

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\  
 Data File : BF075516.D  
 Acq On : 15 Nov 2014 1:45  
 Operator : TP / JJ  
 Sample : PB80204BS  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80204BS

Manual Integrations  
 APPROVED

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 11/17/2014 7:35:09 PM

Quant Time: Nov 16 04:21:13 2014  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111214.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 12 18:46:55 2014  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 46742    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 9.13  | 136  | 207729   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 11.32 | 164  | 102963   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 13.16 | 188  | 162147   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 16.46 | 240  | 164188   | 20.00 | ng    | -0.08    |
| 86) Perylene-d12          | 18.21 | 264  | 169087   | 20.00 | ng    | -0.23    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.84  | 112 | 414075  | 156.50 | ng | -0.02 |
| 7) Phenol-d6             | 7.10  | 99  | 521230  | 163.82 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 8.24  | 82  | 283667  | 100.12 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 12.30 | 330 | 119230  | 138.26 | ng | -0.02 |
| 44) 2-Fluorobiphenyl     | 10.48 | 172 | 549999  | 96.52  | ng | -0.01 |
| 78) Terphenyl-d14        | 15.16 | 244 | 556870m | 91.31  | ng | -0.03 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.48  | 88  | 47017   | 42.33  | ng | 95     |
| 3) Pyridine                    | 3.27  | 79  | 135124m | 45.27  | ng |        |
| 4) n-Nitrosodimethylamine      | 3.19  | 42  | 75985m  | 48.10  | ng |        |
| 6) Aniline                     | 7.13  | 93  | 131476  | 28.61  | ng | 98     |
| 8) 2-Chlorophenol              | 7.28  | 128 | 142183  | 46.43  | ng | 95     |
| 9) Benzaldehyde                | 7.00  | 77  | 4741    | 2.22   | ng | 92     |
| 10) Phenol                     | 7.11  | 94  | 189622  | 48.85  | ng | 87     |
| 11) bis(2-Chloroethyl)ether    | 7.24  | 93  | 145032  | 49.33  | ng | # 81   |
| 12) 1,3-Dichlorobenzene        | 7.48  | 146 | 151357  | 45.36  | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.57  | 146 | 149048  | 43.90  | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.76  | 146 | 142066  | 44.63  | ng | # 90   |
| 15) Benzyl Alcohol             | 7.73  | 79  | 108698  | 43.52  | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.91  | 45  | 284696  | 46.78  | ng | 94     |
| 17) 2-Methylphenol             | 7.86  | 107 | 117616  | 46.39  | ng | 97     |
| 18) Hexachloroethane           | 8.17  | 117 | 54330   | 46.67  | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 8.06  | 70  | 99906   | 46.08  | ng | 93     |
| 20) 3+4-Methylphenols          | 8.06  | 107 | 151440  | 45.62  | ng | 89     |
| 22) Acetophenone               | 8.06  | 105 | 207725  | 46.35  | ng | 96     |
| 24) Nitrobenzene               | 8.26  | 77  | 154991  | 47.20  | ng | 99     |
| 25) Isophorone                 | 8.56  | 82  | 279126  | 43.15  | ng | 99     |
| 26) 2-Nitrophenol              | 8.65  | 139 | 66695   | 44.58  | ng | 94     |
| 27) 2,4-Dimethylphenol         | 8.71  | 122 | 127955  | 44.13  | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 8.84  | 93  | 184060  | 46.69  | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.95  | 162 | 113237  | 44.57  | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 9.06  | 180 | 112745  | 42.27  | ng | 99     |
| 31) Naphthalene                | 9.16  | 128 | 426588  | 46.06  | ng | 100    |
| 32) Benzoic acid               | 8.80  | 122 | 92692m  | 52.90  | ng |        |
| 33) 4-Chloroaniline            | 9.22  | 127 | 92751   | 23.05  | ng | 99     |
| 34) Hexachlorobutadiene        | 9.32  | 225 | 58300   | 40.44  | ng | 96     |
| 35) Caprolactam                | 9.64  | 113 | 36730   | 43.63  | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 9.82  | 107 | 119031  | 42.70  | ng | 92     |
| 37) 2-Methylnaphthalene        | 10.01 | 142 | 277209  | 43.87  | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 10.22 | 216 | 101694  | 48.05  | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 10.21 | 237 | 131428  | 102.22 | ng | 95     |

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 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80204BS

Manual Integrations  
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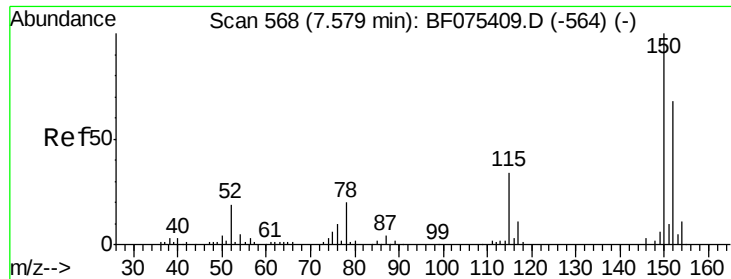
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 11/17/2014 7:35:09 PM

Quant Time: Nov 16 04:21:13 2014  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111214.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 12 18:46:55 2014  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 10.37 | 196  | 72730    | 43.21 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 10.41 | 196  | 76332    | 43.54 | nq    | 97       |
| 45) 1,1'-Biphenyl              | 10.60 | 154  | 321817   | 46.34 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 10.62 | 162  | 256878   | 47.30 | nq    | 98       |
| 47) 2-Nitroaniline             | 10.74 | 65   | 80406    | 49.21 | nq    | # 85     |
| 48) Acenaphthylene             | 11.13 | 152  | 432226   | 48.27 | nq    | 99       |
| 49) Dimethylphthalate          | 10.98 | 163  | 300647   | 42.72 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 11.05 | 165  | 64396    | 46.45 | nq    | # 80     |
| 51) Acenaphthene               | 11.35 | 154  | 275088   | 50.90 | nq    | 98       |
| 52) 3-Nitroaniline             | 11.26 | 138  | 55751    | 34.10 | nq    | # 90     |
| 53) 2,4-Dinitrophenol          | 11.38 | 184  | 59268    | 77.40 | nq    | 84       |
| 54) Dibenzofuran               | 11.57 | 168  | 359396   | 46.53 | nq    | 94       |
| 55) 4-Nitrophenol              | 11.45 | 139  | 121896   | 93.28 | nq    | 97       |
| 56) 2,4-Dinitrotoluene         | 11.56 | 165  | 85621    | 47.01 | nq    | # 90     |
| 57) Fluorene                   | 11.99 | 166  | 287706   | 46.06 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.72 | 232  | 62997    | 45.28 | nq    | # 94     |
| 59) Diethylphthalate           | 11.86 | 149  | 297681   | 40.76 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 12.00 | 204  | 122586   | 45.64 | nq    | 89       |
| 61) 4-Nitroaniline             | 12.01 | 138  | 76957    | 47.09 | nq    | # 81     |
| 62) Azobenzene                 | 12.20 | 77   | 292230   | 45.48 | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 12.05 | 198  | 36510    | 44.52 | nq    | # 43     |
| 65) n-Nitrosodiphenylamine     | 12.14 | 169  | 238642   | 46.53 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 12.61 | 248  | 72322    | 47.41 | nq    | # 87     |
| 67) Hexachlorobenzene          | 12.68 | 284  | 82704    | 47.74 | nq    | # 83     |
| 68) Atrazine                   | 12.81 | 200  | 73602    | 46.25 | nq    | 97       |
| 69) Pentachlorophenol          | 12.92 | 266  | 97156    | 89.35 | nq    | 97       |
| 70) Phenanthrene               | 13.19 | 178  | 433797   | 50.83 | nq    | 99       |
| 71) Anthracene                 | 13.26 | 178  | 440313   | 49.92 | nq    | 99       |
| 72) Carbazole                  | 13.45 | 167  | 412720   | 47.82 | nq    | 99       |
| 73) Di-n-butylphthalate        | 13.90 | 149  | 496421   | 41.64 | nq    | 100      |
| 74) Fluoranthene               | 14.67 | 202  | 448022   | 49.02 | nq    | 99       |
| 76) Benzidine                  | 14.84 | 184  | 205579m  | 39.38 | nq    |          |
| 77) Pyrene                     | 14.95 | 202  | 466534m  | 48.88 | nq    |          |
| 79) Butylbenzylphthalate       | 15.76 | 149  | 212611   | 39.66 | nq    | # 79     |
| 80) Benzo(a)anthracene         | 16.45 | 228  | 441445   | 51.18 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 16.41 | 252  | 80386    | 25.24 | nq    | # 95     |
| 82) Chrysene                   | 16.49 | 228  | 387114   | 51.89 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 16.48 | 149  | 317152   | 37.56 | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 17.27 | 149  | 558371m  | 37.56 | nq    |          |
| 85) Indeno(1,2,3-cd)pyrene     | 19.76 | 276  | 507122m  | 56.03 | nq    |          |
| 87) Benzo(b)fluoranthene       | 17.74 | 252  | 475777   | 52.63 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 17.77 | 252  | 376534m  | 46.41 | nq    |          |
| 89) Benzo(a)pyrene             | 18.14 | 252  | 420395   | 51.97 | nq    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 19.80 | 278  | 427216   | 50.57 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 20.23 | 276  | 451609   | 56.11 | nq    | 97       |

