

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\  
 Data File : BF079451.D  
 Acq On : 22 May 2015 23:49  
 Operator : TP/IZ  
 Sample : PB83563BS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83563BS

Manual Integrations  
 APPROVED

apatel  
 5/27/2015 8:16:53 AM

Quant Time: May 23 00:35:34 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 22 22:53:44 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.05  | 152  | 69836    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.63  | 136  | 281681   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.80 | 164  | 136975   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 12.63 | 188  | 256201   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 15.91 | 240  | 240740   | 20.00 | ng    | -0.06    |
| 86) Perylene-d12          | 17.62 | 264  | 244576   | 20.00 | ng    | -0.23    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.34  | 112 | 514523m | 126.82 | ng | 0.01 |
| 7) Phenol-d6             | 6.63  | 99  | 643053  | 119.91 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.75  | 82  | 368238  | 75.13  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.78 | 330 | 198134  | 133.71 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.98  | 172 | 763767  | 77.68  | ng | 0.00 |
| 78) Terphenyl-d14        | 14.63 | 244 | 840814  | 83.62  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.92 | 88  | 64680m  | 36.67 | ng |        |
| 3) Pyridine                    | 2.59 | 79  | 161624m | 31.31 | ng |        |
| 4) n-Nitrosodimethylamine      | 2.51 | 42  | 80147m  | 36.24 | ng |        |
| 6) Aniline                     | 6.64 | 93  | 176066m | 23.26 | ng |        |
| 8) 2-Chlorophenol              | 6.79 | 128 | 190336  | 41.36 | ng | 84     |
| 9) Benzaldehyde                | 6.50 | 77  | 29699m  | 8.22  | ng |        |
| 10) Phenol                     | 6.65 | 94  | 241581  | 38.83 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 6.75 | 93  | 172432  | 37.81 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.97 | 146 | 200351  | 38.74 | ng | # 95   |
| 13) 1,4-Dichlorobenzene        | 7.07 | 146 | 200942  | 37.75 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.26 | 146 | 191197  | 38.59 | ng | 97     |
| 15) Benzyl Alcohol             | 7.24 | 79  | 159811m | 40.14 | ng |        |
| 16) 2,2'-oxybis(1-Chloropropan | 7.42 | 45  | 252513  | 36.19 | ng | 94     |
| 17) 2-Methylphenol             | 7.39 | 107 | 153832  | 41.54 | ng | 94     |
| 18) Hexachloroethane           | 7.67 | 117 | 71405   | 38.95 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.58 | 70  | 135982  | 37.54 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.59 | 107 | 207600  | 42.08 | ng | # 47   |
| 22) Acetophenone               | 7.56 | 105 | 261825  | 41.14 | ng | # 88   |
| 24) Nitrobenzene               | 7.77 | 77  | 192333  | 39.59 | ng | # 91   |
| 25) Isophorone                 | 8.07 | 82  | 349734  | 38.49 | ng | # 90   |
| 26) 2-Nitrophenol              | 8.17 | 139 | 87761   | 43.65 | ng | 92     |
| 27) 2,4-Dimethylphenol         | 8.24 | 122 | 178261  | 44.30 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 8.35 | 93  | 224025  | 39.99 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.47 | 162 | 166313  | 46.48 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 8.56 | 180 | 158572  | 40.35 | ng | 96     |
| 31) Naphthalene                | 8.65 | 128 | 544489  | 40.57 | ng | 99     |
| 32) Benzoic acid               | 8.38 | 122 | 93983m  | 38.70 | ng |        |
| 33) 4-Chloroaniline            | 8.74 | 127 | 134126  | 23.62 | ng | # 88   |
| 34) Hexachlorobutadiene        | 8.81 | 225 | 87657   | 38.73 | ng | 99     |
| 35) Caprolactam                | 9.18 | 113 | 50815m  | 43.92 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 9.36 | 107 | 166918  | 44.42 | ng | 98     |
| 37) 2-Methylnaphthalene        | 9.51 | 142 | 386251  | 41.53 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.72 | 216 | 152360  | 39.50 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.70 | 237 | 99180   | 51.13 | ng | 96     |

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 Misc :  
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Instrument :  
 BNA\_F  
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 PB83563BS

Manual Integrations  
 APPROVED

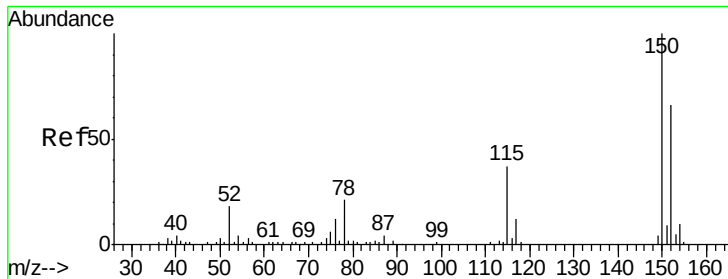
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 5/27/2015 8:16:53 AM

Quant Time: May 23 00:35:34 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 22 22:53:44 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.87  | 196  | 107998   | 40.72 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.92  | 196  | 113200   | 42.22 | nq #  | 87       |
| 45) 1,1'-Biphenyl              | 10.09 | 154  | 449306   | 41.26 | nq    | 96       |
| 46) 2-Chloronaphthalene        | 10.11 | 162  | 358229   | 42.18 | nq    | 96       |
| 47) 2-Nitroaniline             | 10.25 | 65   | 102184   | 41.52 | nq    | 88       |
| 48) Acenaphthylene             | 10.62 | 152  | 572915   | 41.08 | nq    | 99       |
| 49) Dimethylphthalate          | 10.49 | 163  | 426414   | 42.42 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 10.56 | 165  | 86357    | 43.53 | nq #  | 52       |
| 51) Acenaphthene               | 10.83 | 154  | 332390   | 39.97 | nq    | 99       |
| 52) 3-Nitroaniline             | 10.76 | 138  | 80601    | 32.52 | nq    | 86       |
| 53) 2,4-Dinitrophenol          | 10.91 | 184  | 45508    | 63.27 | nq #  | 57       |
| 54) Dibenzofuran               | 11.05 | 168  | 504093   | 41.96 | nq    | 98       |
| 55) 4-Nitrophenol              | 10.99 | 139  | 125673   | 64.07 | nq    | 86       |
| 56) 2,4-Dinitrotoluene         | 11.06 | 165  | 120198   | 45.83 | nq    | 98       |
| 57) Fluorene                   | 11.47 | 166  | 411268   | 41.71 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.21 | 232  | 90101    | 41.12 | nq    | 99       |
| 59) Diethylphthalate           | 11.36 | 149  | 409735   | 41.14 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 11.49 | 204  | 179207   | 40.97 | nq    | 96       |
| 61) 4-Nitroaniline             | 11.52 | 138  | 99086    | 39.97 | nq    | 93       |
| 62) Azobenzene                 | 11.68 | 77   | 409180   | 41.70 | nq    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 11.57 | 198  | 43528    | 42.69 | nq    | 78       |
| 65) n-Nitrosodiphenylamine     | 11.63 | 169  | 348605   | 40.86 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 12.09 | 248  | 113582   | 42.53 | nq    | 93       |
| 67) Hexachlorobenzene          | 12.15 | 284  | 128967   | 42.25 | nq #  | 79       |
| 68) Atrazine                   | 12.32 | 200  | 110827   | 44.67 | nq    | 94       |
| 69) Pentachlorophenol          | 12.40 | 266  | 106137   | 61.19 | nq    | 98       |
| 70) Phenanthrene               | 12.66 | 178  | 588084   | 41.03 | nq    | 99       |
| 71) Anthracene                 | 12.73 | 178  | 604496   | 42.99 | nq    | 99       |
| 72) Carbazole                  | 12.94 | 167  | 575270   | 42.92 | nq    | 100      |
| 73) Di-n-butylphthalate        | 13.39 | 149  | 661768   | 41.17 | nq    | 99       |
| 74) Fluoranthene               | 14.14 | 202  | 625042   | 41.85 | nq    | 95       |
| 76) Benzidine                  | 14.32 | 184  | 292721   | 45.12 | nq    | 98       |
| 77) Pyrene                     | 14.41 | 202  | 638417   | 46.02 | nq    | 100      |
| 79) Butylbenzylphthalate       | 15.25 | 149  | 282280   | 46.55 | nq    | 96       |
| 80) Benzo(a)anthracene         | 15.90 | 228  | 565474   | 42.89 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 15.89 | 252  | 162982   | 34.71 | nq    | 99       |
| 82) Chrysene                   | 15.94 | 228  | 549494   | 43.34 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 15.97 | 149  | 404163   | 44.00 | nq #  | 98       |
| 84) Di-n-octyl phthalate       | 16.75 | 149  | 694660   | 42.94 | nq    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 18.96 | 276  | 661966m  | 40.97 | nq    |          |
| 87) Benzo(b)fluoranthene       | 17.19 | 252  | 562477   | 42.02 | nq #  | 98       |
| 88) Benzo(k)fluoranthene       | 17.22 | 252  | 583985m  | 45.06 | nq    |          |
| 89) Benzo(a)pyrene             | 17.57 | 252  | 565993   | 45.92 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 18.98 | 278  | 557171   | 42.53 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 19.35 | 276  | 574917   | 43.79 | nq #  | 95       |

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





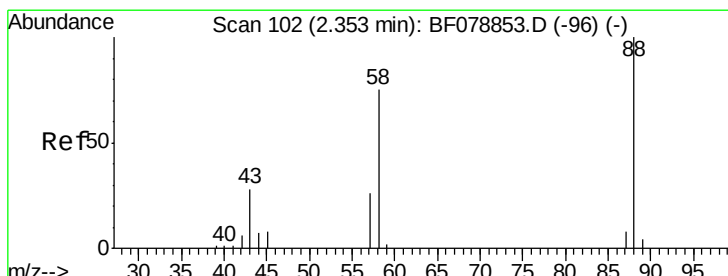
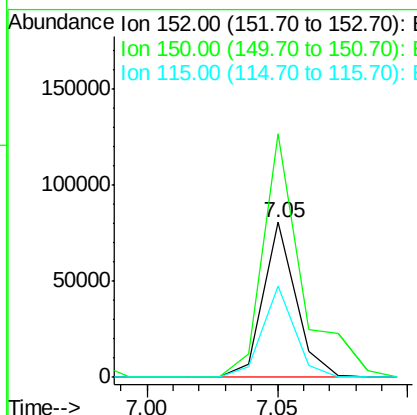
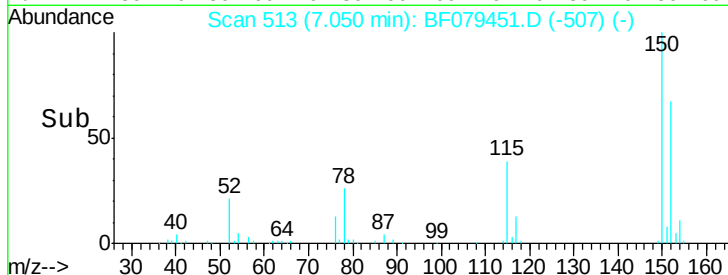
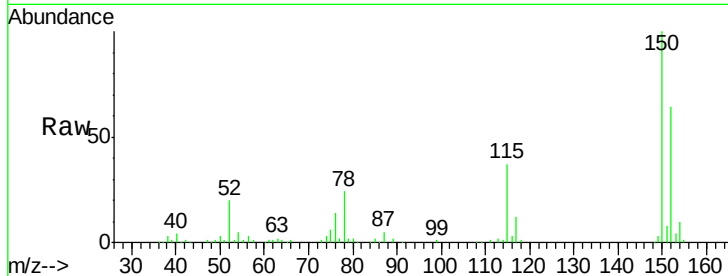
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 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.05 min Scan# 513  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83563BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 69836 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 156.9 | 123.8 | 185.8 |
| 115       | 58.7  | 49.4  | 74.0  |

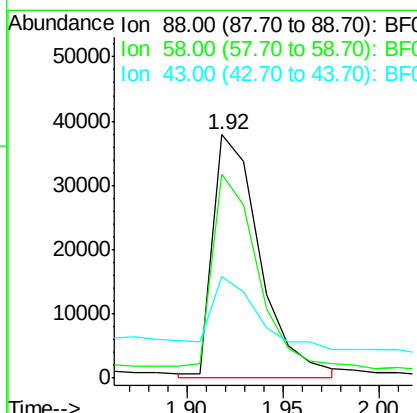
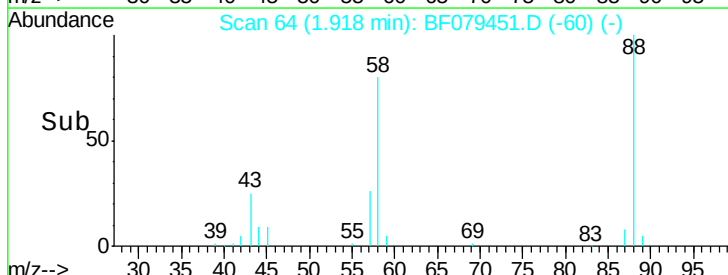
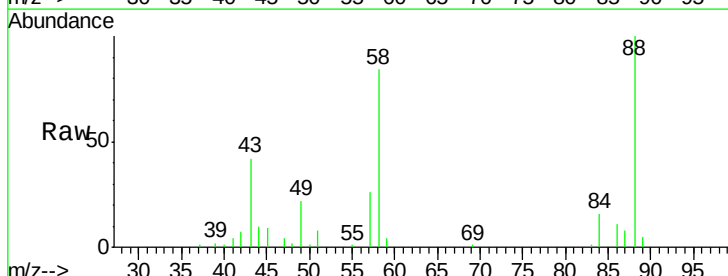
Manual Integrations  
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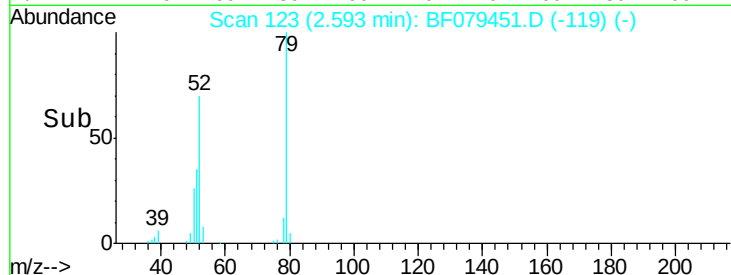
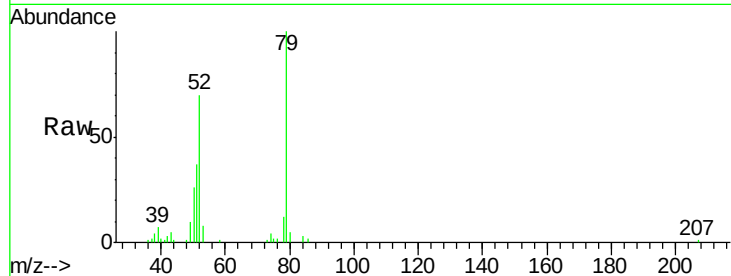
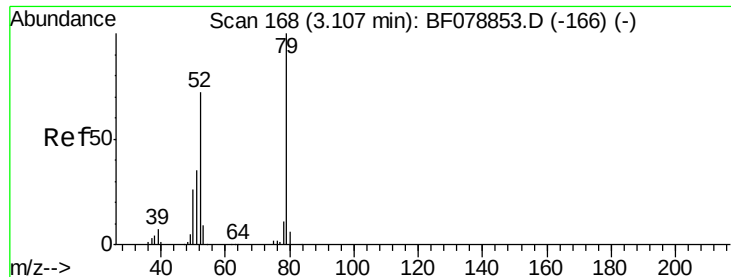
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#2  
 1,4-Dioxane  
 Concen: 36.67 ng m  
 RT: 1.92 min Scan# 64  
 Delta R.T. 0.02 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 64680 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 0.0   | 63.5  | 95.3# |
| 43        | 0.0   | 24.6  | 37.0# |





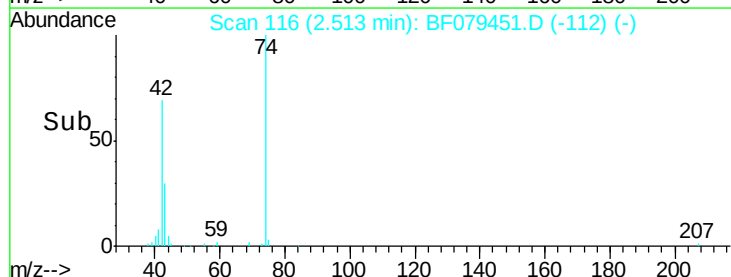
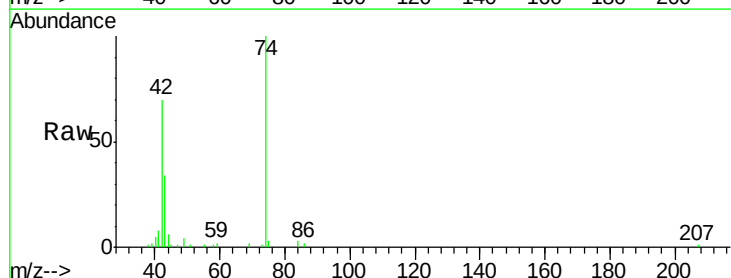
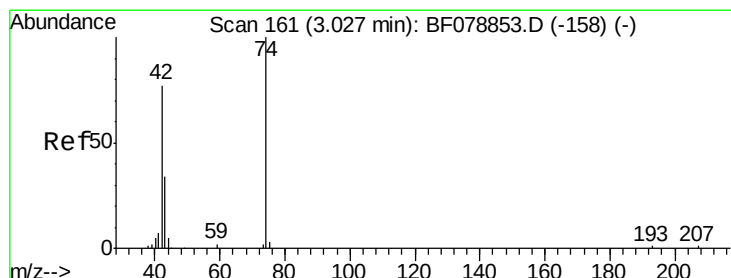
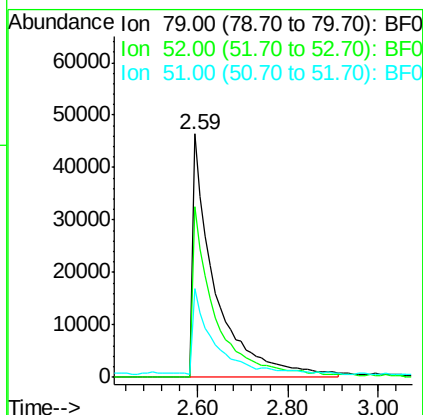
#3  
Pvridine  
Concen: 31.31 ng m  
RT: 2.59 min Scan# 123  
Delta R.T. 0.02 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 69.9  | 57.6  | 86.4  |
| 51      | 36.6  | 28.7  | 43.1  |

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

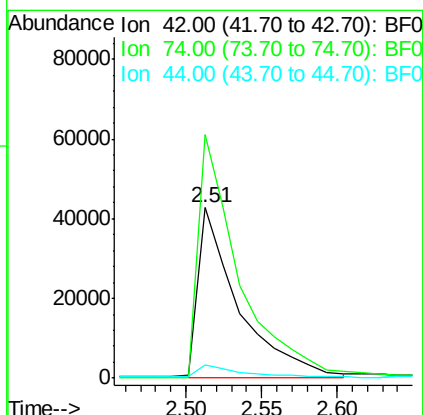
Manual Integrations  
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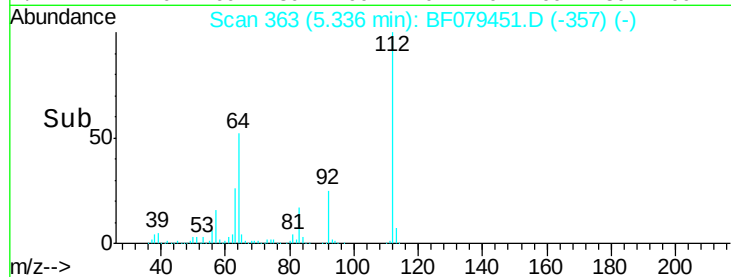
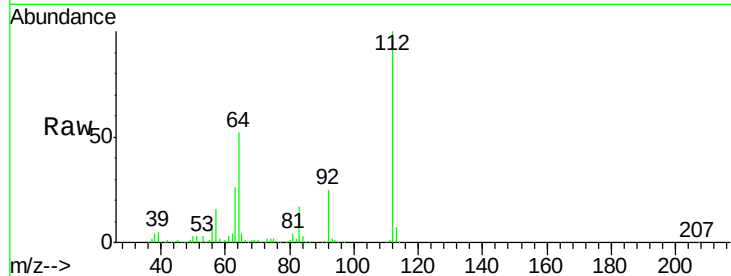
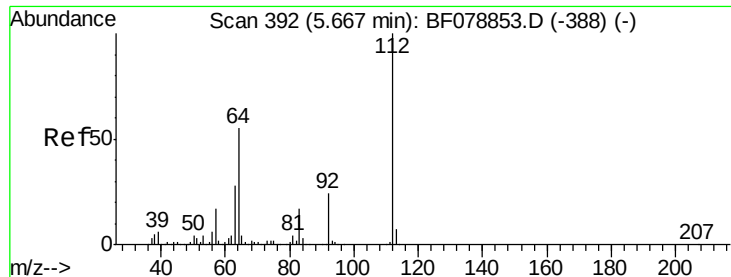
apatel  
5/27/2015 8:16:53 AM



#4  
n-Nitrosodimethylamine  
Concen: 36.24 ng m  
RT: 2.51 min Scan# 116  
Delta R.T. 0.02 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 142.8 | 104.4 | 156.6 |
| 44      | 8.1   | 6.2   | 9.2   |





#5

2-Fluorophenol

Concen: 126.82 ng m

RT: 5.34 min Scan# 363

Delta R.T. 0.01 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

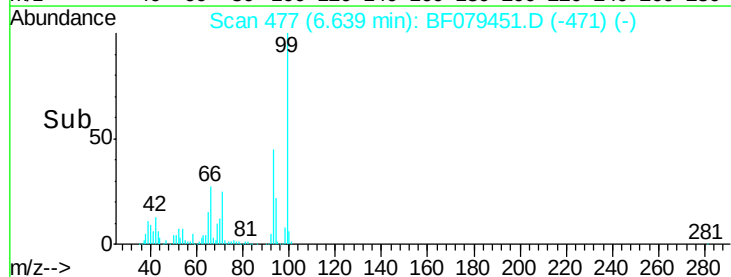
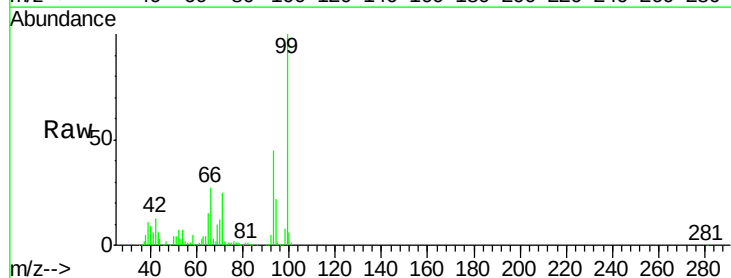
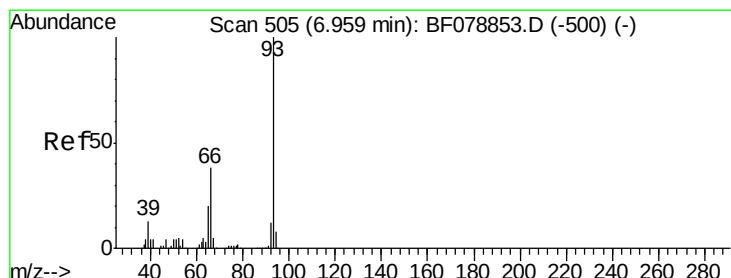
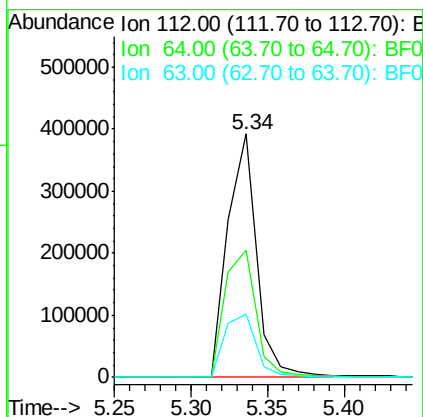
ClientSampled :

PB83563BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 514523 |       |       |
| 64      | 52.4  |        | 44.2  | 66.2  |
| 63      | 26.0  |        | 22.7  | 34.1  |

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#6

Aniline

Concen: 23.26 ng m

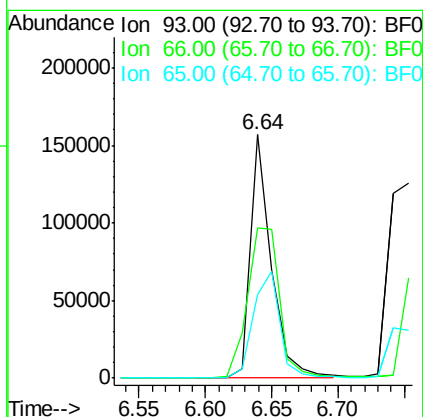
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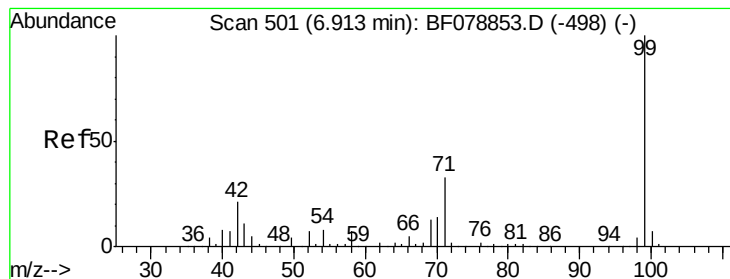
Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 176066 |       |       |
| 66      | 61.6  |        | 30.7  | 46.1# |
| 65      | 34.2  |        | 15.8  | 23.8# |





#7

Phenol-d6

Concen: 119.91 ng

RT: 6.63 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

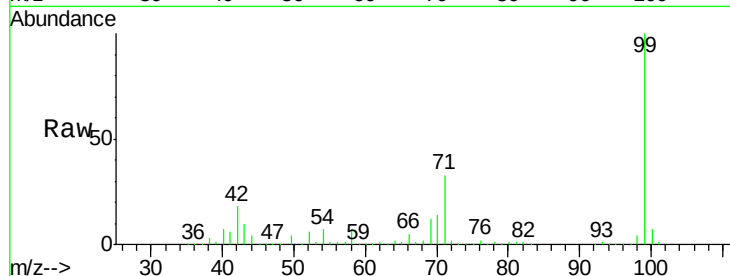
ClientSampleId :

PB83563BS

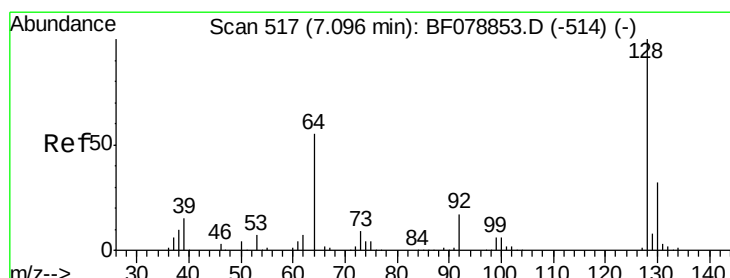
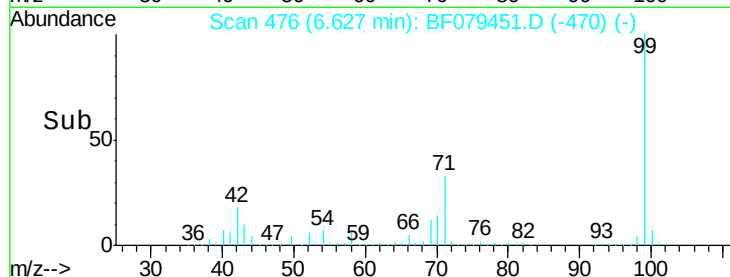
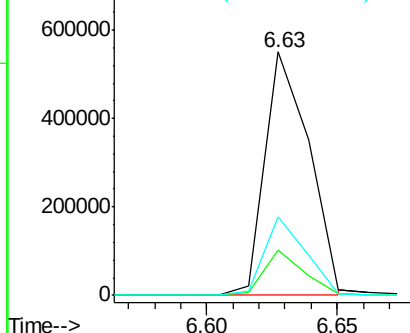
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|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 643053 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 18.4  | 17.1  | 25.7   |
| 71        | 32.5  | 26.3  | 39.5   |

Manual Integrations  
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Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 41.36 ng

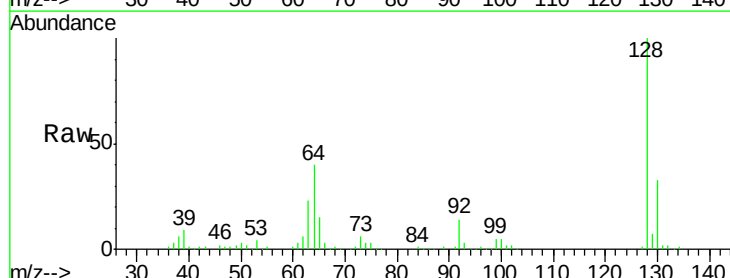
RT: 6.79 min Scan# 490

Delta R.T. 0.00 min

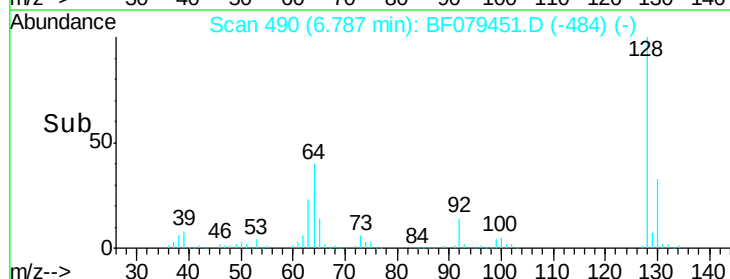
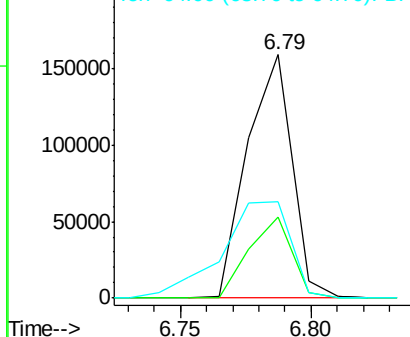
Lab File: BF079451.D

Acq: 22 May 2015 23:49

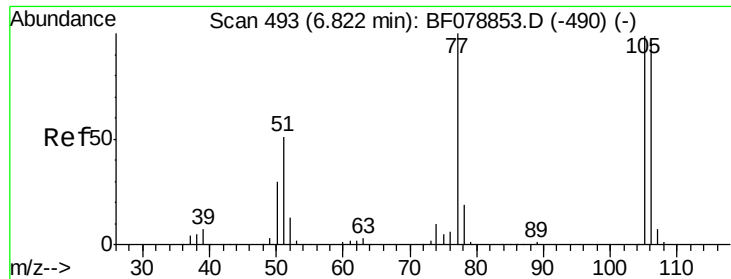
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 190336 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 33.3  | 12.4  | 52.4   |
| 64        | 39.5  | 37.8  | 77.8   |



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF0







#9

Benzaldehyde

Concen: 8.22 ng/mL

RT: 6.50 min Scan# 465

Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

ClientSampleId :

PB83563BS

Tot Ion: 77 Resp: 29699

Ion Ratio Lower Upper

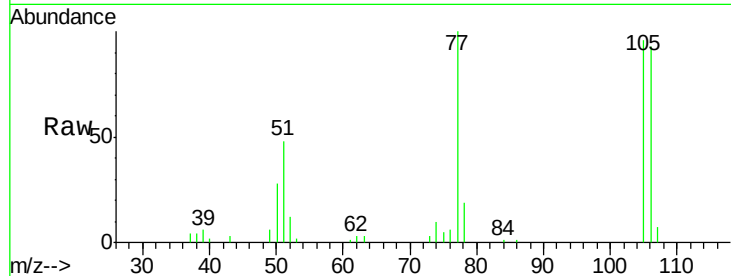
77 100

105 96.4 78.9 118.9

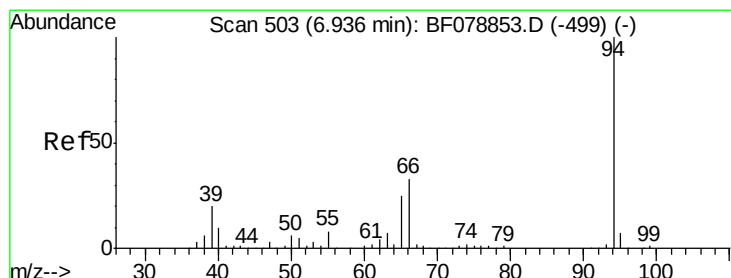
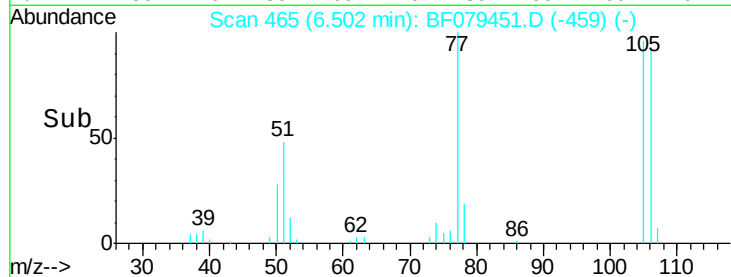
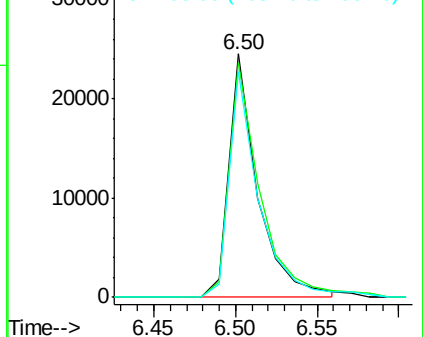
106 92.6 75.8 115.8

