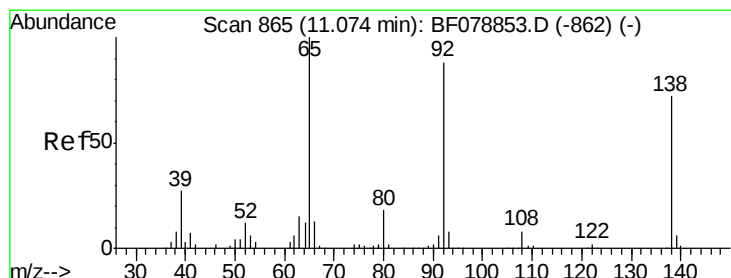
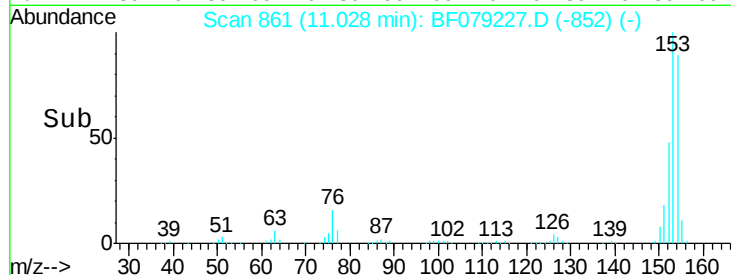
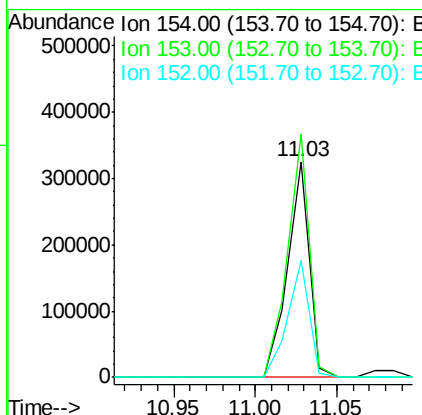
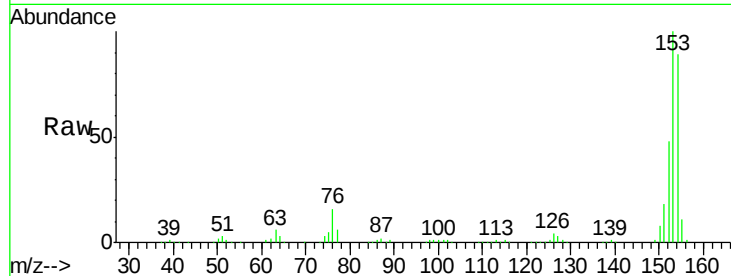
#51  
Acenaphthene  
Concen: 42.93 ng  
RT: 11.03 min Scan# 861  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 112.9 | 91.5  | 137.3 |
| 152     | 53.9  | 44.2  | 66.4  |

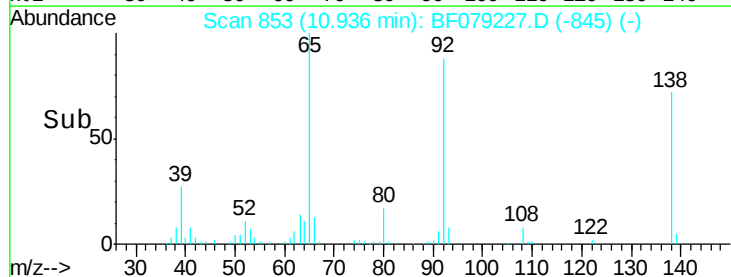
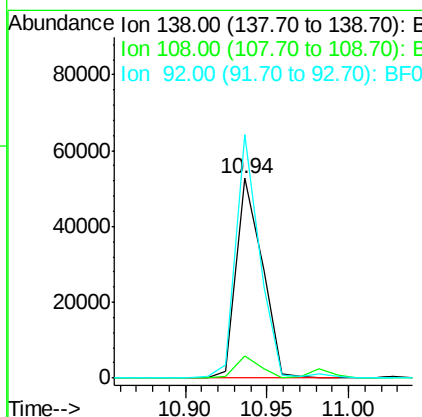
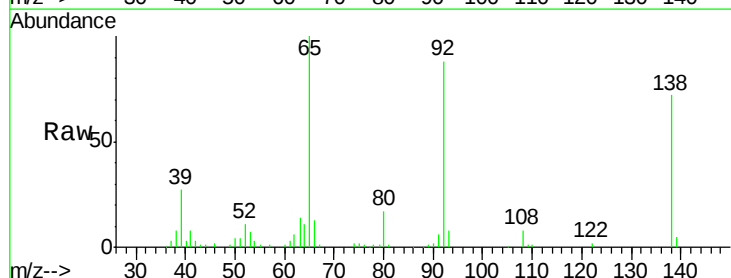
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#52  
3-Nitroaniline  
Concen: 27.61 ng  
RT: 10.94 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 11.3  | 10.6  | 16.0  |
| 92      | 121.8 | 81.8  | 122.6 |





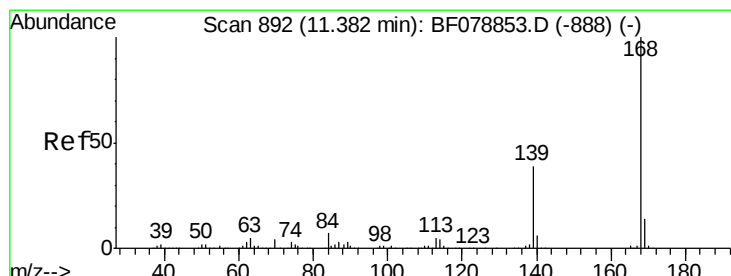
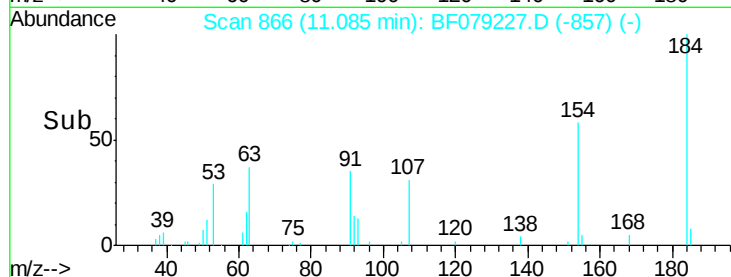
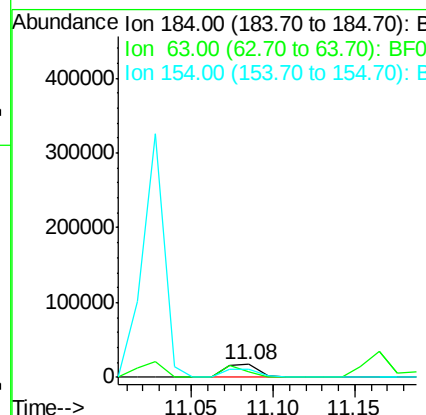
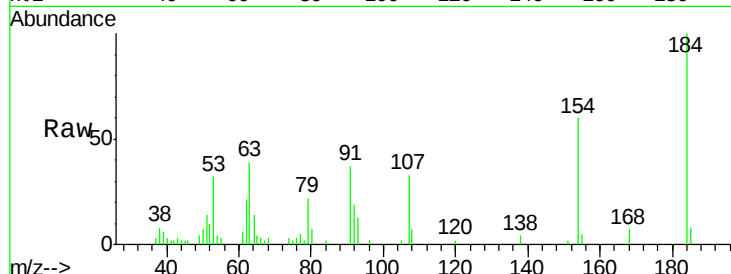
#53  
2,4-Dinitrophenol  
Concen: 48.67 ng  
RT: 11.08 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 184     | 100   | 25275 |       |       |
| 63      | 39.1  | 63.3  | 94.9  | #     |
| 154     | 59.7  | 53.8  | 80.6  |       |

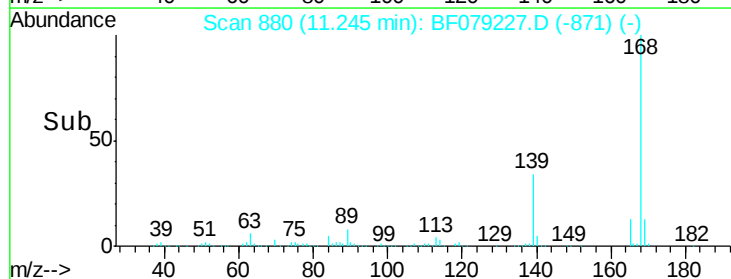
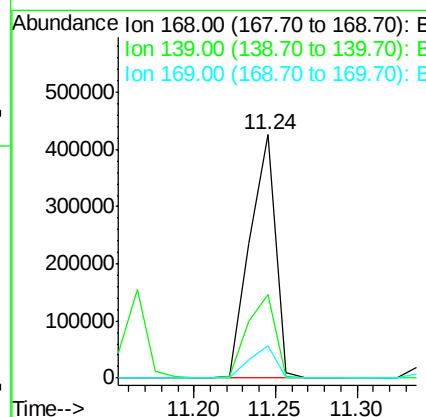
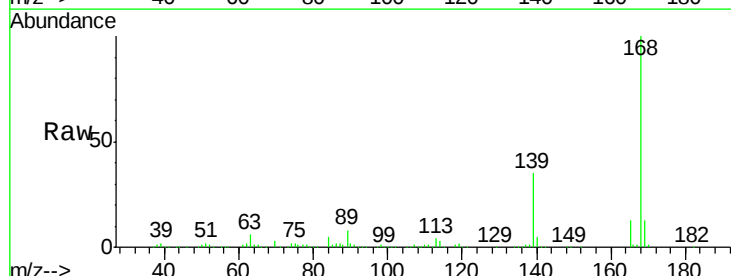
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#54  
Dibenzofuran  
Concen: 45.44 ng  
RT: 11.24 min Scan# 880  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 463145 |       |       |
| 139     | 34.5  | 31.0   | 46.4  |       |
| 169     | 13.1  | 10.6   | 16.0  |       |





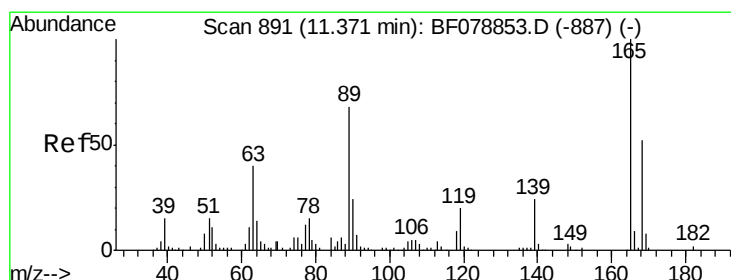
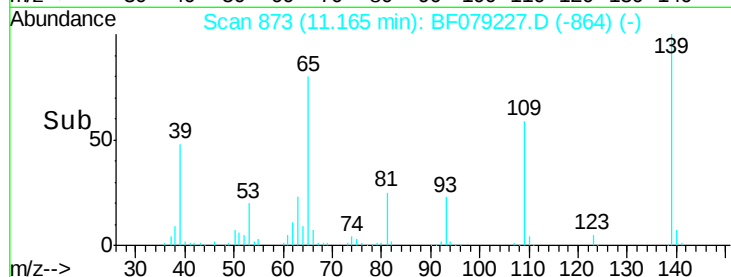
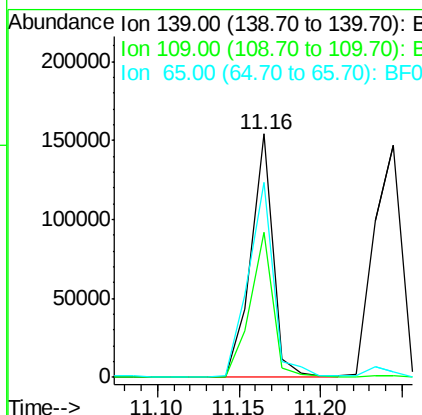
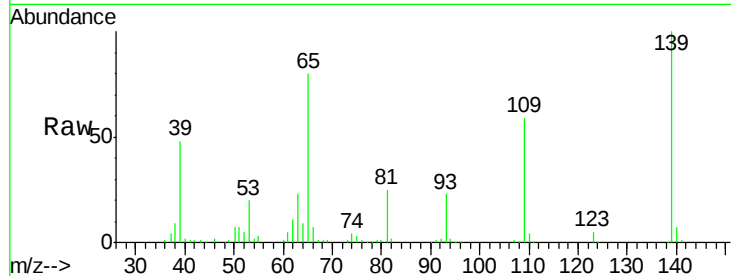
#55  
4-Nitrophenol  
Concen: 88.34 ng  
RT: 11.16 min Scan# 873  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 147030 |       |       |
| 109     | 59.3  | 47.6   | 87.6  |       |
| 65      | 80.2  | 54.3   | 94.3  |       |