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





#1

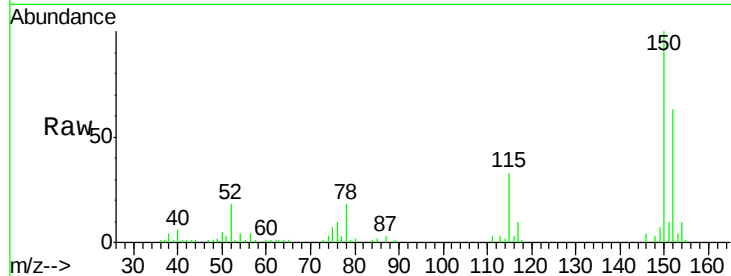
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.56 min Scan# 566  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

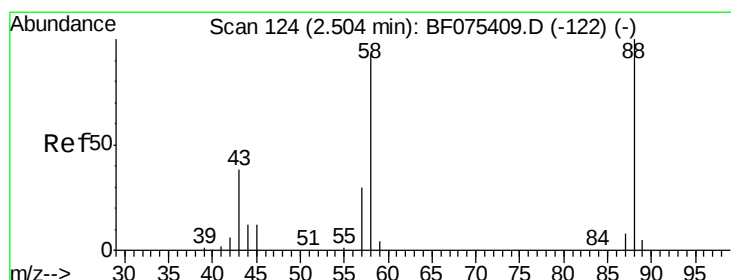
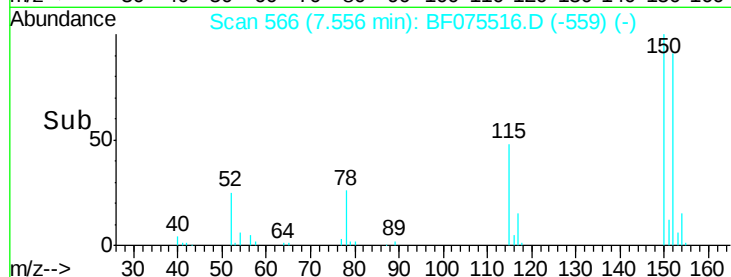
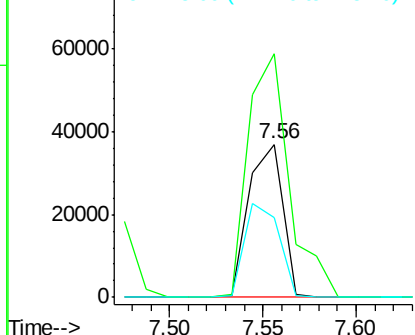
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.1 | 127.2 | 190.8 |
| 115     | 52.2  | 57.1  | 85.7  |

Manual Integrations  
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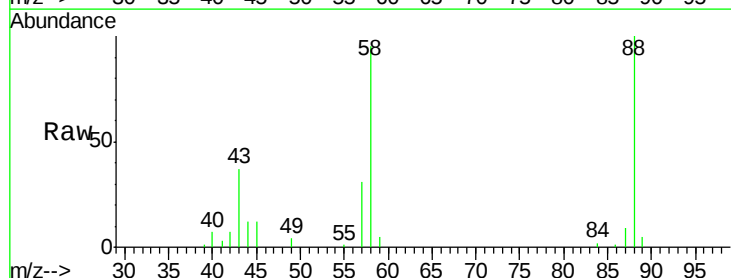
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



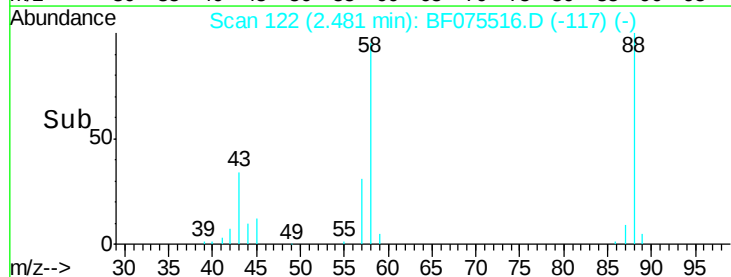
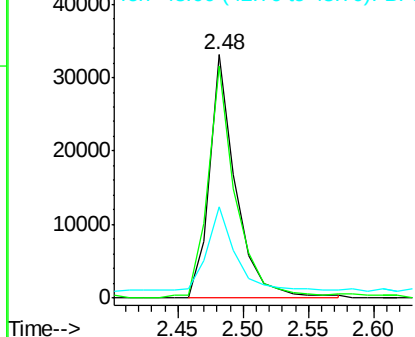
#2

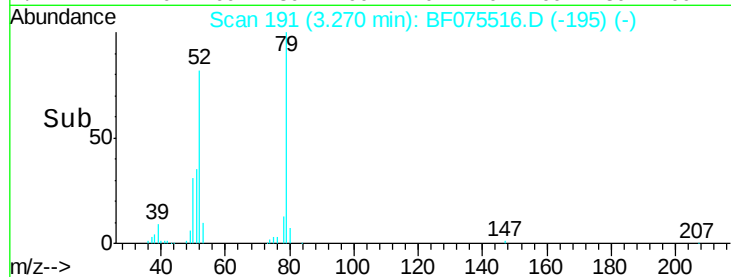
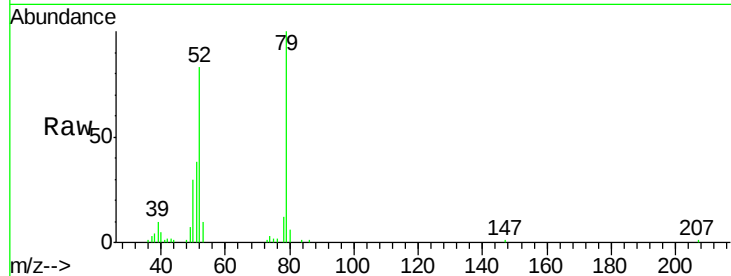
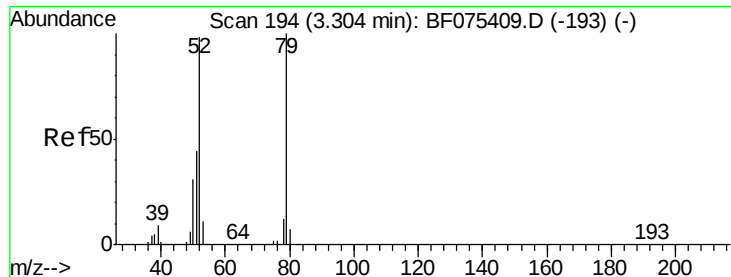
1,4-Dioxane  
Concen: 42.33 ng  
RT: 2.48 min Scan# 122  
Delta R.T. -0.05 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 94.7  | 73.5  | 110.3 |
| 43      | 34.2  | 31.9  | 47.9  |



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





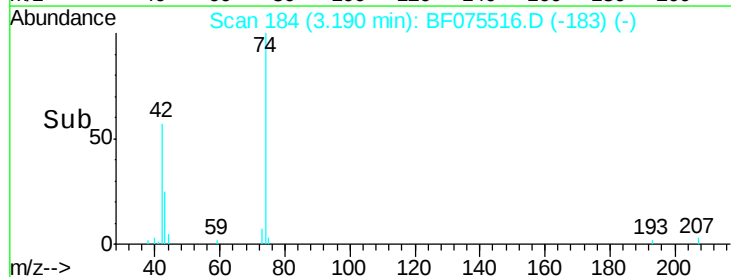
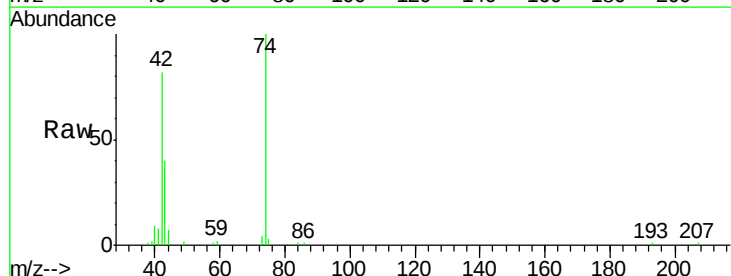
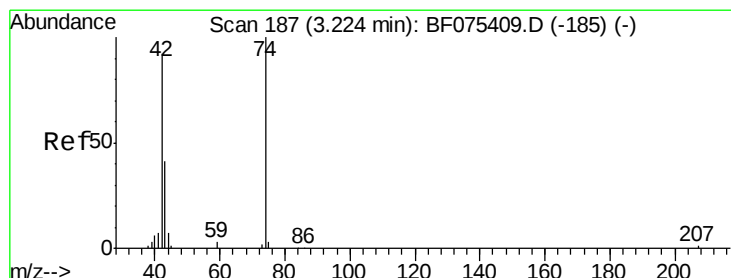
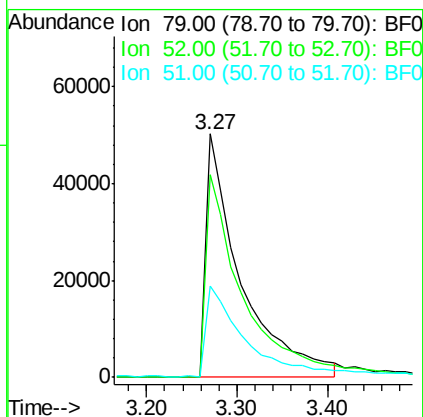
#3  
Pvridine  
Concen: 45.27 ng m  
RT: 3.27 min Scan# 191  
Delta R.T. -0.15 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 83.4  | 76.6  | 115.0 |
| 51      | 37.8  | 37.0  | 55.4  |