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



#10

Phenol

Concen: 38.83 ng

RT: 6.65 min Scan# 478

Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

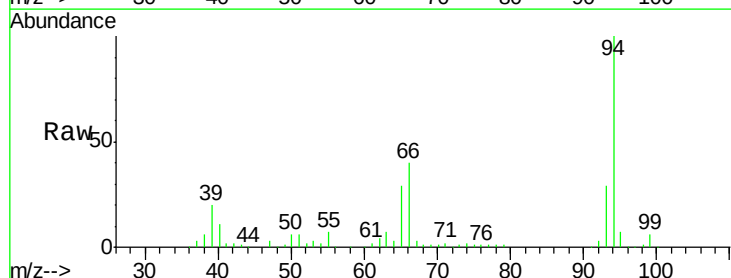
Tgt Ion: 94 Resp: 241581

Ion Ratio Lower Upper

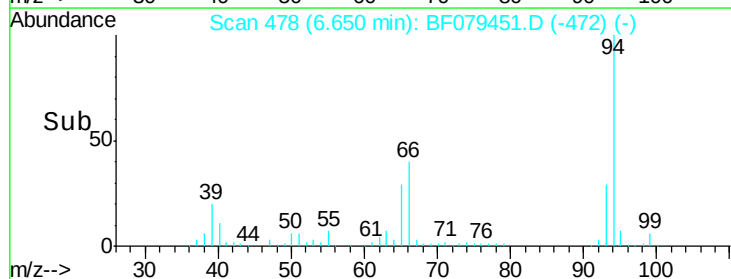
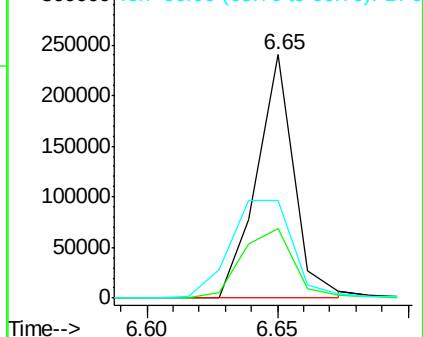
94 100

65 28.7 5.1 45.1

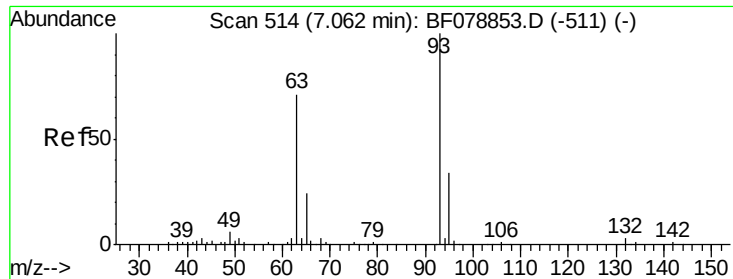
66 40.0 13.1 53.1



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







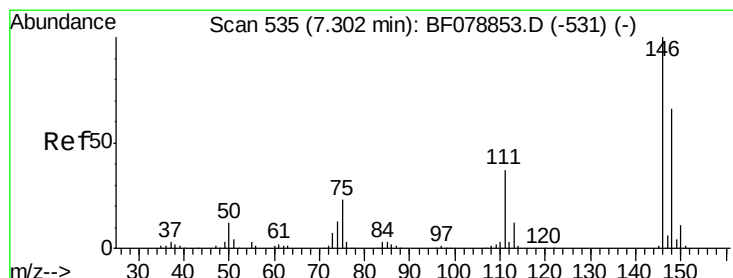
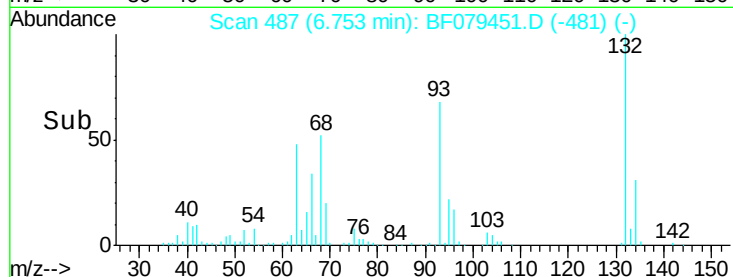
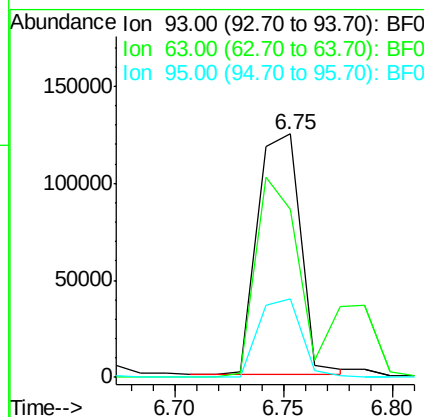
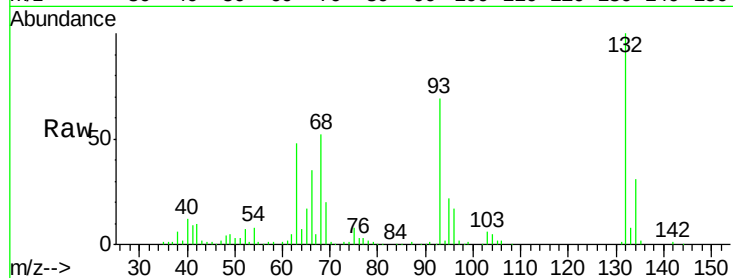
#11  
bis(2-Chloroethyl)ether  
Concen: 37.81 ng  
RT: 6.75 min Scan# 487  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 172432 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 69.0  | 50.8  | 90.8   |
| 95        | 32.4  | 13.9  | 53.9   |

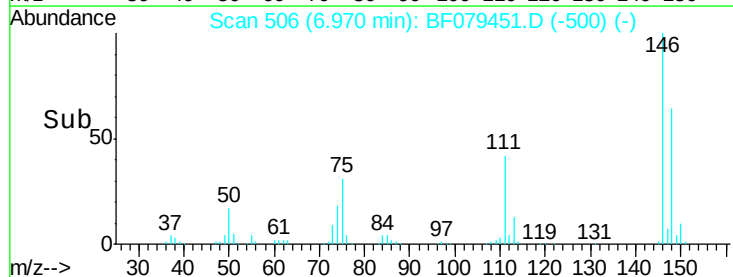
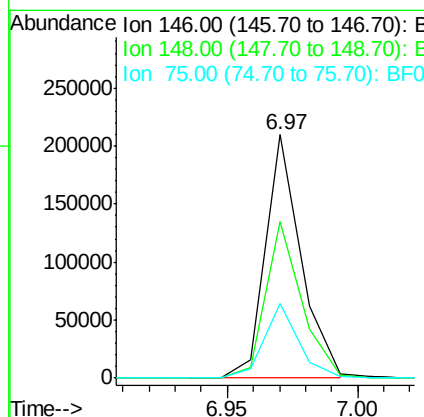
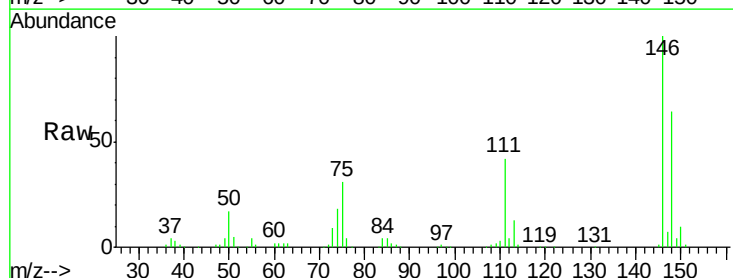
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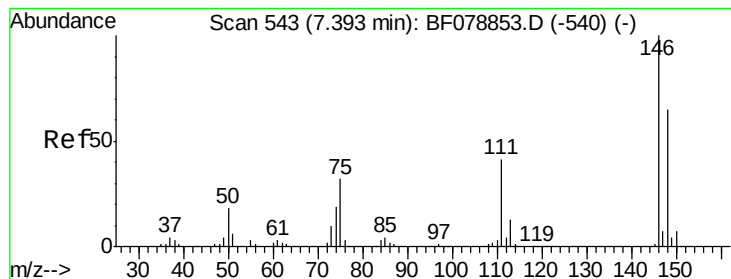
apatel  
5/27/2015 8:16:53 AM



#12  
1,3-Dichlorobenzene  
Concen: 38.74 ng  
RT: 6.97 min Scan# 506  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 200351 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.1  | 52.4  | 78.6   |
| 75        | 30.7  | 18.6  | 27.8#  |





#13

1,4-Dichlorobenzene

Concen: 37.75 ng

RT: 7.07 min Scan# 515

Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

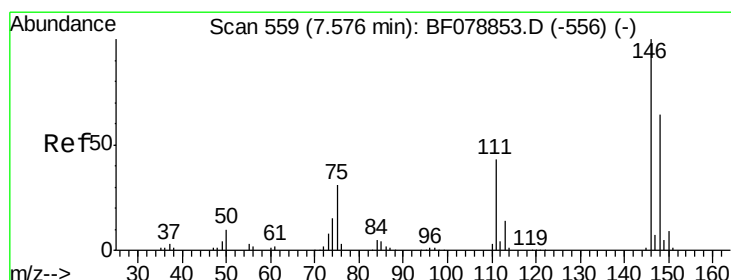
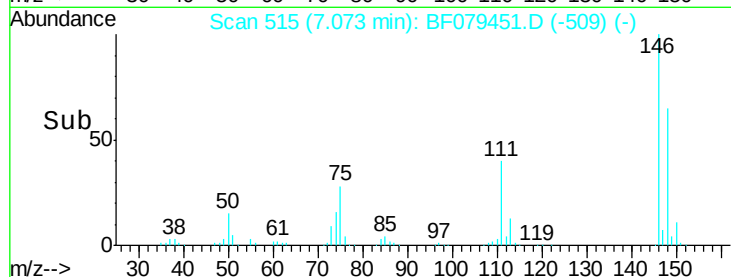
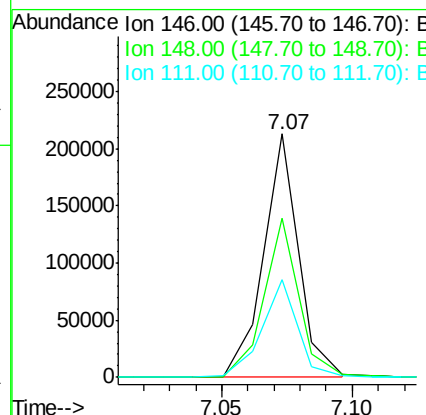
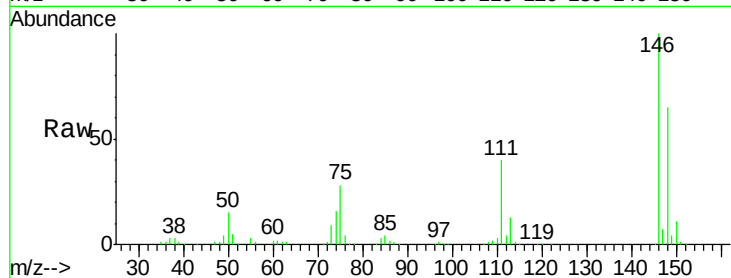
ClientSampled :

PB83563BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 200942 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.2  | 51.7  | 77.5   |
| 111       | 40.1  | 32.8  | 49.2   |

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#14

1,2-Dichlorobenzene

Concen: 38.59 ng

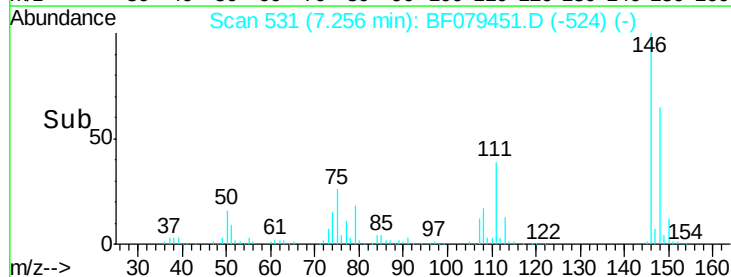
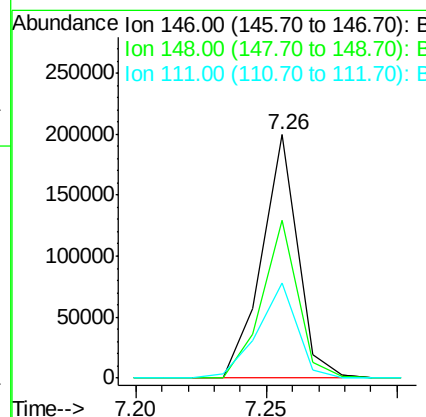
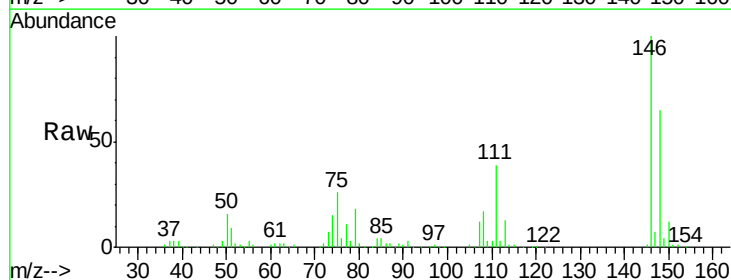
RT: 7.26 min Scan# 531

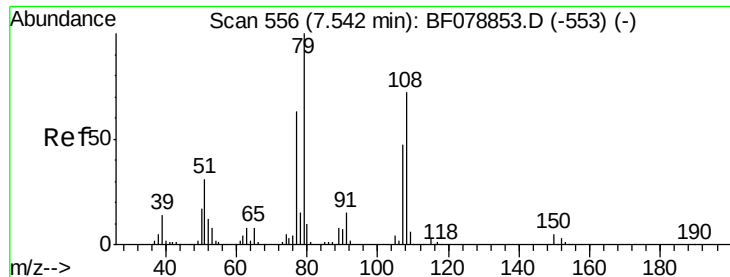
Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 191197 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.9  | 51.1  | 76.7   |
| 111       | 39.0  | 34.6  | 52.0   |





#15

Benzyl Alcohol

Concen: 40.14 ng/mL

RT: 7.24 min Scan# 530

Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

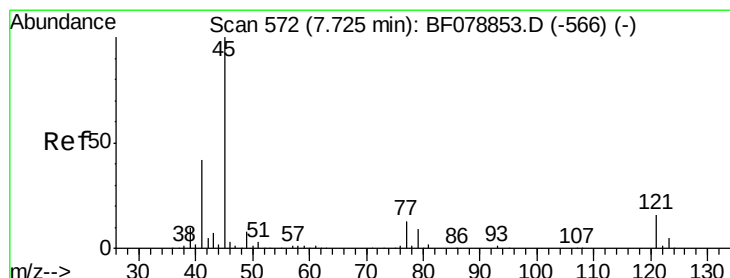
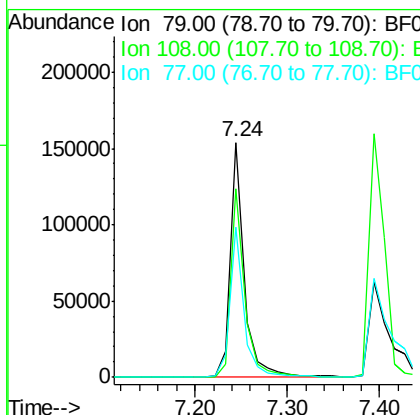
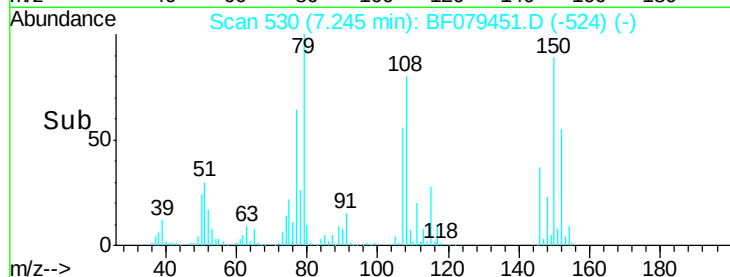
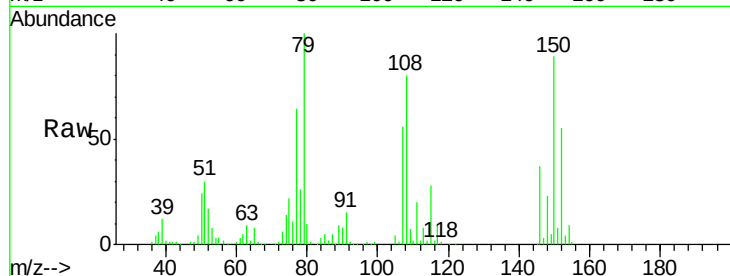
ClientSampleID :

PB83563BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 159811 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 80.4  | 57.4  | 86.2   |
| 77        | 63.8  | 50.2  | 75.4   |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 36.19 ng/mL

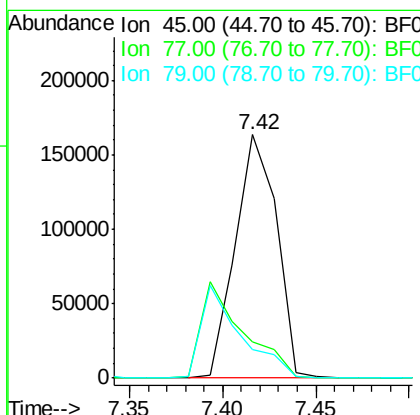
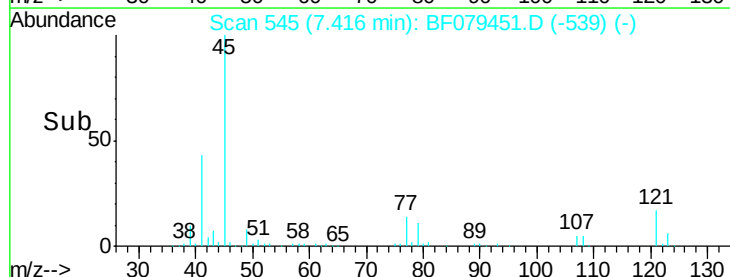
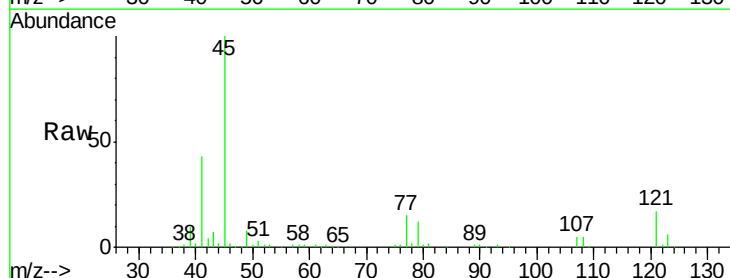
RT: 7.42 min Scan# 545

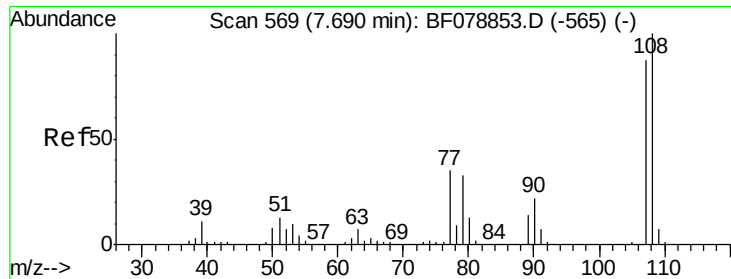
Delta R.T. -0.01 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 252513 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 14.7  | 0.0   | 32.6   |
| 79        | 11.5  | 0.0   | 29.3   |





#17

2-Methylphenol

Concen: 41.54 ng

RT: 7.39 min Scan# 543

Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

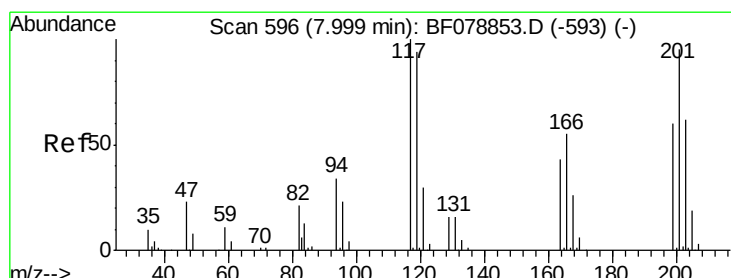
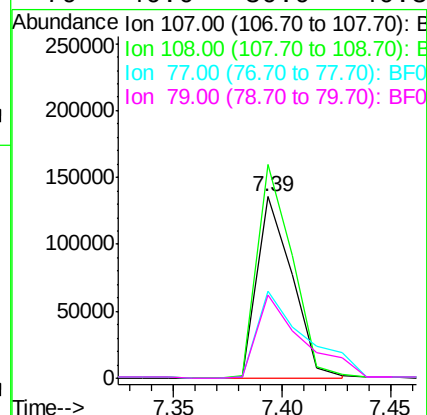
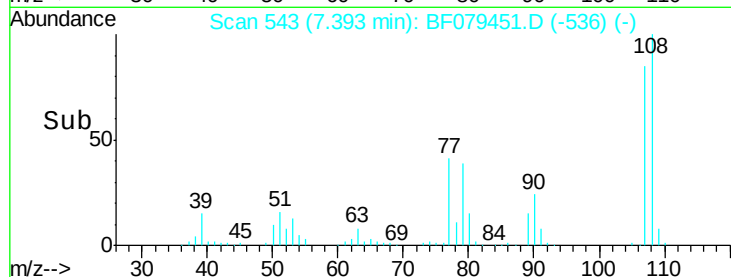
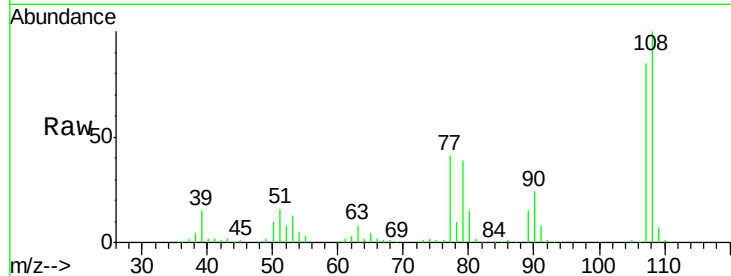
ClientSampled :

PB83563BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 117.6 | 92.4 | 138.6 |       |
| 77      | 48.0  | 32.6 | 49.0  |       |
| 79      | 46.0  | 30.9 | 46.3  |       |

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#18

Hexachloroethane

Concen: 38.95 ng

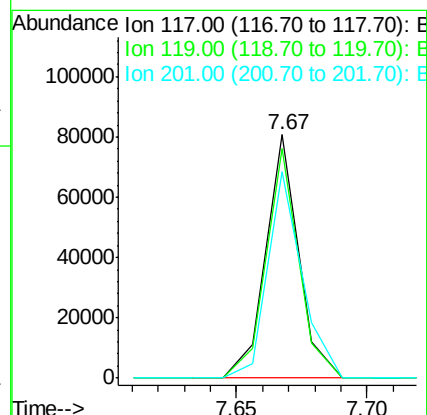
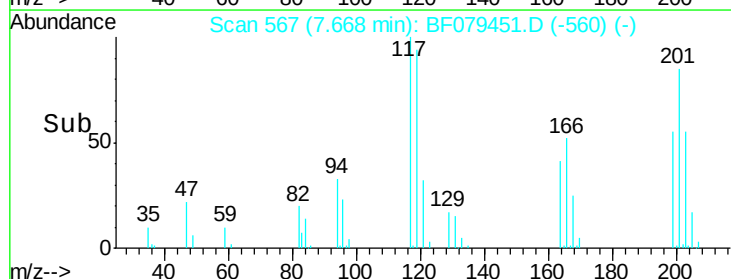
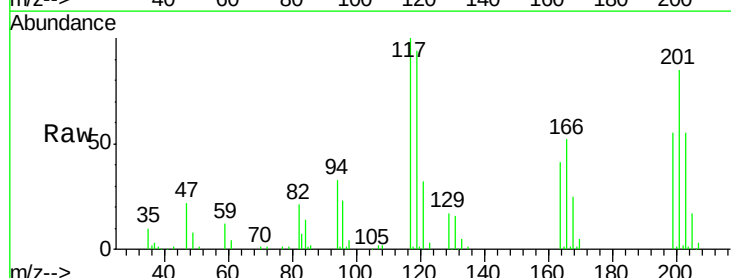
RT: 7.67 min Scan# 567

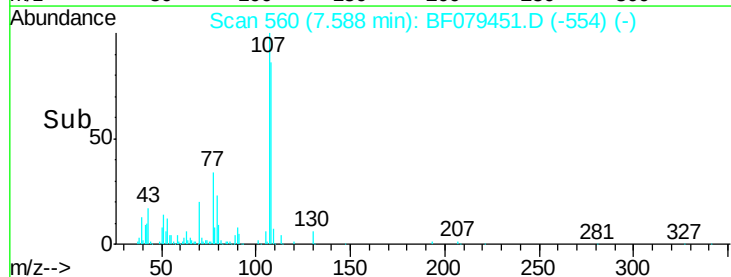
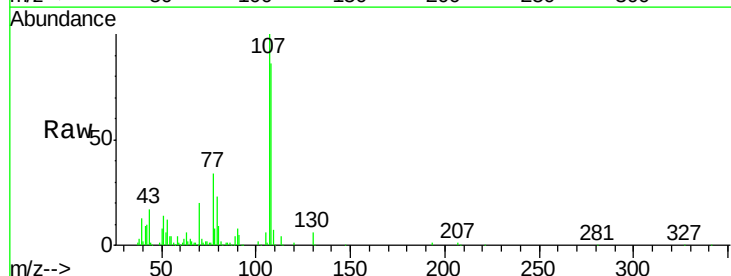
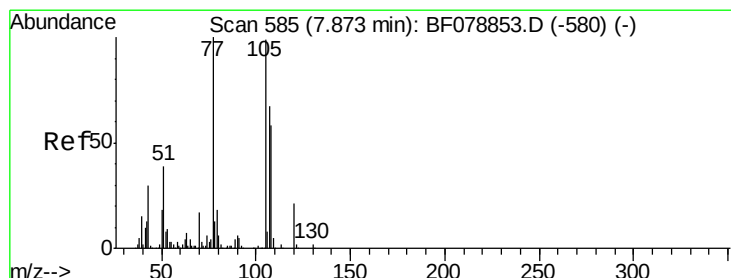
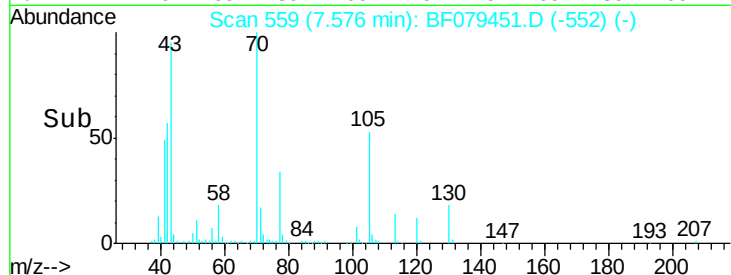
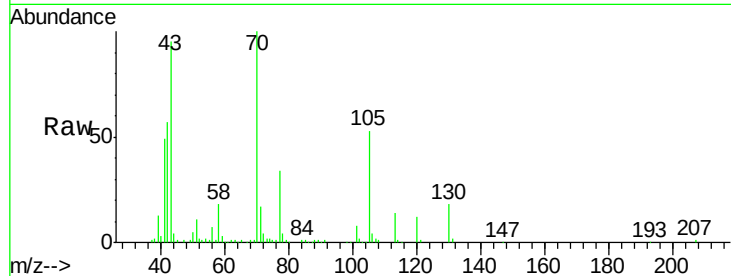
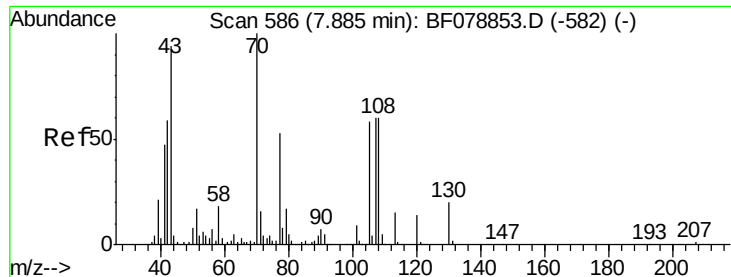
Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

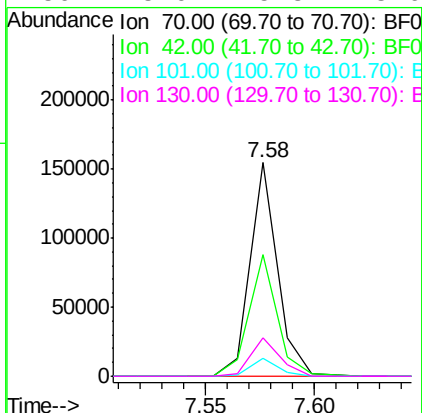
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 94.4  | 75.2 | 112.8 |       |
| 201     | 84.8  | 75.8 | 113.8 |       |





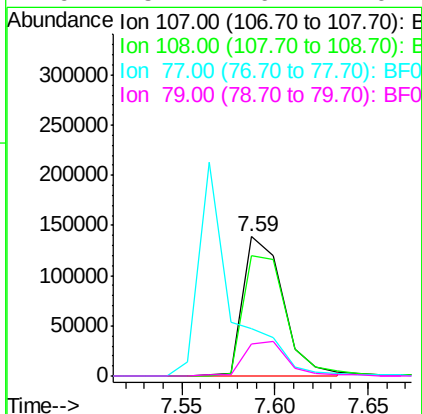
#19  
n-Nitroso-di-n-propylamine  
Concen: 37.54 ng  
RT: 7.58 min Scan# 559  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 70      | 100  |       |      |       |       |
| 42      | 57.1 | 47.3  | 70.9 |       |       |
| 101     | 8.4  | 7.5   | 11.3 |       |       |
| 130     | 18.0 | 15.8  | 23.6 |       |       |



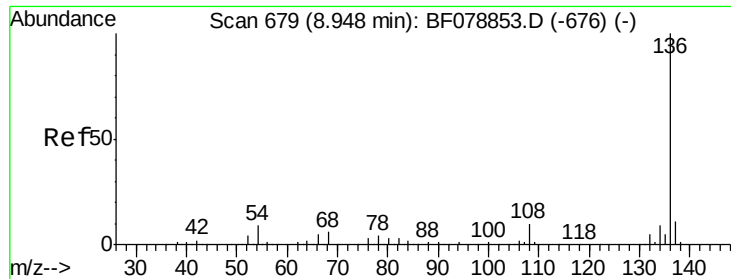
#20  
3+4-Methylphenols  
Concen: 42.08 ng  
RT: 7.59 min Scan# 560  
Delta R.T. -0.01 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 107     | 100  |       |       |       |       |
| 108     | 86.5 | 66.5  | 106.5 |       |       |
| 77      | 34.3 | 130.6 | 170.6 |       |       |
| 79      | 23.4 | 6.4   | 46.4  |       |       |



Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

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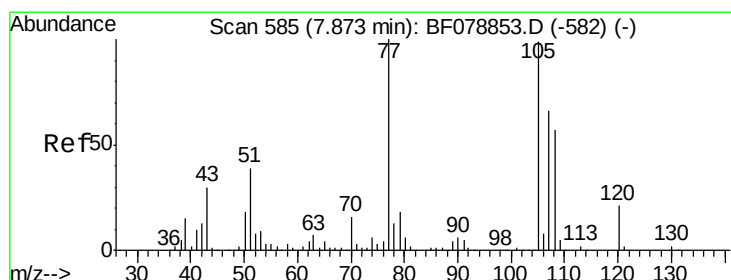
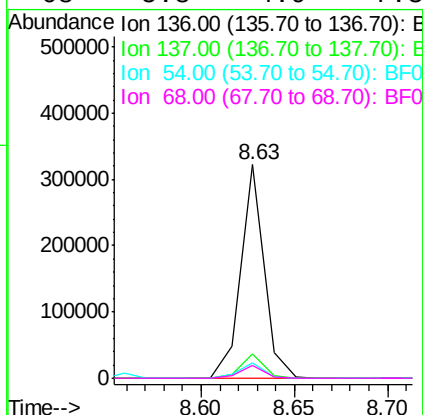
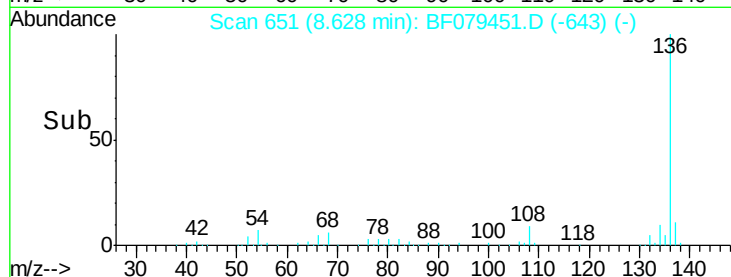
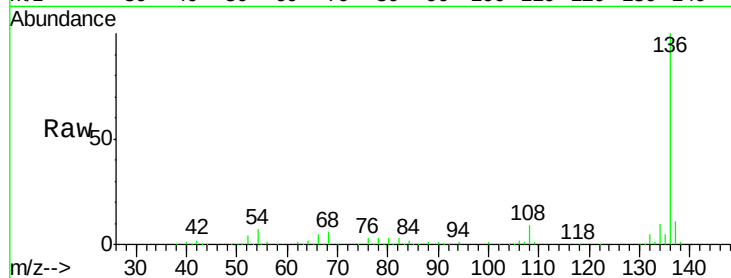
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.63 min Scan# 651  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 136     | 100  |       |      |       |       |
| 137     | 11.1 |       | 8.8  | 13.2  |       |
| 54      | 7.4  |       | 6.9  | 10.3  |       |
| 68      | 5.8  |       | 4.9  | 7.3   |       |

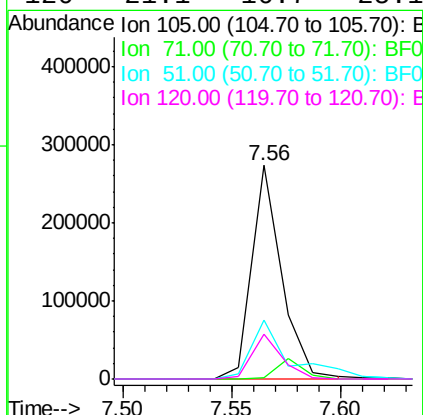
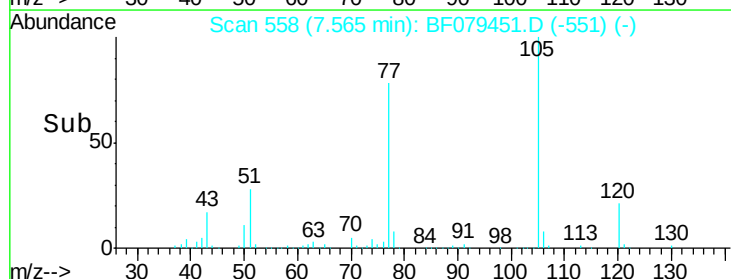
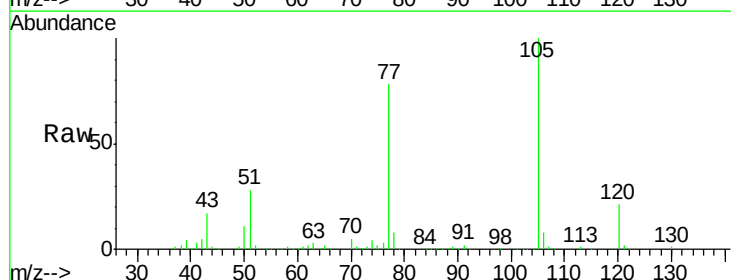
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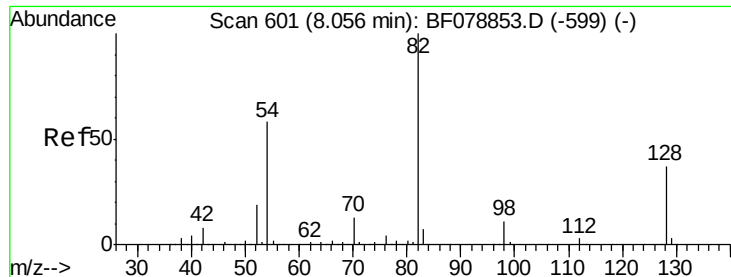
apatel  
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#22  
Acetophenone  
Concen: 41.14 ng  
RT: 7.56 min Scan# 558  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 105     | 100  |       |      |       |       |
| 71      | 0.9  |       | 2.2  | 3.4#  |       |
| 51      | 27.9 |       | 31.1 | 46.7# |       |
| 120     | 21.1 |       | 16.7 | 25.1  |       |





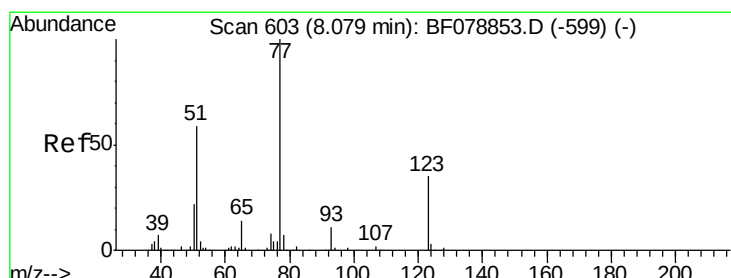
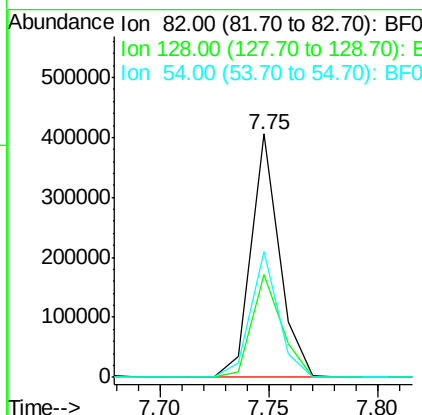
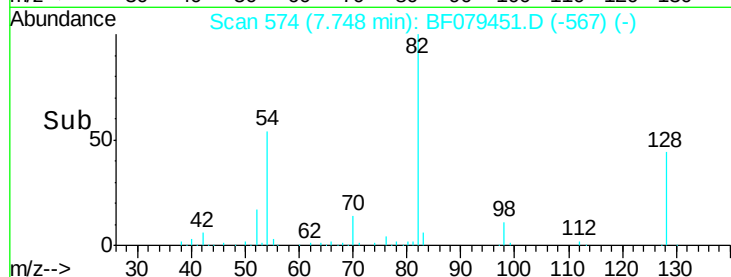
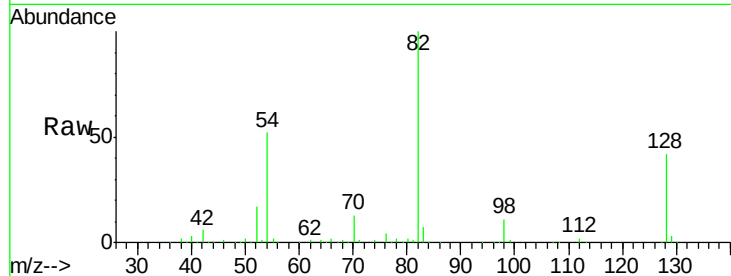
#23  
 Nitrobenzene-d5  
 Concen: 75.13 ng  
 RT: 7.75 min Scan# 574  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83563BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 42.5  | 29.7 | 44.5  |       |
| 54      | 51.9  | 46.2 | 69.4  |       |

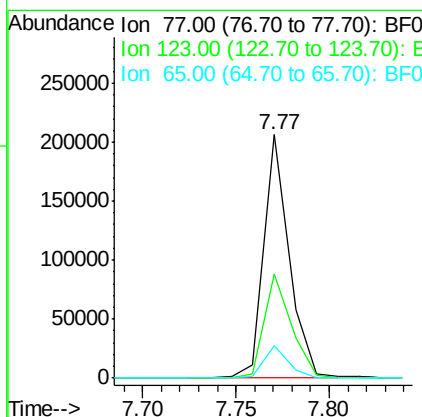
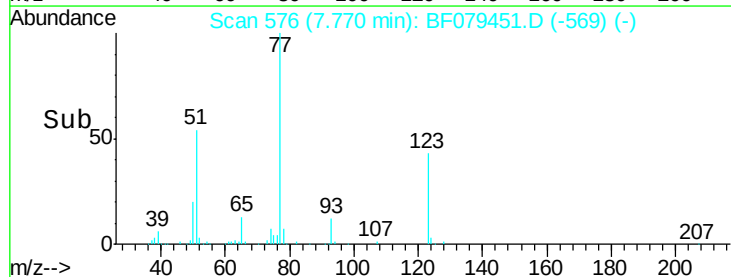
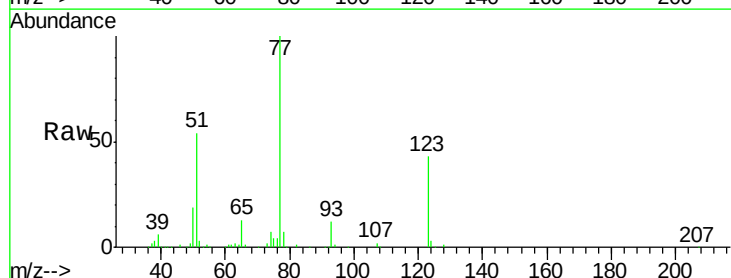
Manual Integrations  
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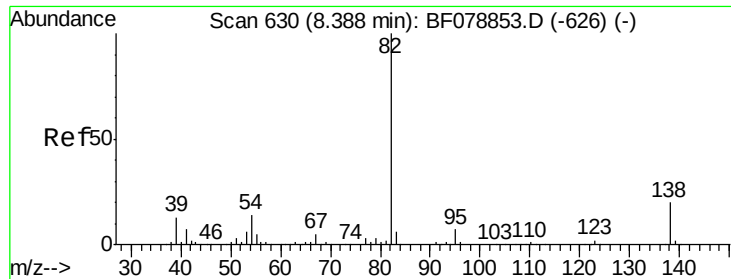


#24  
 Nitrobenzene  
 Concen: 39.59 ng  
 RT: 7.77 min Scan# 576  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 42.9  | 28.3 | 42.5# |       |
| 65      | 13.4  | 11.0 | 16.4  |       |







#25

Isophorone

Concen: 38.49 ng

RT: 8.07 min Scan# 602

Delta R.T. -0.01 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

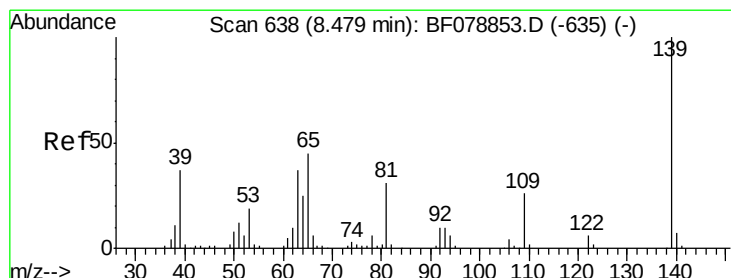
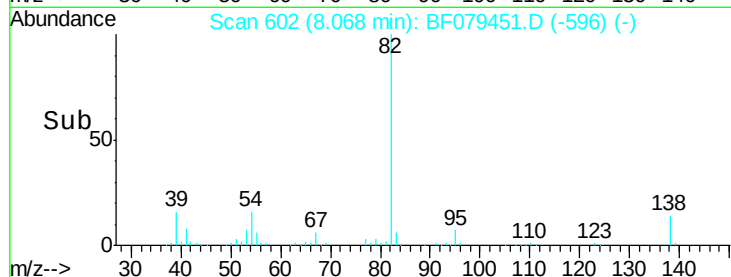
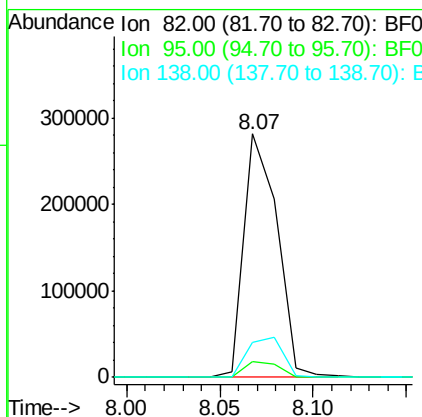
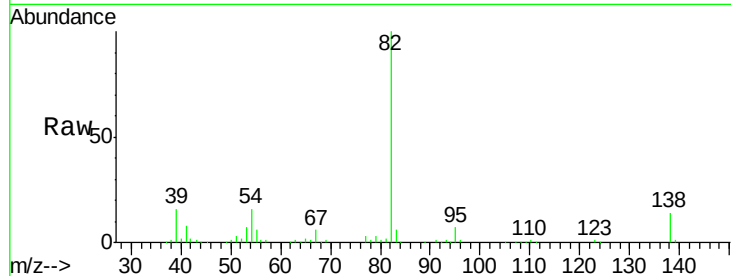
ClientSampleId :

PB83563BS

| Tot Ion | 82    | Resp  | 349734 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 95      | 6.6   | 5.4   | 8.2    |
| 138     | 14.3  | 16.1  | 24.1#  |

Manual Integrations  
APPROVED

apatel  
5/27/2015 8:16:53 AM



#26

2-Nitrophenol

Concen: 43.65 ng

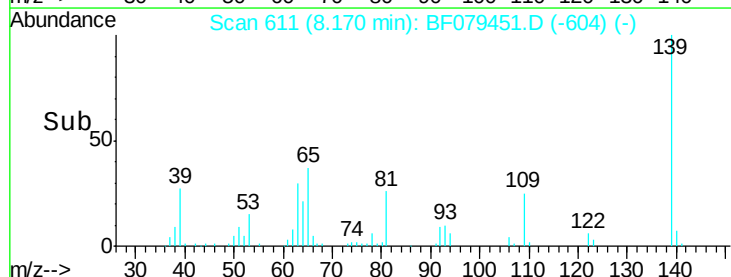
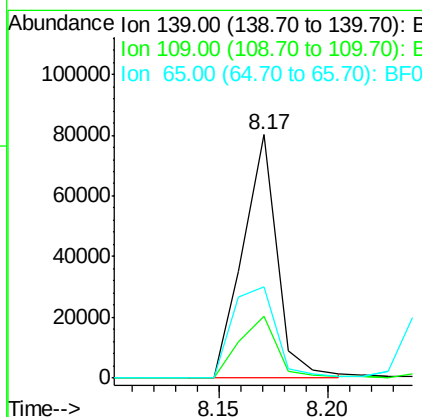
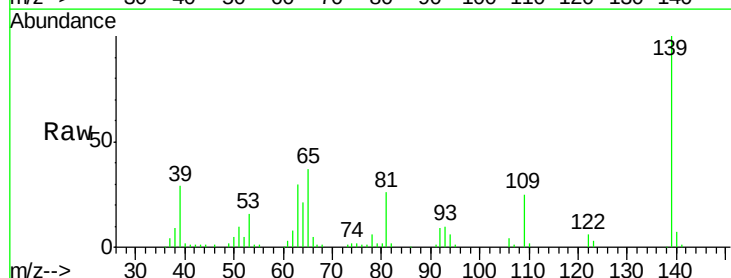
RT: 8.17 min Scan# 611

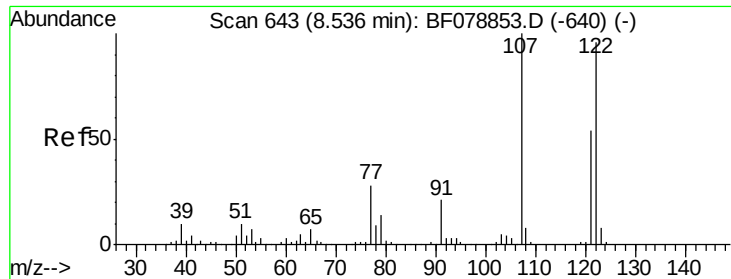
Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

| Tgt Ion | 139   | Resp  | 87761 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 139     | 100   |       |       |
| 109     | 25.4  | 20.9  | 31.3  |
| 65      | 37.3  | 35.8  | 53.8  |





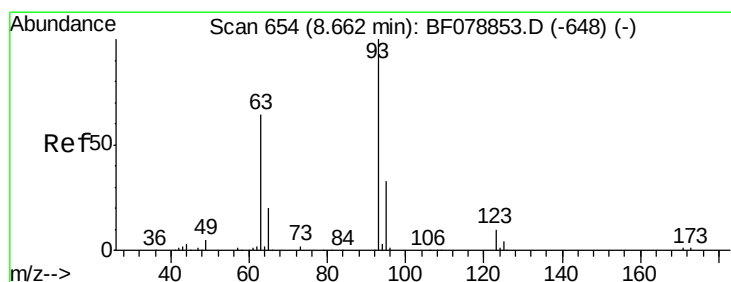
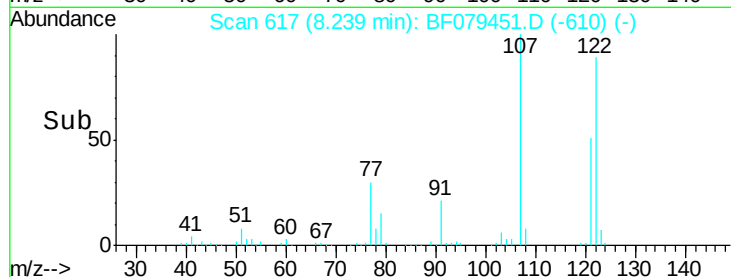
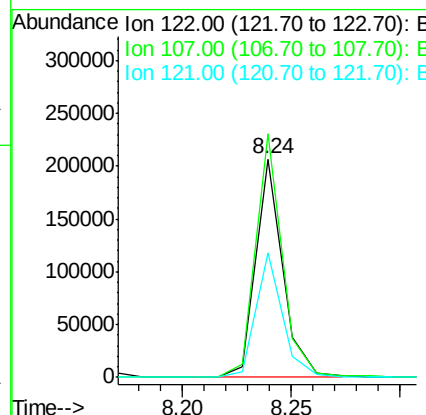
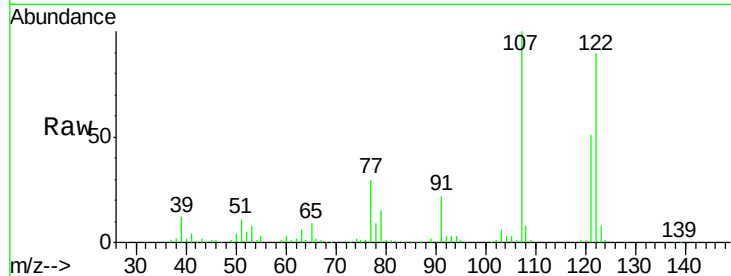
#27  
 2,4-Dimethylphenol  
 Concen: 44.30 ng  
 RT: 8.24 min Scan# 617  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83563BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 178261 |       |       |
| 107     | 111.5 | 83.6   | 125.4 |       |
| 121     | 57.4  | 44.9   | 67.3  |       |

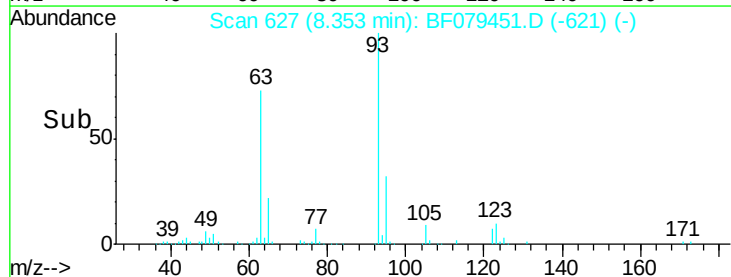
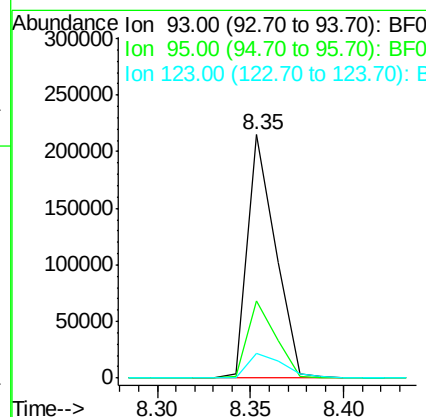
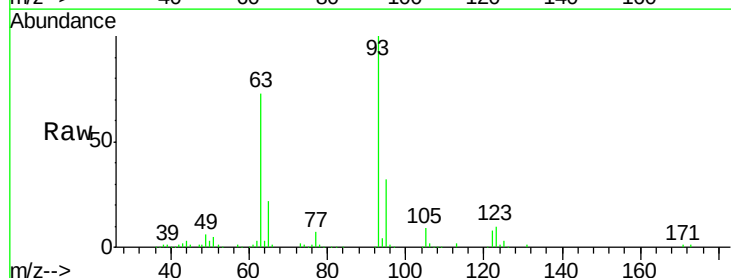
Manual Integrations  
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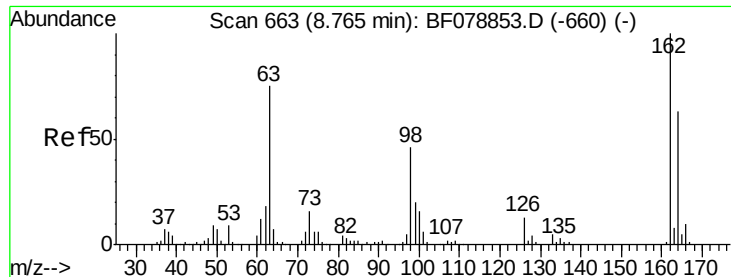
apatel  
 5/27/2015 8:16:53 AM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.99 ng  
 RT: 8.35 min Scan# 627  
 Delta R.T. -0.01 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 224025 |       |       |
| 95      | 31.6  | 26.2   | 39.2  |       |
| 123     | 10.0  | 8.6    | 12.8  |       |





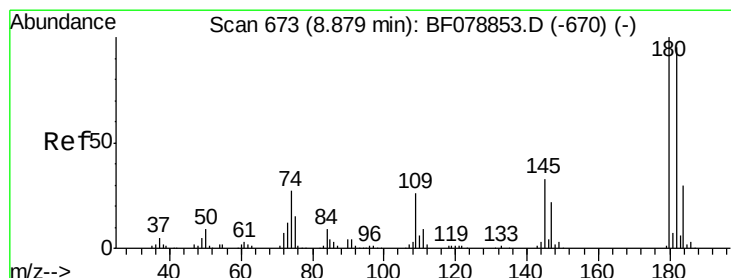
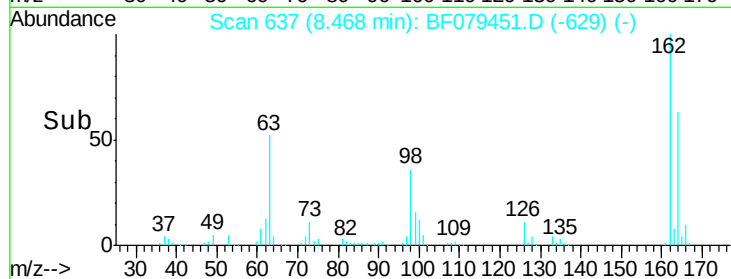
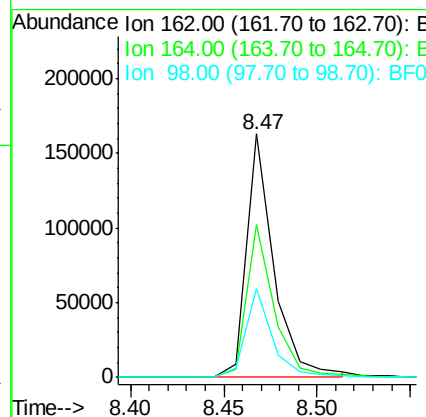
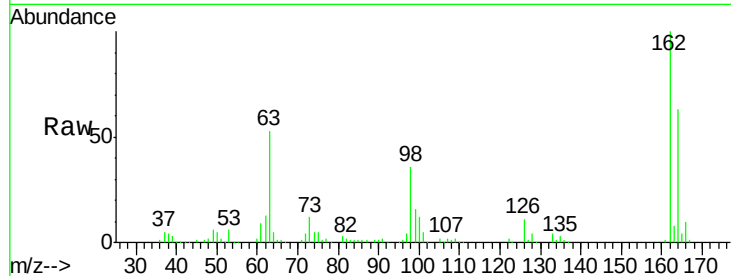
#29  
 2,4-Dichlorophenol  
 Concen: 46.48 ng  
 RT: 8.47 min Scan# 637  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83563BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 166313 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 62.9  | 42.7  | 82.7   |
| 98        | 36.3  | 26.3  | 66.3   |

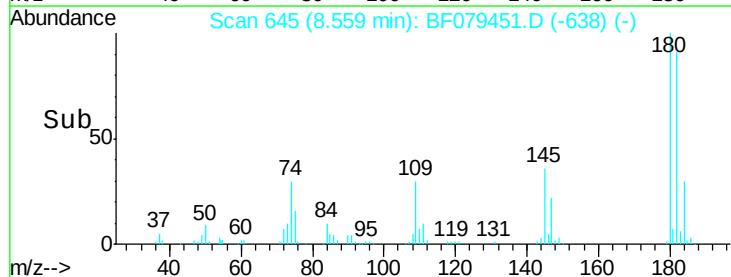
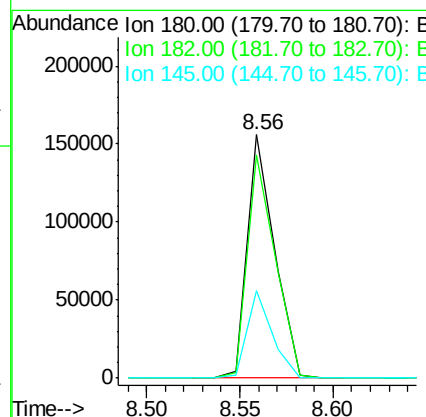
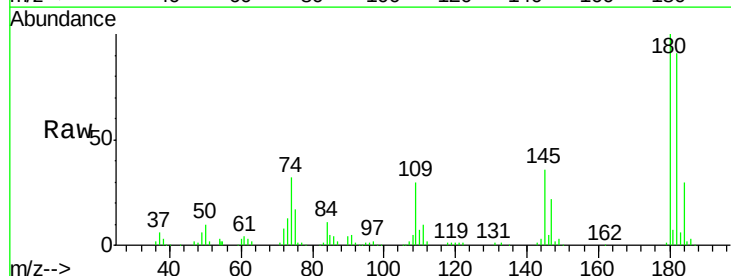
Manual Integrations  
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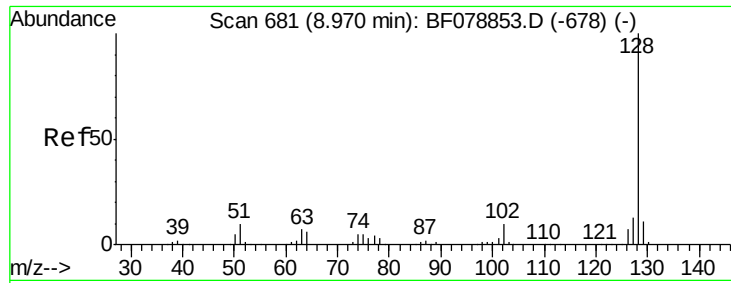
apatel  
 5/27/2015 8:16:53 AM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.35 ng  
 RT: 8.56 min Scan# 645  
 Delta R.T. -0.01 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 158572 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 91.4  | 75.7  | 113.5  |
| 145       | 36.0  | 26.2  | 39.4   |





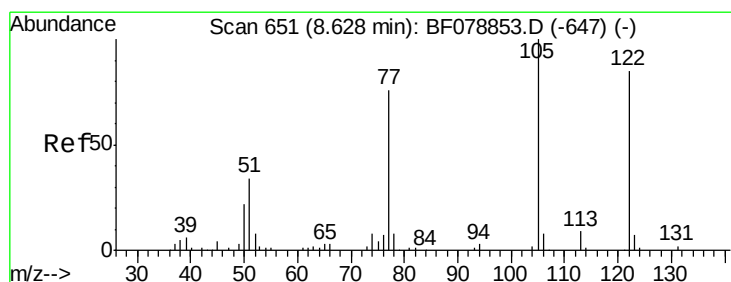
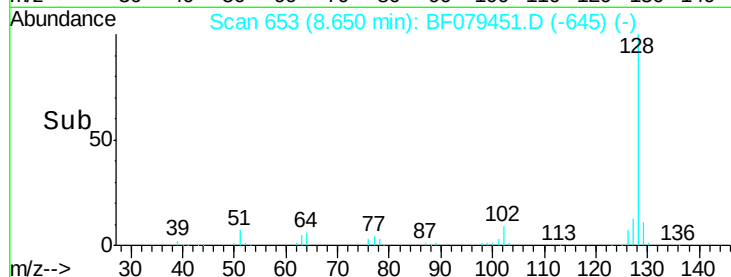
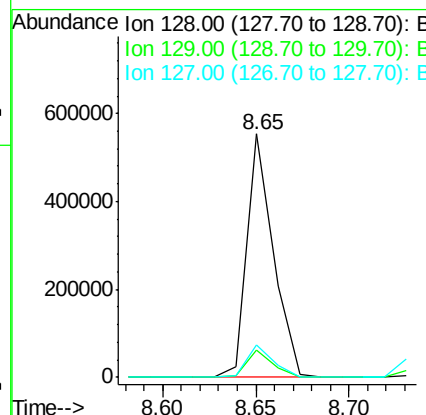
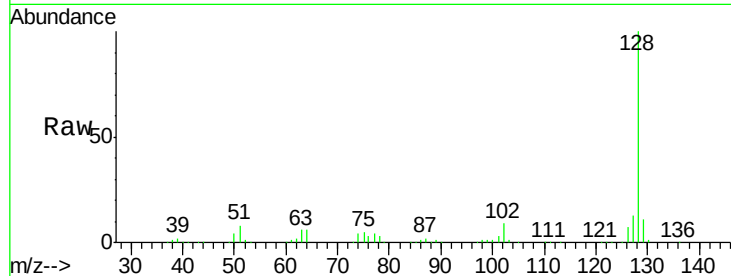
#31  
Naphthalene  
Concen: 40.57 ng  
RT: 8.65 min Scan# 653  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 11.3  | 9.2  | 13.8  |       |
| 127     | 13.3  | 10.3 | 15.5  |       |

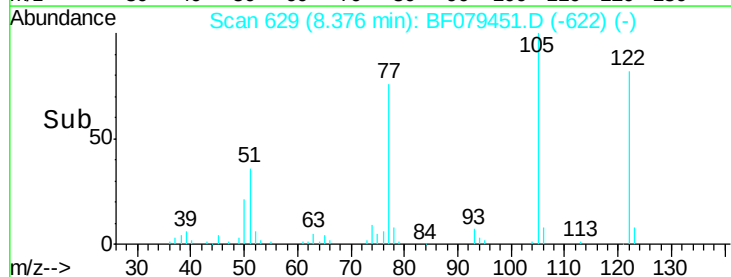
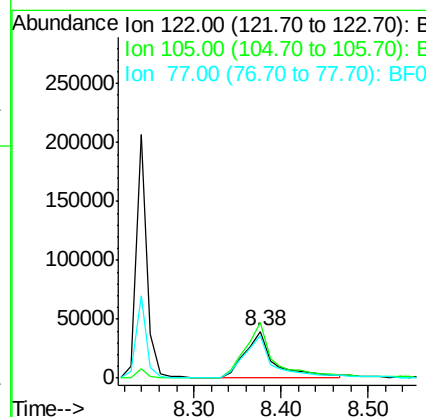
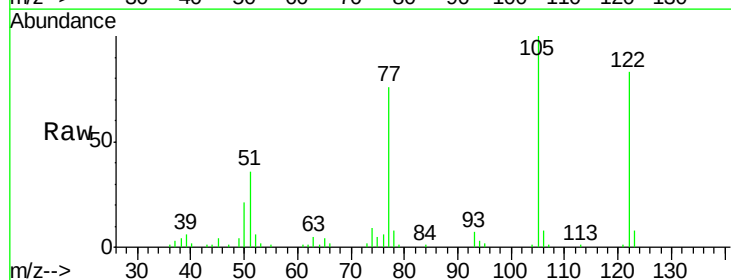
Manual Integrations  
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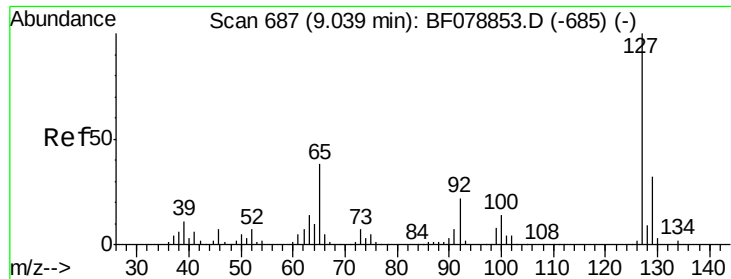
apatel  
5/27/2015 8:16:53 AM



#32  
Benzoic acid  
Concen: 38.70 ng m  
RT: 8.38 min Scan# 629  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |
| 105     | 120.3 | 100.7 | 140.7 |       |
| 77      | 91.5  | 72.0  | 112.0 |       |