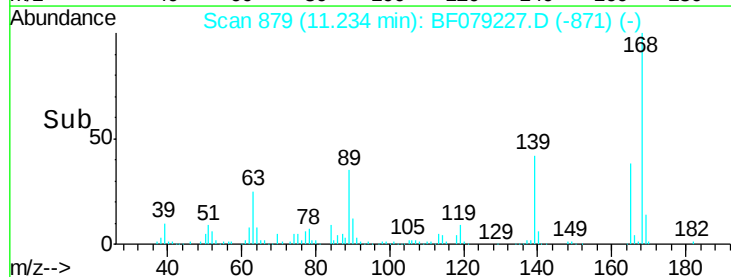
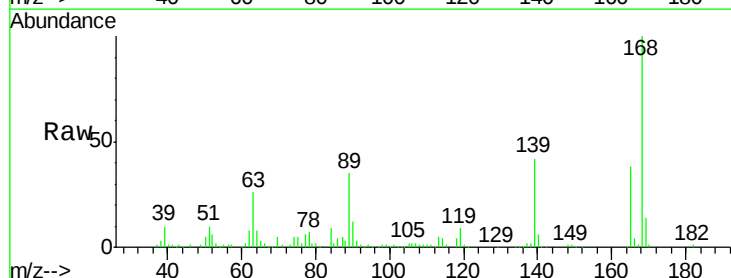
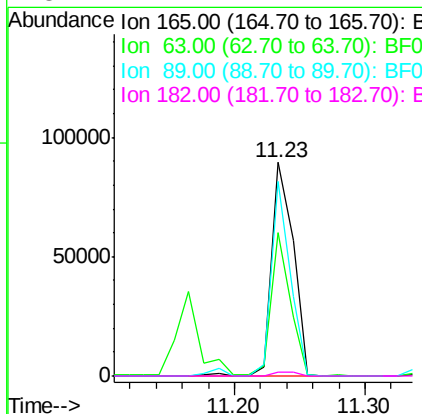
Manual Integrations  
APPROVED

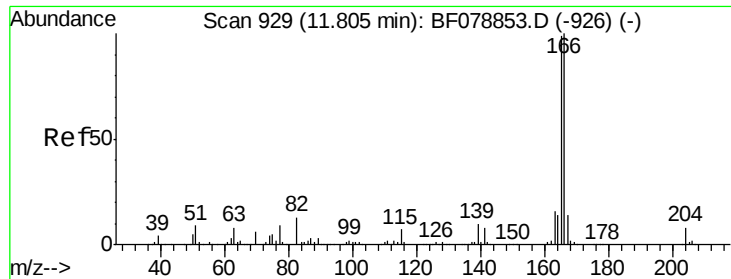
apatel  
5/14/2015 5:03:25 PM



#56  
2,4-Dinitrotoluene  
Concen: 46.85 ng  
RT: 11.23 min Scan# 879  
Delta R.T. -0.01 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 104273 |       |       |
| 63      | 67.3  | 51.2   | 76.8  |       |
| 89      | 91.0  | 82.7   | 124.1 |       |
| 182     | 2.1   | 1.4    | 2.2   |       |





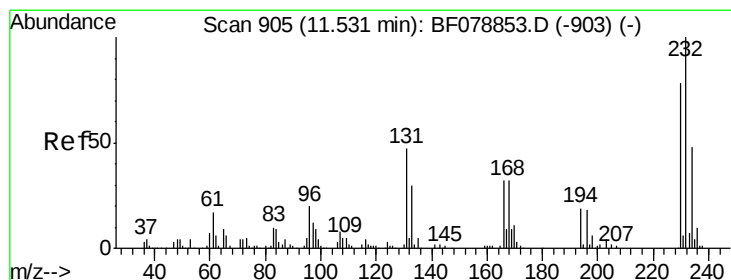
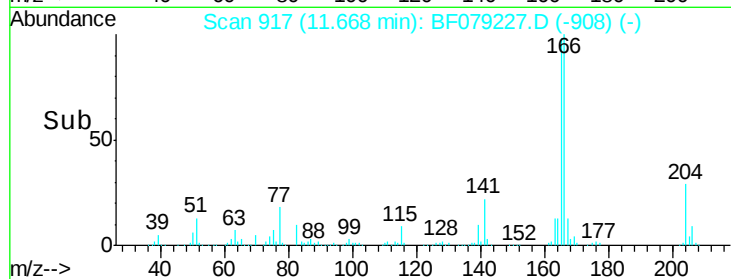
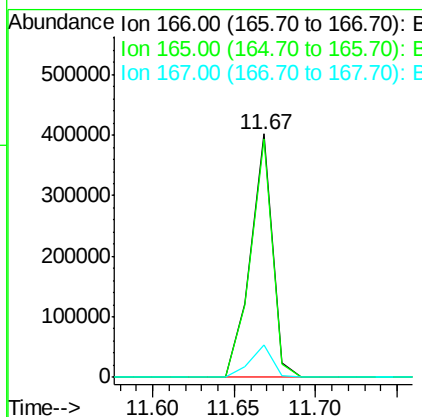
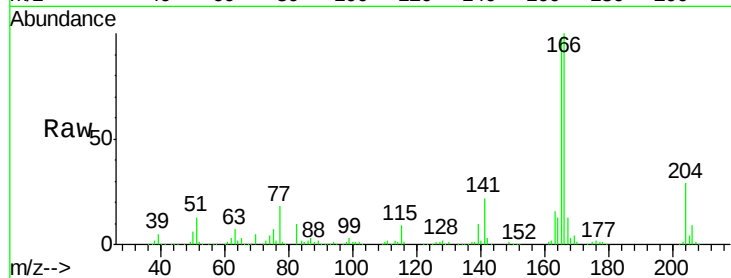
#57  
 Fluorene  
 Concen: 44.95 ng  
 RT: 11.67 min Scan# 917  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 376052 |       |       |
| 165     | 97.8  | 78.5   | 117.7 |       |
| 167     | 13.4  | 11.0   | 16.6  |       |

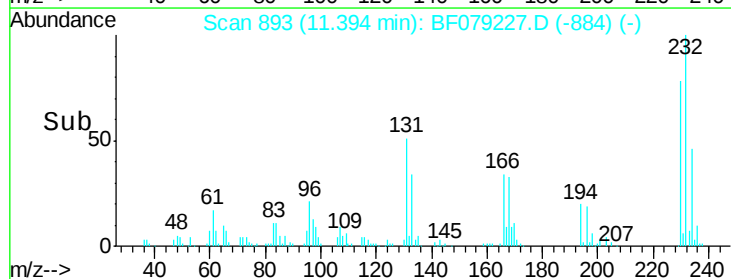
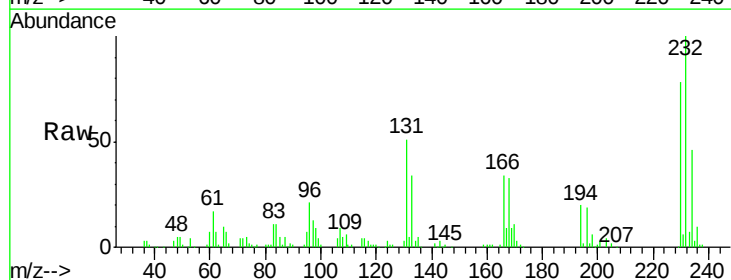
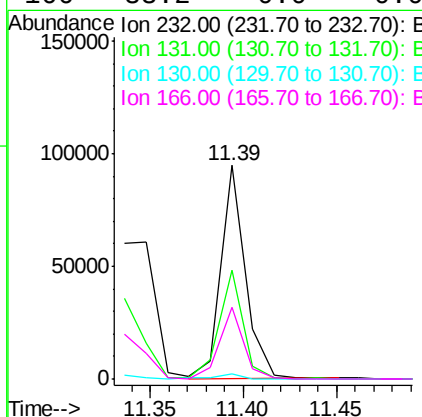
Manual Integrations  
 APPROVED

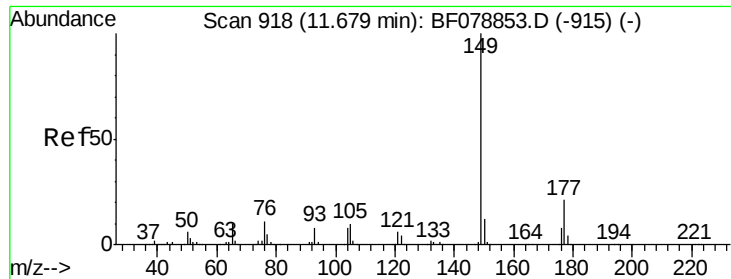
apatel  
 5/14/2015 5:03:25 PM



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.62 ng  
 RT: 11.39 min Scan# 893  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 232     | 100   | 86677 |       |       |
| 131     | 50.4  | 0.0   | 0.0#  |       |
| 130     | 2.5   | 0.0   | 0.0#  |       |
| 166     | 33.2  | 0.0   | 0.0#  |       |





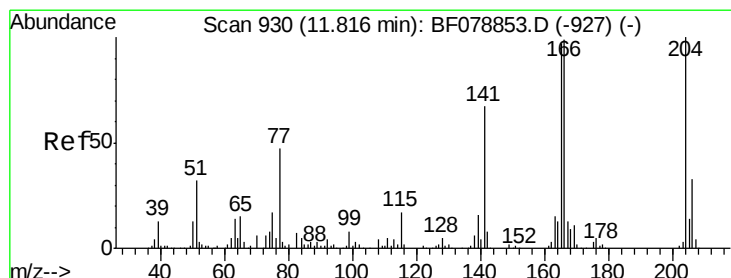
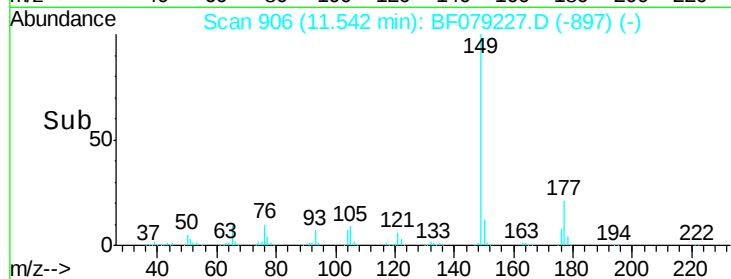
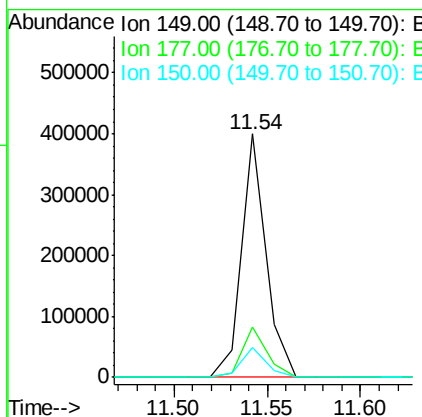
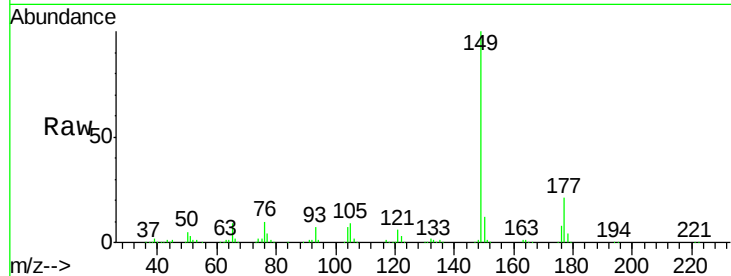
#59  
Diethylphthalate  
Concen: 43.27 ng  
RT: 11.54 min Scan# 906  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 365648 |       |       |
| 177     | 20.8  | 17.5   | 26.3  |       |
| 150     | 12.3  | 9.6    | 14.4  |       |

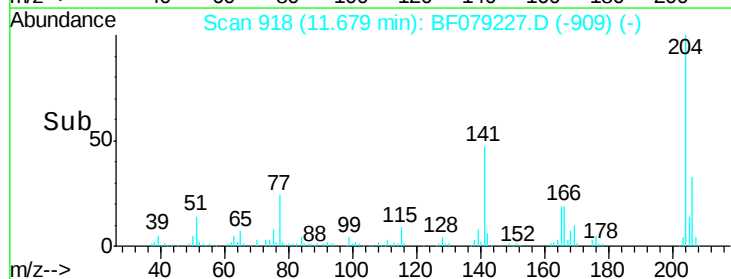
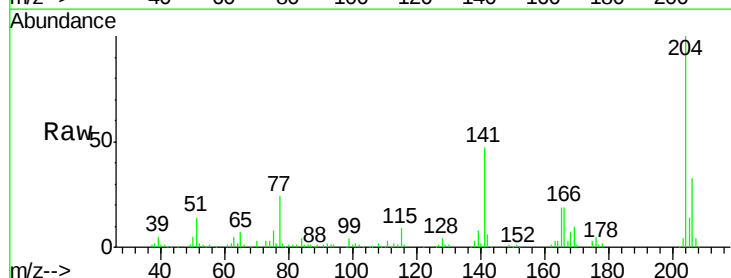
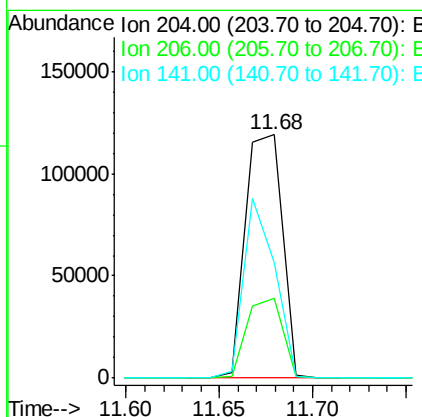
Manual Integrations  
APPROVED

apatel  
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#60  
4-Chlorophenyl-phenylether  
Concen: 44.08 ng  
RT: 11.68 min Scan# 918  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 163607 |       |       |
| 206     | 33.0  | 26.9   | 40.3  |       |
| 141     | 47.3  | 48.3   | 72.5  |       |