Instrument :  
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ClientSampleId :  
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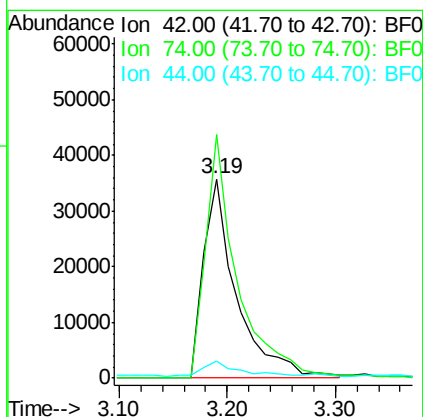
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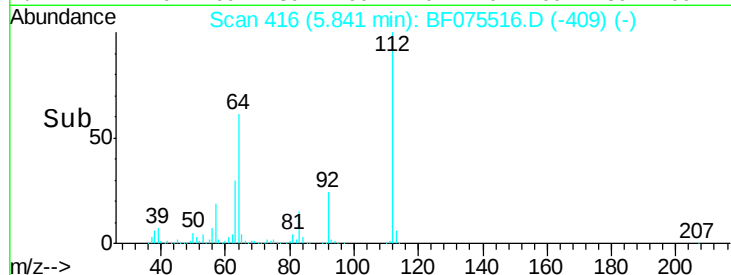
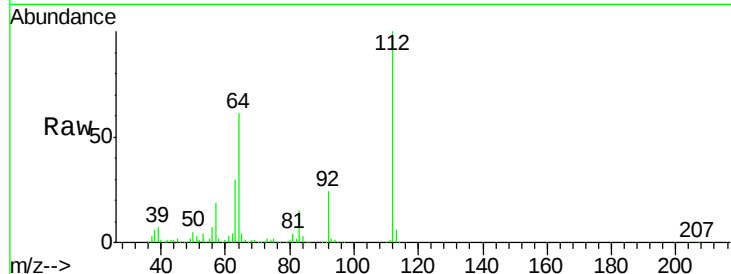
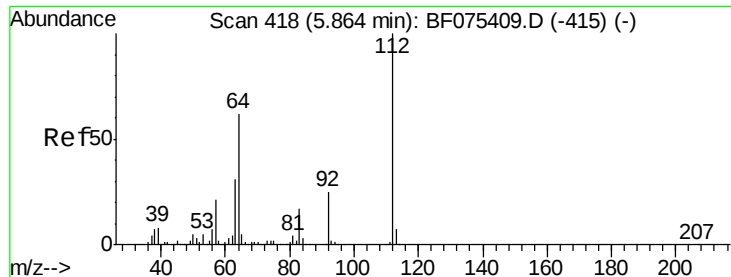
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#4  
n-Nitrosodimethylamine  
Concen: 48.10 ng m  
RT: 3.19 min Scan# 184  
Delta R.T. -0.09 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 122.3 | 82.4  | 123.6 |
| 44      | 8.8   | 8.2   | 12.4  |





#5

2-Fluorophenol

Concen: 156.50 ng

RT: 5.84 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 414075  | 112 | 100   |      |       |       |
|         | 64  | 60.8  |      | 45.8  | 68.6  |
|         | 63  | 29.6  |      | 22.7  | 34.1  |

Instrument :

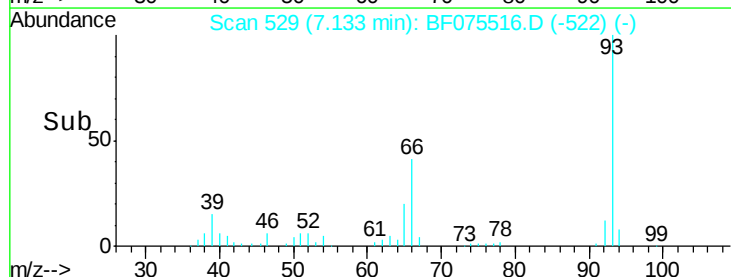
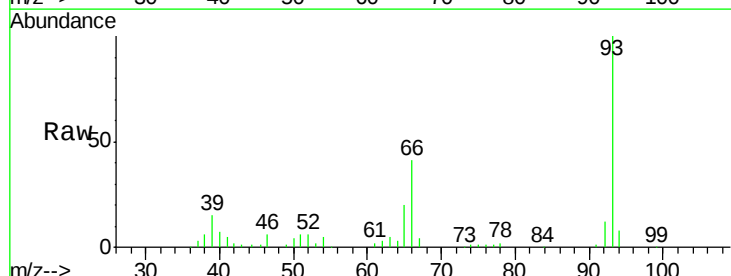
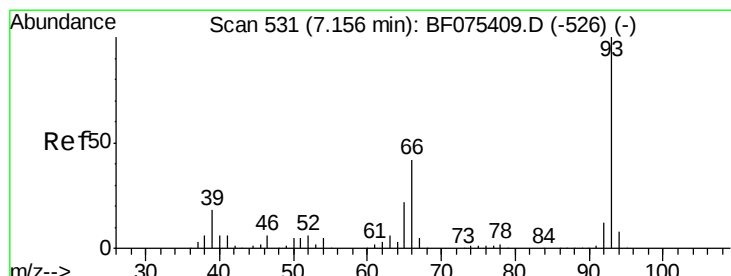
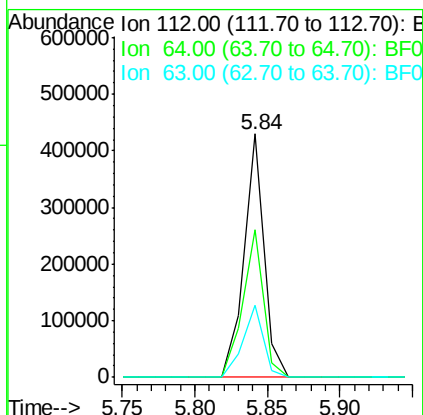
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ClientSampleId :

PB80204BS

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#6

Aniline

Concen: 28.61 ng

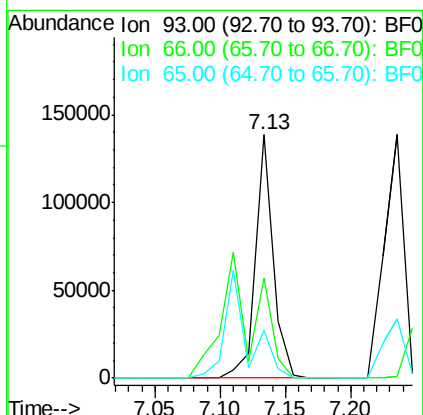
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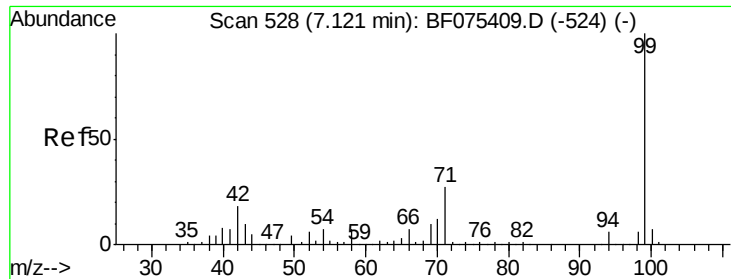
Delta R.T. -0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 131476  | 93  | 100   |      |       |       |
|         | 66  | 41.0  |      | 31.8  | 47.8  |
|         | 65  | 19.7  |      | 16.6  | 25.0  |





#7

Phenol-d6

Concen: 163.82 ng

RT: 7.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

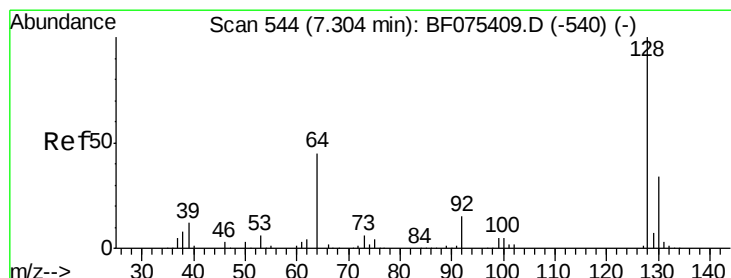
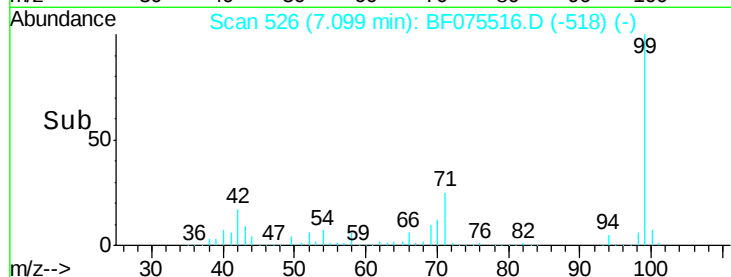
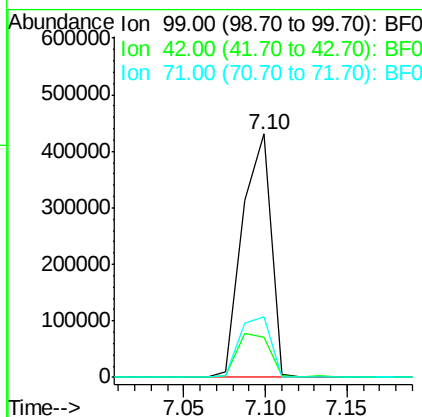
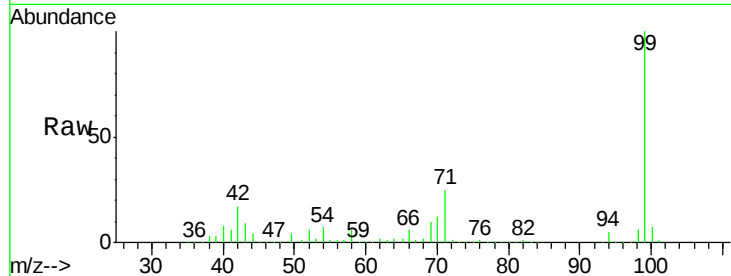
ClientSampleId :