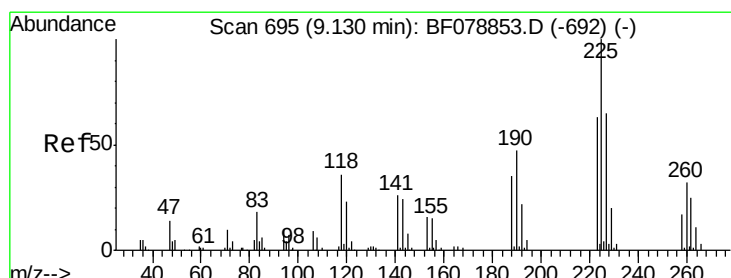
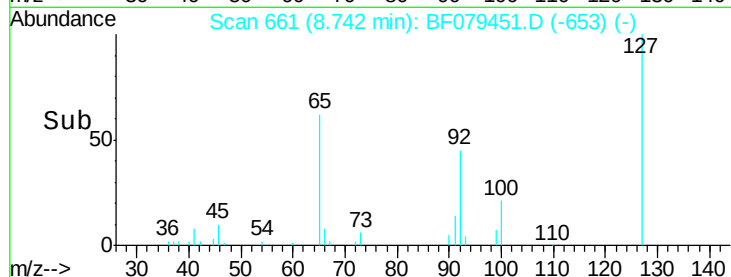
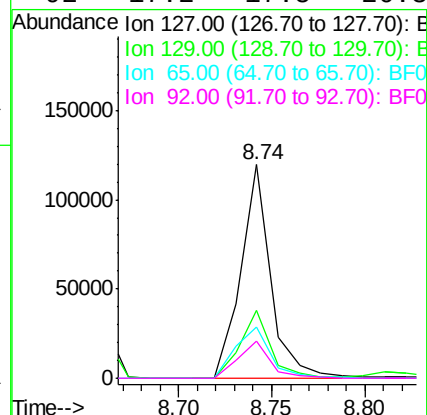
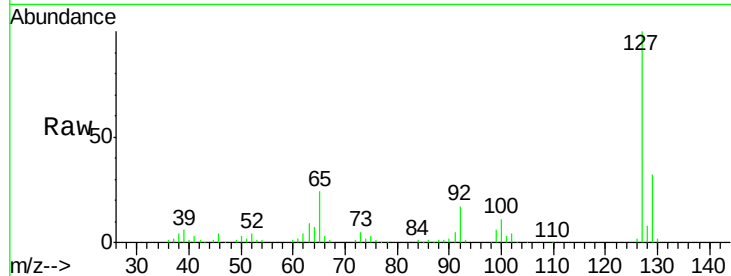
#33  
4-Chloroaniline  
Concen: 23.62 ng  
RT: 8.74 min Scan# 661  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.0 | 25.6  | 38.4 |       |       |
| 65      | 24.0 | 30.2  | 45.4 |       |       |
| 92      | 17.2 | 17.5  | 26.3 |       |       |

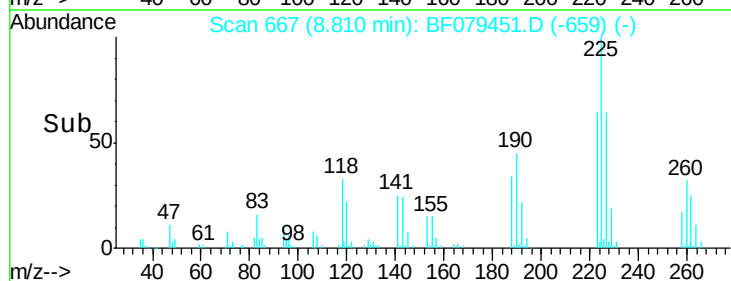
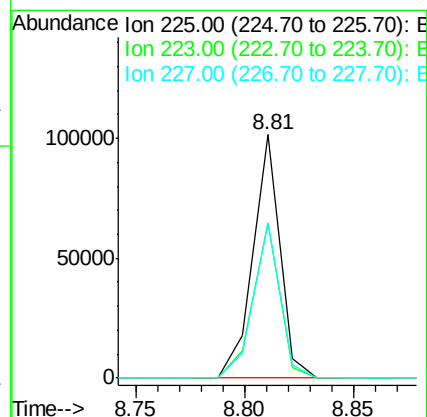
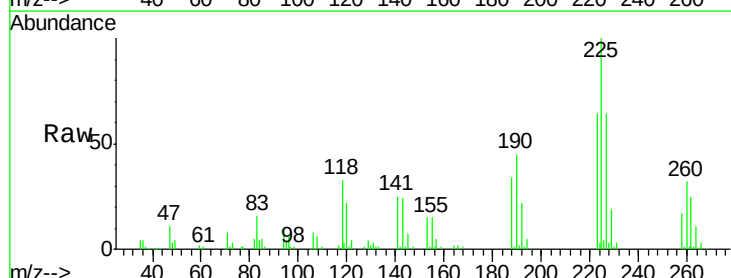
Manual Integrations  
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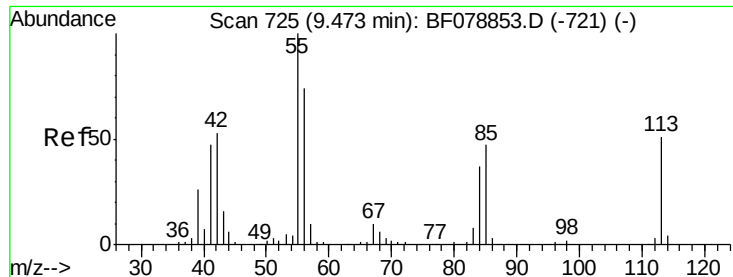
apatel  
5/27/2015 8:16:53 AM



#34  
Hexachlorobutadiene  
Concen: 38.73 ng  
RT: 8.81 min Scan# 667  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 63.9 | 50.6  | 75.8 |       |       |
| 227     | 63.8 | 52.1  | 78.1 |       |       |





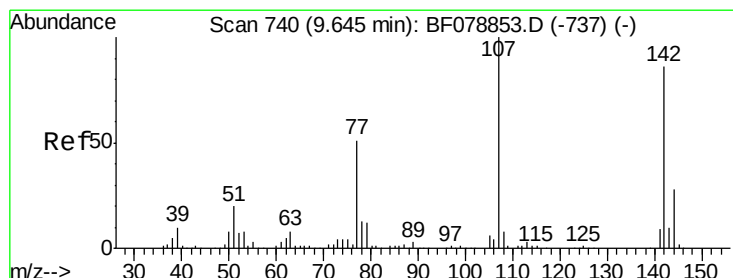
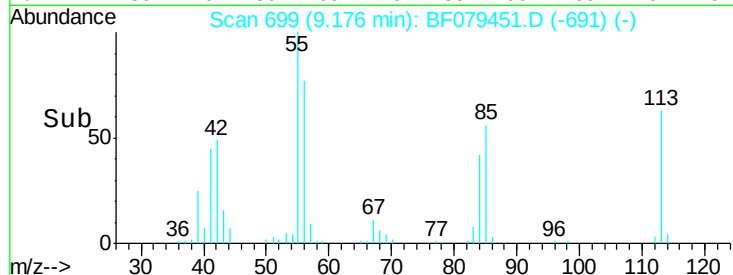
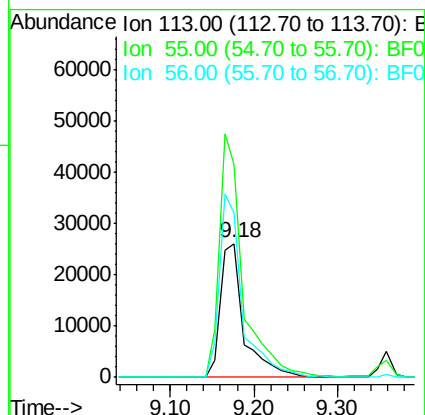
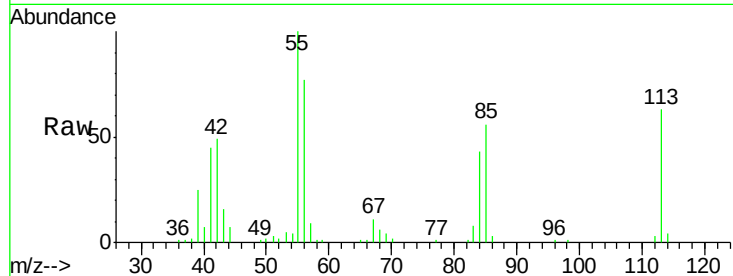
#35  
 Caprolactam  
 Concen: 43.92 ng/ml  
 RT: 9.18 min Scan# 699  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83563BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 159.3 | 176.0 | 216.0# |
| 56      | 122.4 | 123.8 | 163.8# |

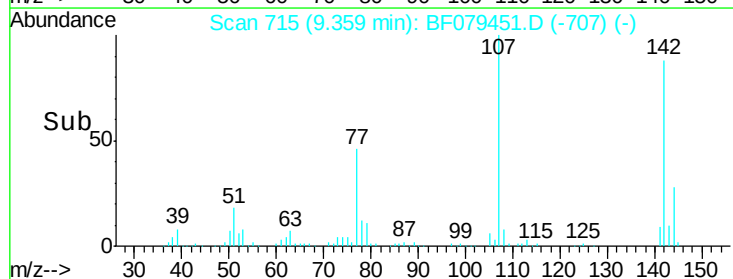
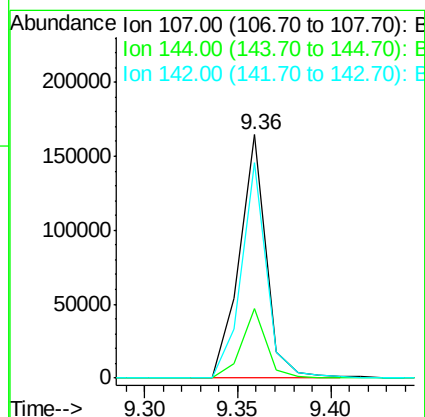
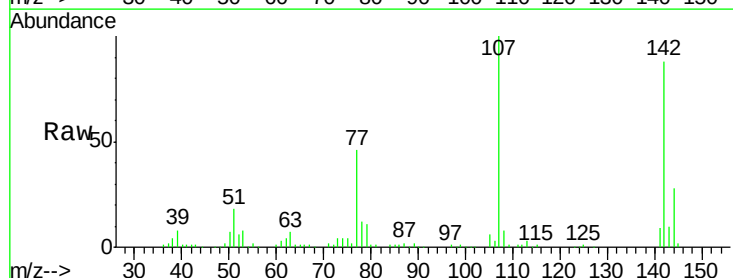
Manual Integrations  
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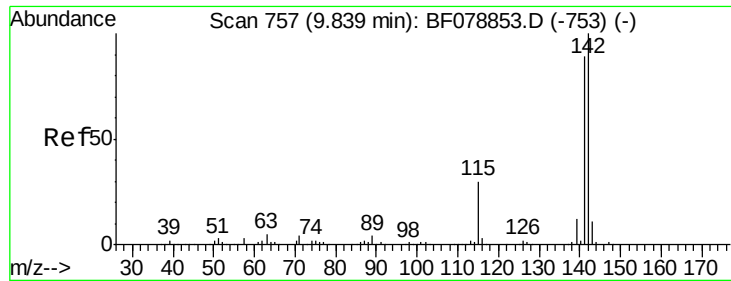
apatel  
 5/27/2015 8:16:53 AM



#36  
 4-Chloro-3-methylphenol  
 Concen: 44.42 ng/ml  
 RT: 9.36 min Scan# 715  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 28.5  | 22.5  | 33.7  |
| 142     | 88.4  | 68.6  | 103.0 |





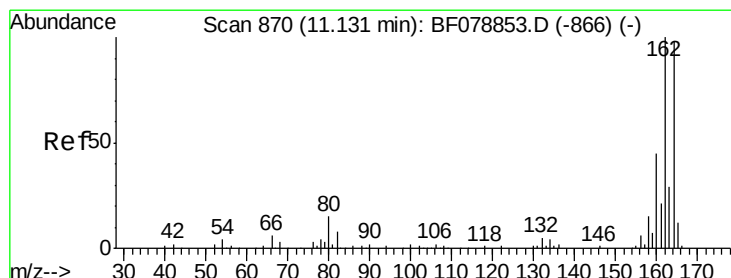
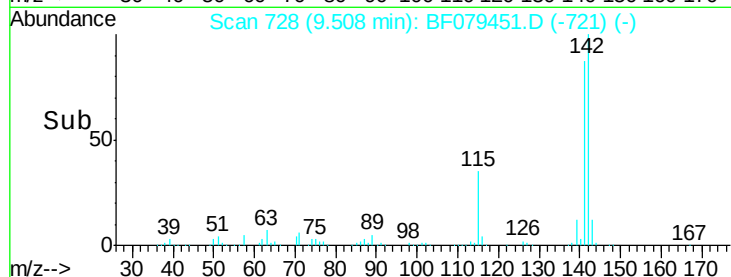
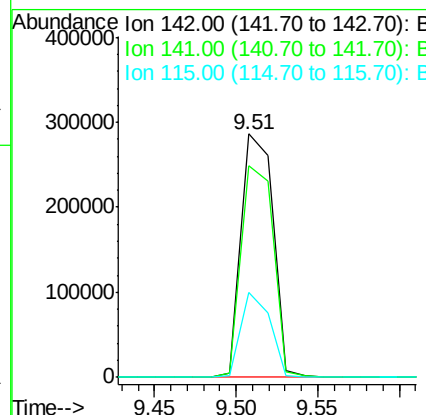
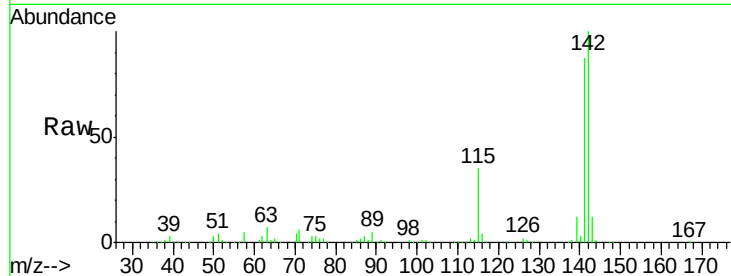
#37  
2-Methylnaphthalene  
Concen: 41.53 ng  
RT: 9.51 min Scan# 728  
Delta R.T. -0.01 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 386251 |       |       |
| 141     | 86.9  | 71.6   | 107.4 |       |
| 115     | 35.1  | 24.2   | 36.4  |       |

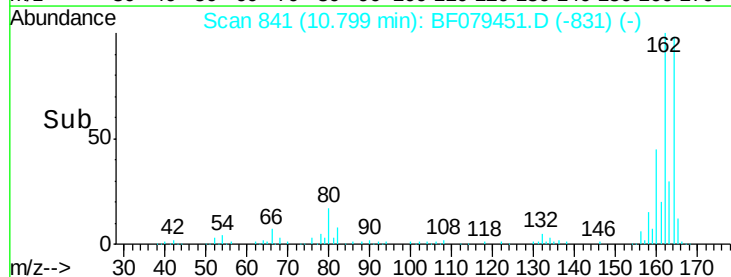
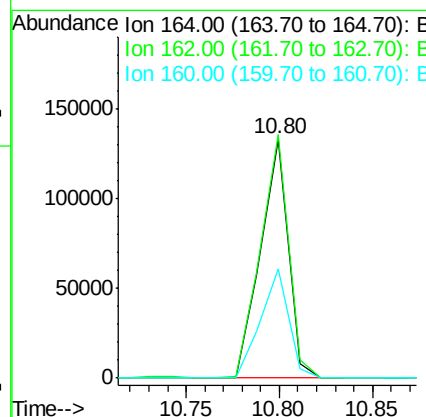
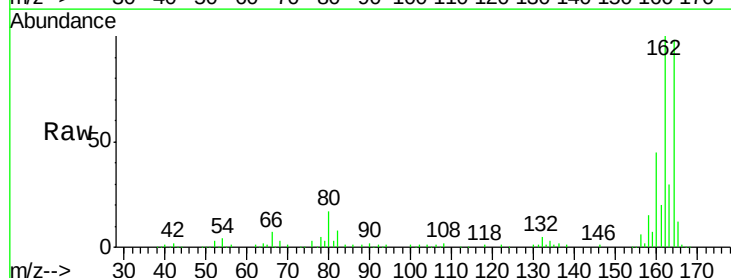
Manual Integrations  
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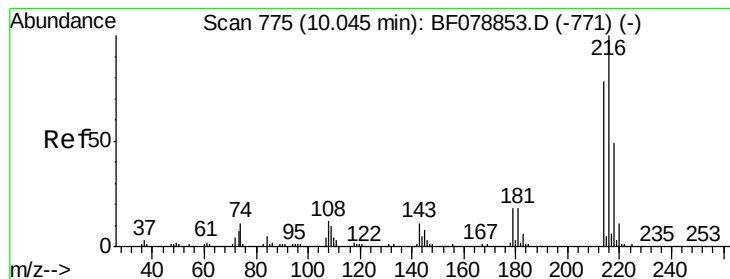
apatel  
5/27/2015 8:16:53 AM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.80 min Scan# 841  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 136975 |       |       |
| 162     | 101.9 | 81.4   | 122.0 |       |
| 160     | 45.6  | 36.6   | 54.8  |       |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.50 ng

RT: 9.72 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

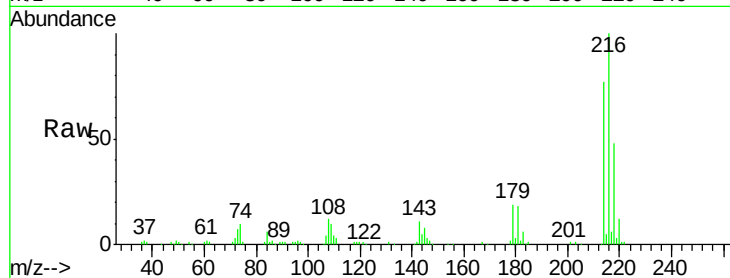
ClientSampleId :

PB83563BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 216     | 100  |       | 152360 |       |       |
| 214     | 78.0 |       | 64.0   | 96.0  |       |
| 179     | 21.2 |       | 17.0   | 25.4  |       |
| 108     | 22.4 |       | 17.0   | 25.6  |       |

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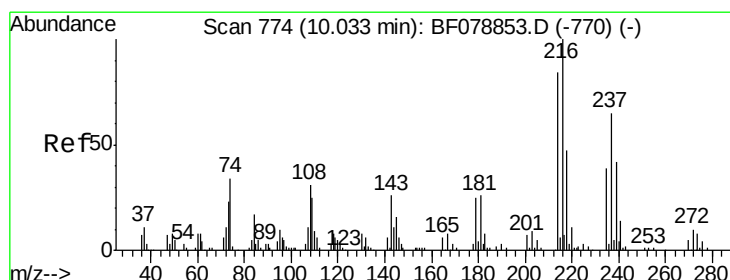
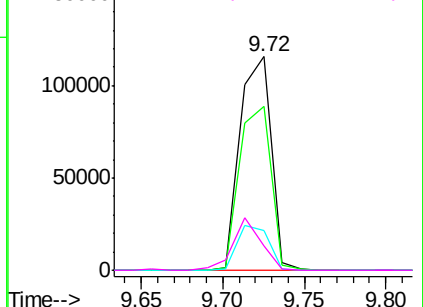
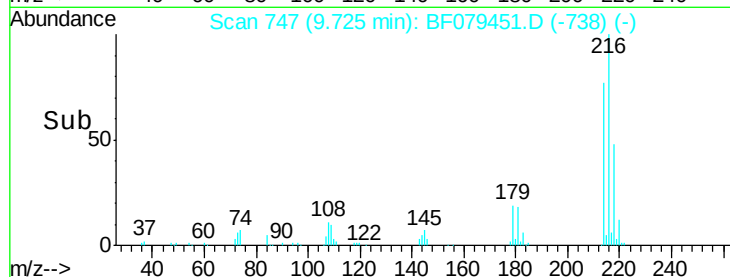


Abundance Ion 216.00 (215.70 to 216.70): E

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: 51.13 ng

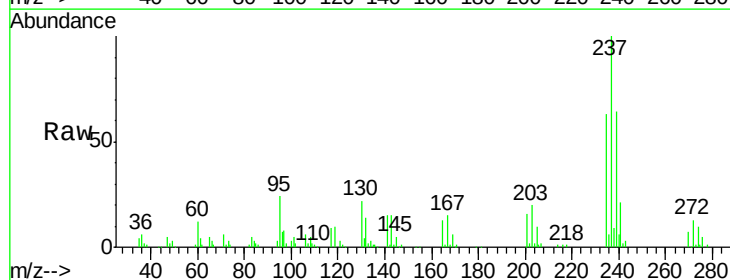
RT: 9.70 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

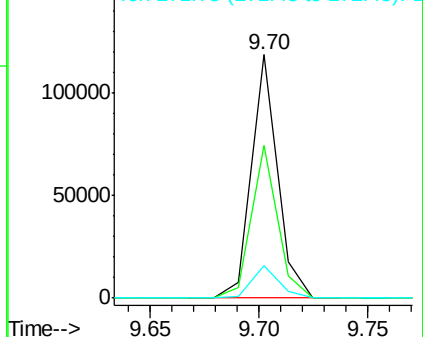
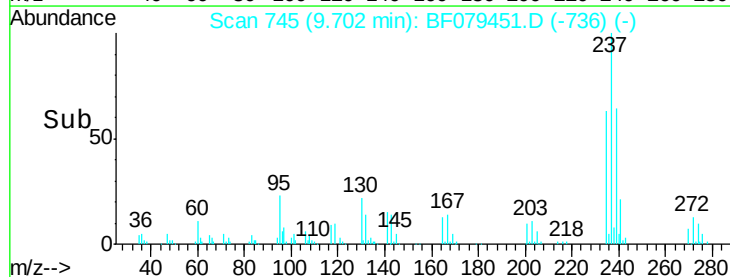
| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 237     | 100  |       | 99180 |       |       |
| 235     | 62.6 |       | 40.0  | 80.0  |       |
| 272     | 13.1 |       | 0.0   | 36.0  |       |



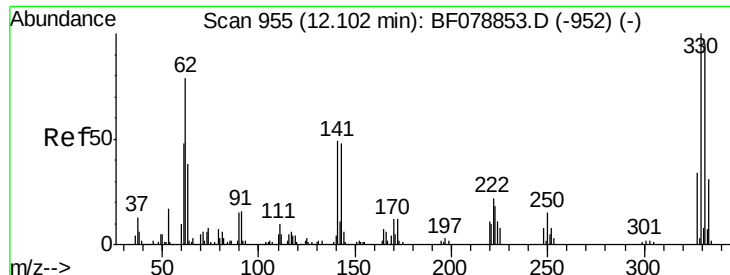
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E







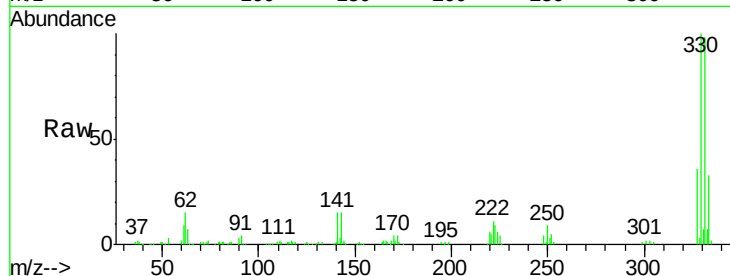
#41  
 2,4,6-Tribromophenol  
 Concen: 133.71 ng  
 RT: 11.78 min Scan# 927  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83563BS

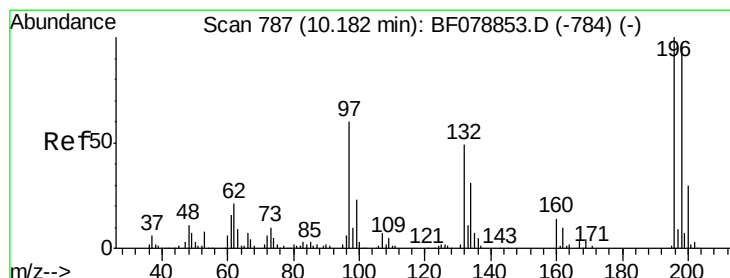
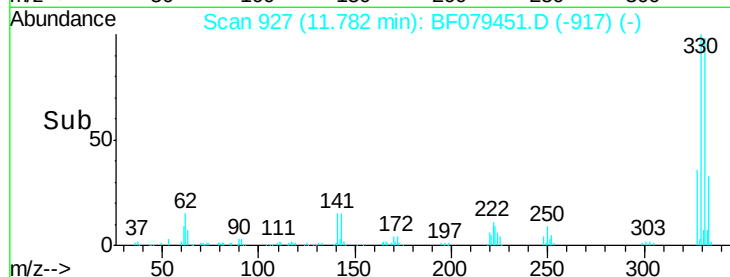
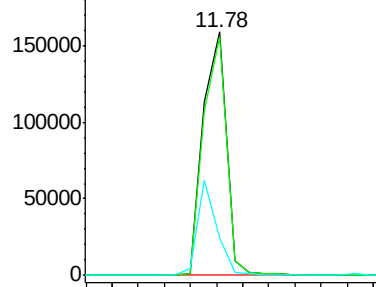
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 198134 |       |       |
| 332     | 96.4  | 76.9   | 115.3 |       |
| 141     | 32.6  | 27.8   | 41.8  |       |

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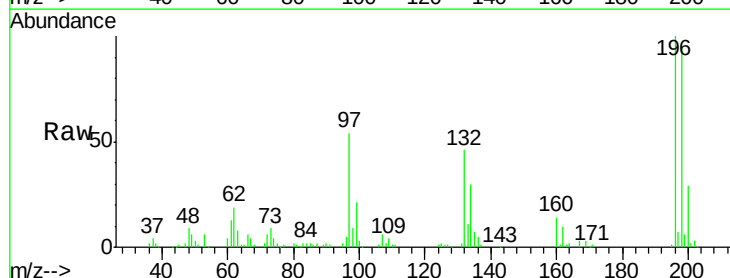


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

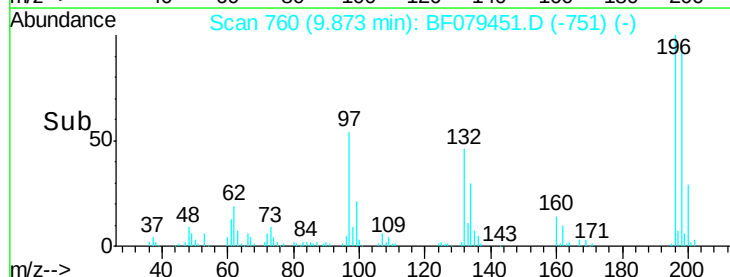
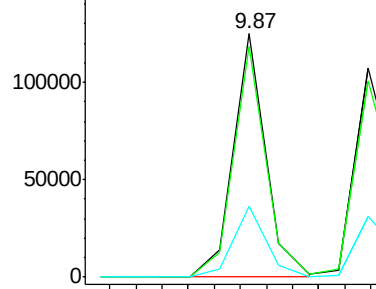


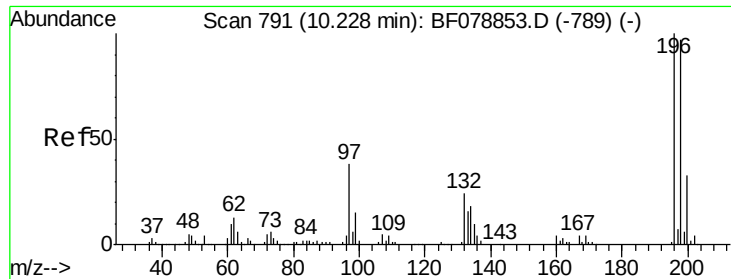
#42  
 2,4,6-Trichlorophenol  
 Concen: 40.72 ng  
 RT: 9.87 min Scan# 760  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 107998 |       |       |
| 198     | 94.7  | 77.4   | 116.2 |       |
| 200     | 29.3  | 23.7   | 35.5  |       |



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





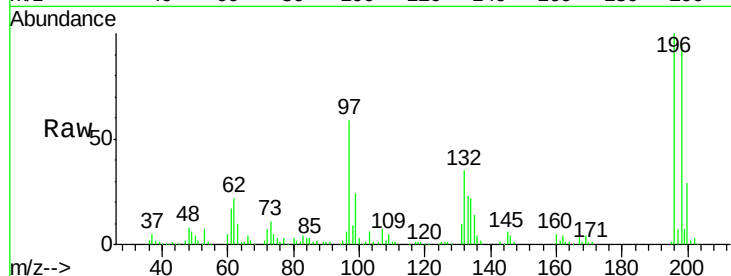
#43  
 2,4,5-Trichlorophenol  
 Concen: 42.22 ng  
 RT: 9.92 min Scan# 764  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB83563BS

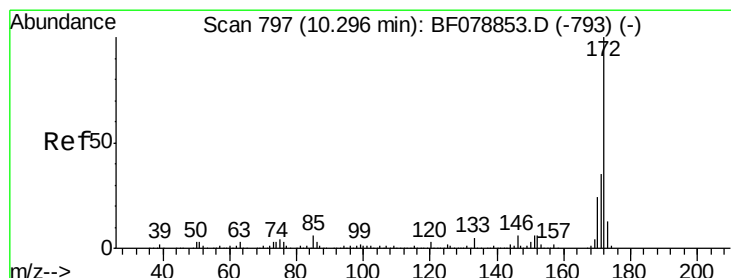
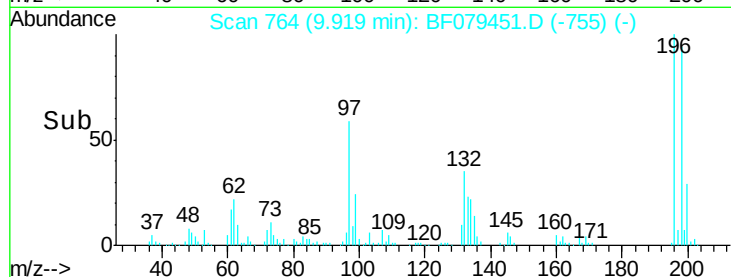
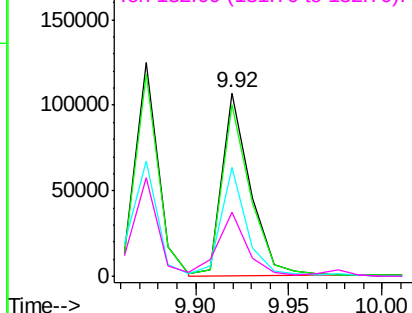
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 196     | 100  |       | 113200 |       |       |
| 198     | 93.5 | 77.3  | 115.9  |       |       |
| 97      | 59.0 | 31.3  | 46.9   |       |       |
| 132     | 35.0 | 19.7  | 29.5   |       |       |

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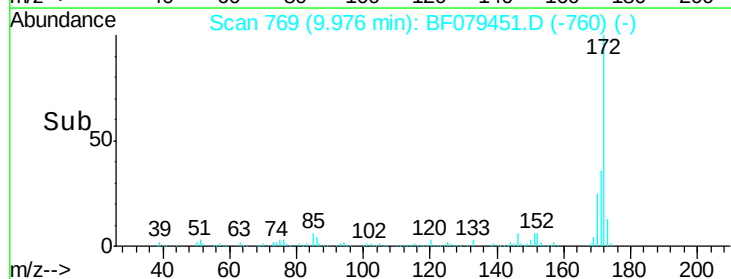
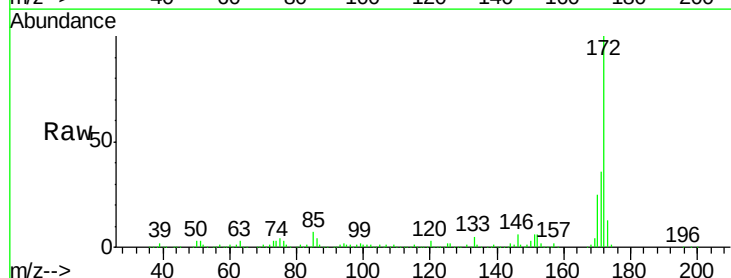
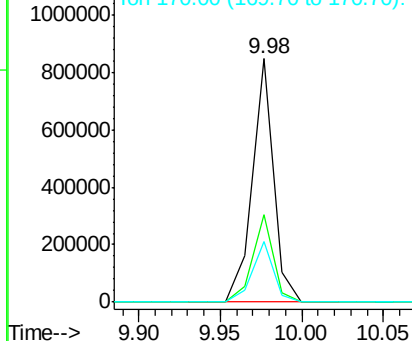
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