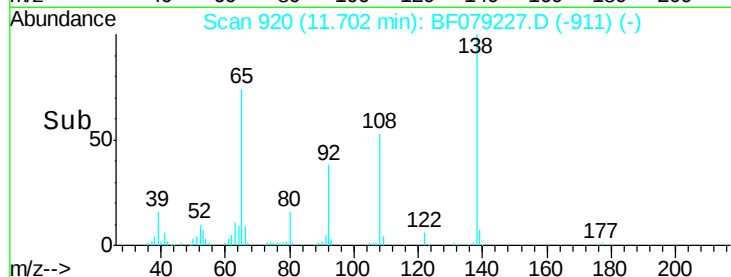
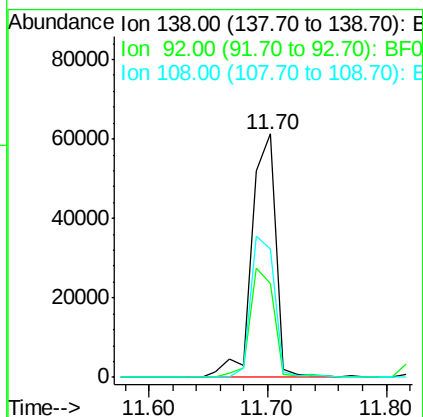
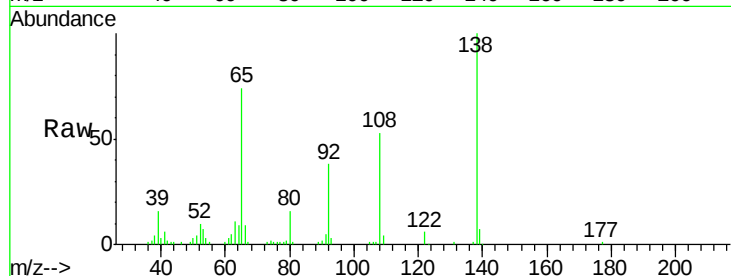
#61  
4-Nitroaniline  
Concen: 41.09 ng  
RT: 11.70 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 138     | 100   |      |       |       |
| 92      | 38.4  | 28.0 | 68.0  |       |
| 108     | 52.9  | 56.3 | 96.3  |       |

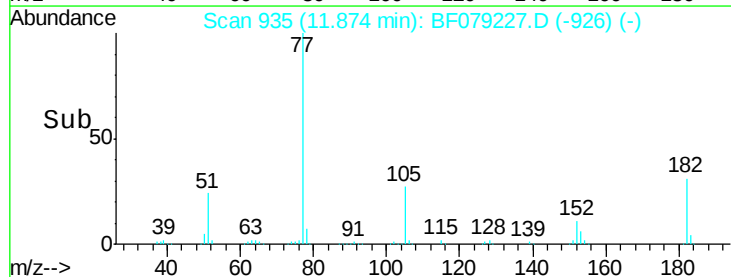
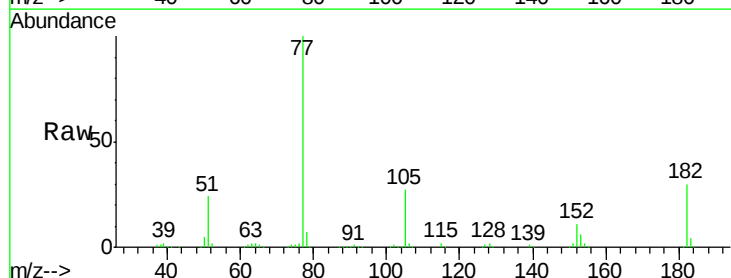
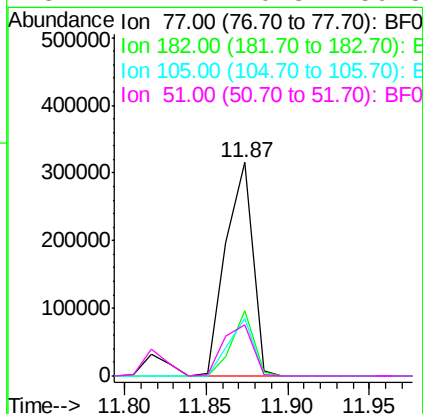
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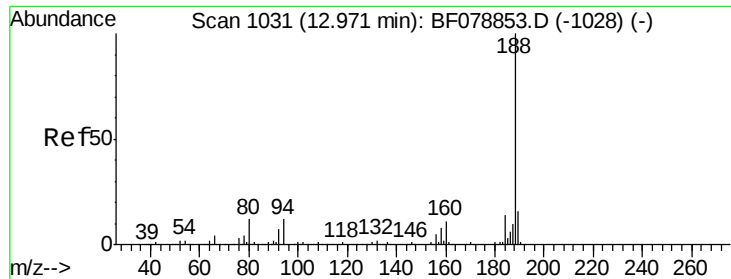
apatel  
5/14/2015 5:03:25 PM



#62  
Azobenzene  
Concen: 43.33 ng  
RT: 11.87 min Scan# 935  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 182     | 30.5  | 3.8  | 43.8  |       |
| 105     | 26.7  | 3.9  | 43.9  |       |
| 51      | 24.2  | 10.8 | 50.8  |       |





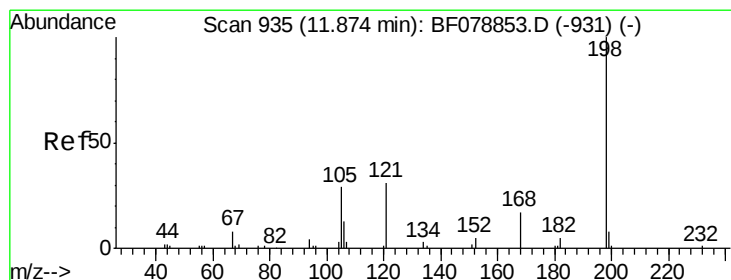
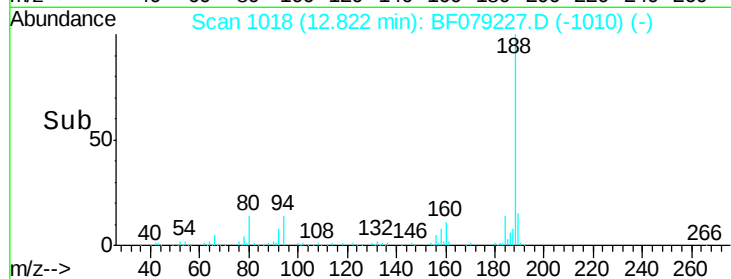
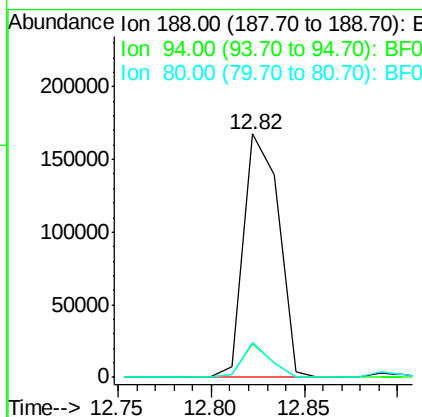
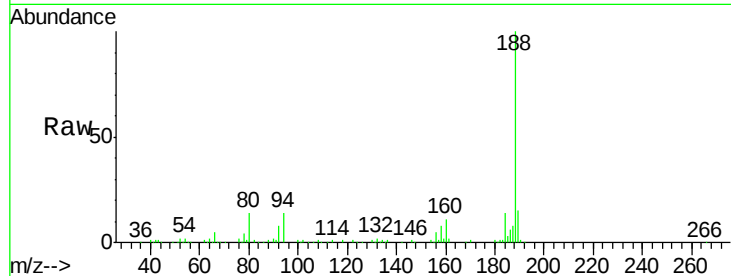
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.82 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 14.1  | 8.2        | 12.2# |
| 80      | 14.2  | 8.9        | 13.3# |

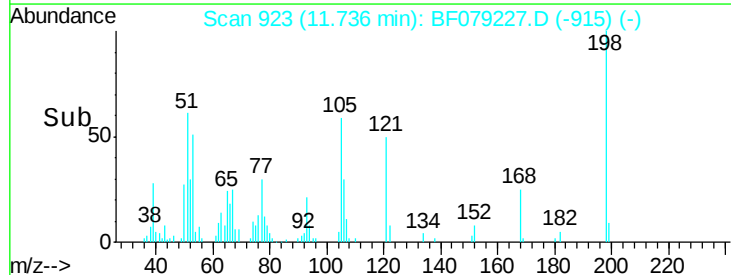
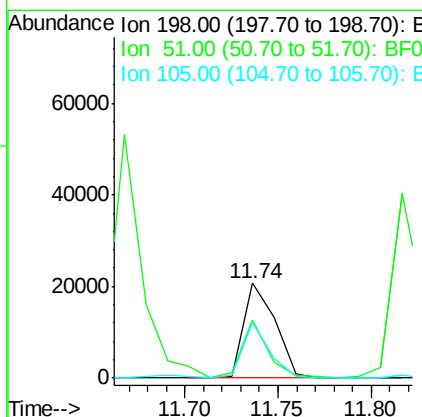
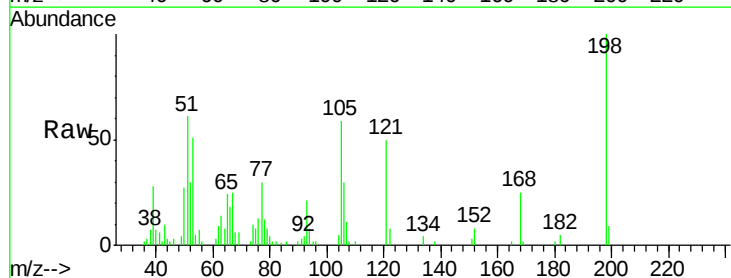
Manual Integrations  
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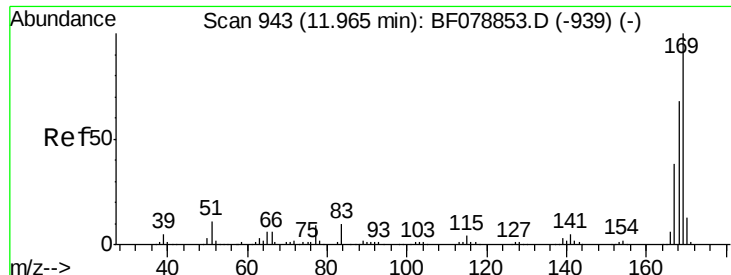
apatel  
5/14/2015 5:03:25 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 30.98 ng  
RT: 11.74 min Scan# 923  
Delta R.T. -0.01 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 198     | 100   |            |       |
| 51      | 61.5  | 47.3       | 87.3  |
| 105     | 59.0  | 38.8       | 78.8  |





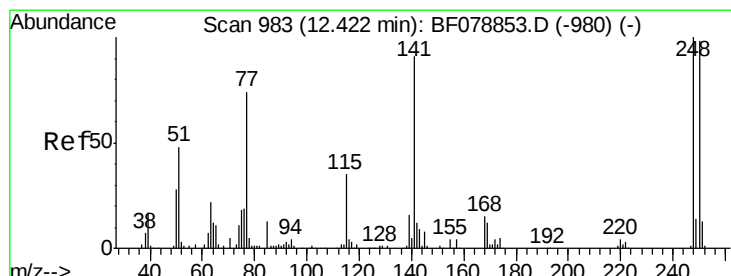
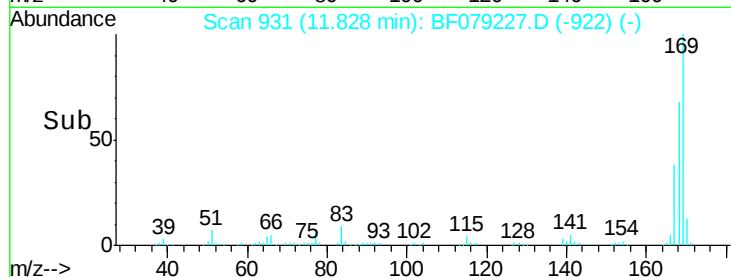
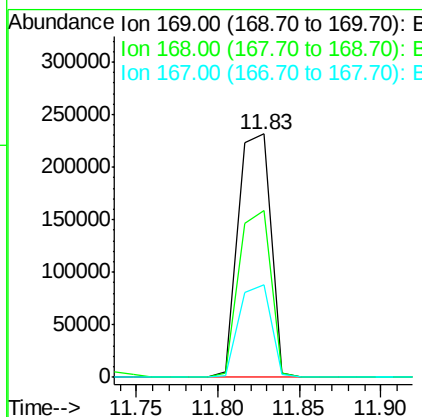
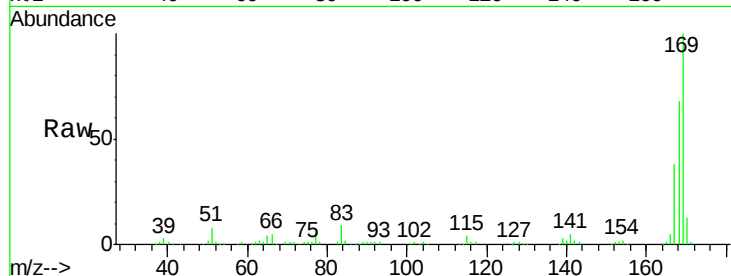
#65  
n-Nitrosodiphenylamine  
Concen: 43.71 ng  
RT: 11.83 min Scan# 931  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 318350 |       |       |
| 168     | 68.3  | 54.6   | 82.0  |       |
| 167     | 38.1  | 30.6   | 45.8  |       |