PB80204BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 521230 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.5  | 19.8  | 29.6#  |
| 71        | 25.0  | 25.5  | 38.3#  |

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#8

2-Chlorophenol

Concen: 46.43 ng

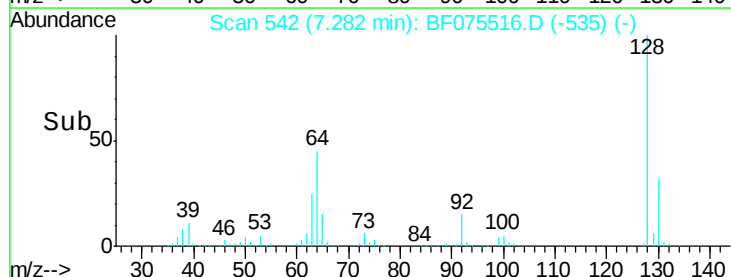
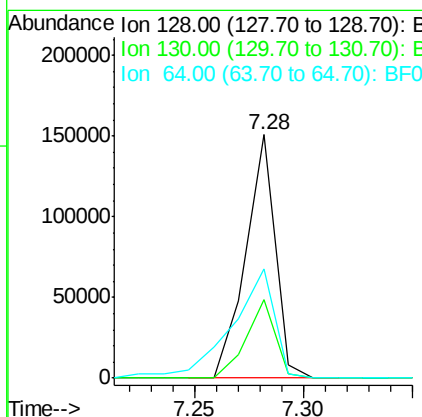
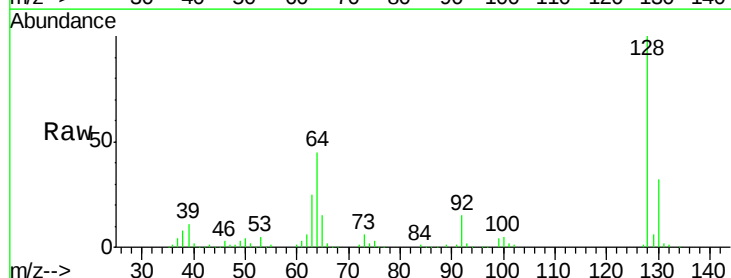
RT: 7.28 min Scan# 542

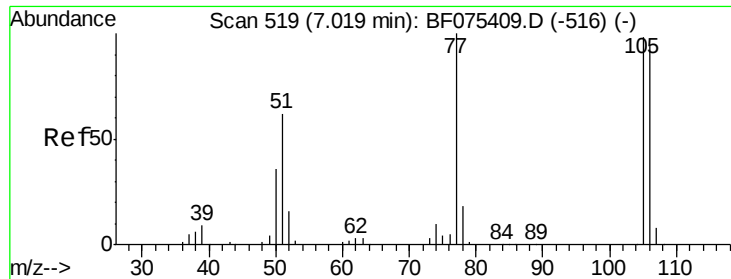
Delta R.T. -0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 142183 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 32.1  | 12.7  | 52.7   |
| 64        | 44.9  | 20.3  | 60.3   |





#9

Benzaldehyde

Concen: 2.22 ng

RT: 7.00 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

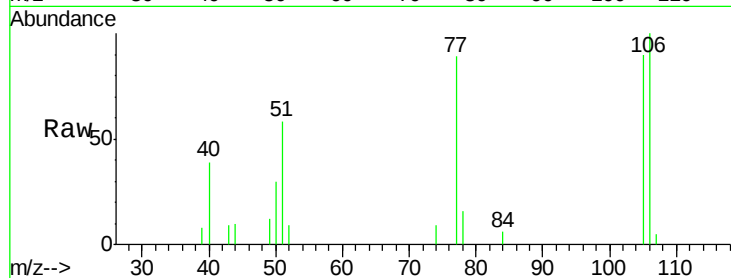
ClientSampleId :

PB80204BS

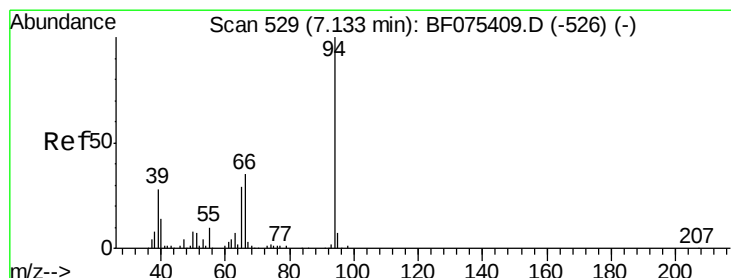
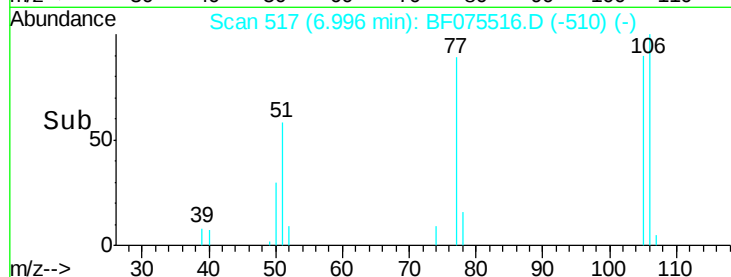
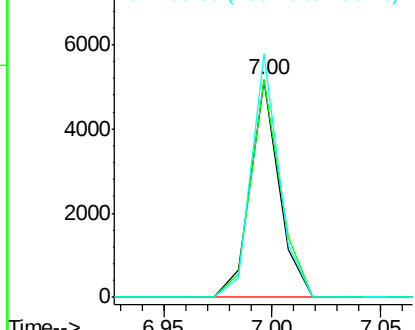
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 4741  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 100.8 | 81.6  | 121.6 |
| 106      | 112.3 | 77.5  | 117.5 |

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



#10

Phenol

Concen: 48.85 ng

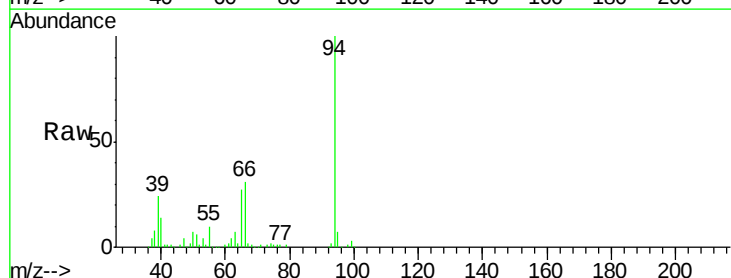
RT: 7.11 min Scan# 527

Delta R.T. -0.02 min

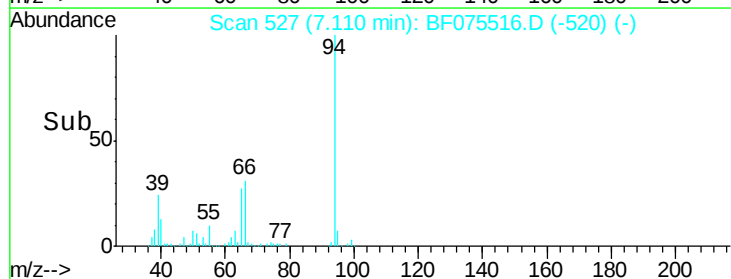
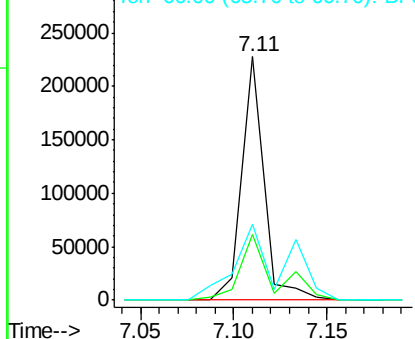
Lab File: BF075516.D

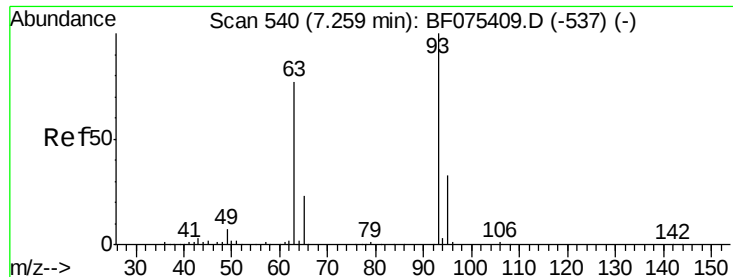
Acq: 15 Nov 2014 1:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 189622 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 27.1  | 13.1  | 53.1   |
| 66       | 31.4  | 20.8  | 60.8   |