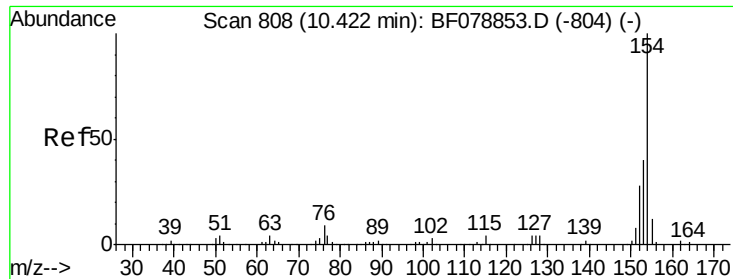


#44  
 2-Fluorobiphenyl  
 Concen: 77.68 ng  
 RT: 9.98 min Scan# 769  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 172     | 100  |       | 763767 |       |       |
| 171     | 35.8 | 28.3  | 42.5   |       |       |
| 170     | 24.7 | 19.4  | 29.2   |       |       |

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





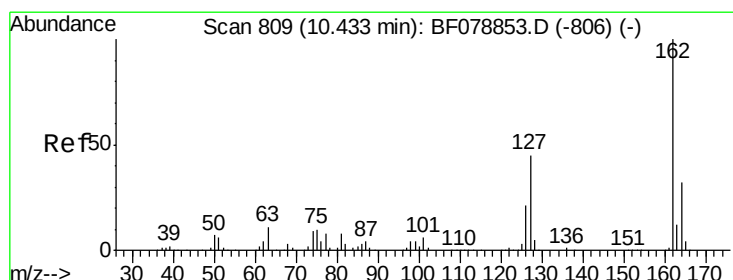
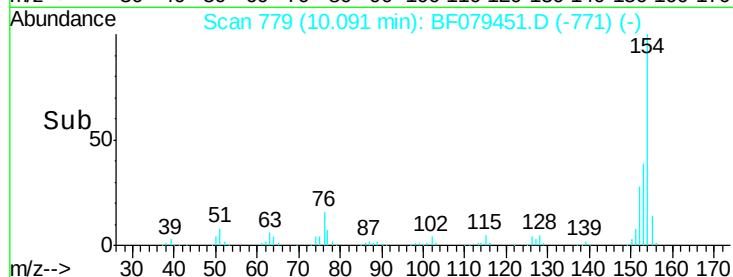
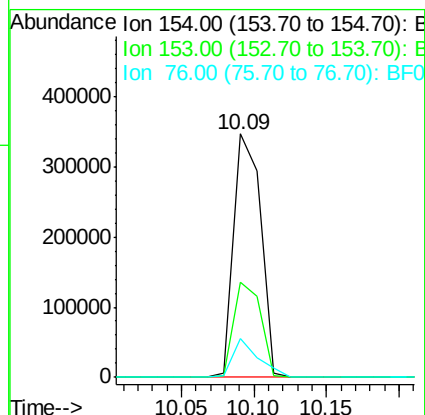
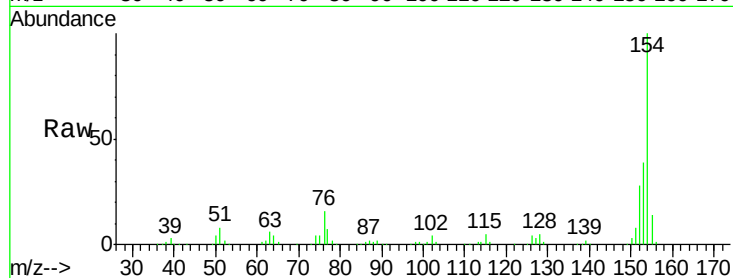
#45  
1,1'-Biphenyl  
Concen: 41.26 ng  
RT: 10.09 min Scan# 779  
Delta R.T. -0.01 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.1  | 19.7  | 59.7  |
| 76      | 15.9  | 0.0   | 29.1  |

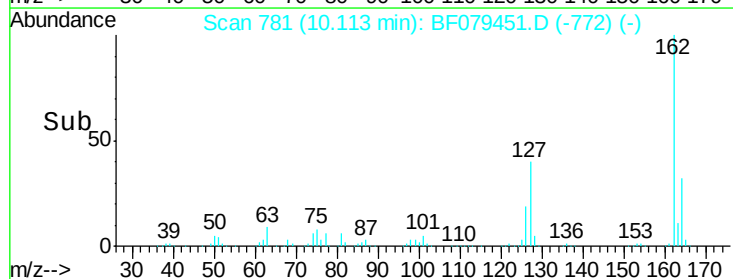
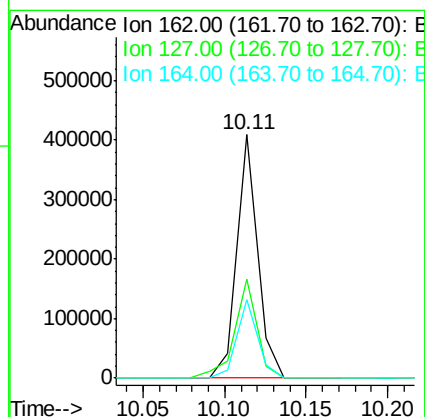
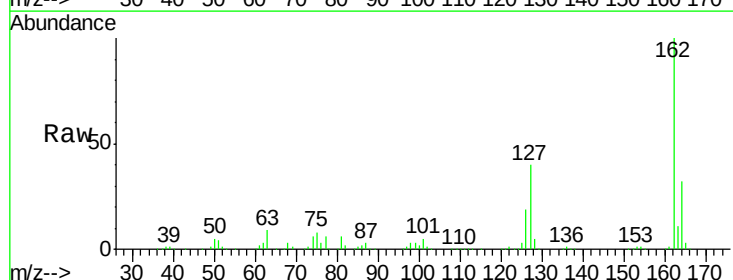
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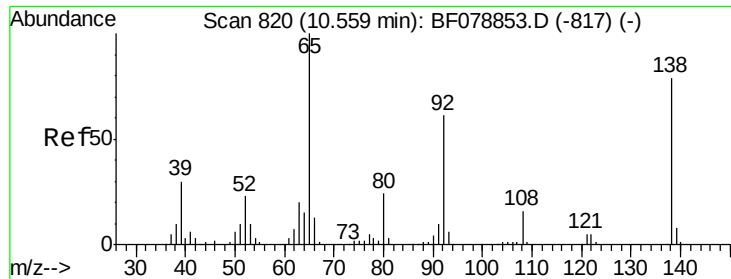
apatel  
5/27/2015 8:16:53 AM



#46  
2-Chloronaphthalene  
Concen: 42.18 ng  
RT: 10.11 min Scan# 781  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.5  | 36.3  | 54.5  |
| 164     | 32.4  | 25.9  | 38.9  |





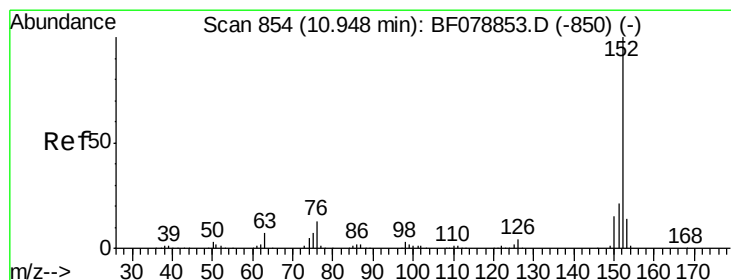
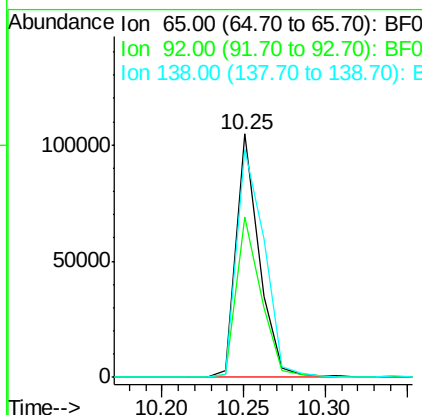
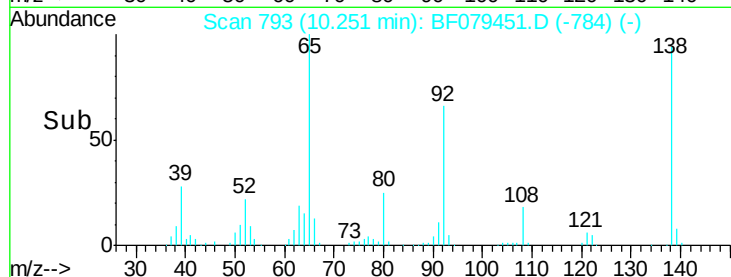
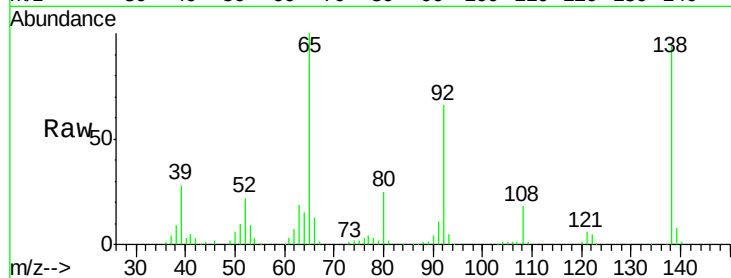
#47  
 2-Nitroaniline  
 Concen: 41.52 ng  
 RT: 10.25 min Scan# 793  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83563BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 65    | Resp: | 102184 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 66.1  | 49.1  | 73.7   |
| 138       | 93.7  | 63.2  | 94.8   |

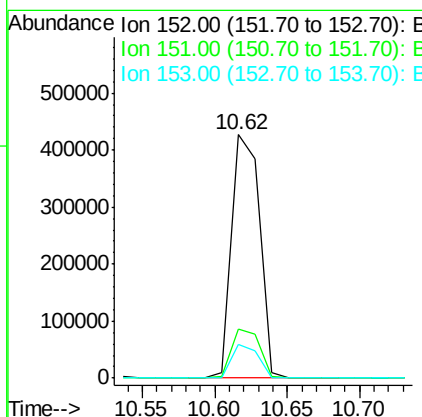
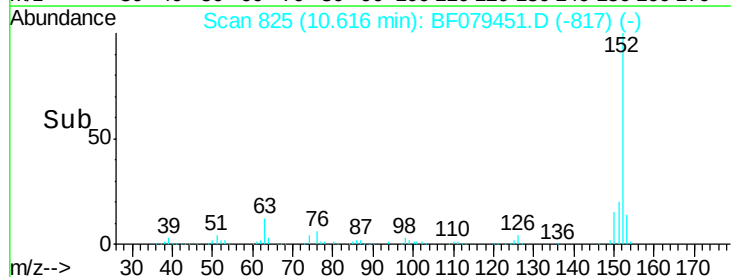
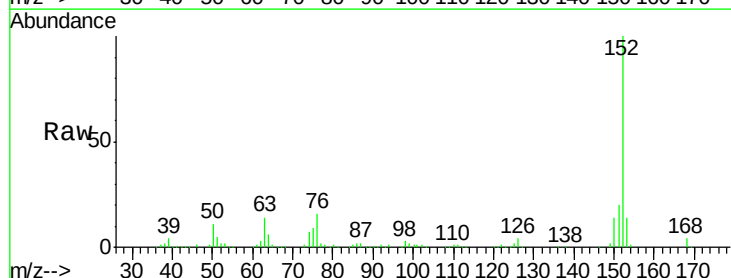
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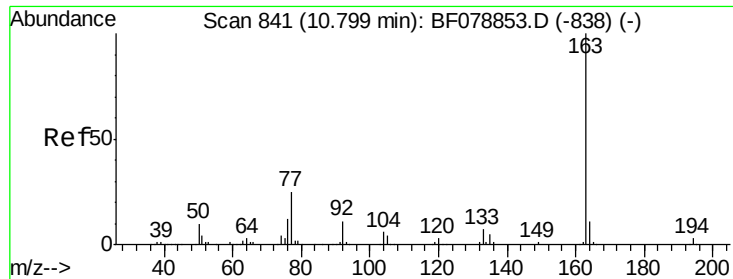
apatel  
 5/27/2015 8:16:53 AM



#48  
 Acenaphthylene  
 Concen: 41.08 ng  
 RT: 10.62 min Scan# 825  
 Delta R.T. -0.01 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 572915 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.3  | 16.6  | 24.8   |
| 153       | 13.7  | 11.0  | 16.6   |





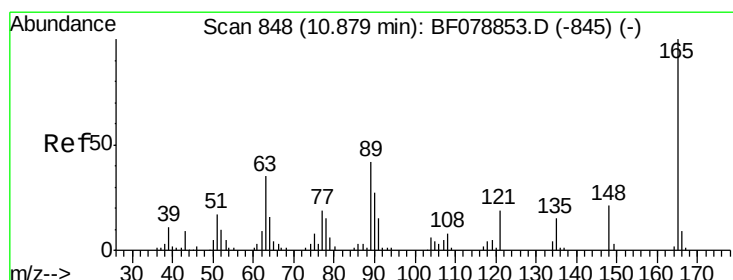
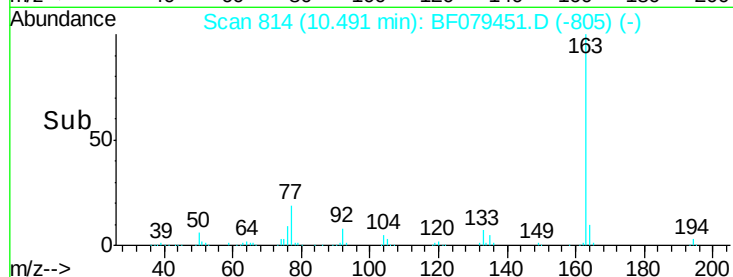
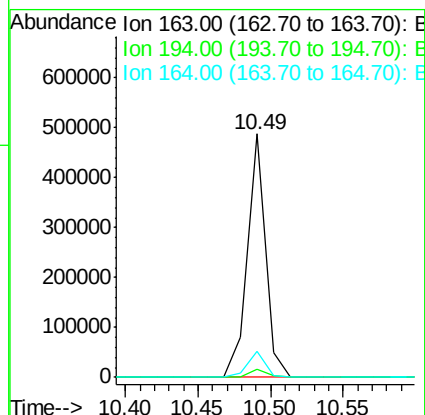
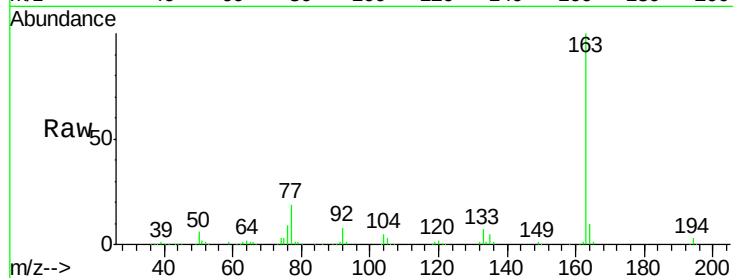
#49  
Dimethylphthalate  
Concen: 42.42 ng  
RT: 10.49 min Scan# 814  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 426414 |       |       |
| 194     | 3.3   | 2.4    | 3.6   |       |
| 164     | 10.5  | 8.6    | 12.8  |       |

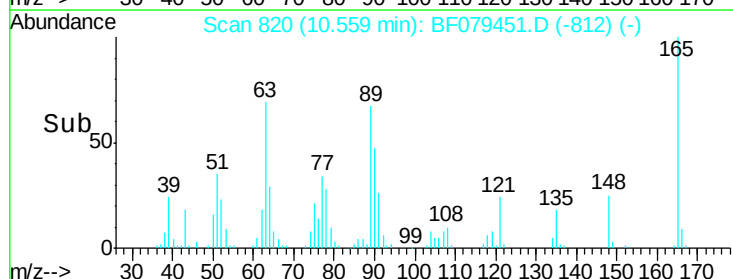
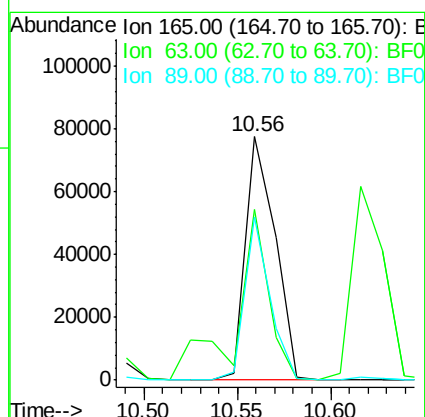
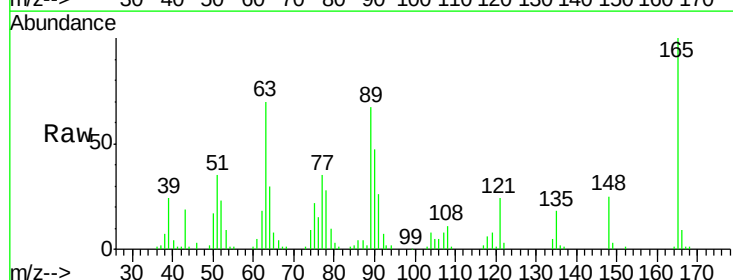
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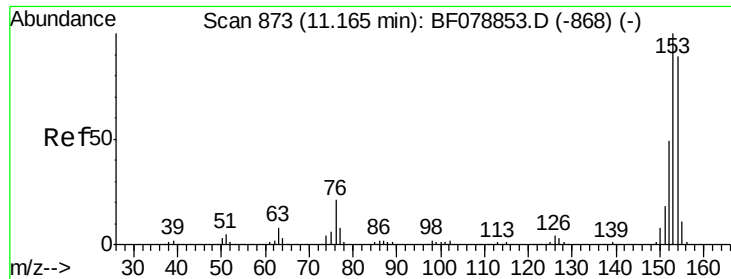
apatel  
5/27/2015 8:16:53 AM



#50  
2,6-Dinitrotoluene  
Concen: 43.53 ng  
RT: 10.56 min Scan# 820  
Delta R.T. -0.01 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 86357 |       |       |
| 63      | 70.2  | 29.2  | 43.8# |       |
| 89      | 67.0  | 33.3  | 49.9# |       |





#51

Acenaphthene

Concen: 39.97 ng

RT: 10.83 min Scan# 844

Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

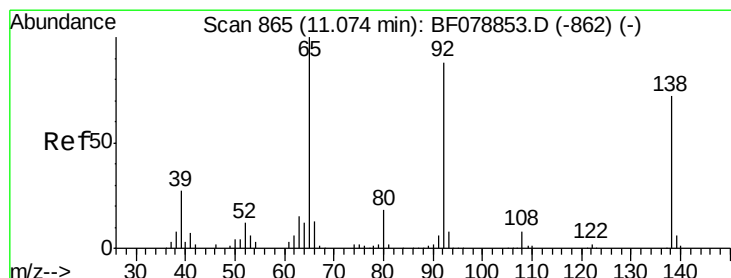
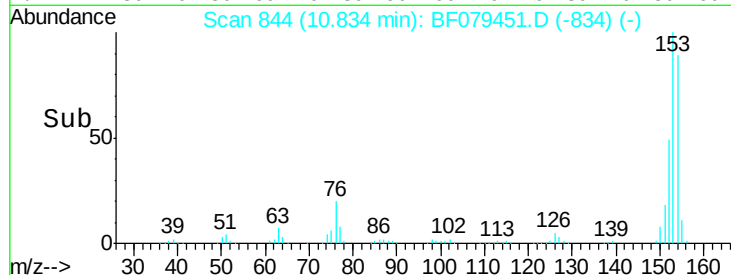
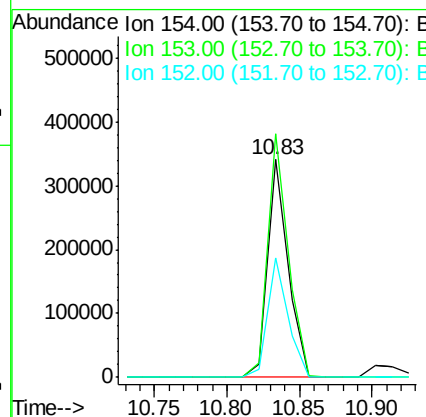
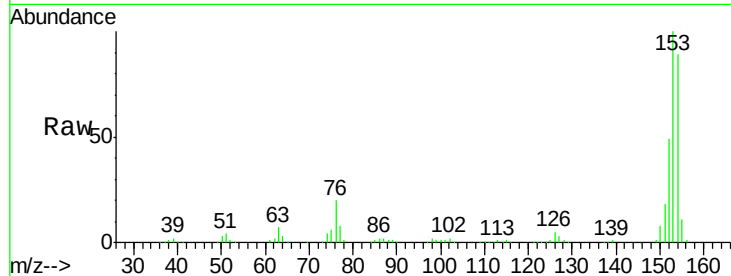
ClientSampleID :

PB83563BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 332390 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.9 | 90.2  | 135.2  |
| 152       | 55.1  | 43.8  | 65.8   |

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#52

3-Nitroaniline

Concen: 32.52 ng

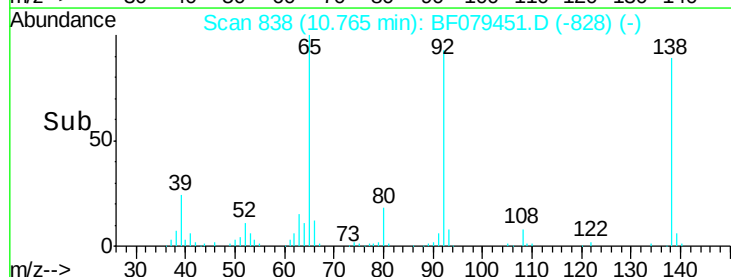
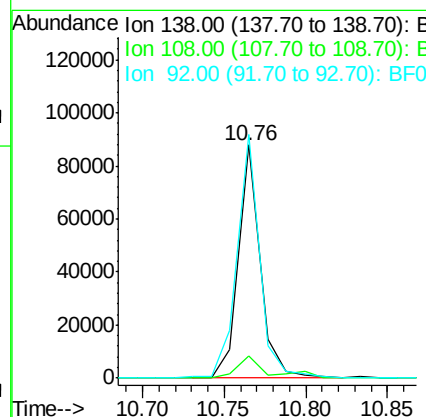
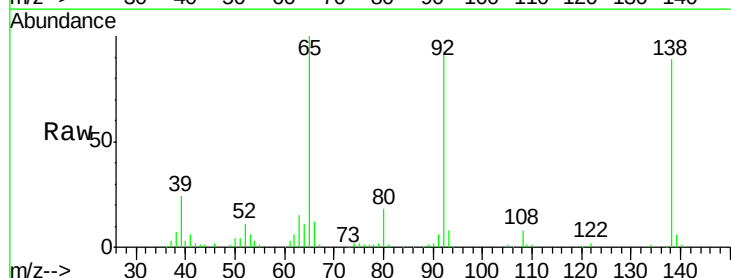
RT: 10.76 min Scan# 838

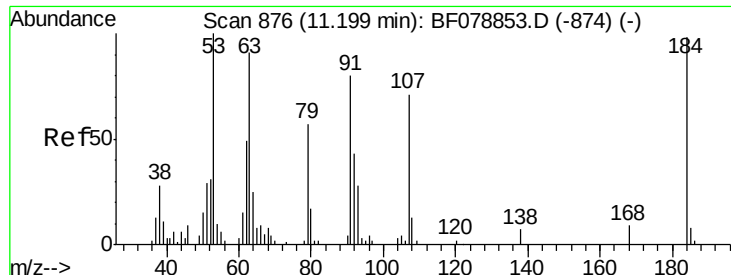
Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 80601 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 9.3   | 8.5   | 12.7  |
| 92        | 104.4 | 97.4  | 146.0 |





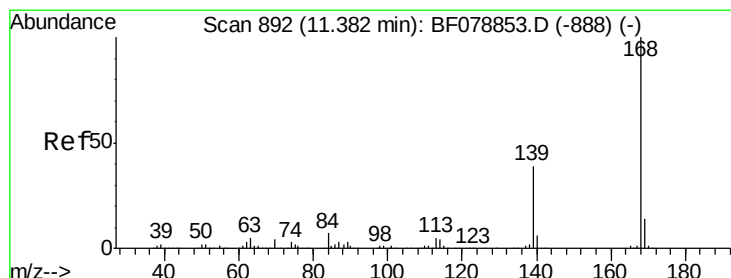
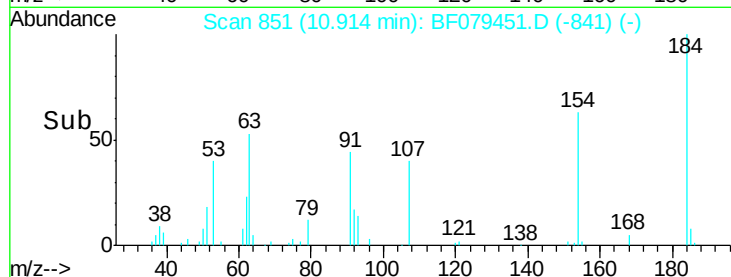
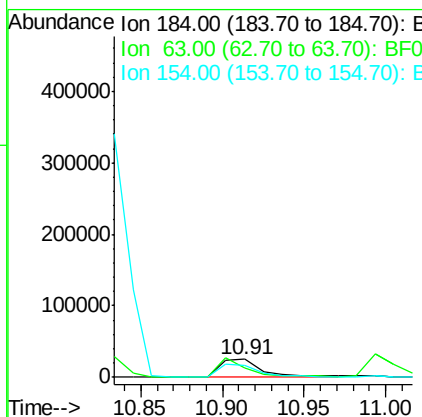
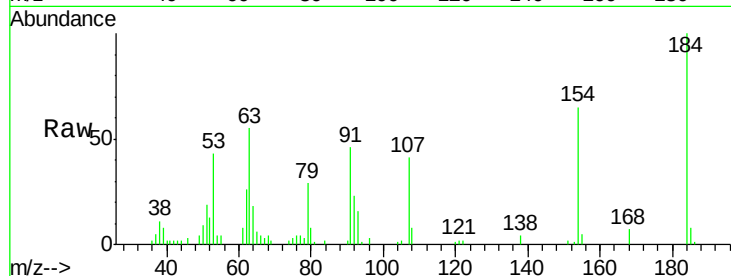
#53  
2,4-Dinitrophenol  
Concen: 63.27 ng  
RT: 10.91 min Scan# 851  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

Tot Ion:184 Resp: 45508  
Ion Ratio Lower Upper  
184 100  
63 54.7 98.8 148.2#  
154 64.9 63.4 95.0

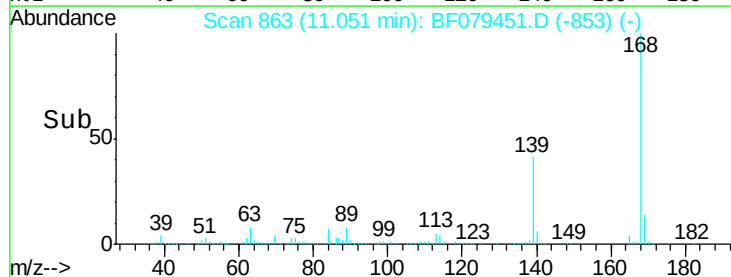
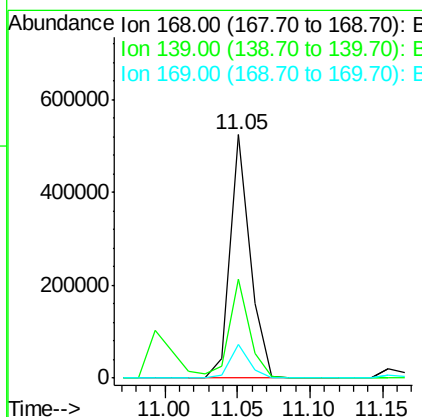
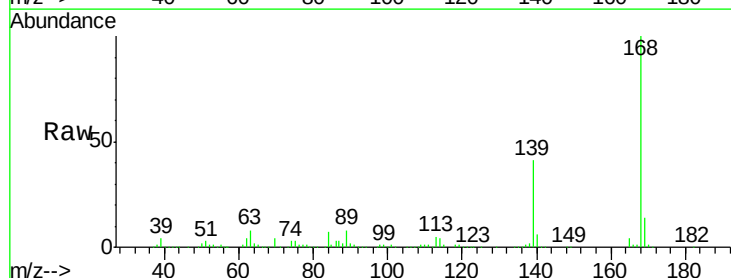
Manual Integrations  
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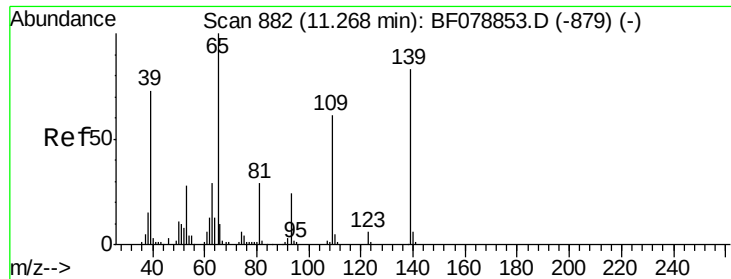
apatel  
5/27/2015 8:16:53 AM



#54  
Dibenzofuran  
Concen: 41.96 ng  
RT: 11.05 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Tgt Ion:168 Resp: 504093  
Ion Ratio Lower Upper  
168 100  
139 40.7 31.5 47.3  
169 13.8 11.0 16.4





#55

4-Nitrophenol

Concen: 64.07 ng

RT: 10.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

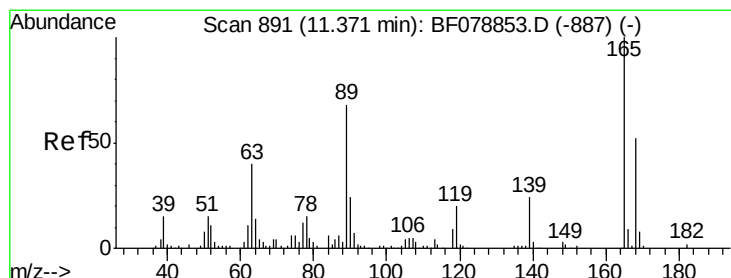
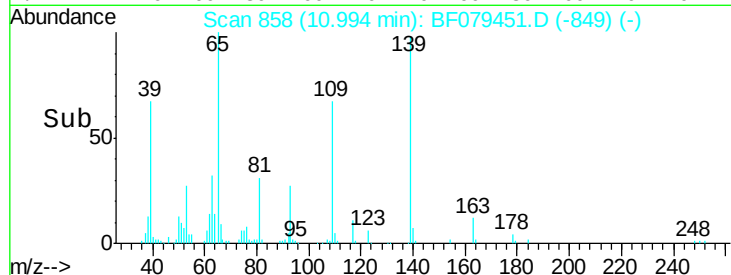
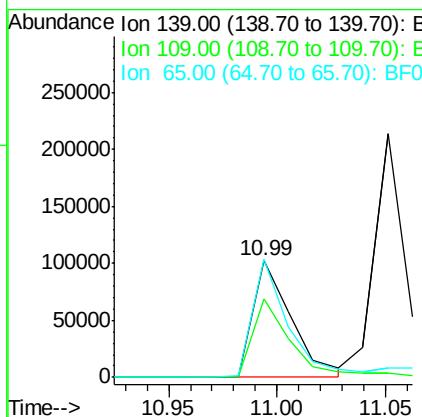
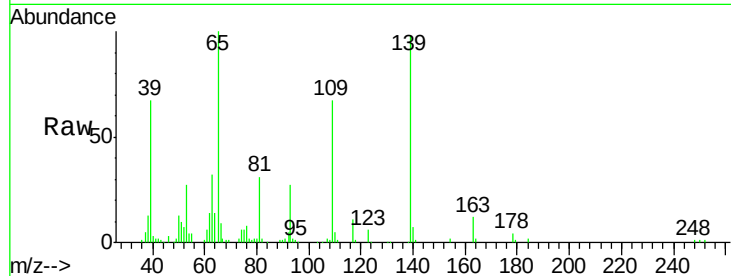
ClientSampled :

PB83563BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 139   | Resp: | 125673 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 67.8  | 54.4  | 94.4   |
| 65        | 101.7 | 101.0 | 141.0  |

Manual Integrations  
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apatel  
5/27/2015 8:16:53 AM



#56

2,4-Dinitrotoluene

Concen: 45.83 ng

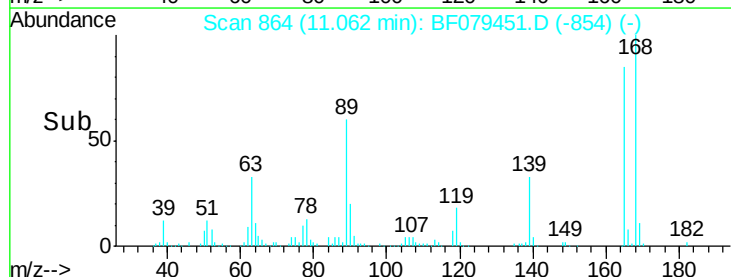
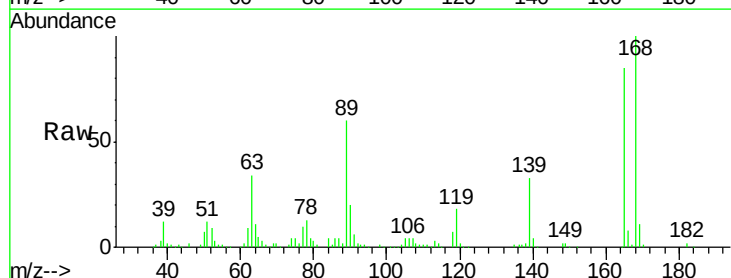
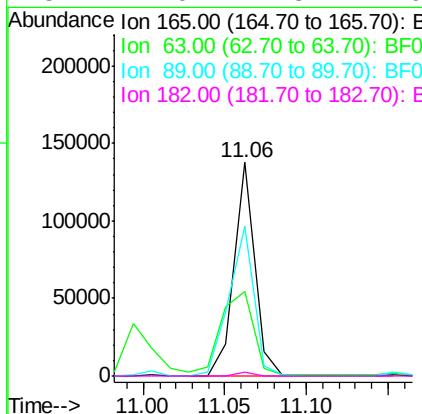
RT: 11.06 min Scan# 864