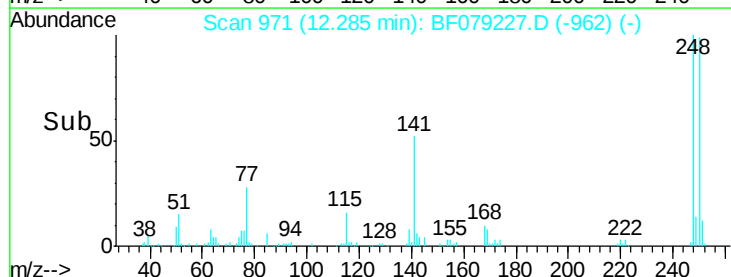
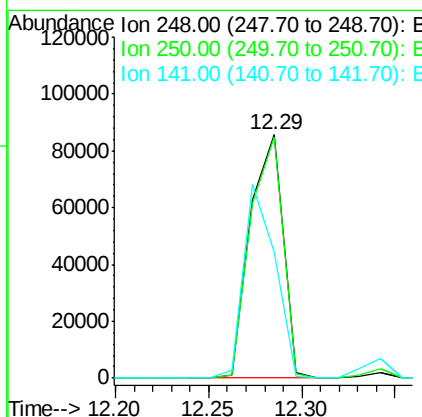
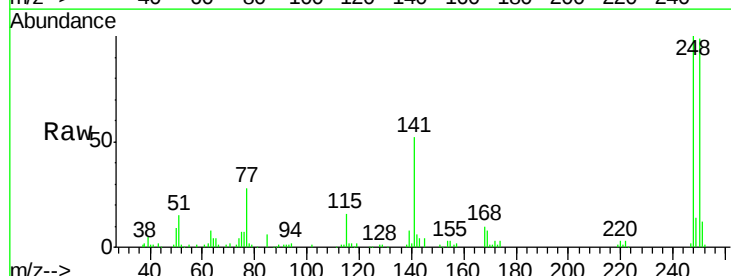
Manual Integrations  
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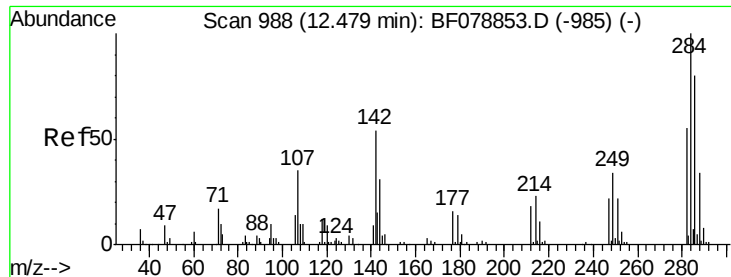
apatel  
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#66  
4-Bromophenyl-phenylether  
Concen: 45.72 ng  
RT: 12.29 min Scan# 971  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 104204 |       |       |
| 250     | 98.8  | 77.1   | 115.7 |       |
| 141     | 51.6  | 58.8   | 88.2  |       |





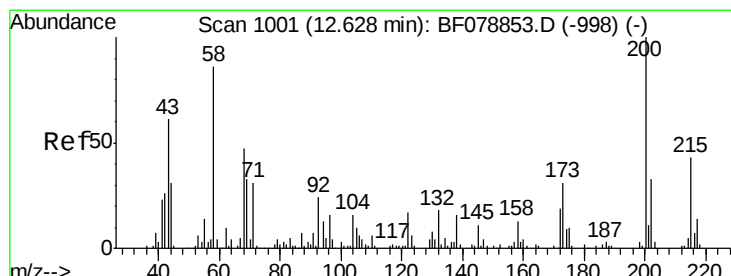
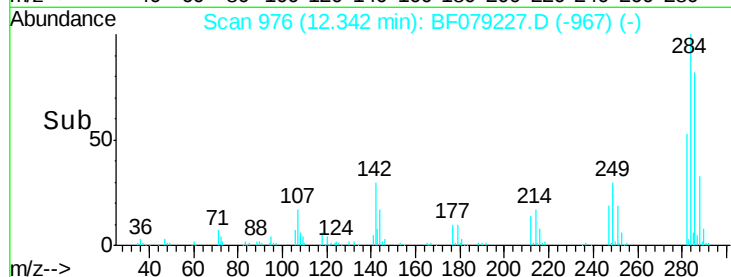
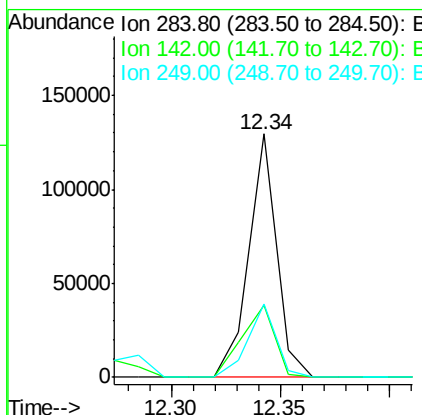
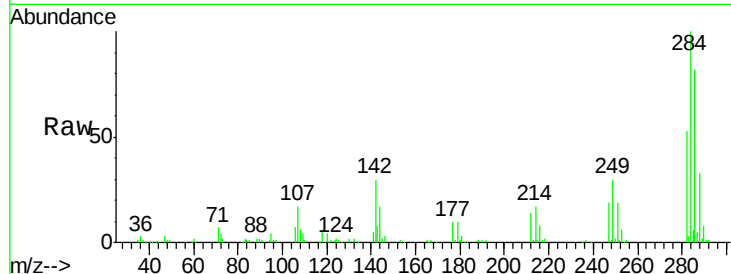
#67  
Hexachlorobenzene  
Concen: 44.25 ng  
RT: 12.34 min Scan# 976  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 284     | 100   |            |       |
| 142     | 29.8  | 35.2       | 52.8# |
| 249     | 30.2  | 25.4       | 38.2  |

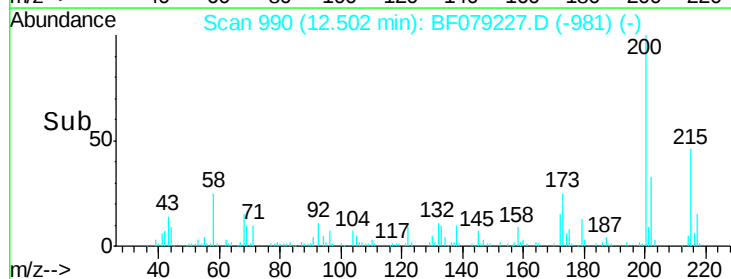
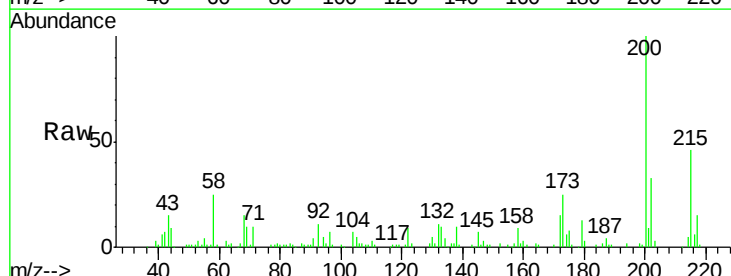
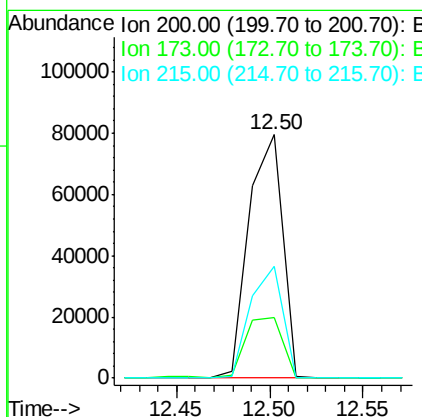
Manual Integrations  
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#68  
Atrazine  
Concen: 47.11 ng  
RT: 12.50 min Scan# 990  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 24.7  | 8.1        | 48.1  |
| 215     | 46.2  | 22.9       | 62.9  |





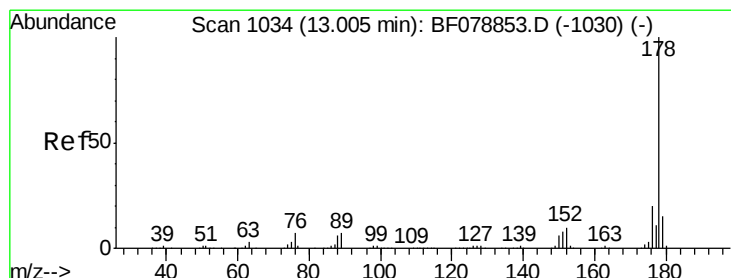
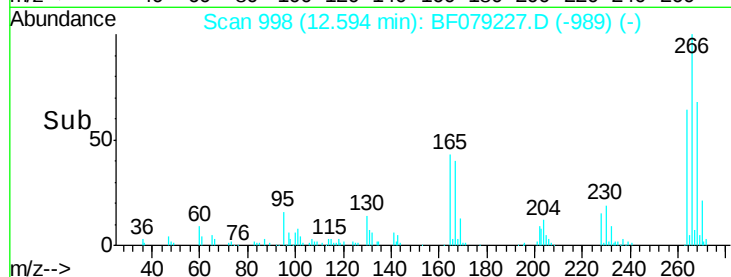
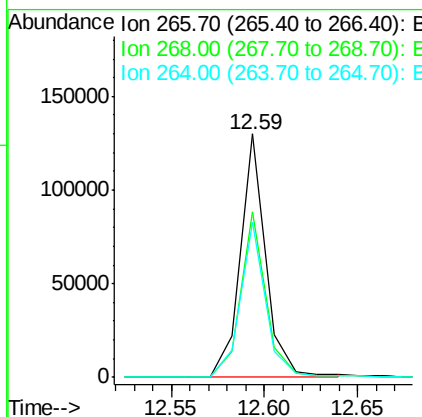
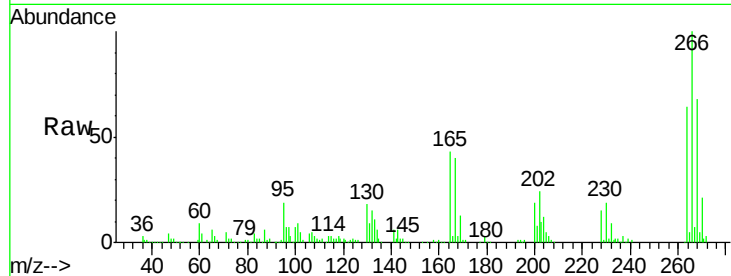
#69  
 Pentachlorophenol  
 Concen: 81.27 ng  
 RT: 12.59 min Scan# 998  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 124064 |       |       |
| 268     | 68.0  | 55.0   | 82.6  |       |
| 264     | 63.7  | 48.2   | 72.2  |       |

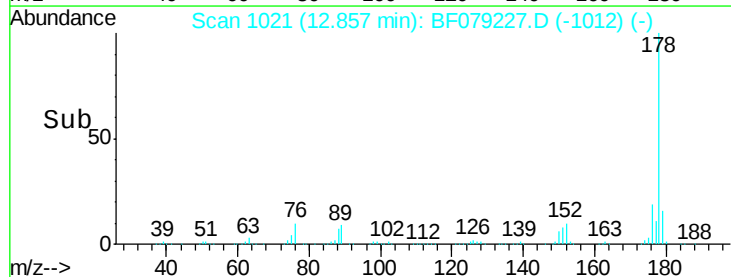
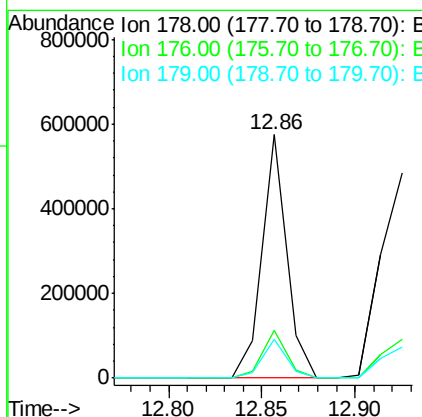
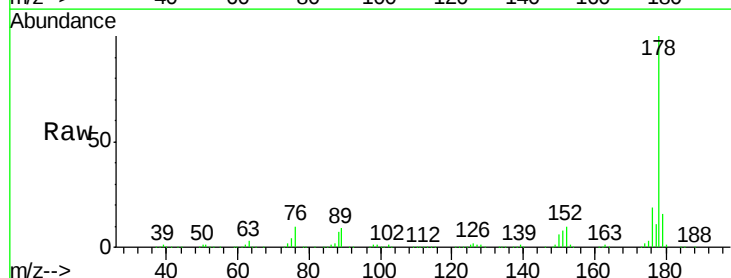
Manual Integrations  
 APPROVED

apatel  
 5/14/2015 5:03:25 PM



#70  
 Phenanthrene  
 Concen: 42.98 ng  
 RT: 12.86 min Scan# 1021  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 525865 |       |       |
| 176     | 19.4  | 15.8   | 23.8  |       |
| 179     | 15.9  | 12.5   | 18.7  |       |