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





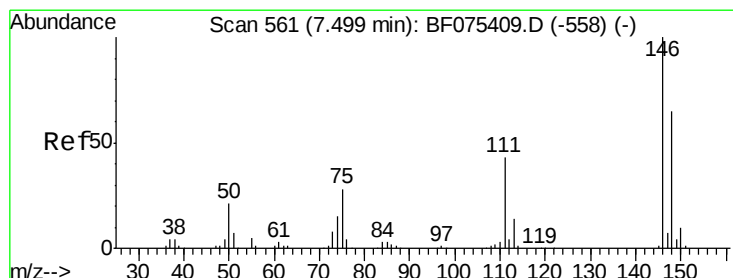
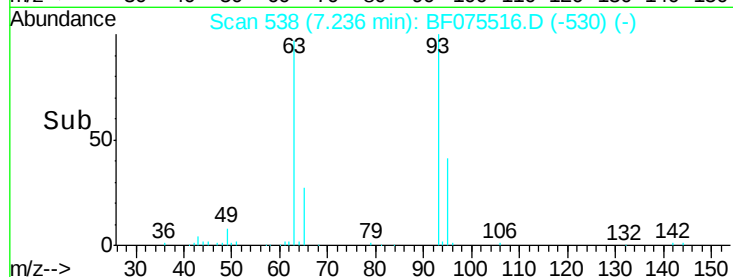
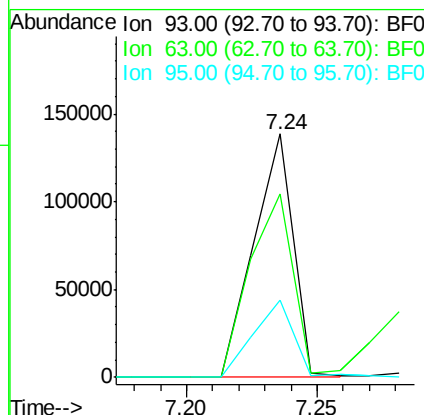
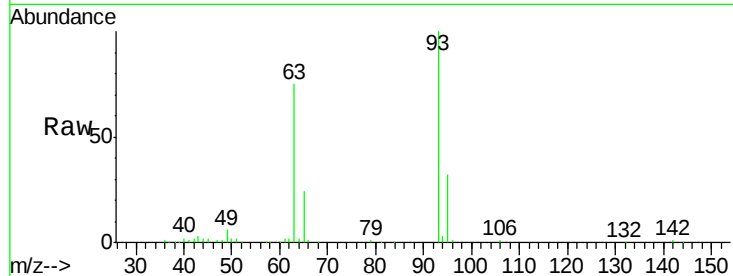
#11  
bis(2-Chloroethyl)ether  
Concen: 49.33 ng  
RT: 7.24 min Scan# 538  
Delta R.T. -0.01 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 93      | 100   |       |        |
| 63      | 75.2  | 79.8  | 119.8# |
| 95      | 31.9  | 11.2  | 51.2   |

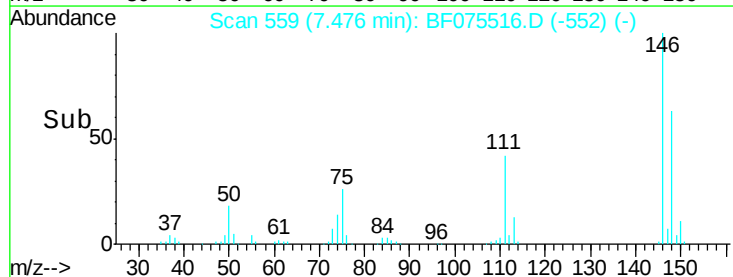
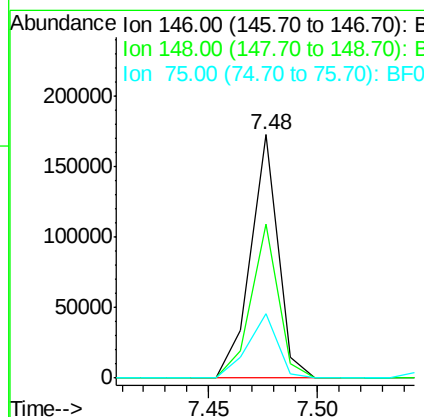
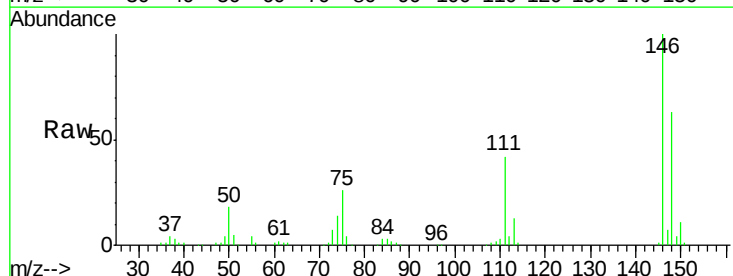
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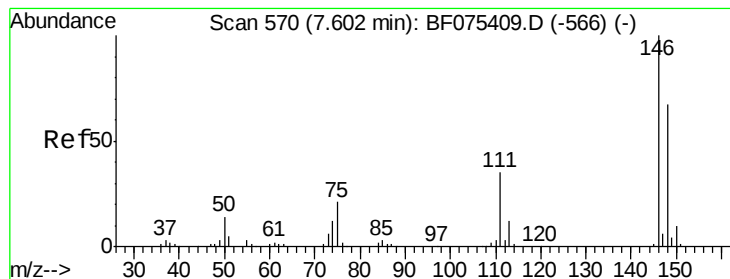
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 45.36 ng  
RT: 7.48 min Scan# 559  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.5  | 53.1  | 79.7  |
| 75      | 26.3  | 21.5  | 32.3  |





#13

1,4-Dichlorobenzene

Concen: 43.90 ng

RT: 7.57 min Scan# 567

Delta R.T. -0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

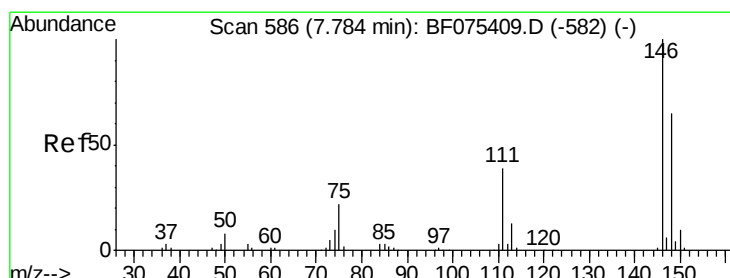
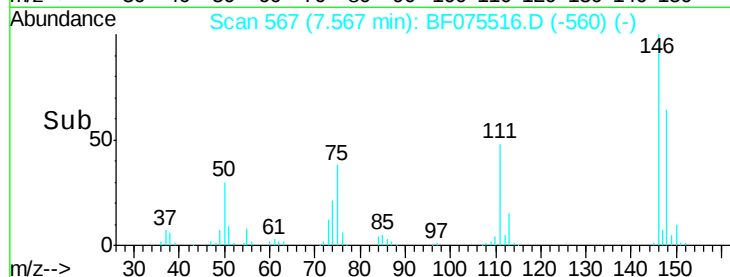
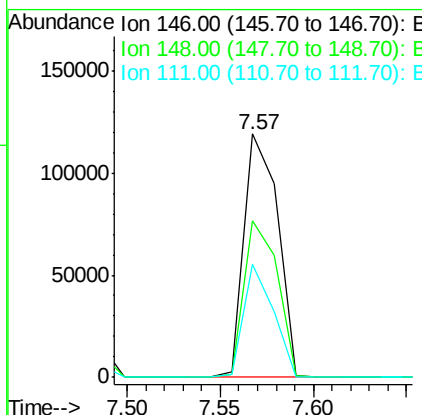
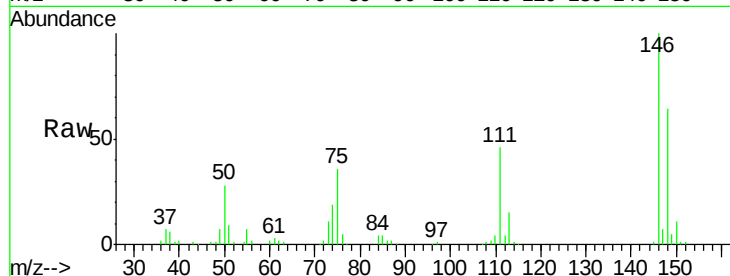
ClientSampleId :

PB80204BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 149048 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.3  | 49.9  | 74.9   |
| 111       | 46.4  | 35.8  | 53.6   |

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#14

1,2-Dichlorobenzene

Concen: 44.63 ng

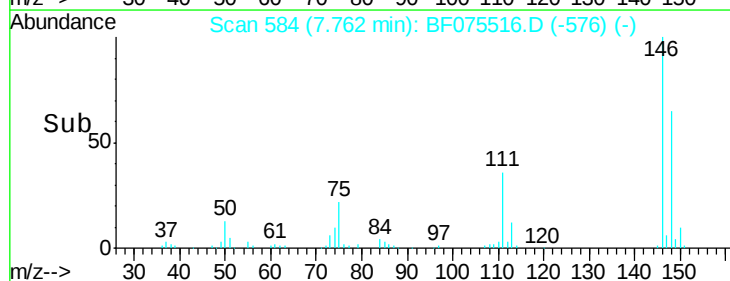
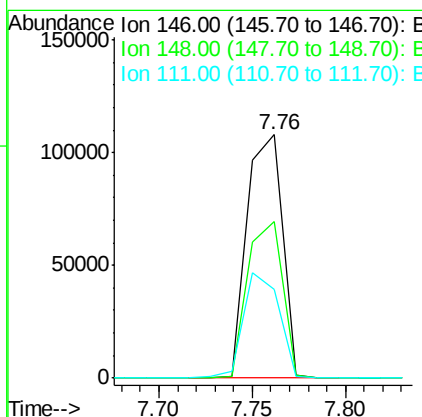
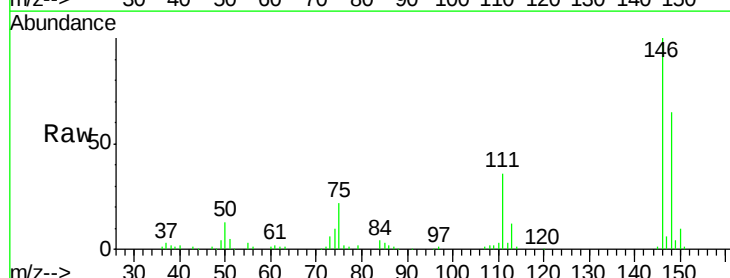
RT: 7.76 min Scan# 584