Delta R.T. 0.00 min

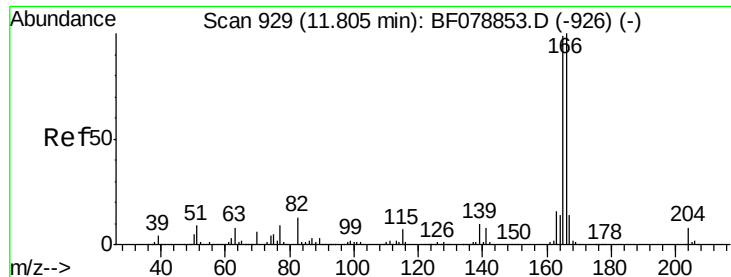
Lab File: BF079451.D

Acq: 22 May 2015 23:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 120198 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 39.7  | 32.3  | 48.5   |
| 89        | 70.1  | 54.6  | 81.8   |
| 182       | 2.0   | 1.8   | 2.6    |







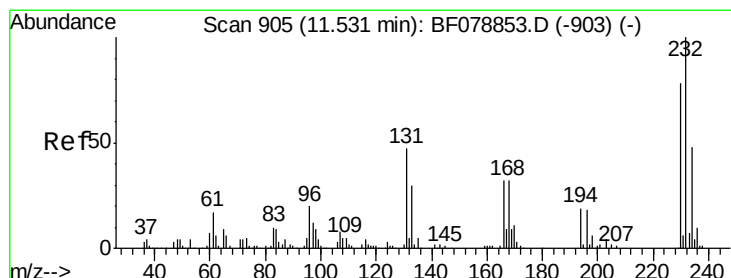
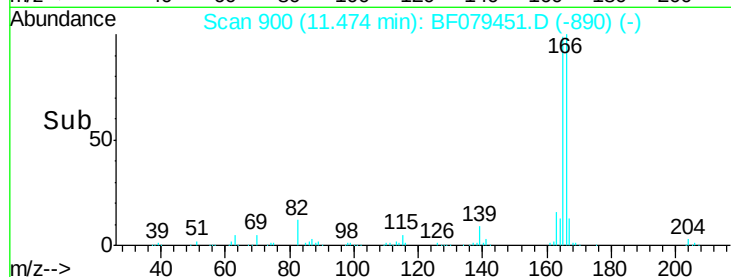
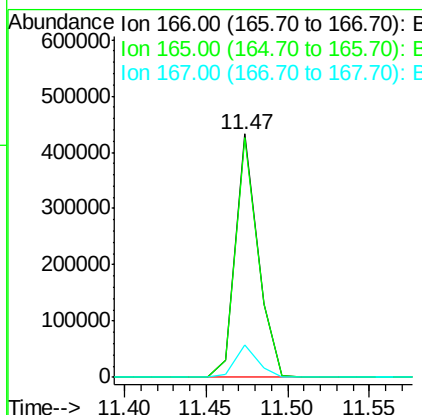
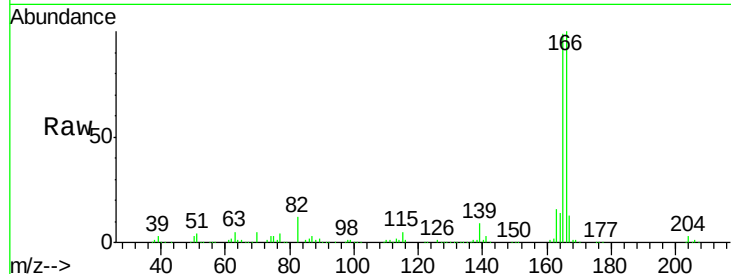
#57  
 Fluorene  
 Concen: 41.71 ng  
 RT: 11.47 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83563BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 411268 |       |       |
| 165     | 98.5  | 79.5   | 119.3 |       |
| 167     | 13.4  | 11.0   | 16.6  |       |

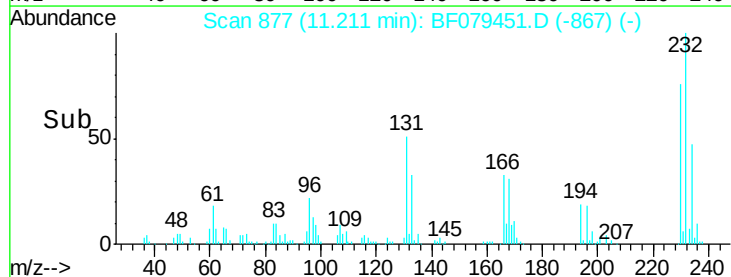
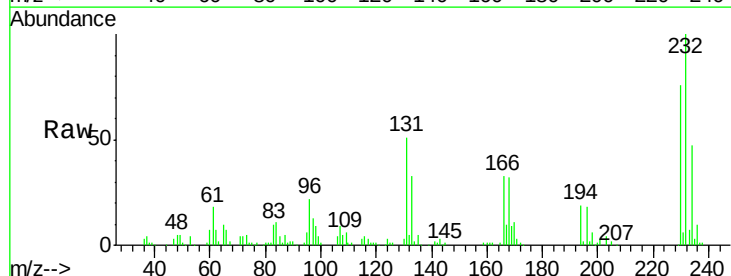
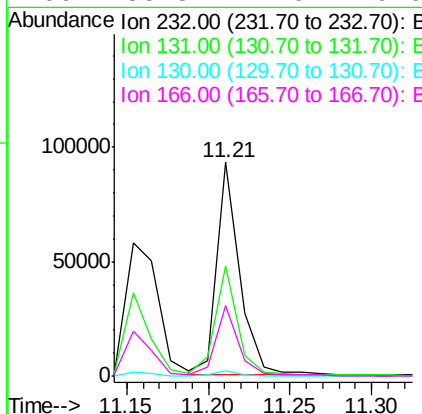
Manual Integrations  
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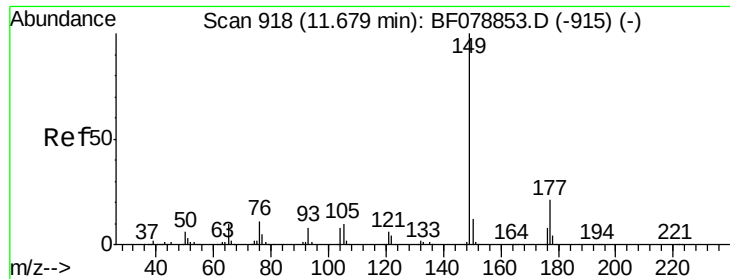
apatel  
 5/27/2015 8:16:53 AM



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 41.12 ng  
 RT: 11.21 min Scan# 877  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 232     | 100   | 90101 |       |       |
| 131     | 51.3  | 41.9  | 62.9  |       |
| 130     | 2.7   | 1.9   | 2.9   |       |
| 166     | 33.3  | 27.0  | 40.6  |       |





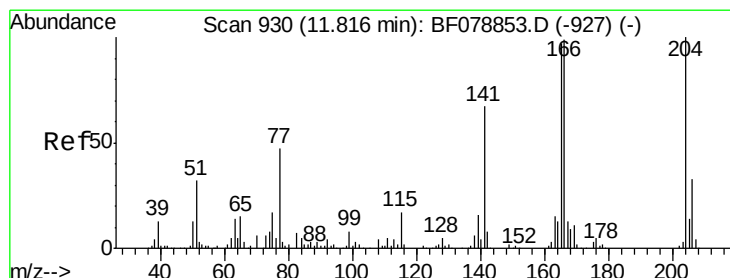
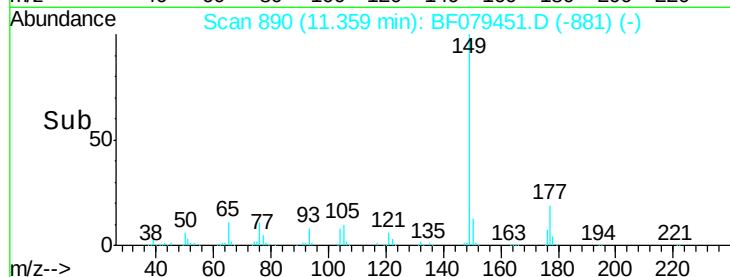
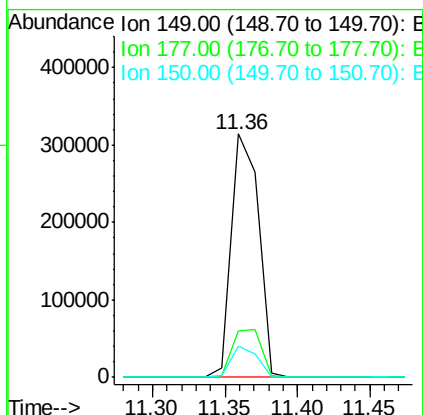
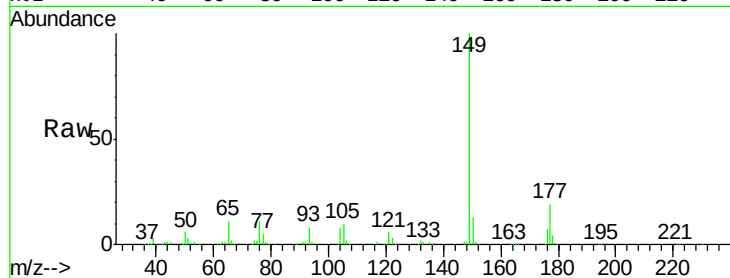
#59  
Diethylphthalate  
Concen: 41.14 ng  
RT: 11.36 min Scan# 890  
Delta R.T. -0.01 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 409735 |       |       |
| 177     | 18.9  |        | 16.4  | 24.6  |
| 150     | 13.0  |        | 9.8   | 14.6  |

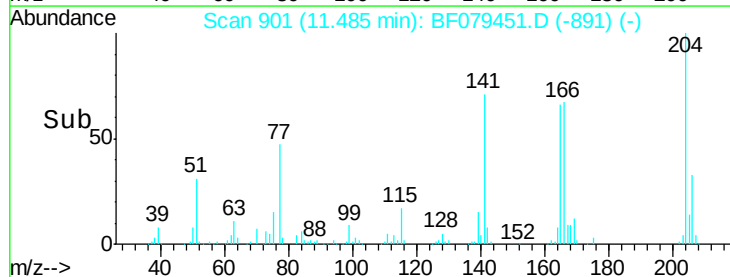
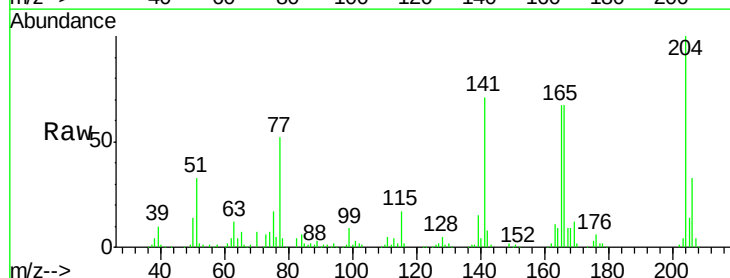
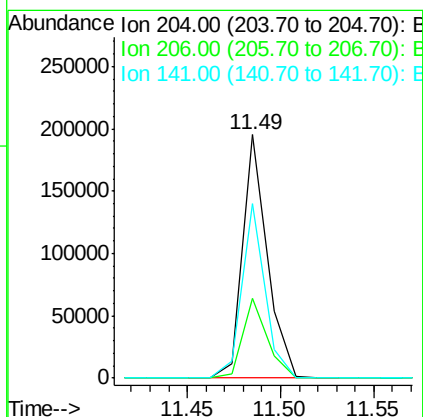
Manual Integrations  
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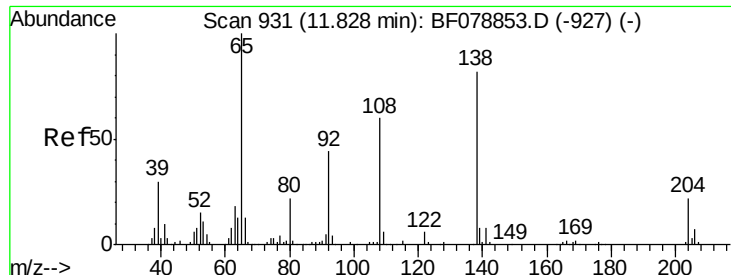
apatel  
5/27/2015 8:16:53 AM



#60  
4-Chlorophenyl-phenylether  
Concen: 40.97 ng  
RT: 11.49 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 179207 |       |       |
| 206     | 32.6  |        | 26.2  | 39.4  |
| 141     | 71.5  |        | 53.6  | 80.4  |





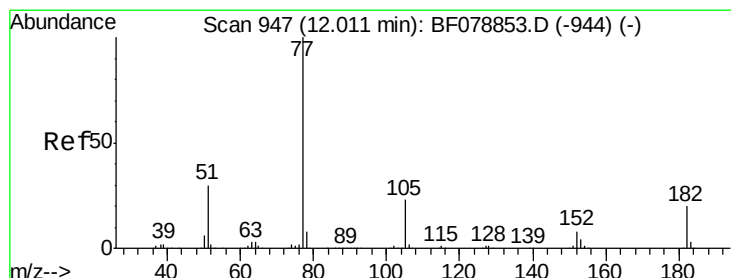
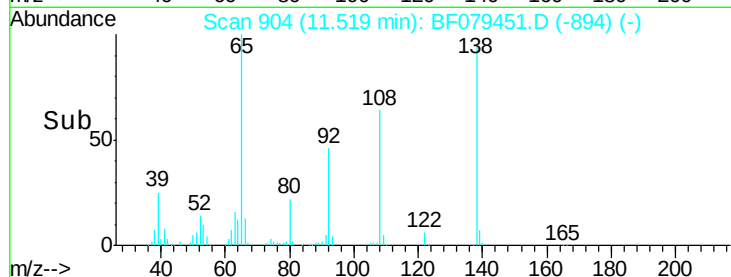
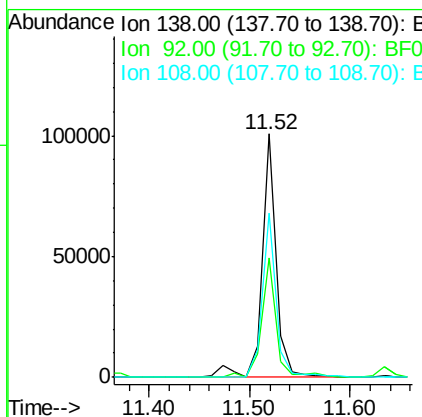
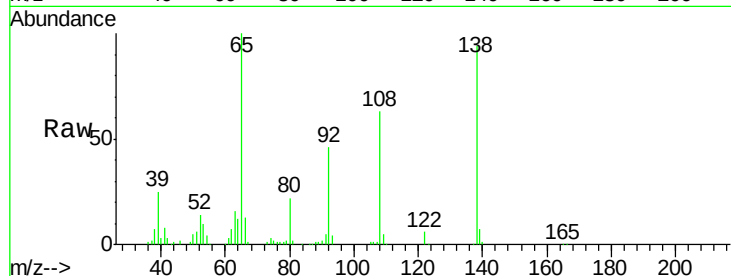
#61  
4-Nitroaniline  
Concen: 39.97 ng  
RT: 11.52 min Scan# 904  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampled :  
PB83563BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 48.9  | 33.7  | 73.7  |
| 108     | 67.5  | 53.4  | 93.4  |

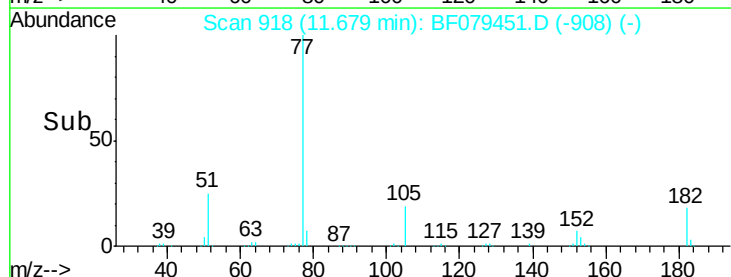
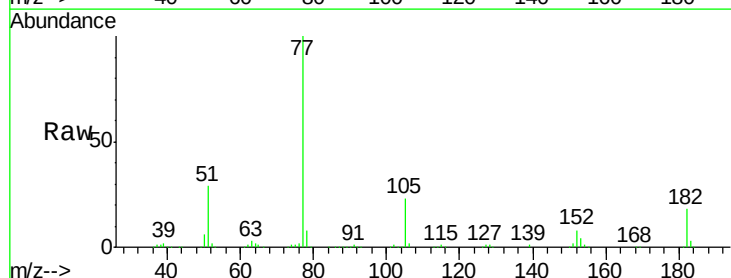
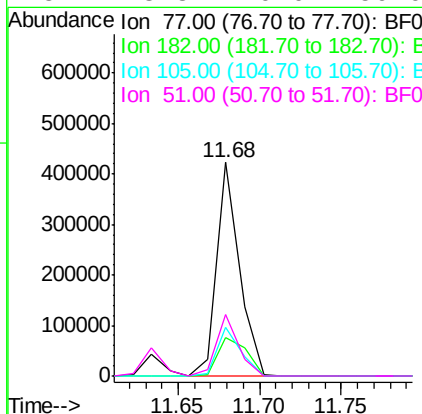
Manual Integrations  
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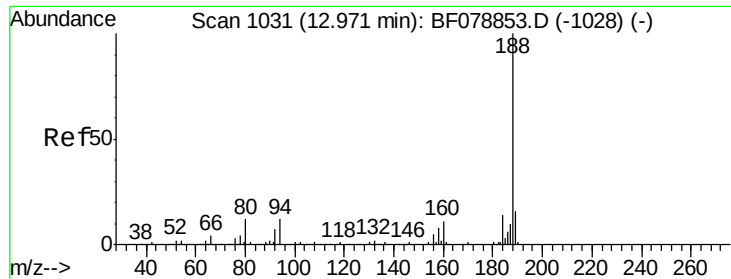
apatel  
5/27/2015 8:16:53 AM



#62  
Azobenzene  
Concen: 41.70 ng  
RT: 11.68 min Scan# 918  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 18.1  | 0.0   | 40.0  |
| 105     | 22.9  | 2.9   | 42.9  |
| 51      | 28.8  | 10.0  | 50.0  |





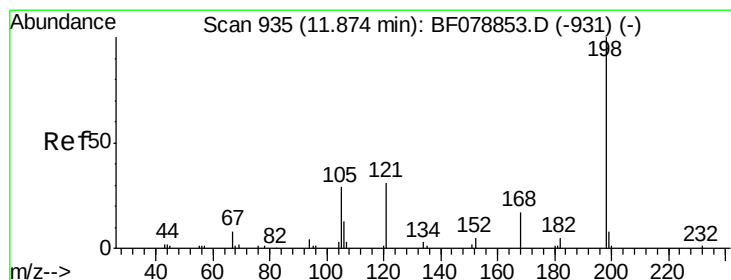
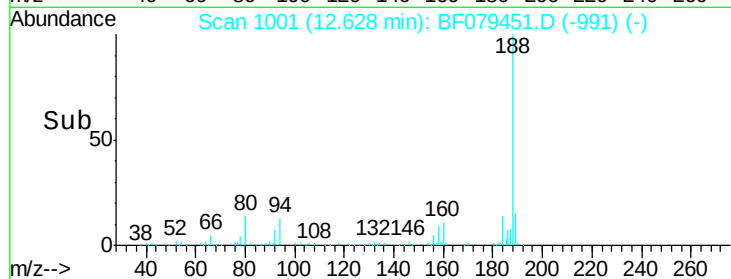
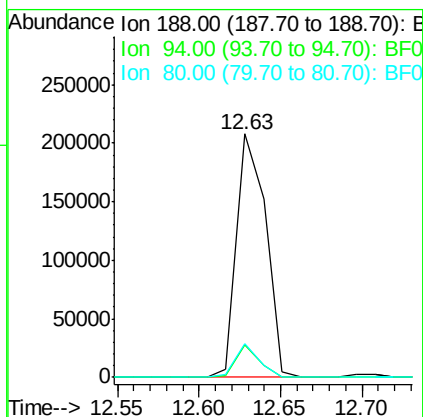
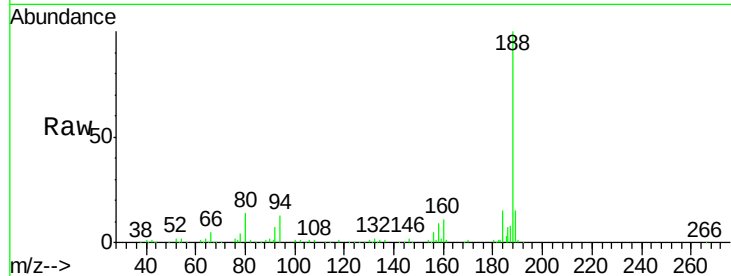
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.63 min Scan# 1001  
Delta R.T. -0.01 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 256201 |       |       |
| 94      | 13.2  |        | 9.4   | 14.0  |
| 80      | 13.7  |        | 9.8   | 14.6  |

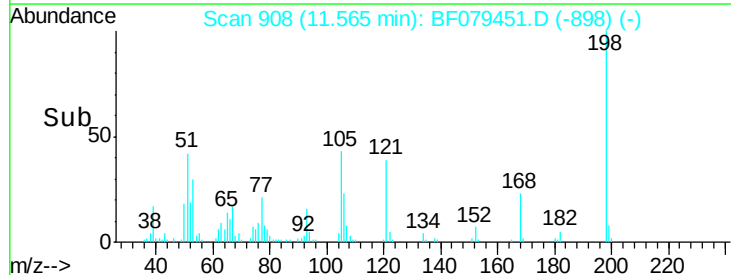
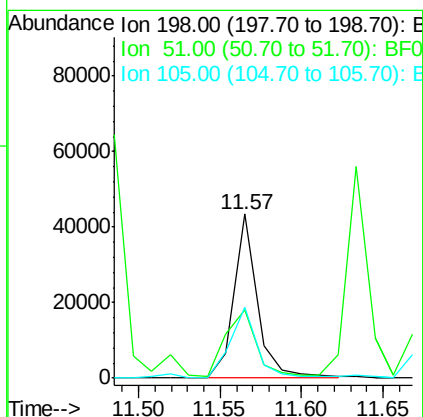
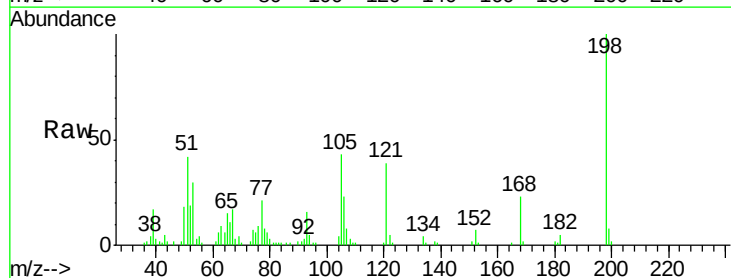
Manual Integrations  
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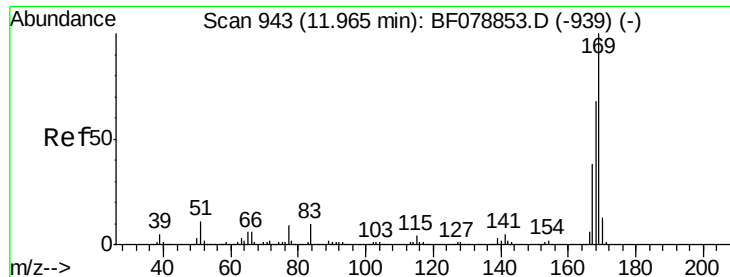
apatel  
5/27/2015 8:16:53 AM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 42.69 ng  
RT: 11.57 min Scan# 908  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 43528 |       |       |
| 51      | 41.8  |       | 7.0   | 47.0  |
| 105     | 43.3  |       | 13.7  | 53.7  |





#65

n-Nitrosodiphenylamine

Concen: 40.86 ng

RT: 11.63 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

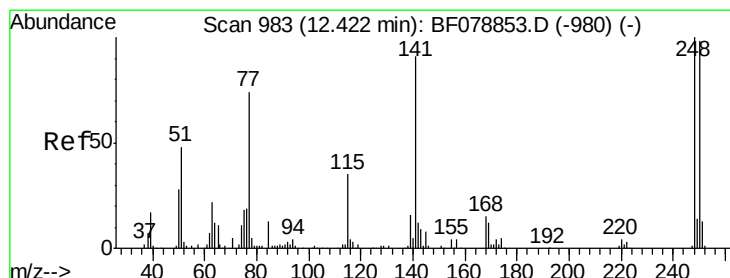
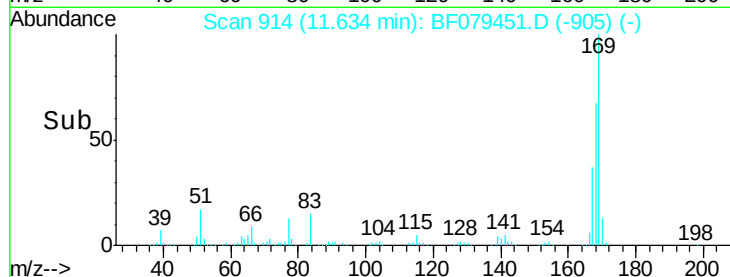
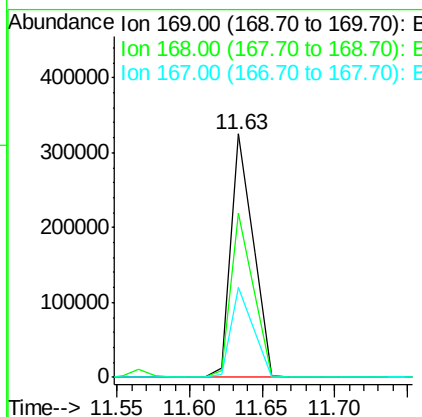
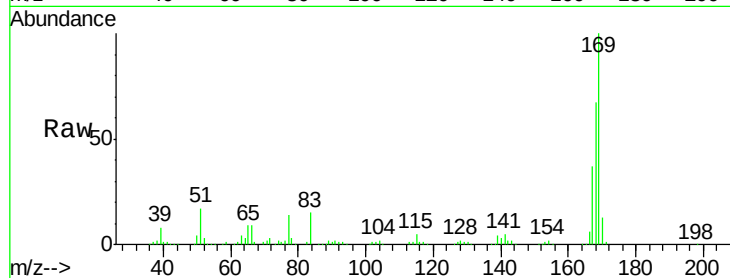
ClientSampleId :

PB83563BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 169   | Resp: | 348605 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 67.2  | 54.1  | 81.1   |
| 167       | 37.0  | 30.1  | 45.1   |

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apatel  
5/27/2015 8:16:53 AM



#66

4-Bromophenyl-phenylether

Concen: 42.53 ng

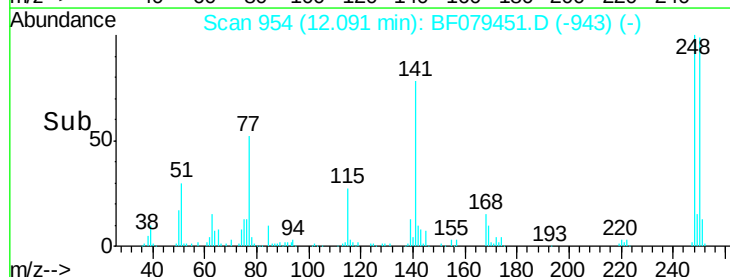
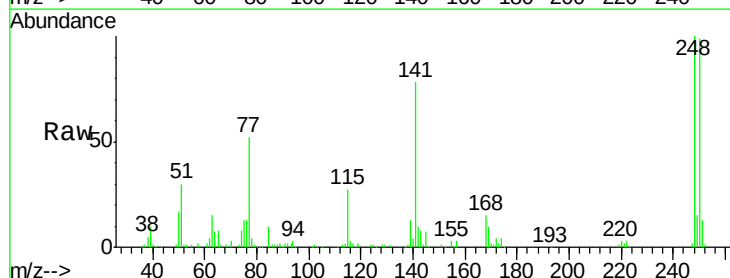
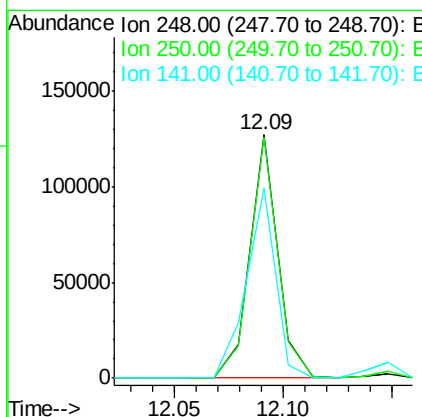
RT: 12.09 min Scan# 954

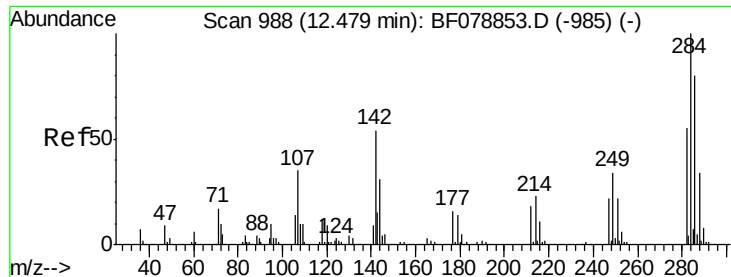
Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 113582 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 99.0  | 78.0  | 117.0  |
| 141       | 77.8  | 72.6  | 109.0  |





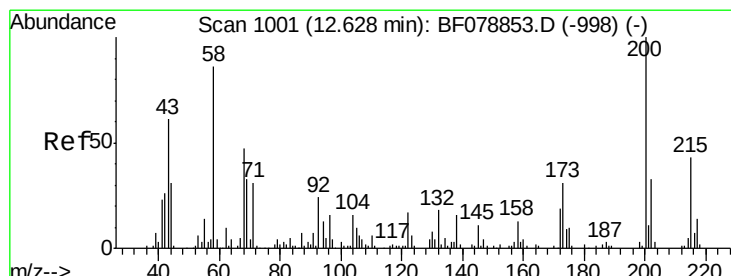
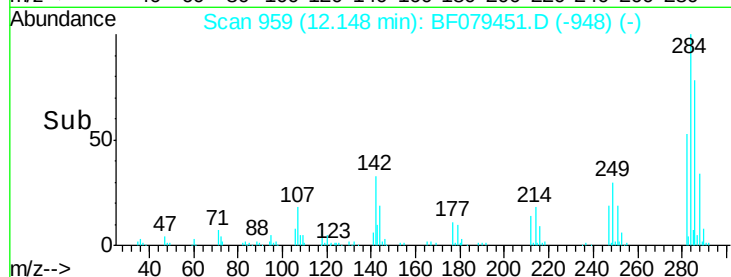
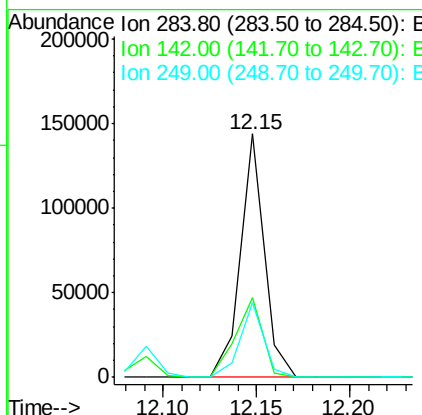
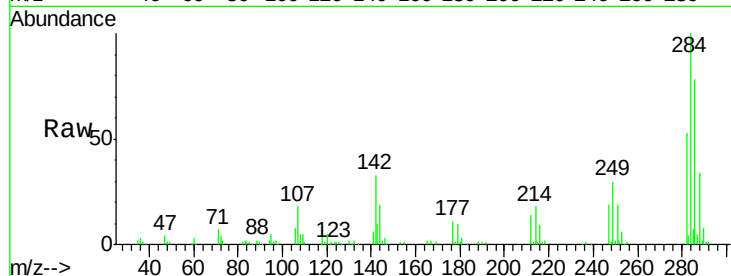
#67  
Hexachlorobenzene  
Concen: 42.25 ng  
RT: 12.15 min Scan# 959  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 284     | 100   |            |            |
| 142     | 32.8  | 43.2       | 64.8#      |
| 249     | 30.5  | 27.5       | 41.3       |