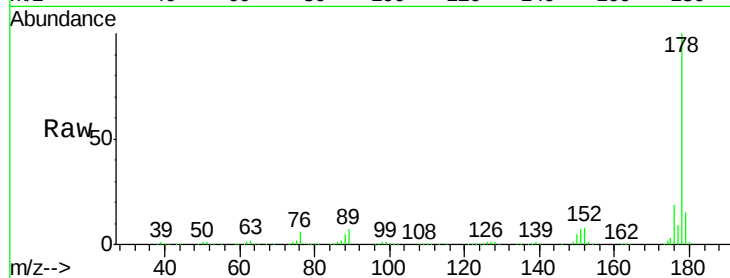
#71  
 Anthracene  
 Concen: 45.49 ng  
 RT: 12.93 min Scan# 1027  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

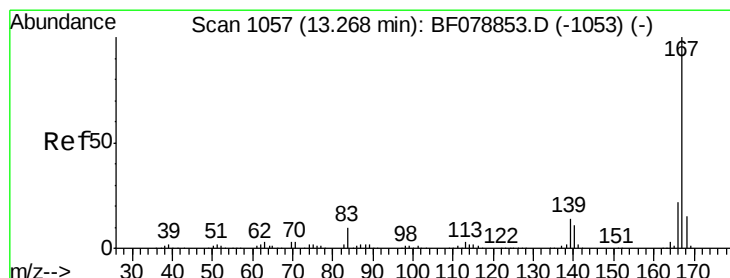
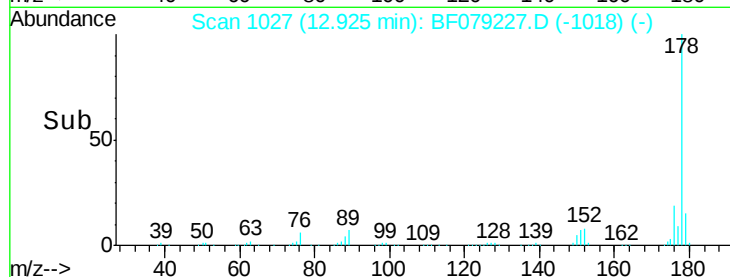
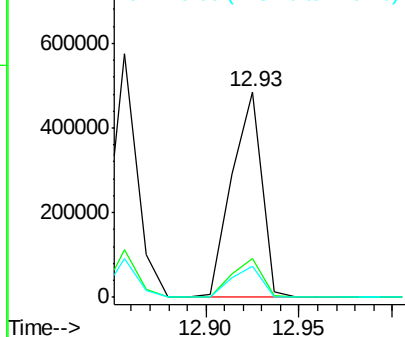
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.5  | 23.3  |
| 179     | 15.2  | 12.7  | 19.1  |

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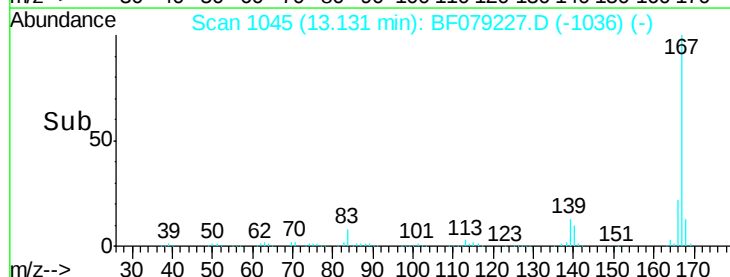
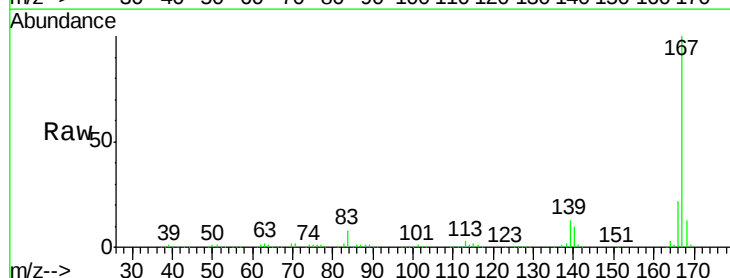
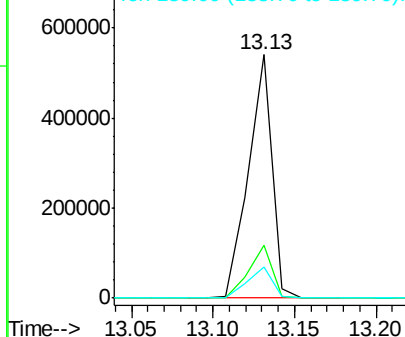
Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

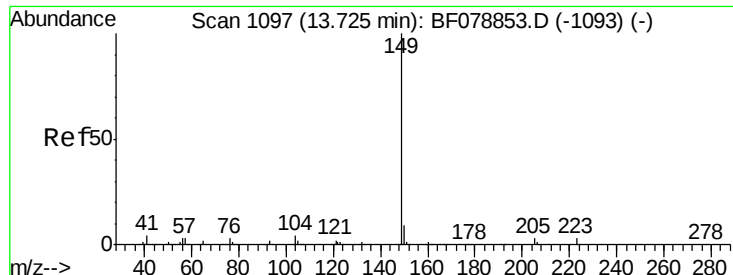


#72  
 Carbazole  
 Concen: 47.50 ng  
 RT: 13.13 min Scan# 1045  
 Delta R.T. 0.00 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.5  | 17.8  | 26.8  |
| 139     | 12.5  | 10.6  | 16.0  |

Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 47.00 ng

RT: 13.58 min Scan# 1084

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

Instrument :

BNA\_F

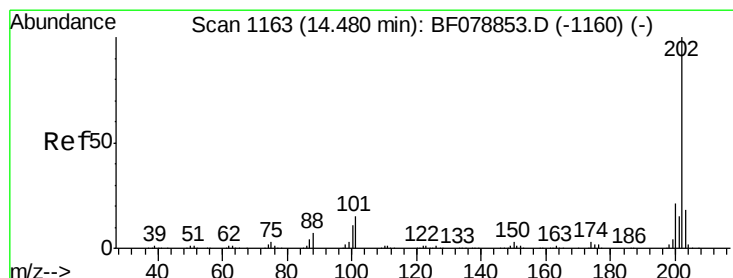
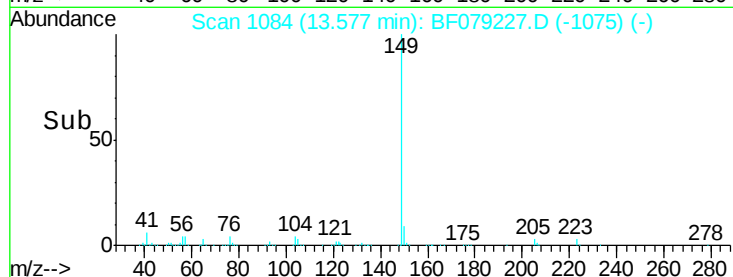
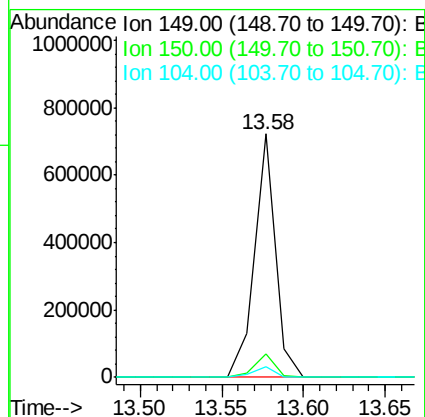
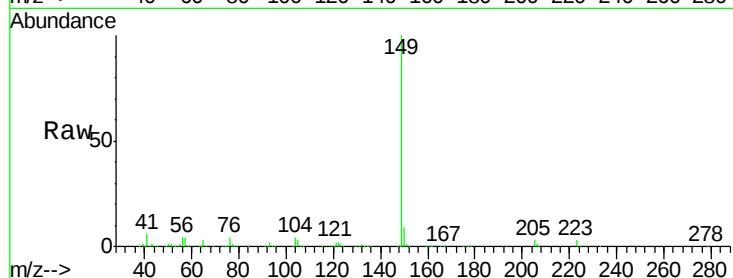
ClientSampleId :

PS-31(0-10)MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 644806 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.4   | 7.7   | 11.5   |
| 104       | 4.2   | 4.6   | 7.0    |

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#74

Fluoranthene

Concen: 45.65 ng

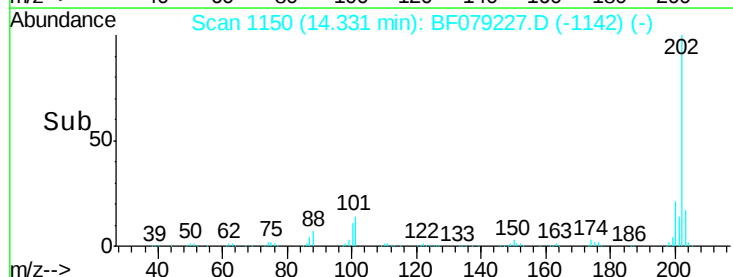
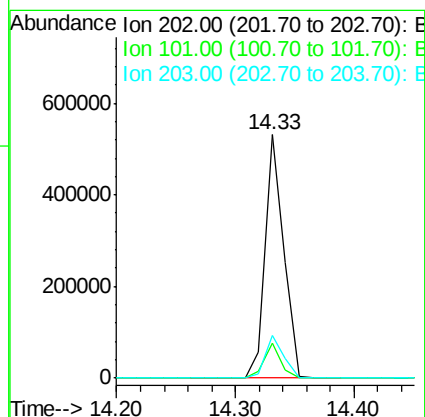
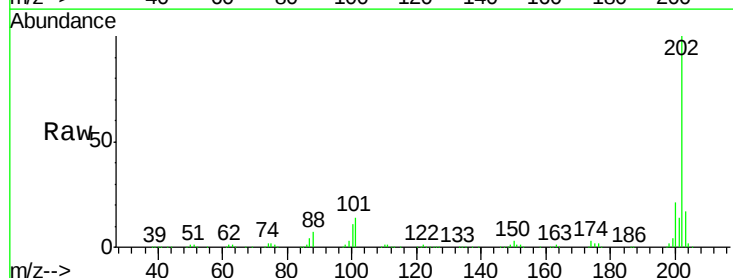
RT: 14.33 min Scan# 1150

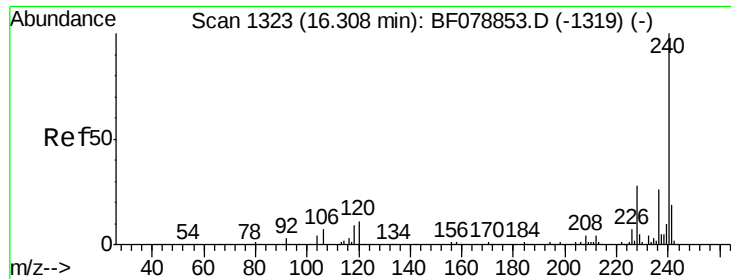
Delta R.T. -0.01 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 581935 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 14.4  | 0.0   | 34.6   |
| 203       | 17.5  | 0.0   | 38.4   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.13 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

Instrument :

BNA\_F

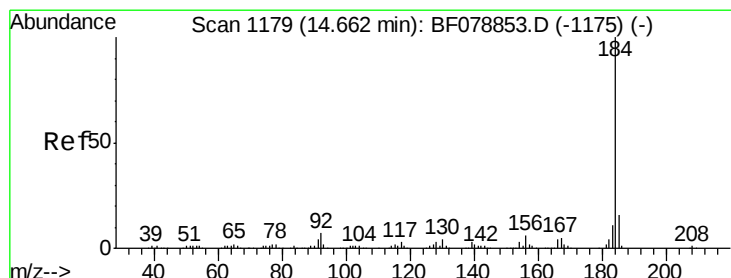
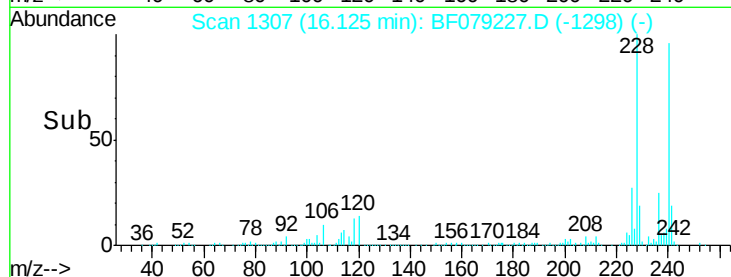
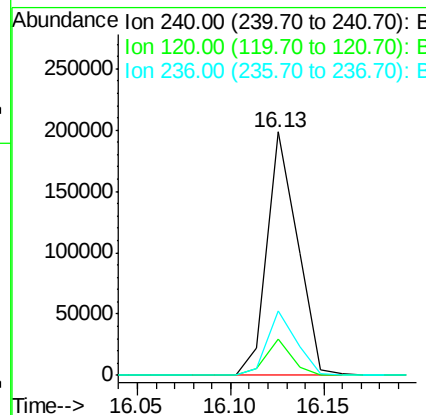
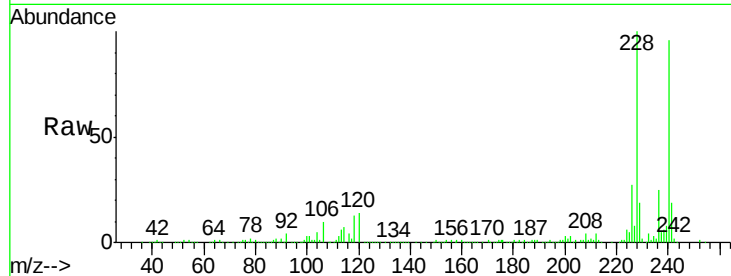
ClientSampleId :