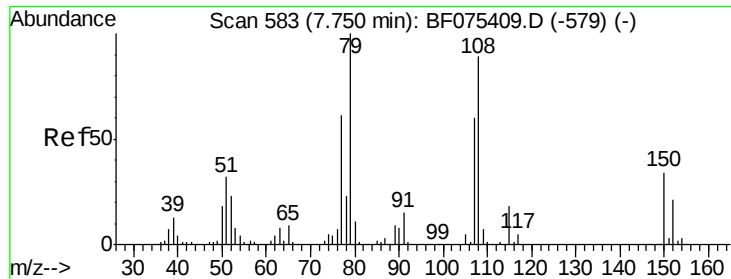
Delta R.T. -0.01 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 142066 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.6  | 50.7  | 76.1   |
| 111       | 36.3  | 39.9  | 59.9#  |





#15

Benzyl Alcohol

Concen: 43.52 ng

RT: 7.73 min Scan# 581

Delta R.T. -0.01 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

ClientSampleId :

PB80204BS

Tot Ion: 79 Resp: 108698

Ion Ratio Lower Upper

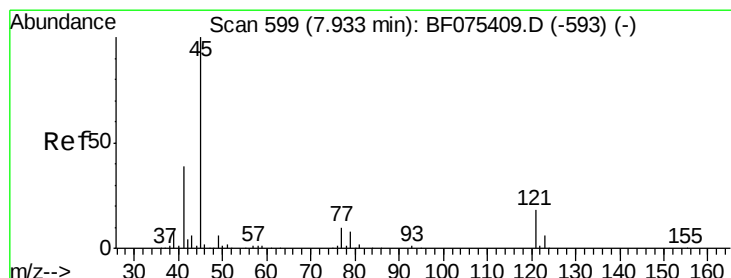
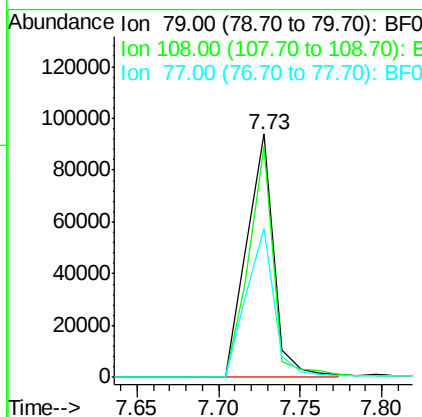
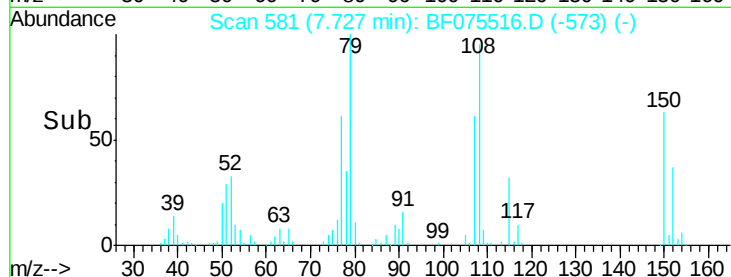
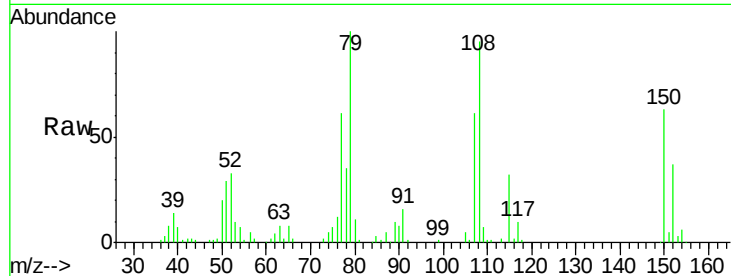
79 100

108 94.7 75.5 113.3

77 61.1 52.1 78.1

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#16

2,2'-oxybis(1-chloropropane)

Concen: 46.78 ng

RT: 7.91 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

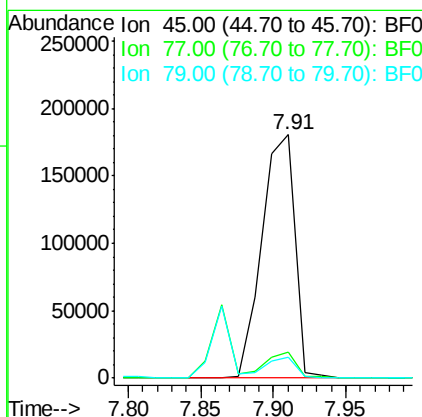
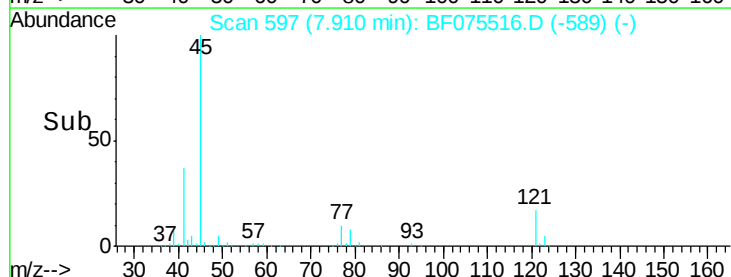
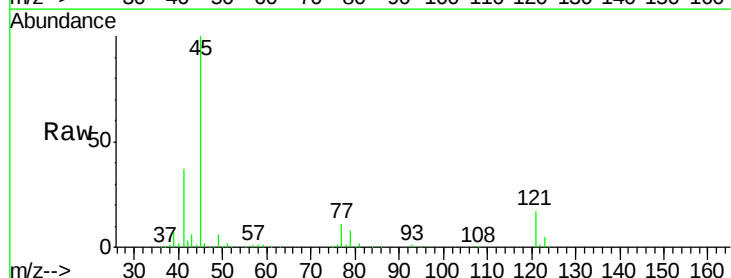
Tgt Ion: 45 Resp: 284696

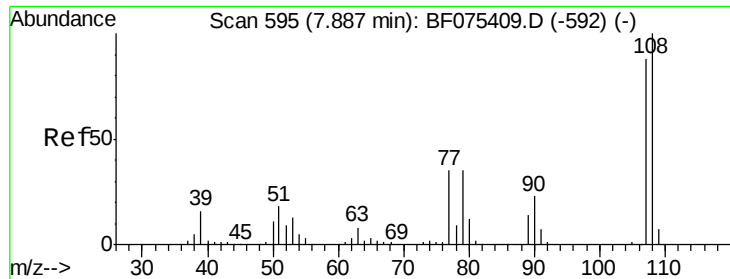
Ion Ratio Lower Upper

45 100

77 10.8 0.0 28.6

79 8.5 0.0 26.5





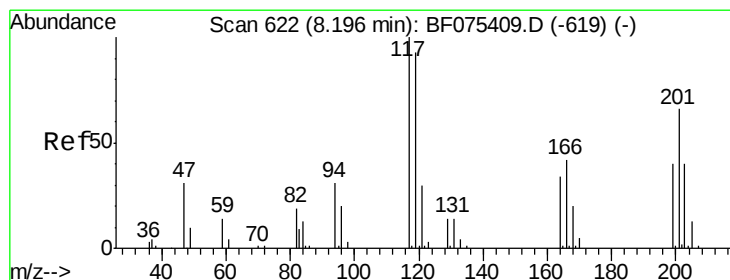
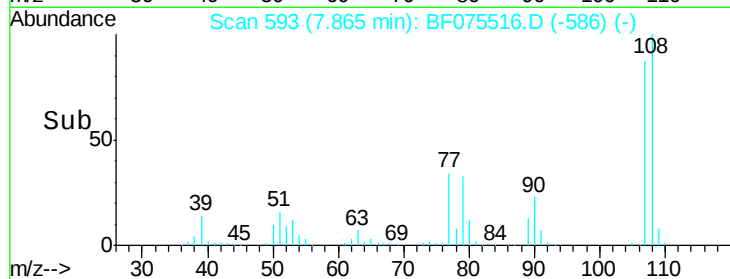
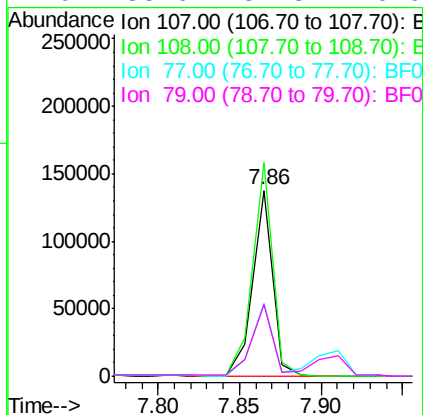
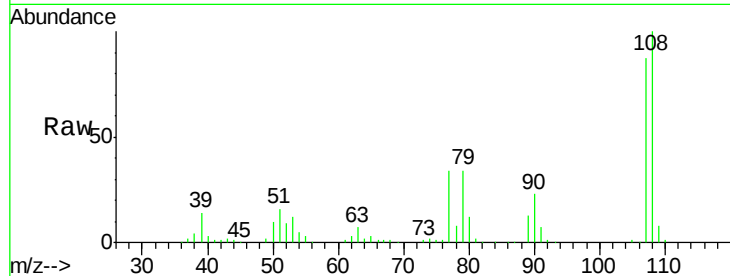
#17  
2-Methylphenol  
Concen: 46.39 ng  
RT: 7.86 min Scan# 593  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 114.9 | 95.6 | 143.4 |       |
| 77      | 39.5  | 30.2 | 45.4  |       |
| 79      | 38.6  | 31.3 | 46.9  |       |