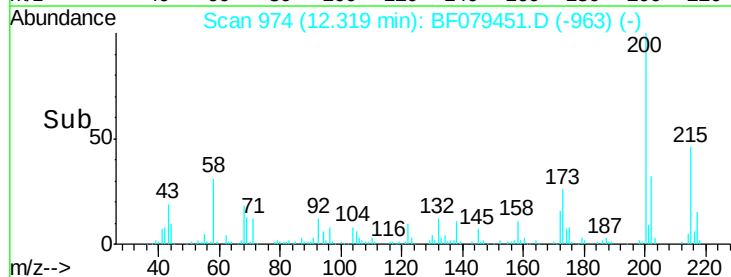
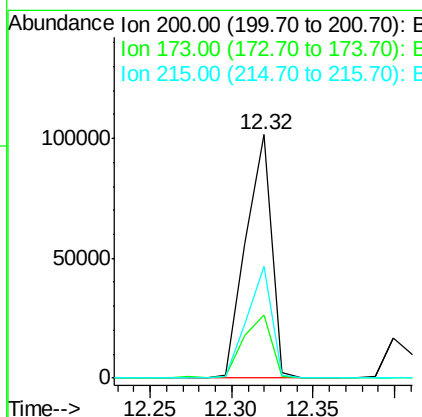
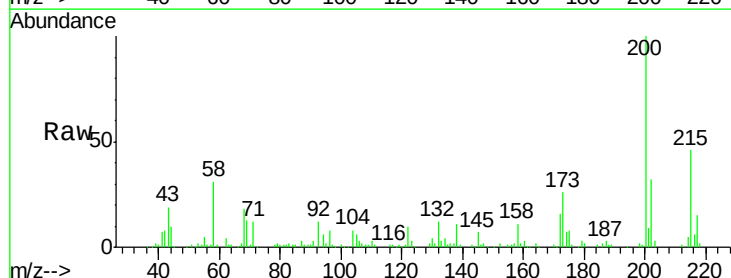
Manual Integrations  
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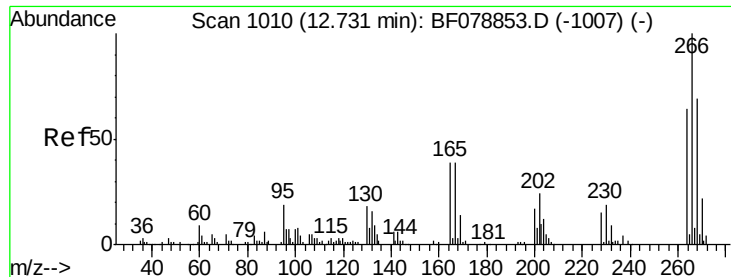
apatel  
5/27/2015 8:16:53 AM



#68  
Atrazine  
Concen: 44.67 ng  
RT: 12.32 min Scan# 974  
Delta R.T. 0.00 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 200     | 100   |            |            |
| 173     | 26.2  | 10.9       | 50.9       |
| 215     | 45.7  | 23.2       | 63.2       |





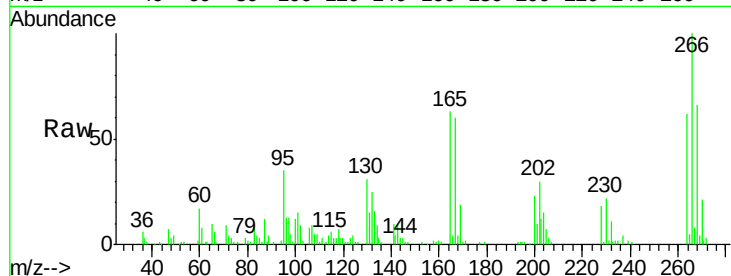
#69  
 Pentachlorophenol  
 Concen: 61.19 ng  
 RT: 12.40 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83563BS

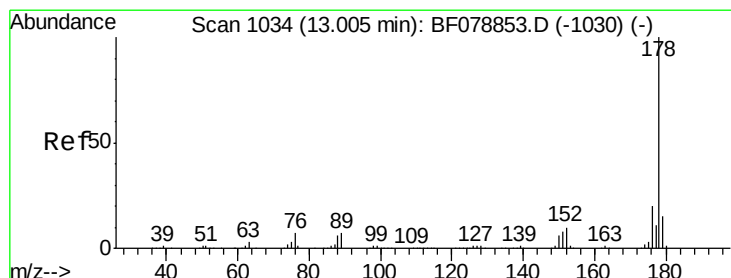
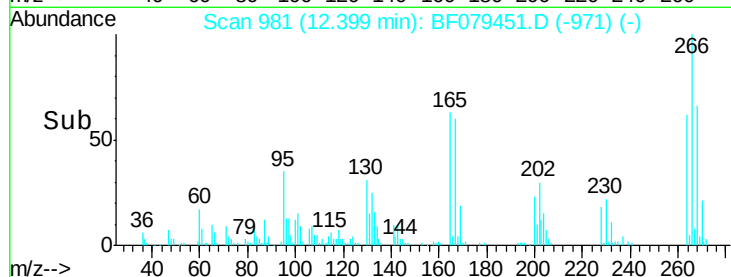
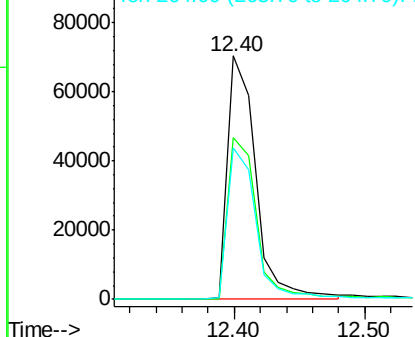
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 106137 |       |       |
| 268     | 66.4  | 55.0   | 82.6  |       |
| 264     | 62.1  | 50.9   | 76.3  |       |

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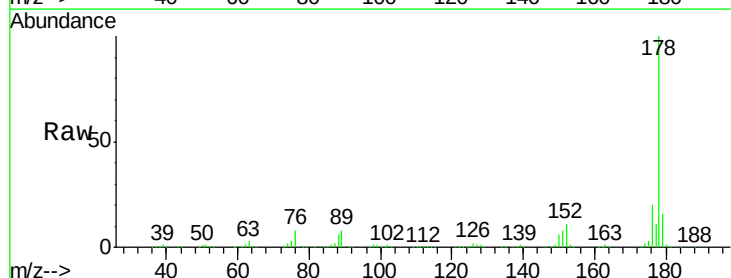


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

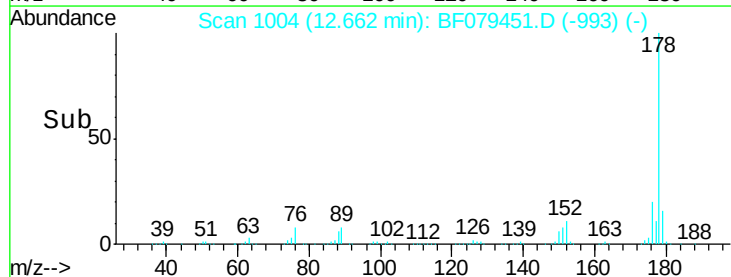
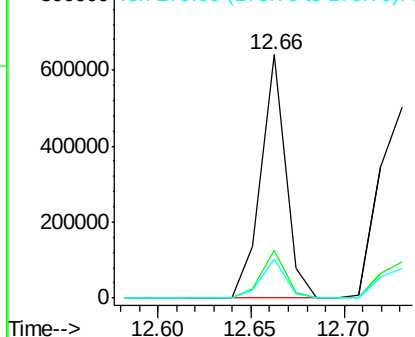


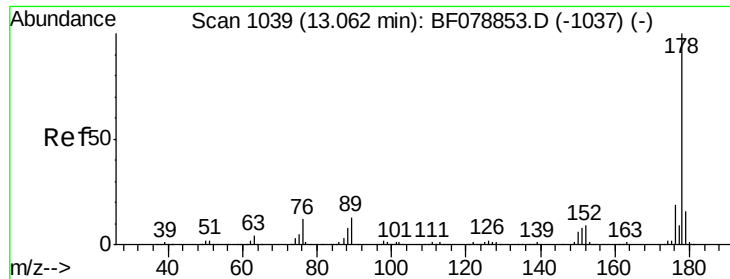
#70  
 Phenanthrene  
 Concen: 41.03 ng  
 RT: 12.66 min Scan# 1004  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 588084 |       |       |
| 176     | 19.8  | 15.9   | 23.9  |       |
| 179     | 16.0  | 12.2   | 18.4  |       |



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





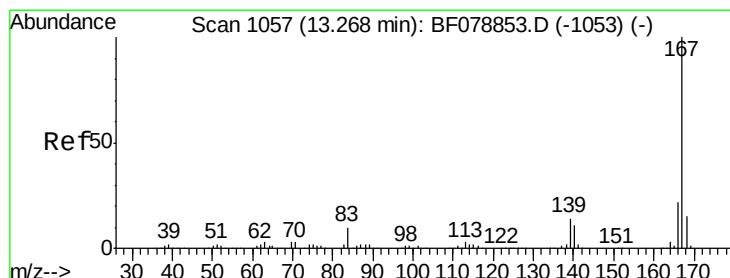
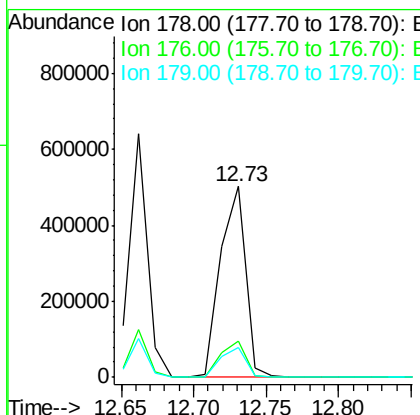
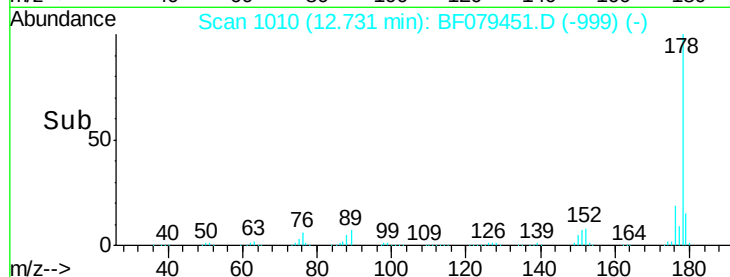
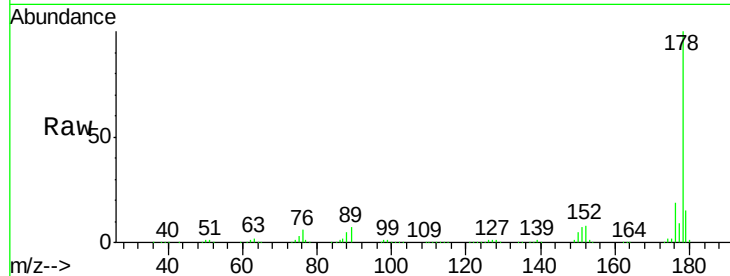
#71  
 Anthracene  
 Concen: 42.99 ng  
 RT: 12.73 min Scan# 1010  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83563BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.3  | 22.9  |
| 179     | 15.4  | 12.6  | 19.0  |

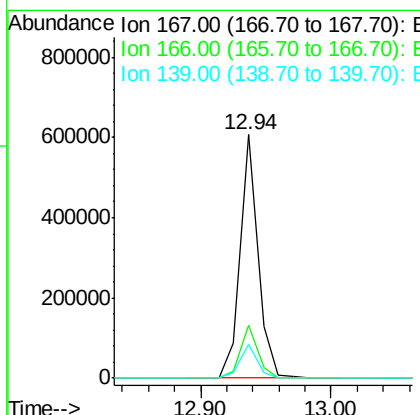
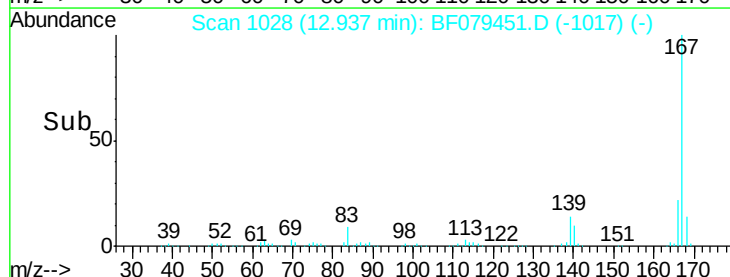
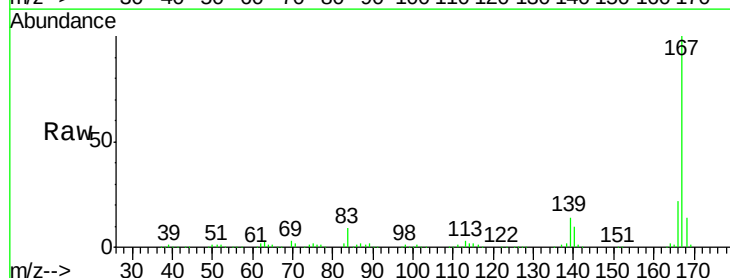
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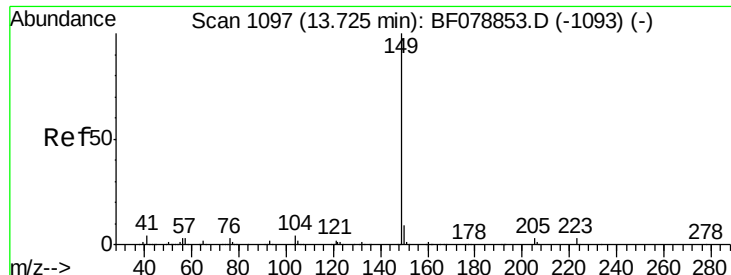


#72  
 Carbazole  
 Concen: 42.92 ng  
 RT: 12.94 min Scan# 1028  
 Delta R.T. 0.00 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.9  | 17.5  | 26.3  |
| 139     | 13.8  | 11.0  | 16.4  |







#73

Di-n-butylphthalate

Concen: 41.17 ng

RT: 13.39 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

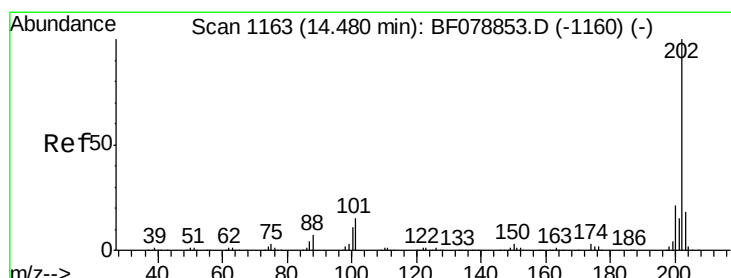
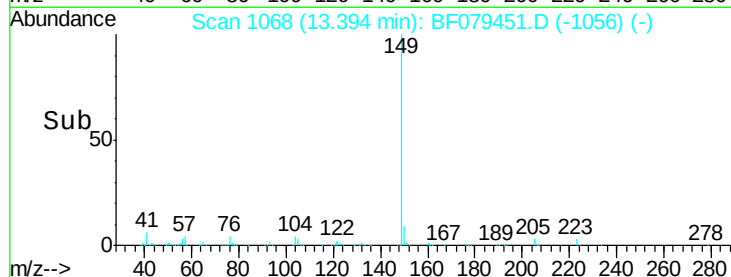
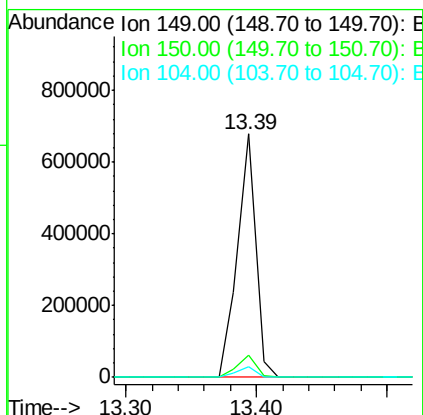
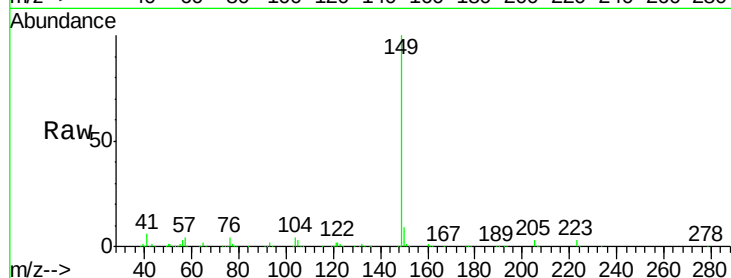
ClientSampleId :

PB83563BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 661768 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.2   | 7.0   | 10.4   |
| 104       | 4.2   | 3.3   | 4.9    |

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#74

Fluoranthene

Concen: 41.85 ng

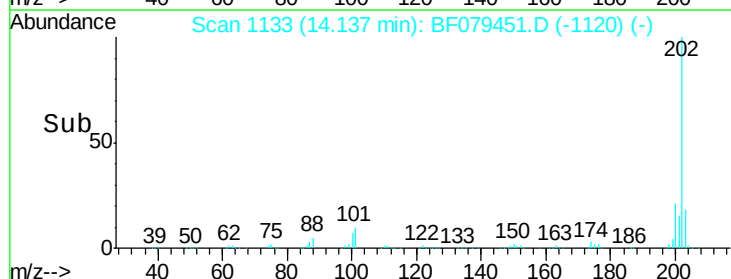
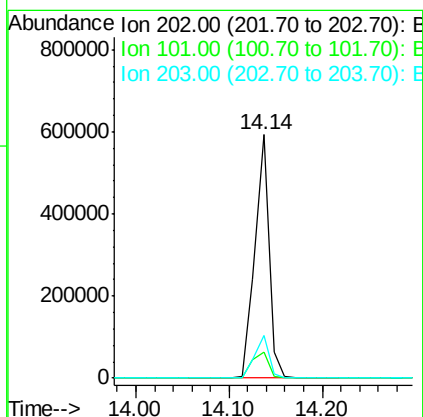
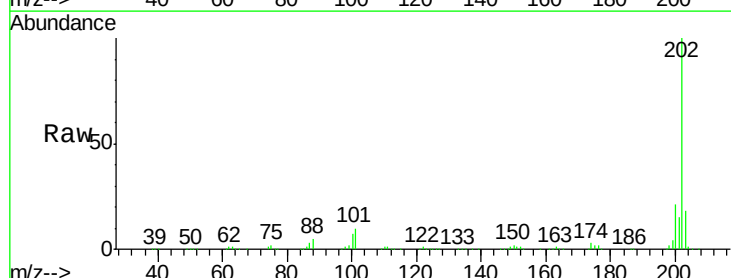
RT: 14.14 min Scan# 1133

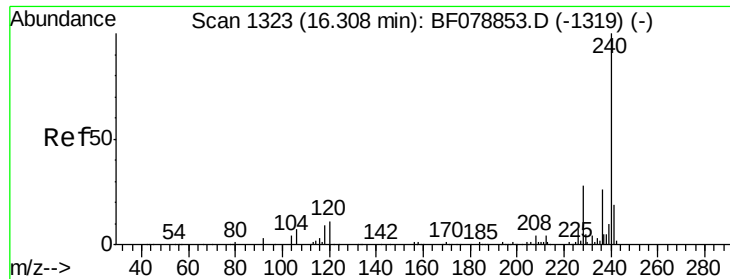
Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 625042 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.5  | 0.0   | 34.7   |
| 203       | 17.5  | 0.0   | 37.9   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.91 min Scan# 1288

Delta R.T. -0.06 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

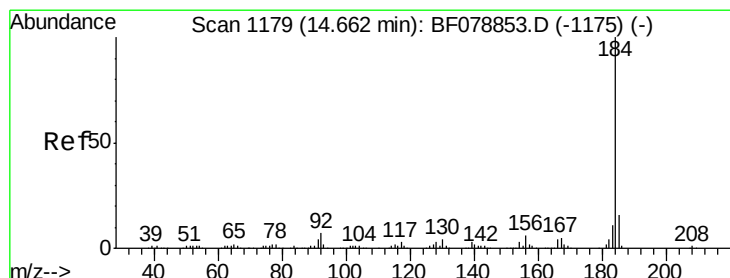
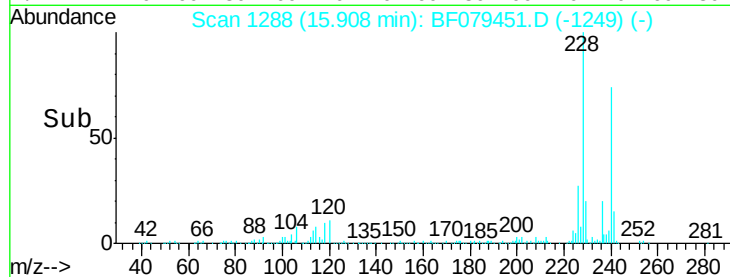
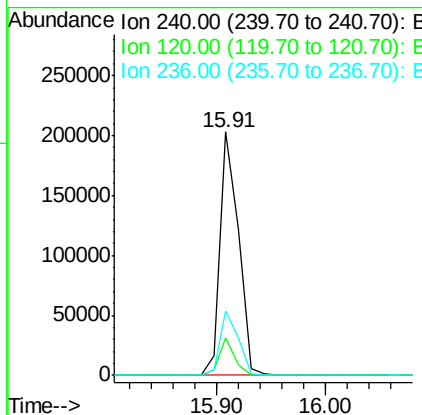
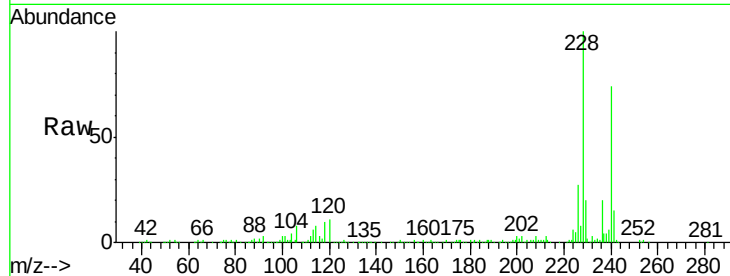
ClientSampled :

PB83563BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 240740 |       |       |
| 120     | 15.4  | 8.6    | 12.8# |       |
| 236     | 26.3  | 21.0   | 31.6  |       |

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#76

Benzidine

Concen: 45.12 ng

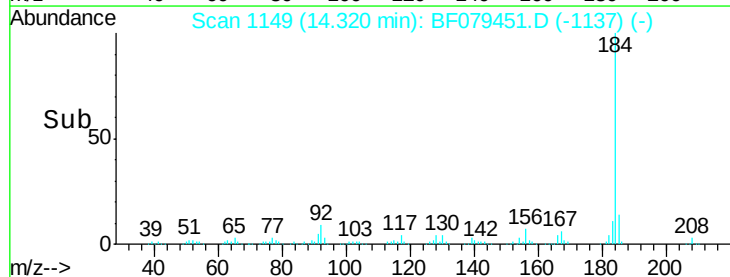
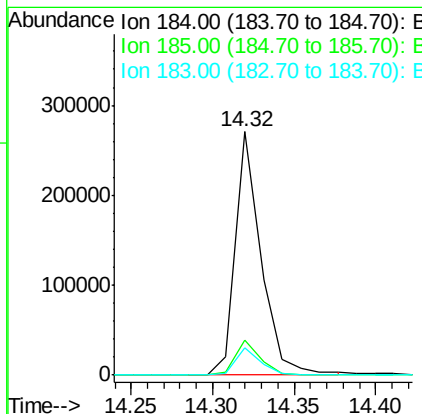
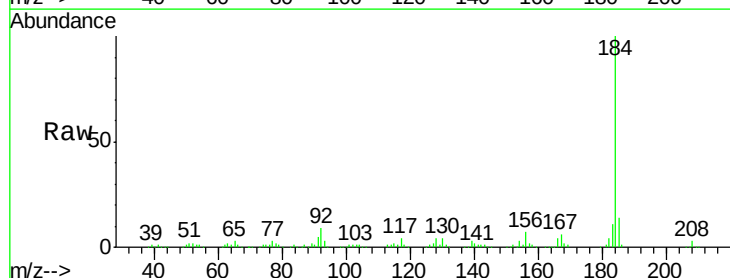
RT: 14.32 min Scan# 1149

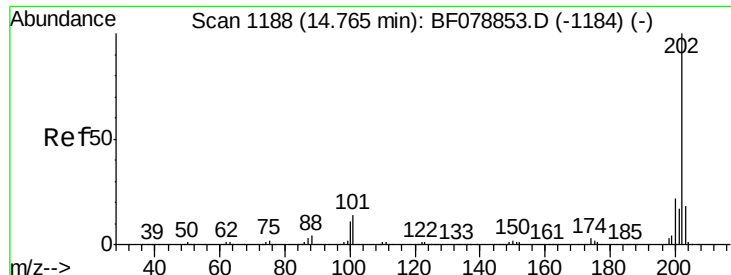
Delta R.T. -0.01 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 292721 |       |       |
| 185     | 14.3  | 12.8   | 19.2  |       |
| 183     | 11.2  | 9.0    | 13.4  |       |





#77

Pvrene

Concen: 46.02 ng

RT: 14.41 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

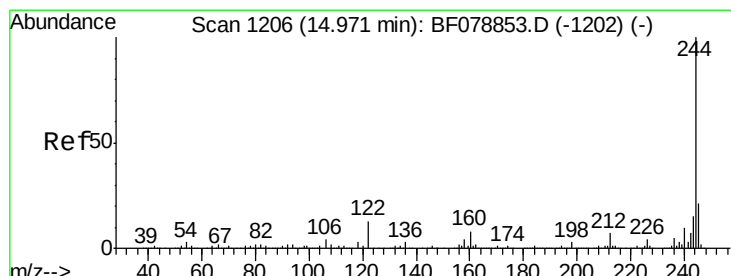
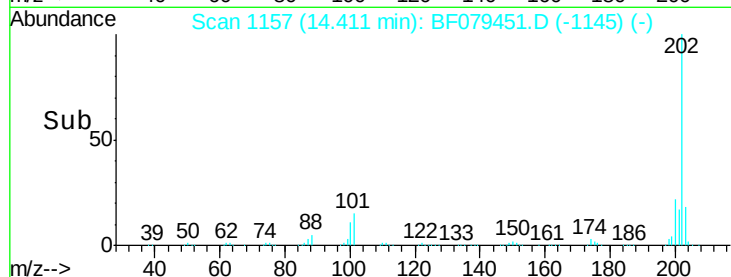
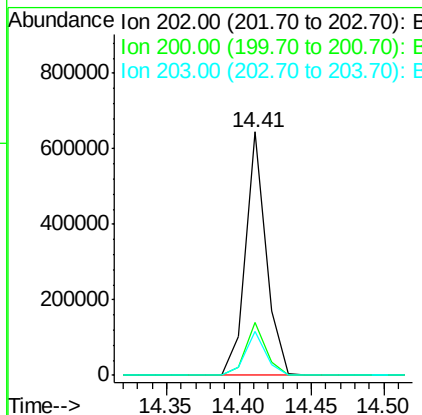
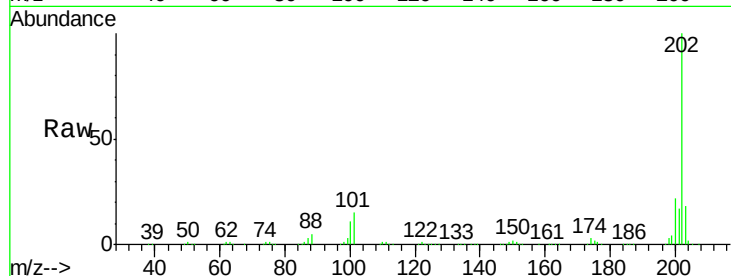
ClientSampleId :

PB83563BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 202  | Resp: | 638417 |
| Ion Ratio |      | Lower | Upper  |
| 202       | 100  |       |        |
| 200       | 22.0 | 17.5  | 26.3   |
| 203       | 18.2 | 14.7  | 22.1   |

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#78

Terphenyl-d14

Concen: 83.62 ng

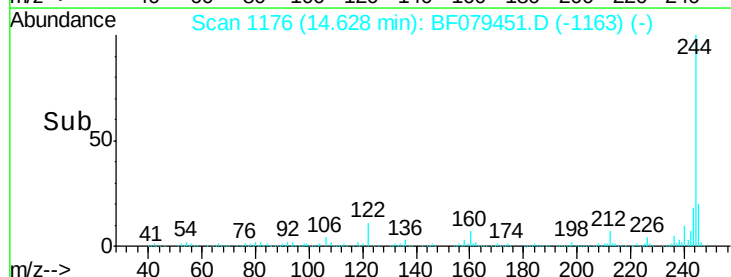
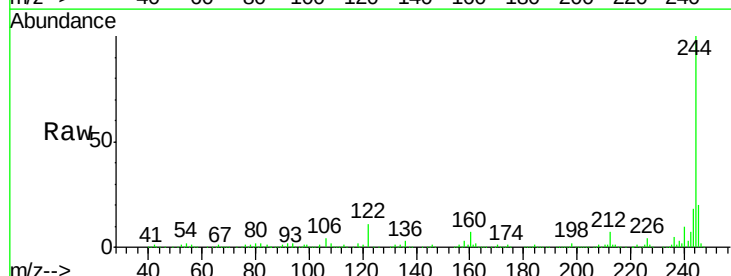
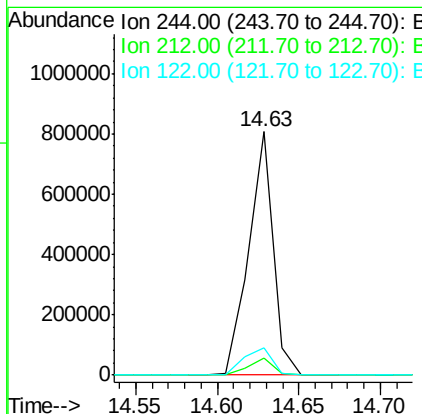
RT: 14.63 min Scan# 1176

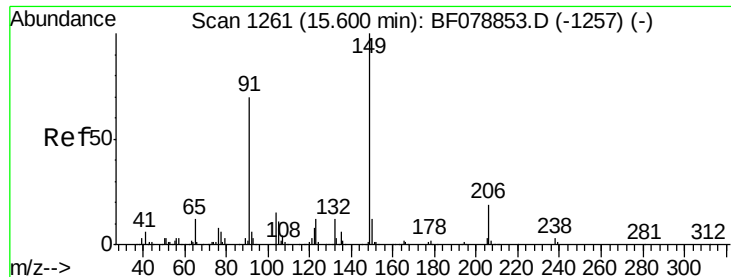
Delta R.T. 0.00 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 244  | Resp: | 840814 |
| Ion Ratio |      | Lower | Upper  |
| 244       | 100  |       |        |
| 212       | 6.9  | 5.6   | 8.4    |
| 122       | 11.3 | 10.5  | 15.7   |





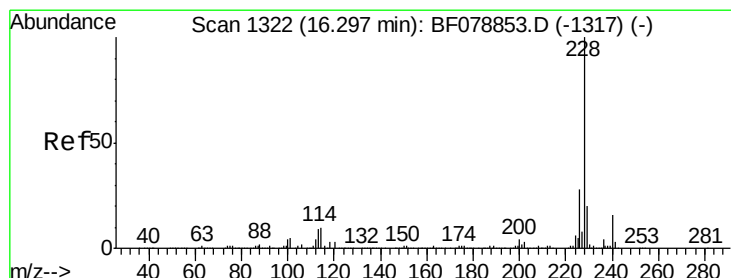
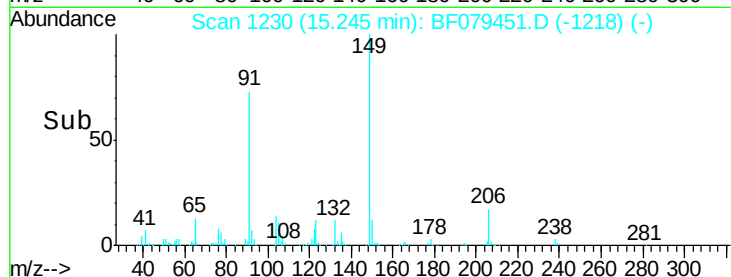
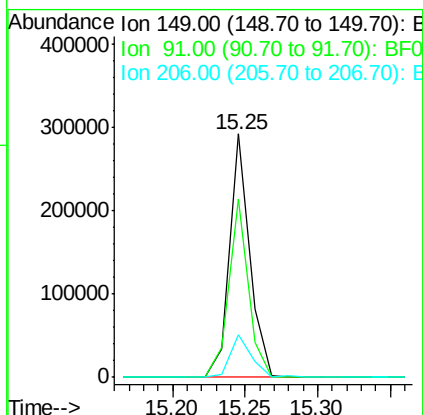
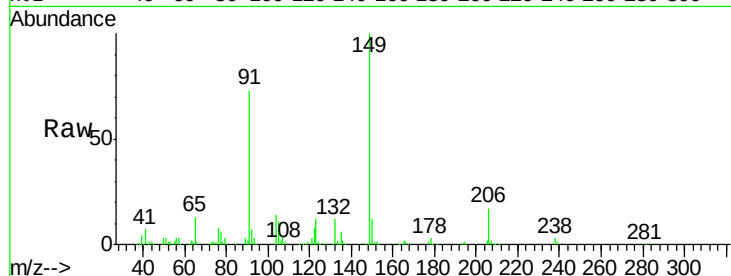
#79  
Butylbenzylphthalate  
Concen: 46.55 ng  
RT: 15.25 min Scan# 1230  
Delta R.T. -0.02 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 149     | 100  |       | 282280 |       |       |
| 91      | 73.4 | 56.2  | 84.2   |       |       |
| 206     | 17.3 | 15.2  | 22.8   |       |       |