PS-31(0-10)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 15.1  | 9.7   | 14.5# |
| 236     | 26.4  | 20.2  | 30.4  |

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#76

Benzidine

Concen: 25.88 ng

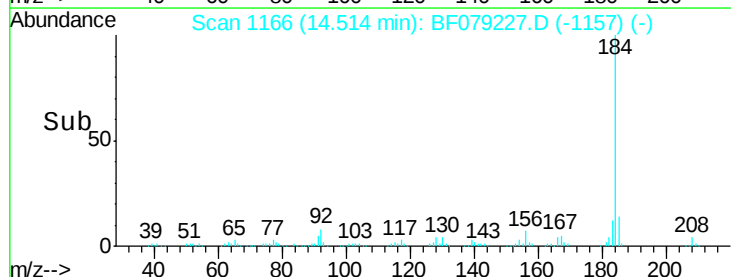
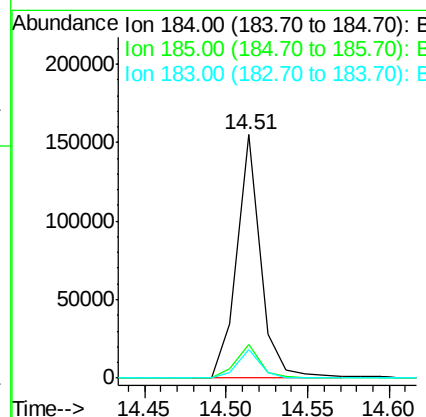
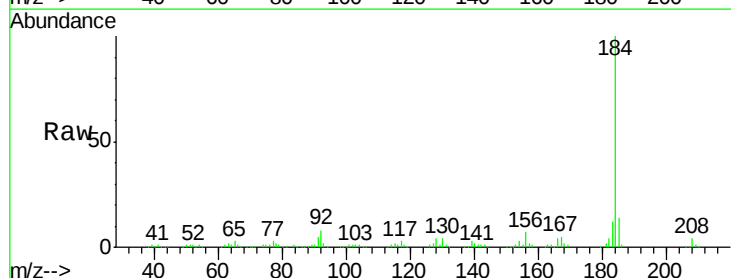
RT: 14.51 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BF079227.D

Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 13.6  | 12.3  | 18.5  |
| 183     | 11.6  | 8.4   | 12.6  |





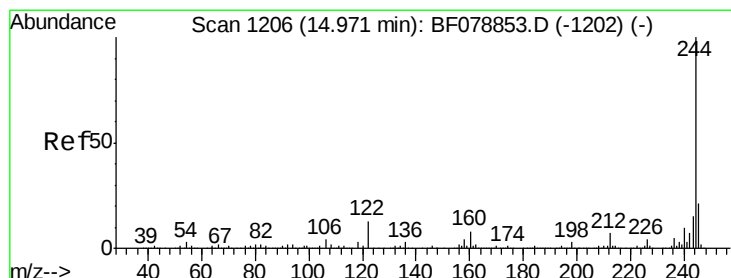
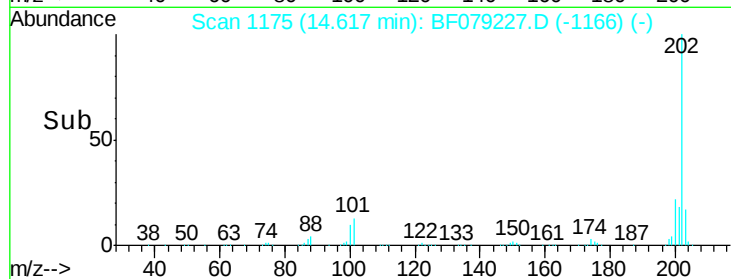
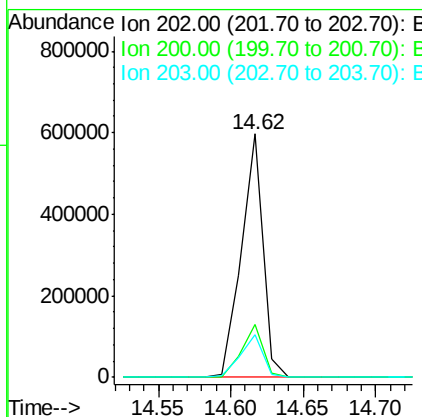
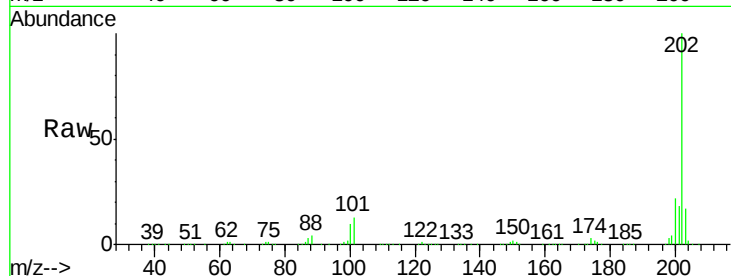
#77  
Pvrene  
Concen: 47.86 ng  
RT: 14.62 min Scan# 1175  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 200     | 21.6  | 17.5 | 26.3  |       |
| 203     | 17.3  | 13.9 | 20.9  |       |

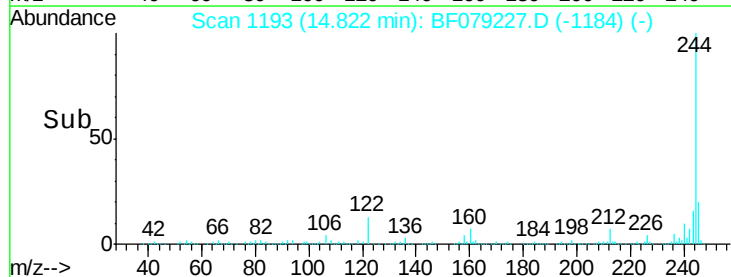
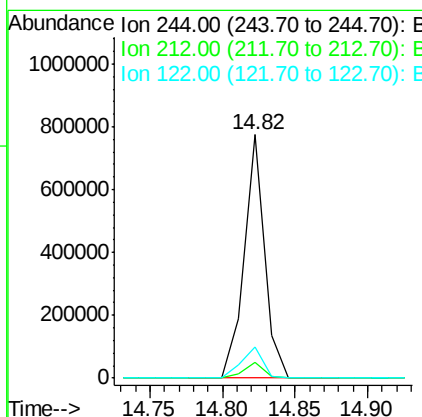
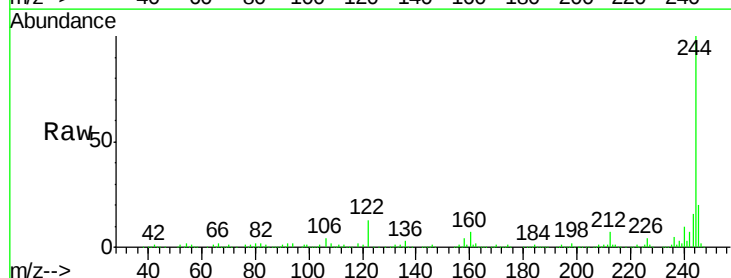
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#78  
Terphenyl-d14  
Concen: 81.05 ng  
RT: 14.82 min Scan# 1193  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   |      |       |       |
| 212     | 6.7   | 5.6  | 8.4   |       |
| 122     | 12.8  | 10.3 | 15.5  |       |





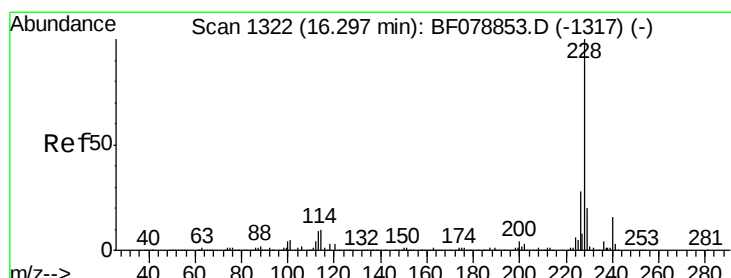
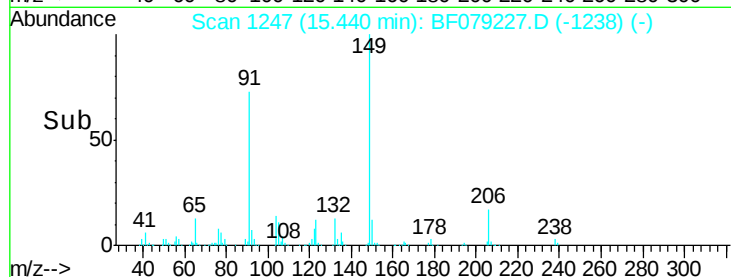
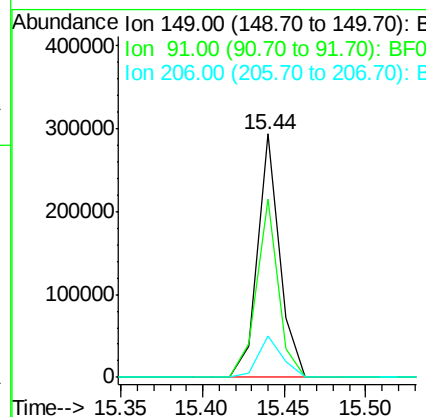
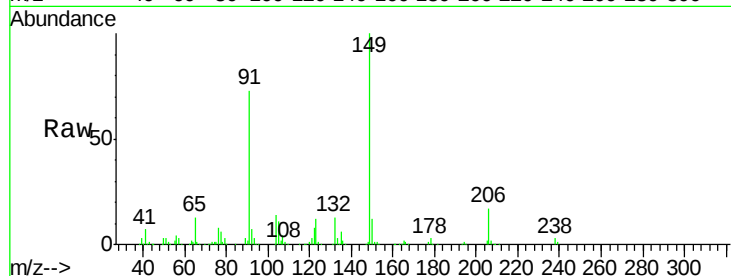
#79  
Butylbenzylphthalate  
Concen: 49.24 ng  
RT: 15.44 min Scan# 1247  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 91      | 73.4  | 64.6       | 97.0  |
| 206     | 17.2  | 12.2       | 18.4  |

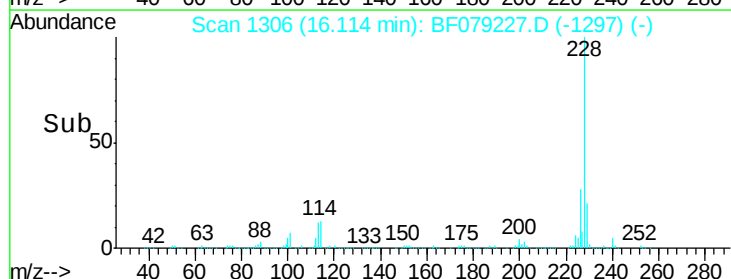
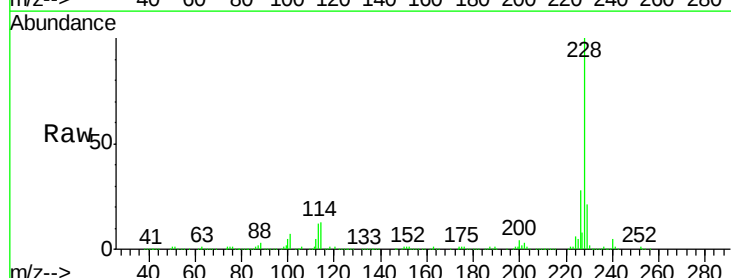
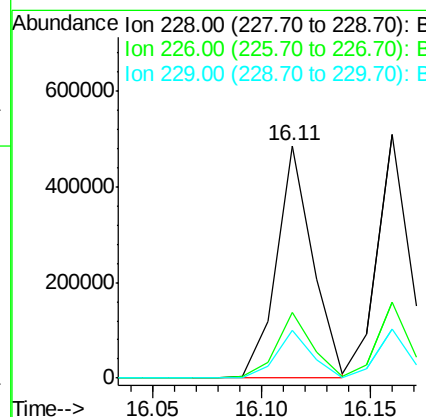
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#80  
Benzo(a)anthracene  
Concen: 46.08 ng  
RT: 16.11 min Scan# 1306  
Delta R.T. 0.00 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 28.3  | 22.6       | 33.8  |
| 229     | 20.6  | 15.9       | 23.9  |





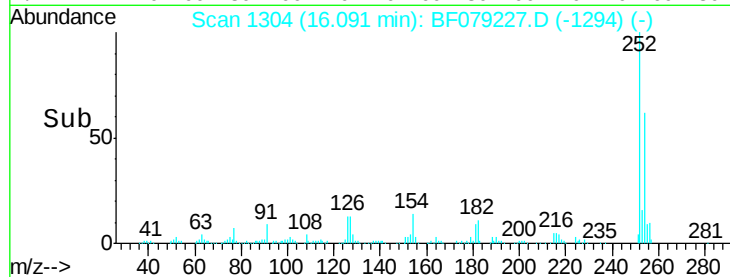
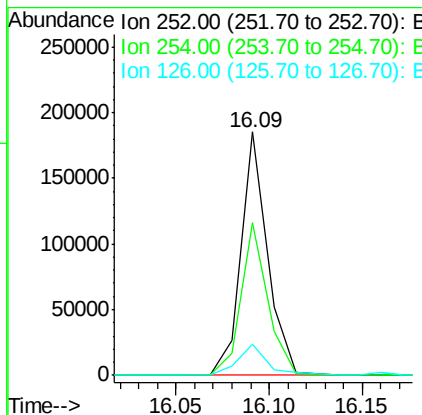
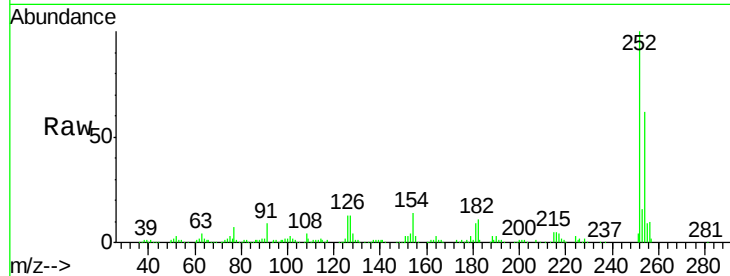
#81  
 3,3'-Dichlorobenzidine  
 Concen: 42.25 ng  
 RT: 16.09 min Scan# 1304  
 Delta R.T. 0.01 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 62.5  | 51.3       | 76.9  |
| 126     | 12.6  | 6.6        | 10.0  |