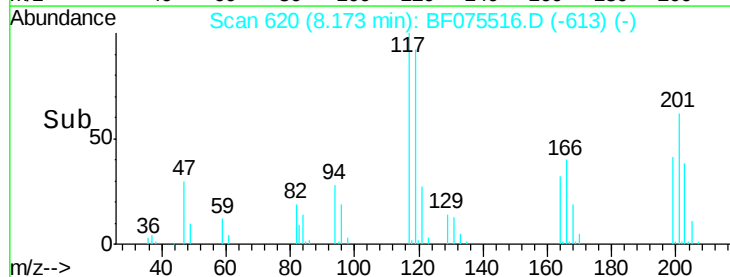
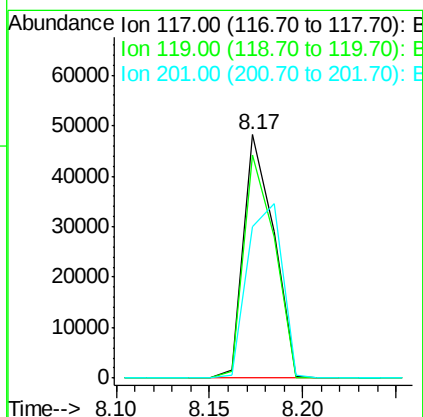
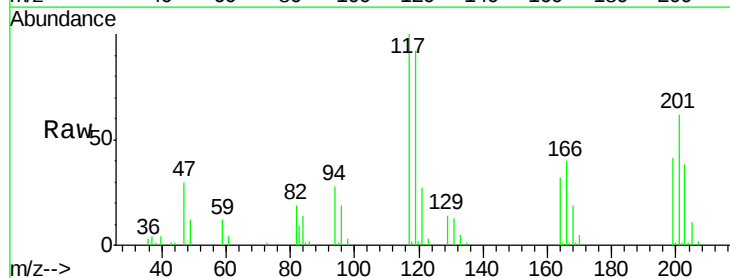
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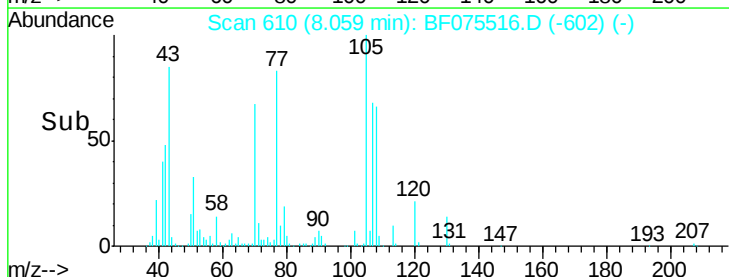
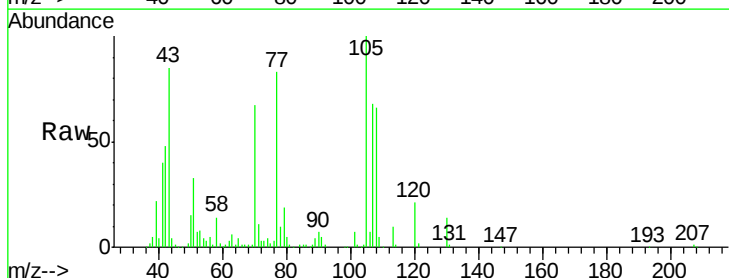
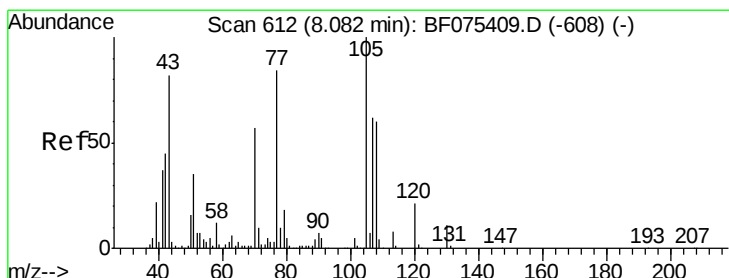
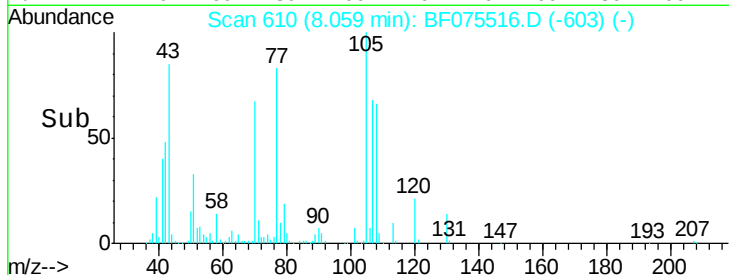
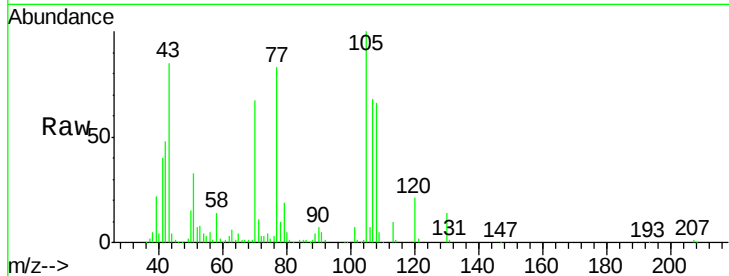
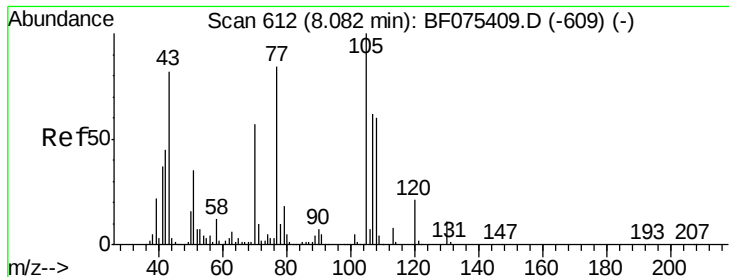
mohammad  
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#18  
Hexachloroethane  
Concen: 46.67 ng  
RT: 8.17 min Scan# 620  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

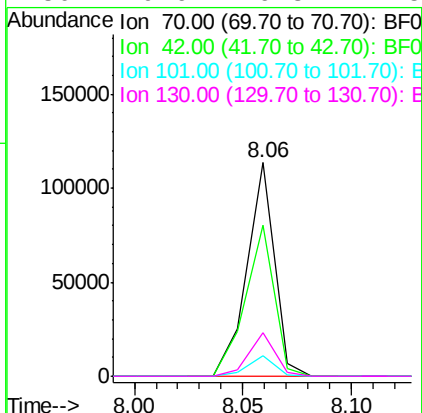
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 91.6  | 72.9 | 109.3 |       |
| 201     | 62.4  | 48.2 | 72.4  |       |





#19  
n-Nitroso-di-n-propylamine  
Concen: 46.08 ng  
RT: 8.06 min Scan# 610  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 70      | 100  |       | 99906 |       |       |
| 42      | 70.6 | 63.0  | 94.6  |       |       |
| 101     | 9.6  | 7.5   | 11.3  |       |       |
| 130     | 20.6 | 16.3  | 24.5  |       |       |



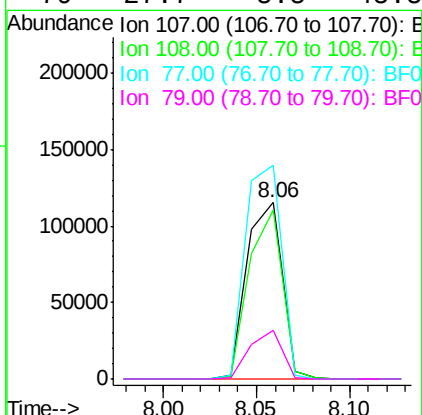
Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

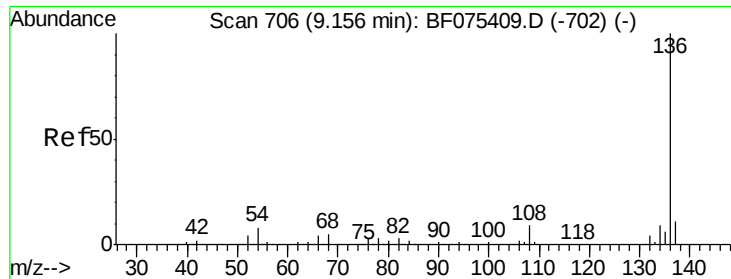
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#20  
3+4-Methylphenols  
Concen: 45.62 ng  
RT: 8.06 min Scan# 610  
Delta R.T. -0.01 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 107     | 100   |       | 151440 |       |       |
| 108     | 96.1  | 69.6  | 109.6  |       |       |
| 77      | 121.3 | 84.4  | 124.4  |       |       |
| 79      | 27.7  | 5.5   | 45.5   |       |       |