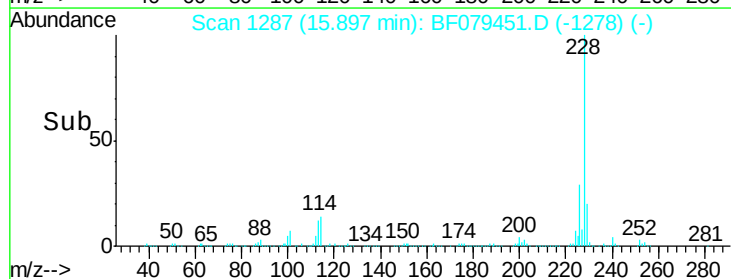
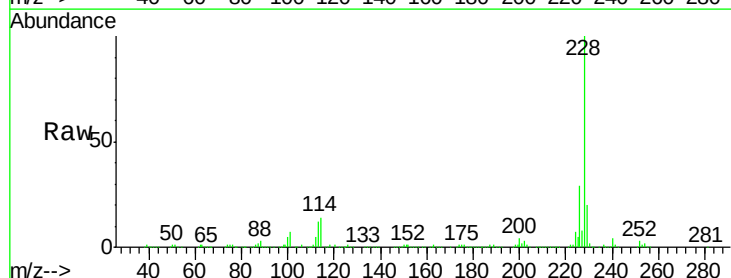
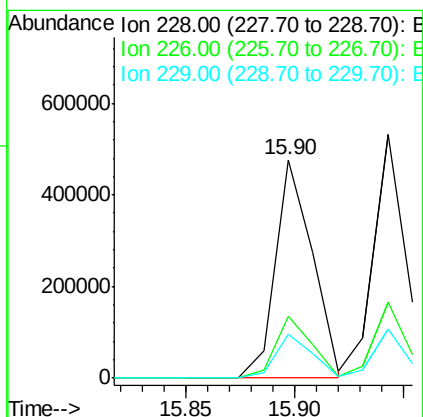
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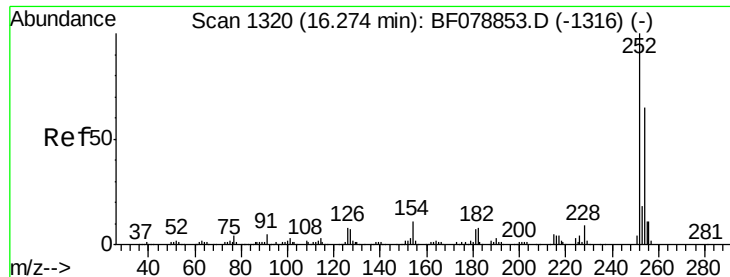
apatel  
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#80  
Benzo(a)anthracene  
Concen: 42.89 ng  
RT: 15.90 min Scan# 1287  
Delta R.T. -0.06 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 228     | 100  |       | 565474 |       |       |
| 226     | 28.5 | 22.3  | 33.5   |       |       |
| 229     | 20.2 | 16.1  | 24.1   |       |       |





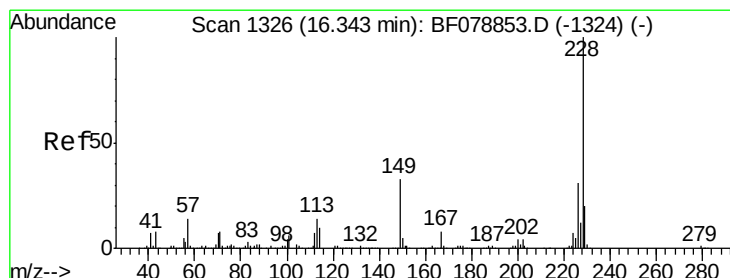
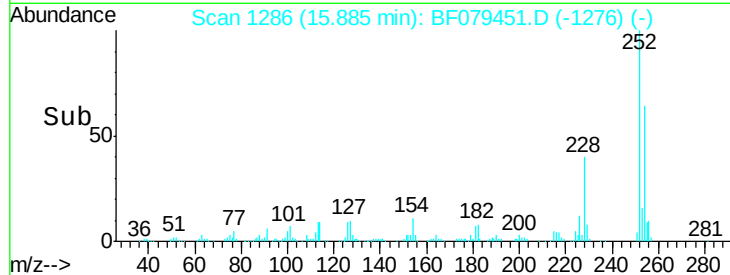
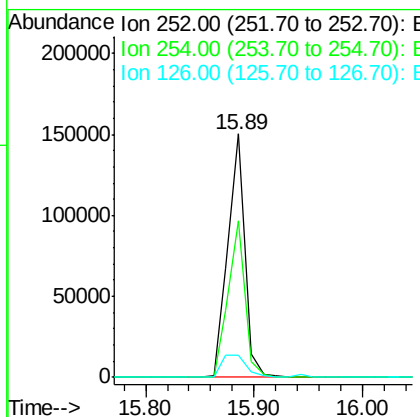
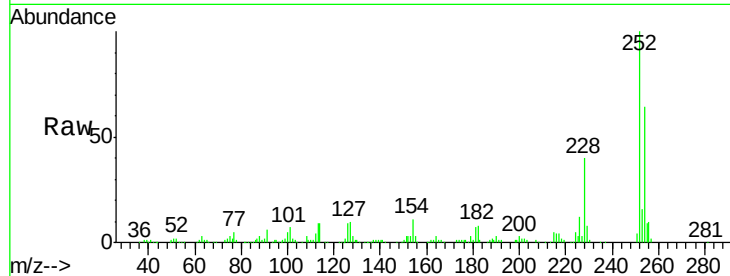
#81  
 3,3'-Dichlorobenzidine  
 Concen: 34.71 ng  
 RT: 15.89 min Scan# 1286  
 Delta R.T. -0.05 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB83563BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 64.4  | 52.2       | 78.2  |
| 126     | 9.4   | 6.6        | 9.8   |

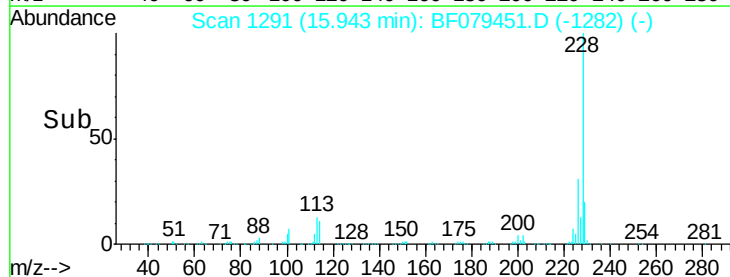
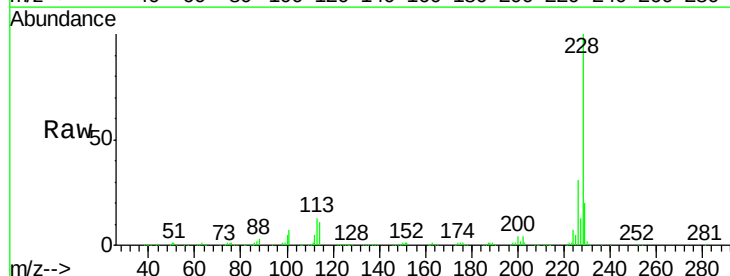
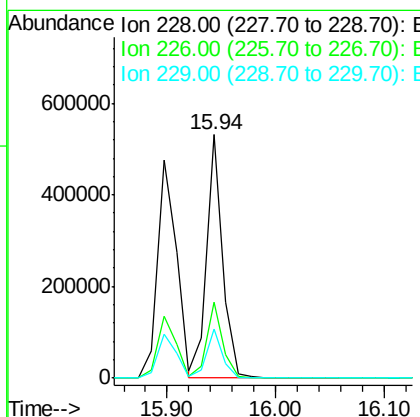
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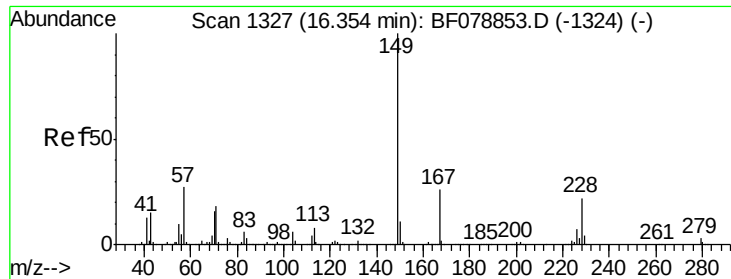
apatel  
 5/27/2015 8:16:53 AM



#82  
 Chrysene  
 Concen: 43.34 ng  
 RT: 15.94 min Scan# 1291  
 Delta R.T. -0.06 min  
 Lab File: BF079451.D  
 Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 31.3  | 24.8       | 37.2  |
| 229     | 20.1  | 16.1       | 24.1  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 44.00 ng

RT: 15.97 min Scan# 1293

Delta R.T. -0.07 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

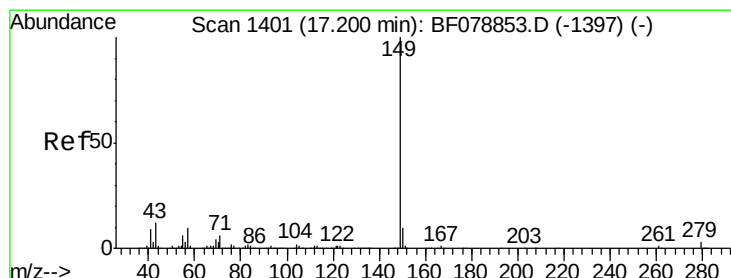
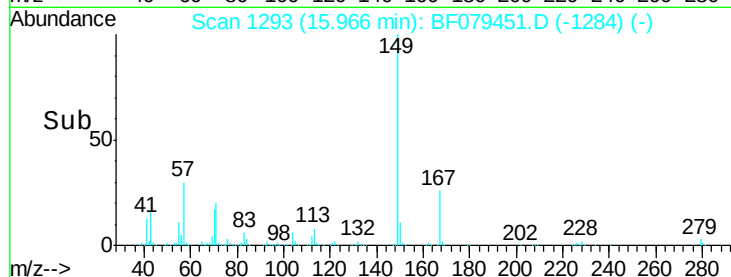
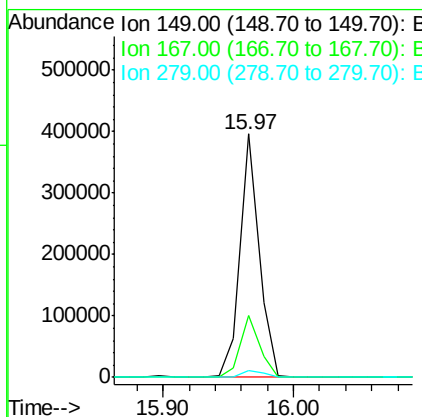
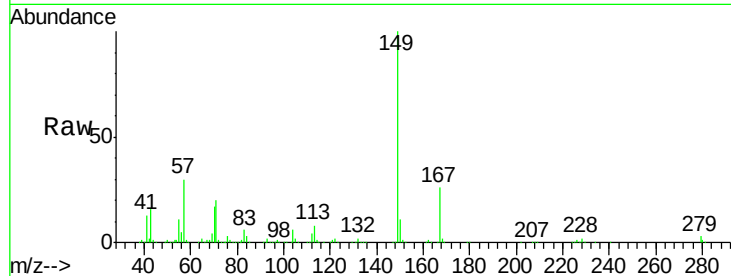
ClientSampleId :

PB83563BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 404163 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 25.6  | 21.2  | 31.8   |
| 279       | 2.6   | 2.6   | 4.0#   |

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#84

Di-n-octyl phthalate

Concen: 42.94 ng

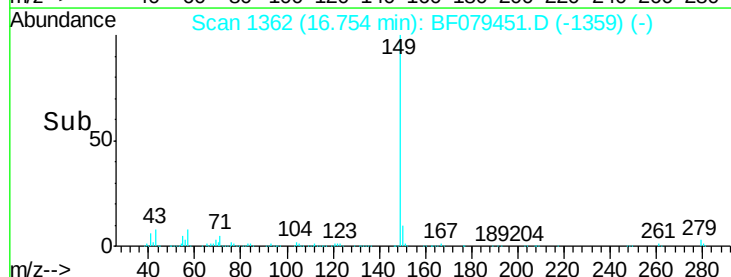
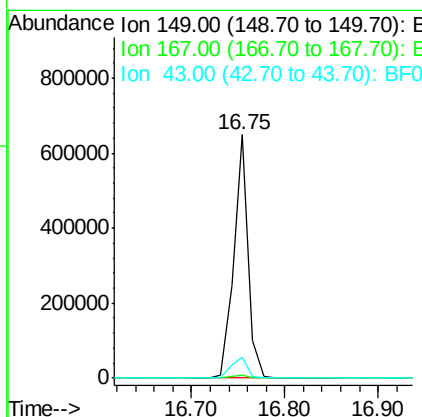
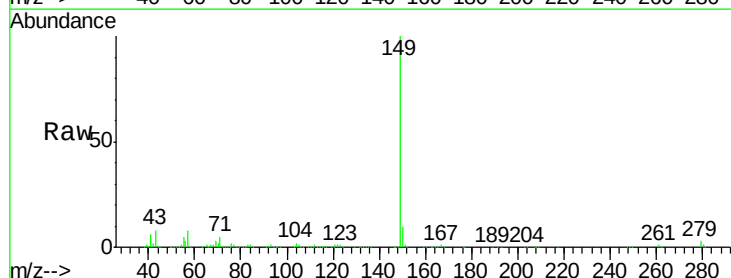
RT: 16.75 min Scan# 1362

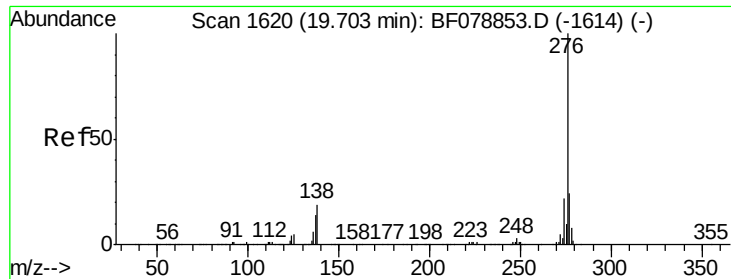
Delta R.T. -0.14 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 694660 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 1.5   | 1.2   | 1.8    |
| 43        | 9.6   | 9.0   | 13.6   |





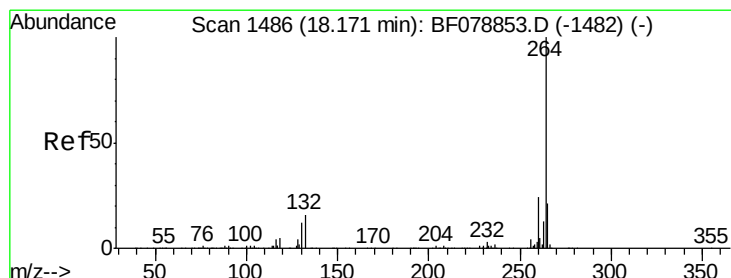
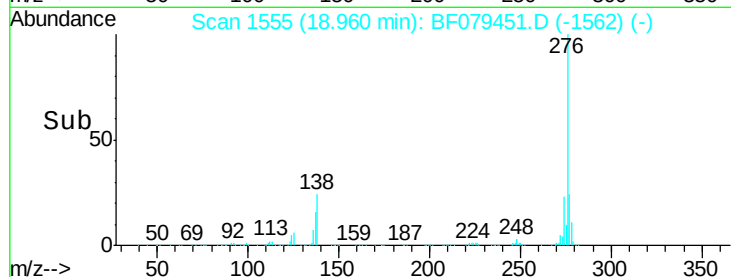
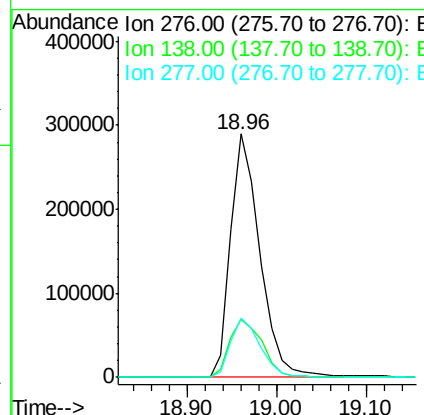
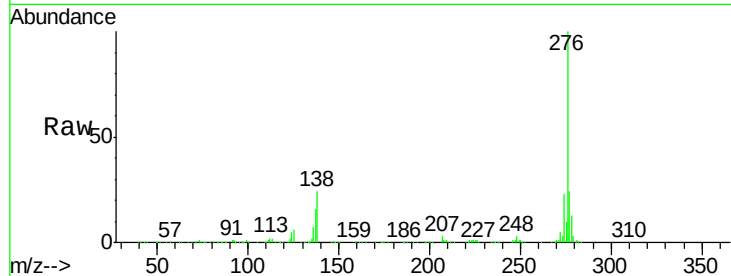
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 40.97 ng/ml  
RT: 18.96 min Scan# 1555  
Delta R.T. -0.29 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 138     | 0.0   | 21.1       | 31.7# |
| 277     | 0.0   | 19.9       | 29.9# |

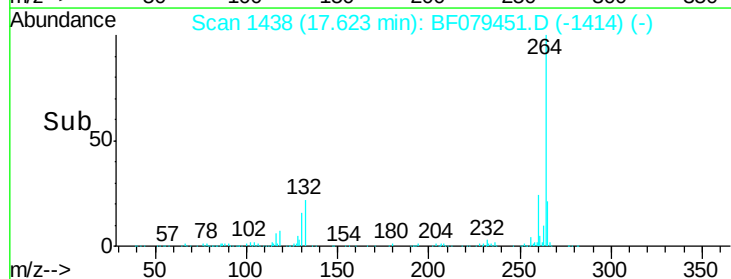
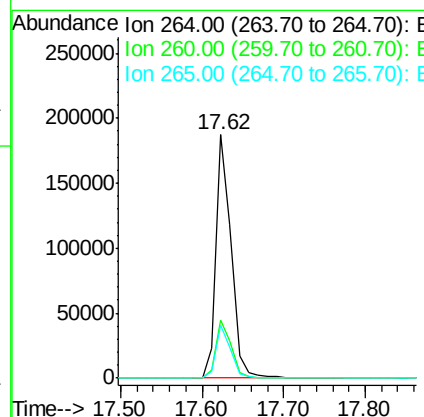
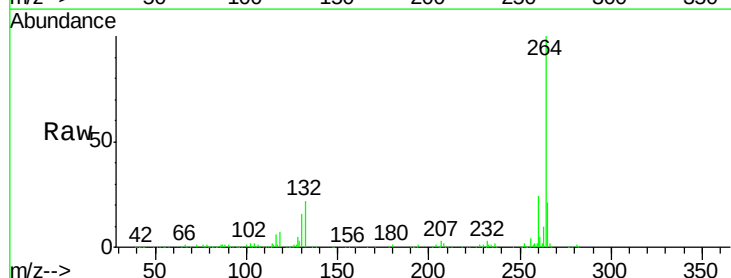
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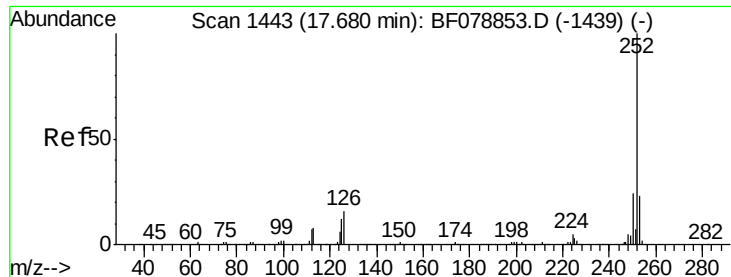
apatel  
5/27/2015 8:16:53 AM



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.62 min Scan# 1438  
Delta R.T. -0.23 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 264     | 100   |            |       |
| 260     | 23.7  | 19.2       | 28.8  |
| 265     | 21.5  | 17.2       | 25.8  |





#87

Benzo(b)fluoranthene

Concen: 42.02 ng

RT: 17.19 min Scan# 1400

Delta R.T. -0.17 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

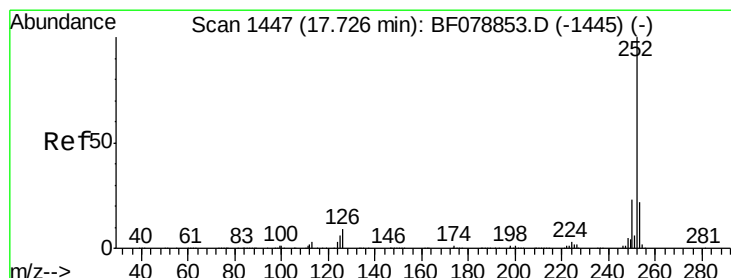
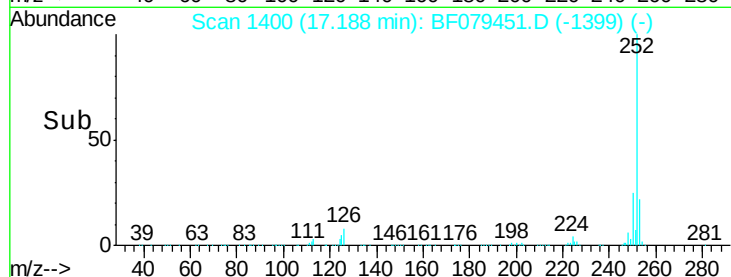
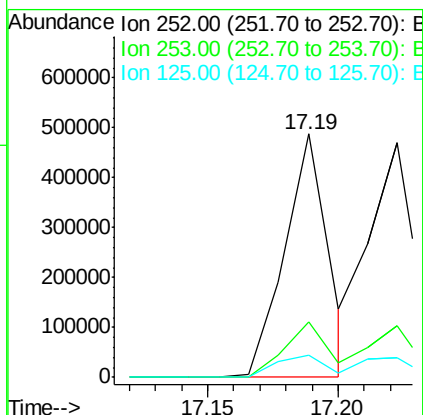
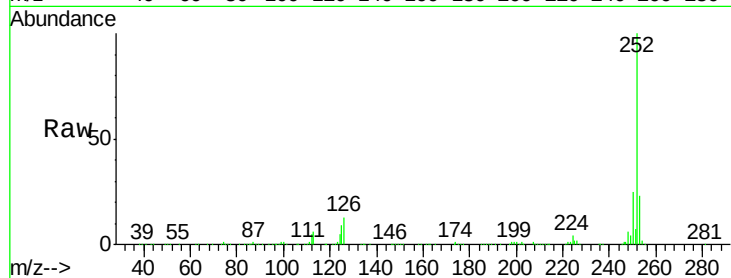
ClientSampleId :

PB83563BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.1  | 27.1  |
| 125     | 9.2   | 9.4   | 14.2  |

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#88

Benzo(k)fluoranthene

Concen: 45.06 ng m

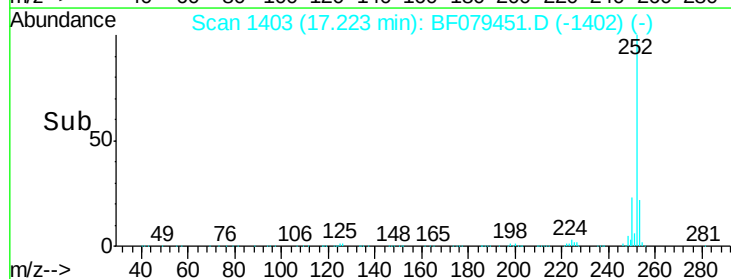
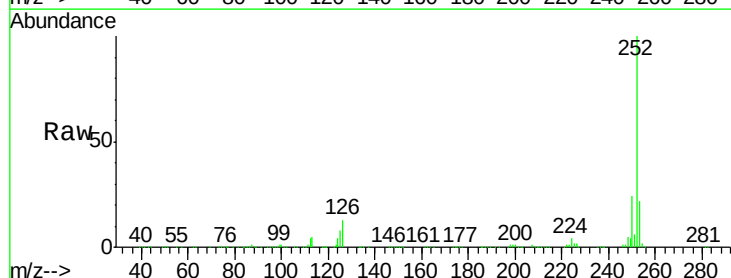
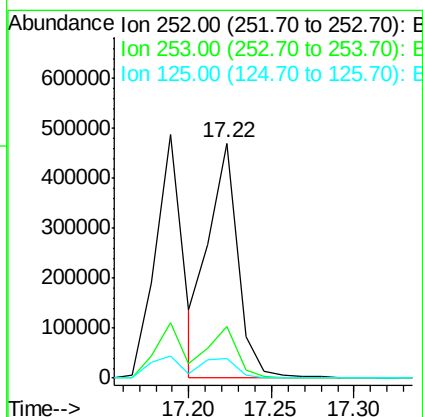
RT: 17.22 min Scan# 1403

Delta R.T. -0.17 min

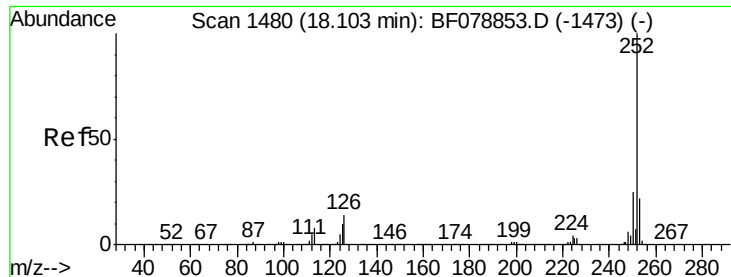
Lab File: BF079451.D

Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 17.4  | 26.0  |
| 125     | 8.2   | 6.1   | 9.1   |







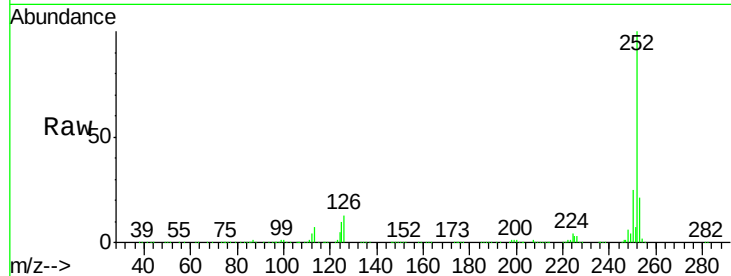
#89  
Benzo(a)pyrene  
Concen: 45.92 ng  
RT: 17.57 min Scan# 1433  
Delta R.T. -0.21 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

Instrument :  
BNA\_F  
ClientSampleId :  
PB83563BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 18.0  | 27.0  |
| 125     | 9.5   | 8.2   | 12.2  |

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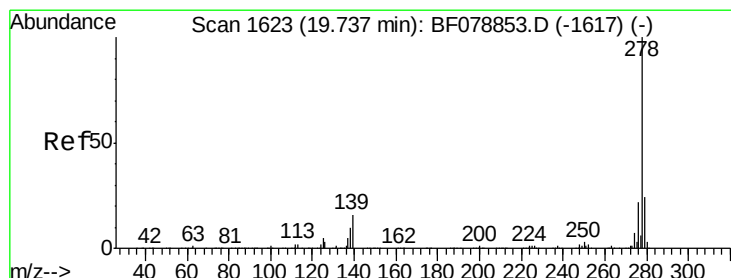
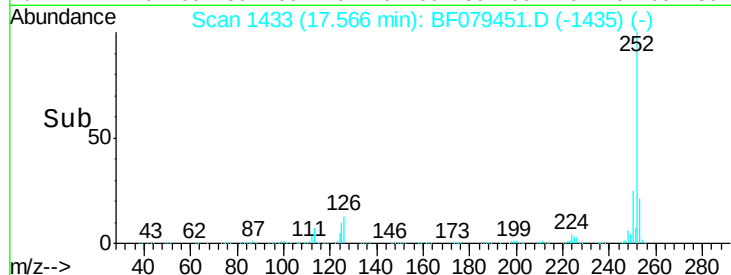
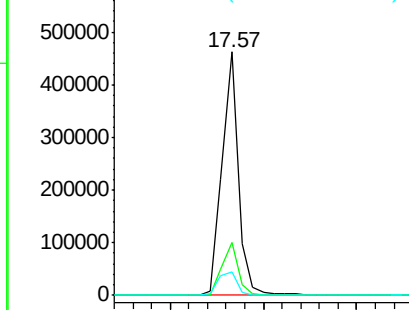


Abundance

Ion 252.00 (251.70 to 252.70): E

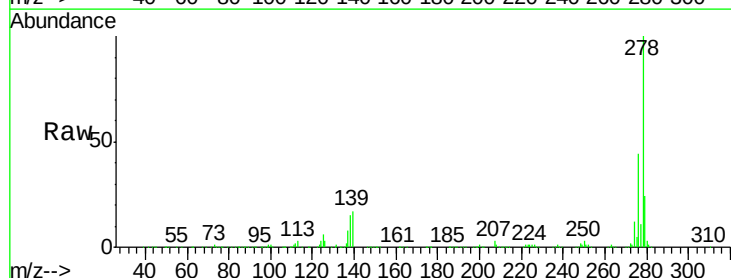
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90  
Dibenzo(a,h)anthracene  
Concen: 42.53 ng  
RT: 18.98 min Scan# 1557  
Delta R.T. -0.29 min  
Lab File: BF079451.D  
Acq: 22 May 2015 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.1  | 13.1  | 19.7  |
| 279     | 24.1  | 19.1  | 28.7  |

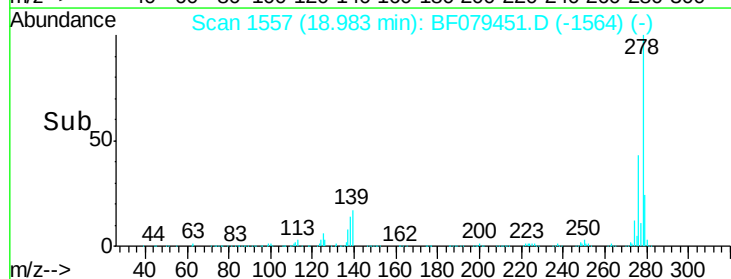
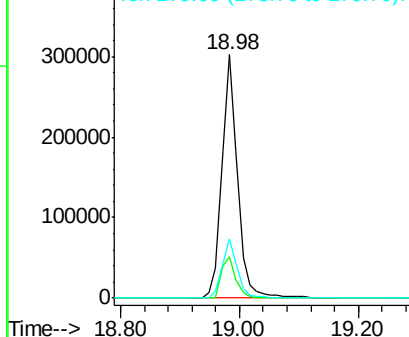


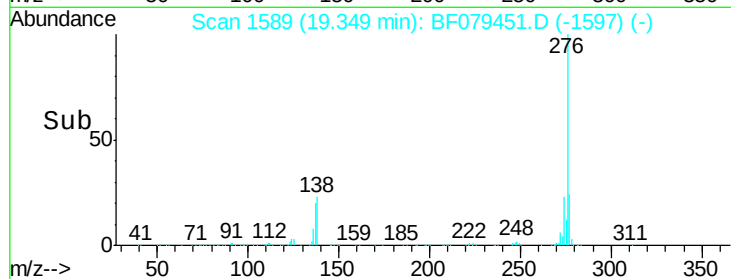
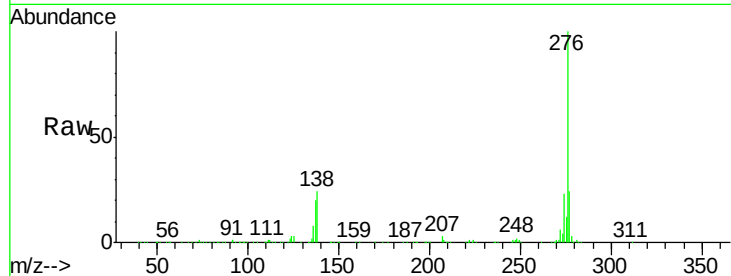
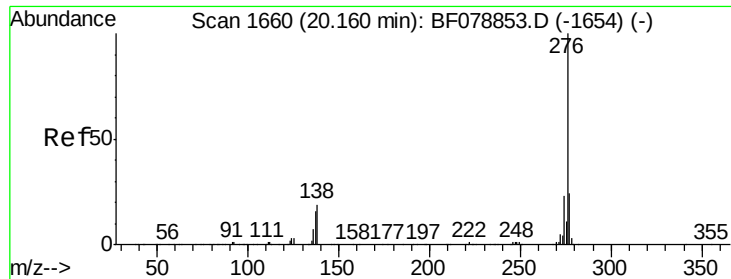
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 43.79 ng

RT: 19.35 min Scan# 1589

Delta R.T. -0.30 min

Lab File: BF079451.D

Acq: 22 May 2015 23:49

Instrument :

BNA\_F

ClientSampleId :

PB83563BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 276     | 100   |      |       |       |
| 277     | 23.6  | 18.8 | 28.2  |       |
| 138     | 23.5  | 15.2 | 22.8  |       |

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