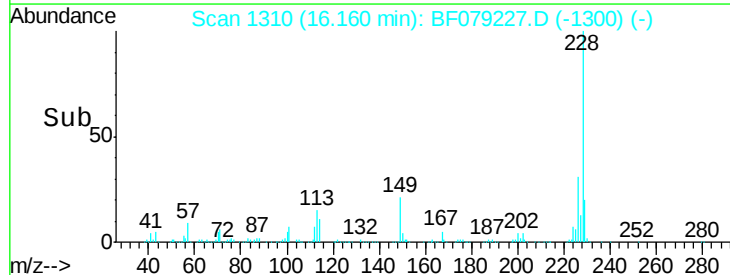
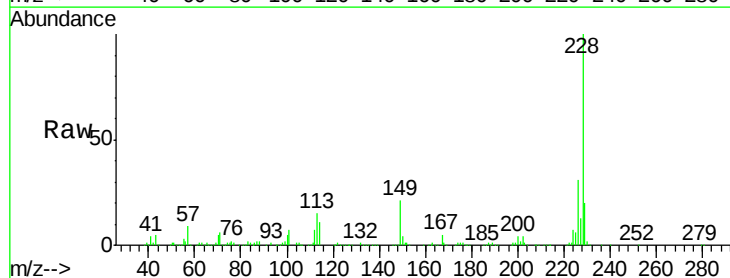
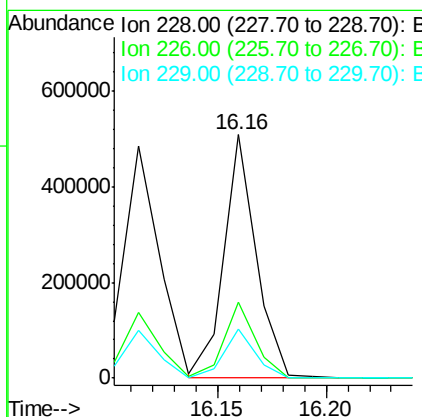
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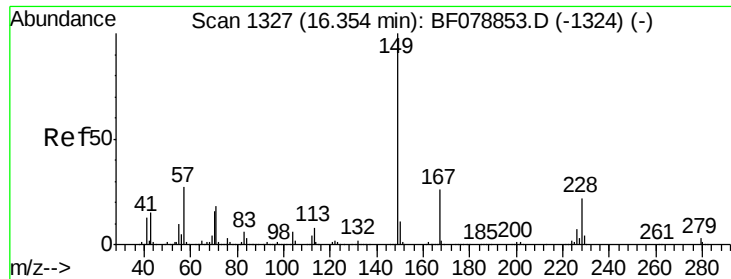
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#82  
 Chrysene  
 Concen: 43.92 ng  
 RT: 16.16 min Scan# 1310  
 Delta R.T. 0.01 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 31.2  | 24.9       | 37.3  |
| 229     | 20.1  | 16.0       | 24.0  |





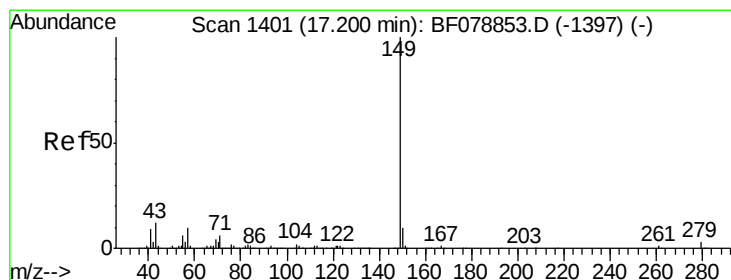
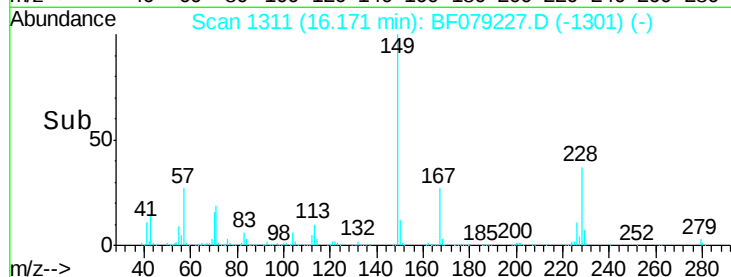
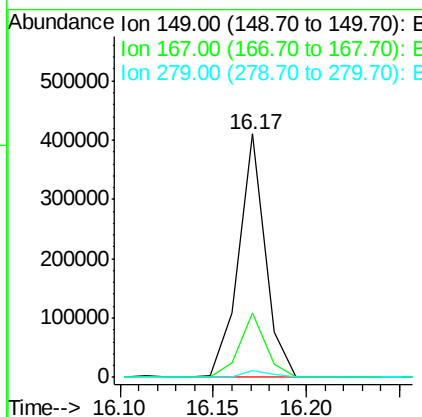
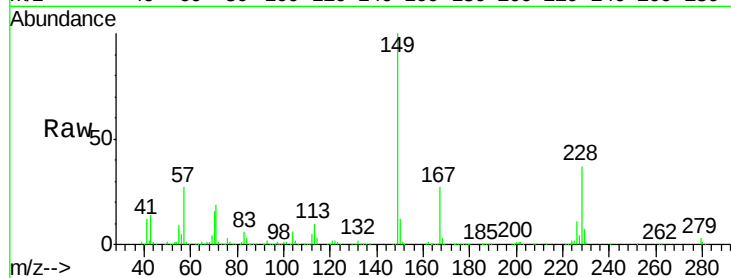
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 48.10 ng  
 RT: 16.17 min Scan# 1311  
 Delta R.T. 0.01 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 149     | 100  |       | 411451 |       |       |
| 167     | 26.7 |       | 21.8   | 32.8  |       |
| 279     | 3.0  |       | 2.9    | 4.3   |       |

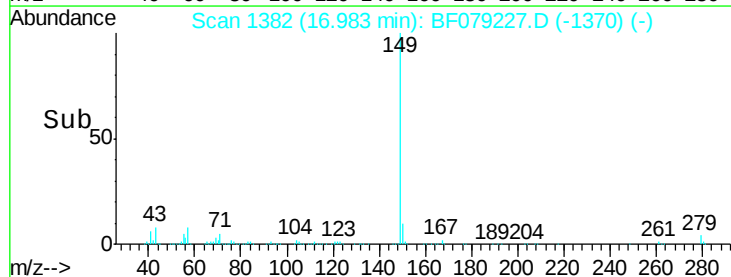
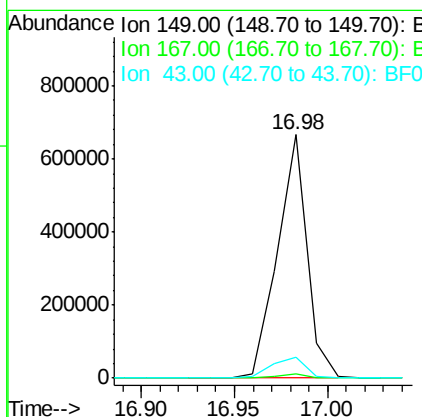
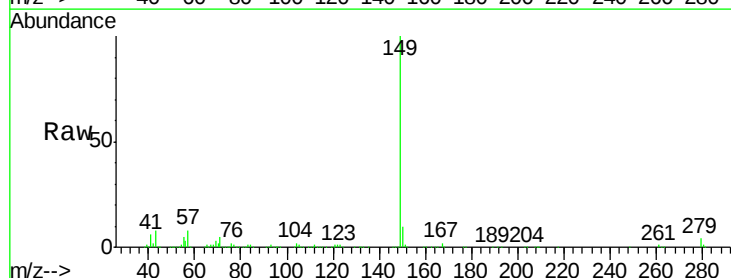
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#84  
 Di-n-octyl phthalate  
 Concen: 48.73 ng  
 RT: 16.98 min Scan# 1382  
 Delta R.T. 0.03 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 149     | 100 |       | 734228 |       |       |
| 167     | 1.5 |       | 0.0    | 0.0#  |       |
| 43      | 9.4 |       | 0.0    | 0.0#  |       |





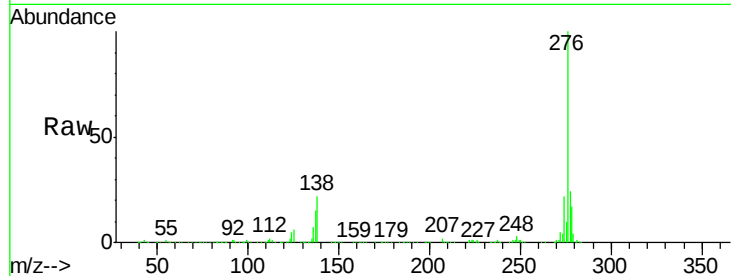
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 44.66 ng  
RT: 19.34 min Scan# 1588  
Delta R.T. 0.05 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

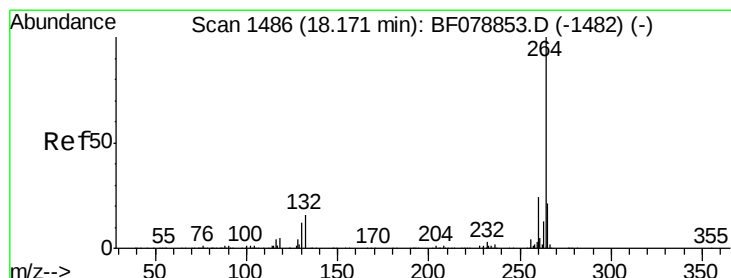
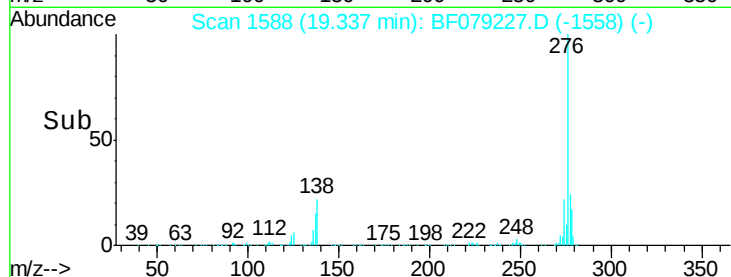
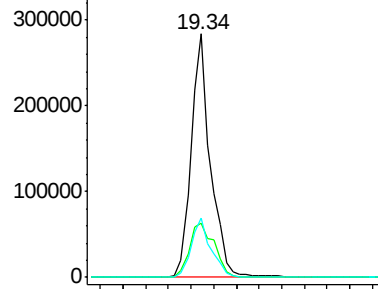
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 138     | 29.0  | 0.0        | 0.0#  |
| 277     | 25.4  | 0.0        | 0.0#  |

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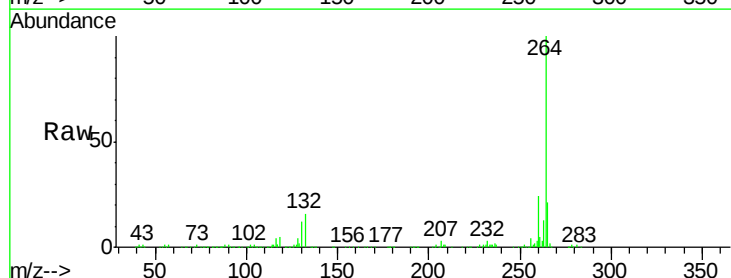


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

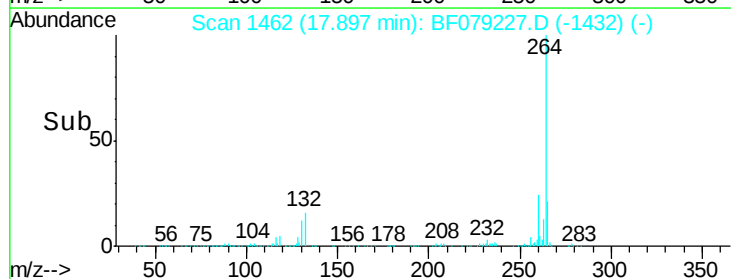
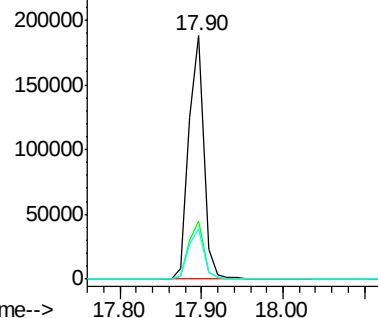


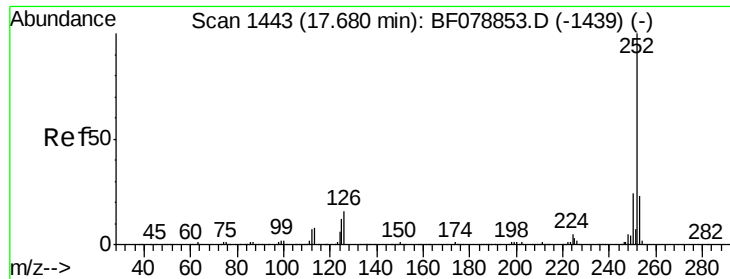
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.90 min Scan# 1462  
Delta R.T. 0.05 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 264     | 100   |            |       |
| 260     | 23.7  | 19.4       | 29.2  |
| 265     | 20.5  | 18.3       | 27.5  |



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E





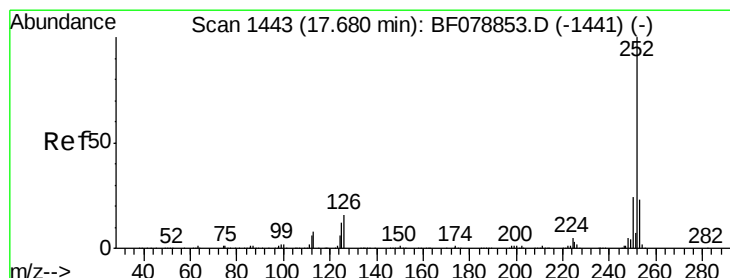
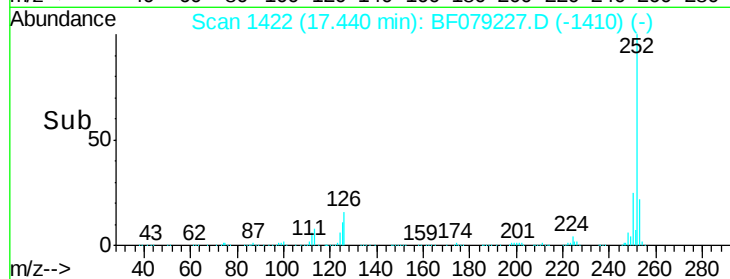
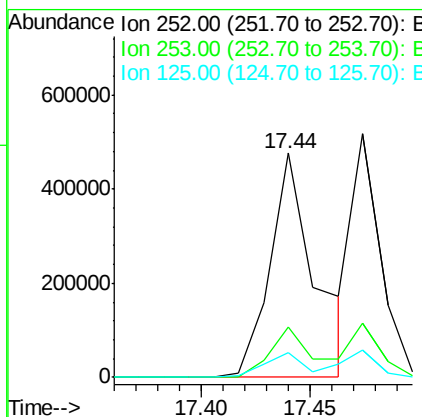
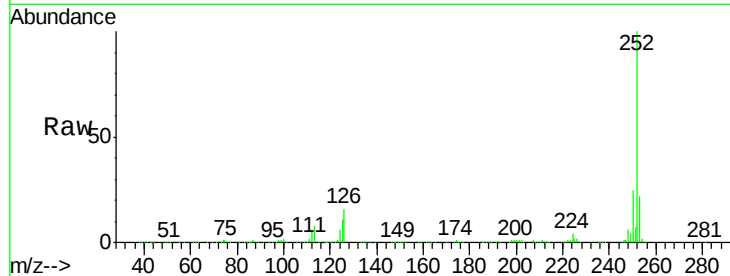
#87  
Benzo(b)fluoranthene  
Concen: 52.16 ng  
RT: 17.44 min Scan# 1422  
Delta R.T. 0.03 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.3  | 17.7       | 26.5  |
| 125     | 11.1  | 9.5        | 14.3  |

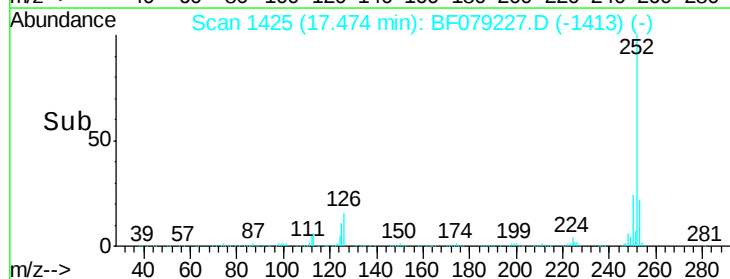
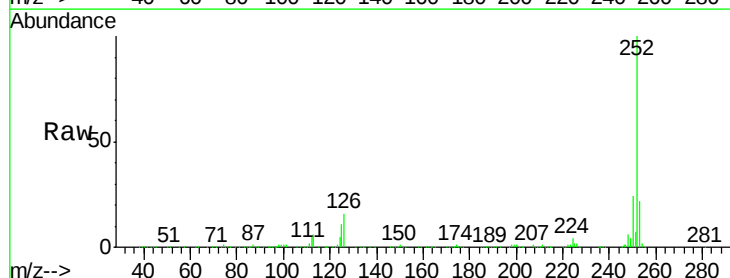
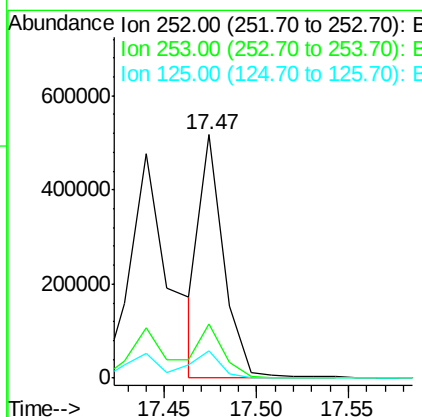
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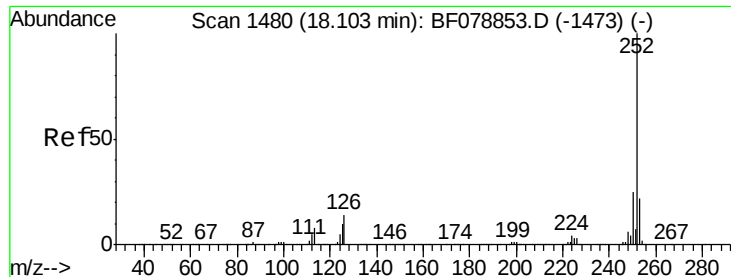
apatel  
5/14/2015 5:03:25 PM



#88  
Benzo(k)fluoranthene  
Concen: 37.37 ng m  
RT: 17.47 min Scan# 1425  
Delta R.T. 0.03 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.3  | 18.1       | 27.1  |
| 125     | 11.0  | 10.0       | 15.0  |





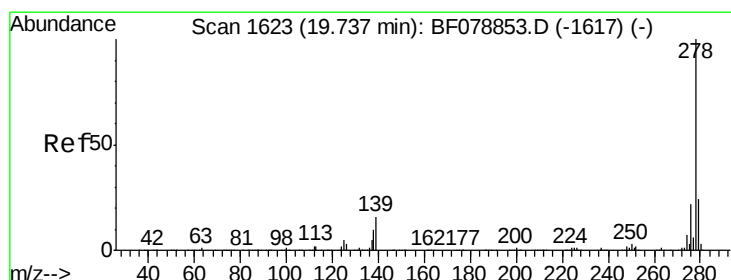
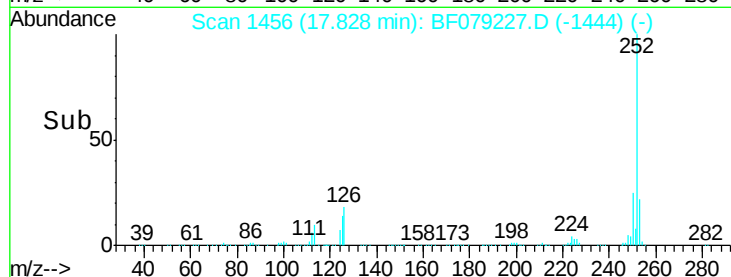
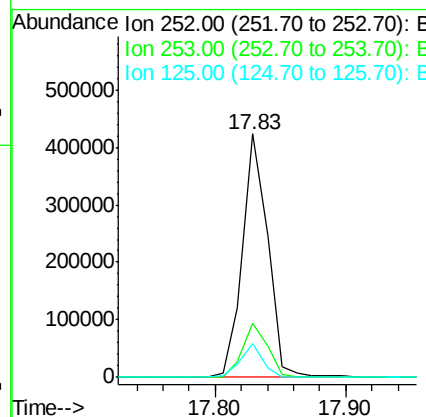
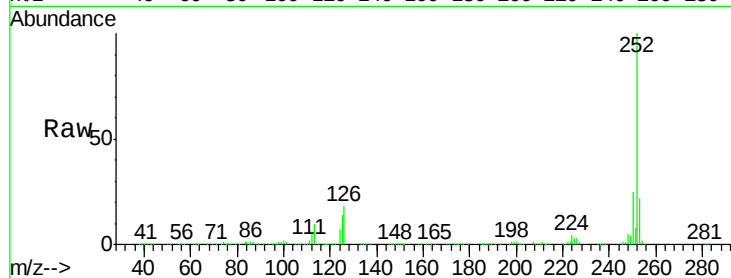
#89  
Benzo(a)pyrene  
Concen: 46.69 ng  
RT: 17.83 min Scan# 1456  
Delta R.T. 0.03 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

Instrument :  
BNA\_F  
ClientSampleId :  
PS-31(0-10)MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.4  | 17.3       | 25.9  |
| 125     | 13.8  | 7.0        | 10.6  |

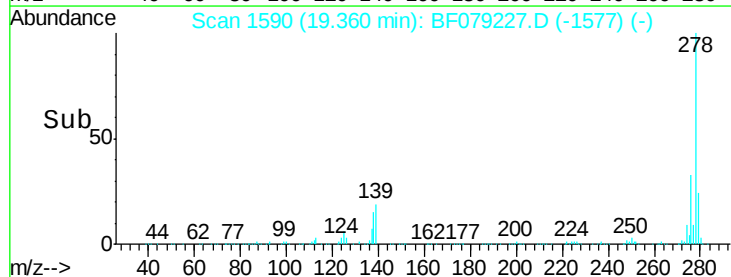
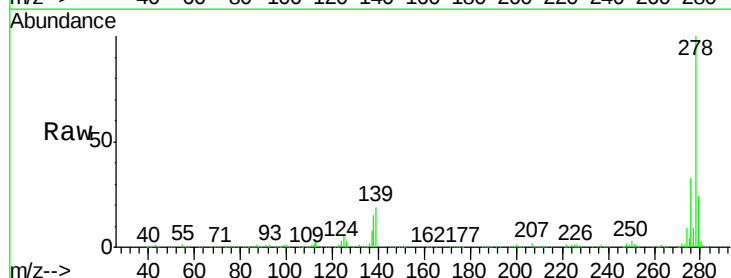
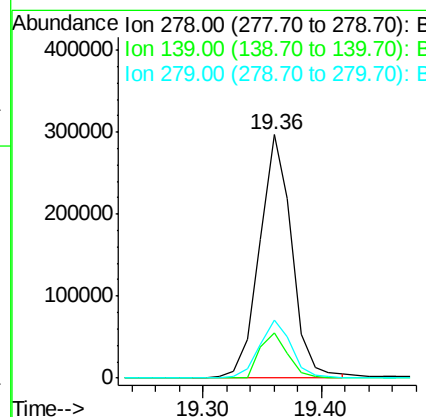
Manual Integrations  
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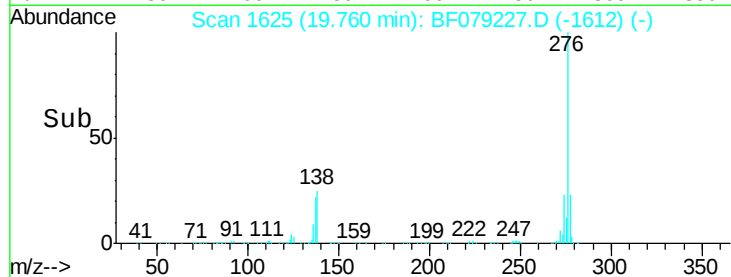
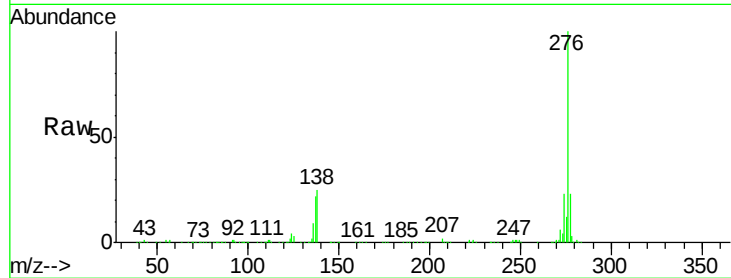
apatel  
5/14/2015 5:03:25 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 43.64 ng  
RT: 19.36 min Scan# 1590  
Delta R.T. 0.05 min  
Lab File: BF079227.D  
Acq: 14 May 2015 8:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 278     | 100   |            |       |
| 139     | 18.5  | 12.8       | 19.2  |
| 279     | 24.0  | 19.6       | 29.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 41.23 ng  
 RT: 19.76 min Scan# 1625  
 Delta R.T. 0.05 min  
 Lab File: BF079227.D  
 Acq: 14 May 2015 8:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-31(0-10)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.3  | 18.6  | 28.0  |
| 138     | 25.2  | 17.4  | 26.0  |

Manual Integrations  
 APPROVED

apatel  
 5/14/2015 5:03:25 PM