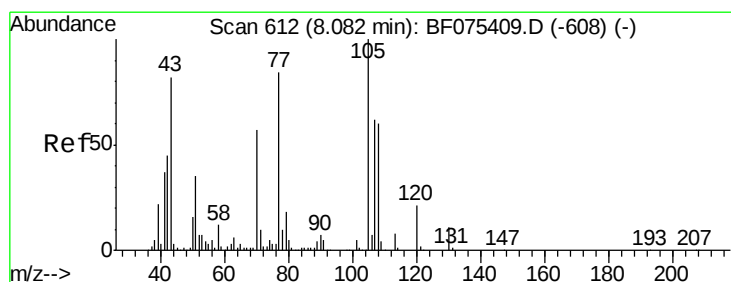
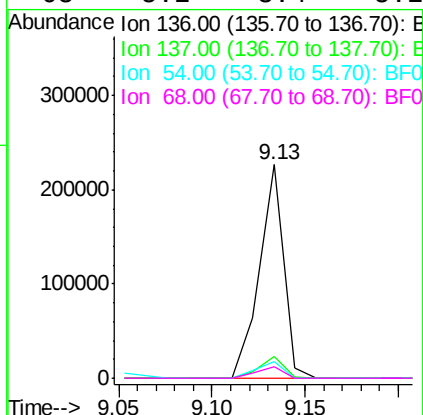
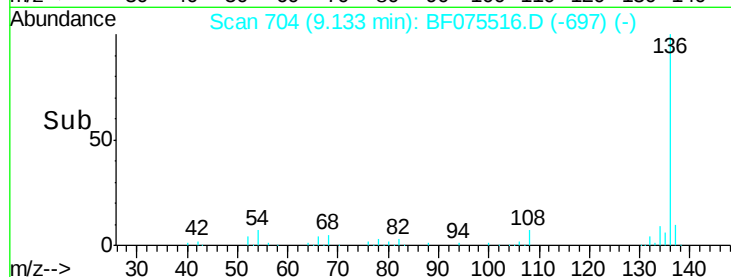
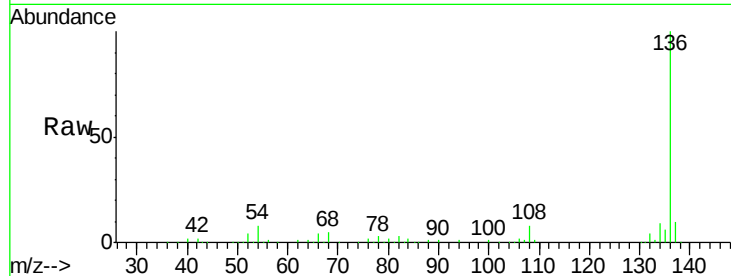
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.13 min Scan# 704  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 136     | 100   |            |       |
| 137     | 10.4  | 8.2        | 12.4  |
| 54      | 8.0   | 6.2        | 9.4   |
| 68      | 5.2   | 3.4        | 5.2#  |

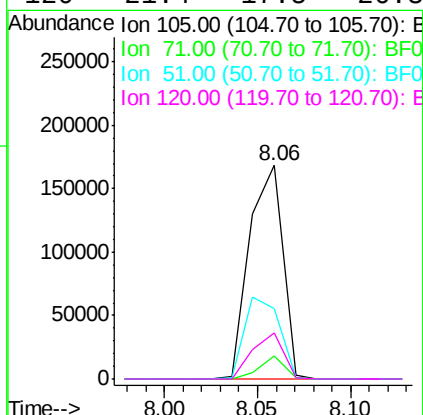
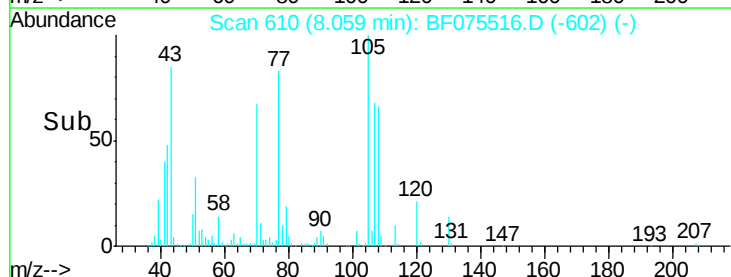
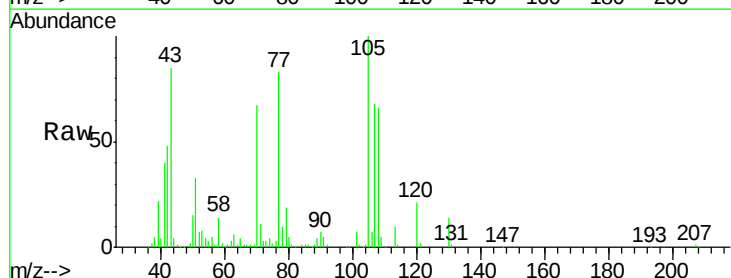
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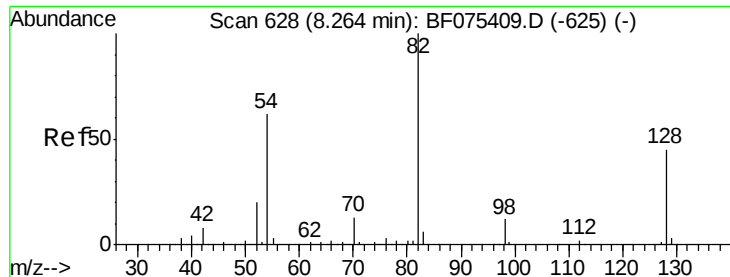
mohammad  
11/17/2014 7:35:09 PM



#22  
Acetophenone  
Concen: 46.35 ng  
RT: 8.06 min Scan# 610  
Delta R.T. -0.01 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 105     | 100   |            |       |
| 71      | 11.1  | 10.5       | 15.7  |
| 51      | 33.1  | 24.2       | 36.2  |
| 120     | 21.4  | 17.5       | 26.3  |





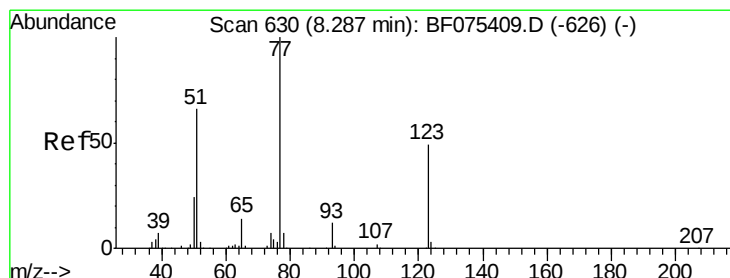
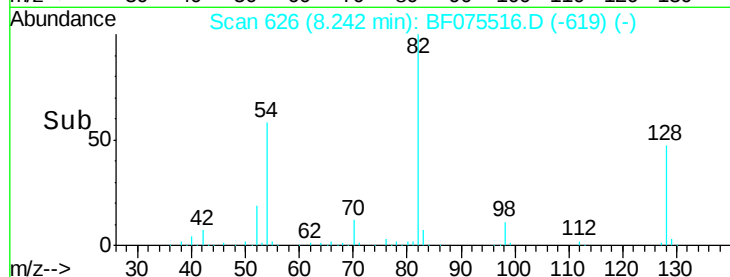
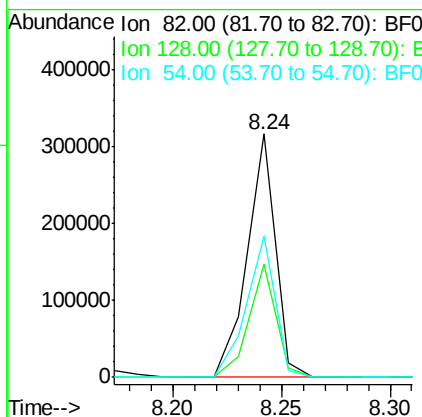
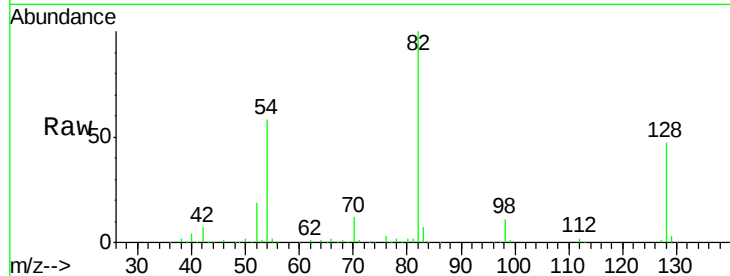
#23  
Nitrobenzene-d5  
Concen: 100.12 ng  
RT: 8.24 min Scan# 626  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 283667 |       |       |
| 128     | 46.6  |        | 37.8  | 56.6  |
| 54      | 58.2  |        | 49.8  | 74.8  |

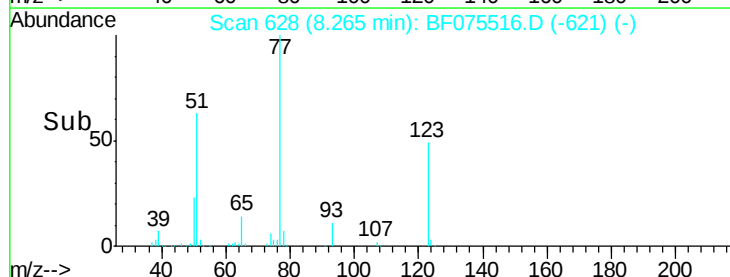
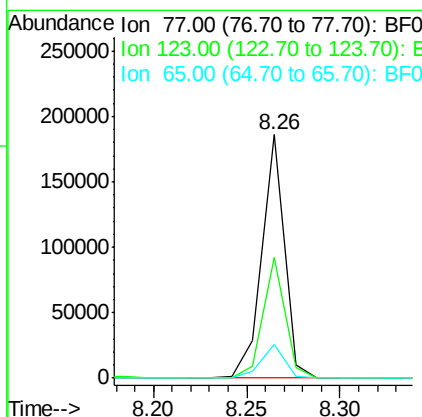
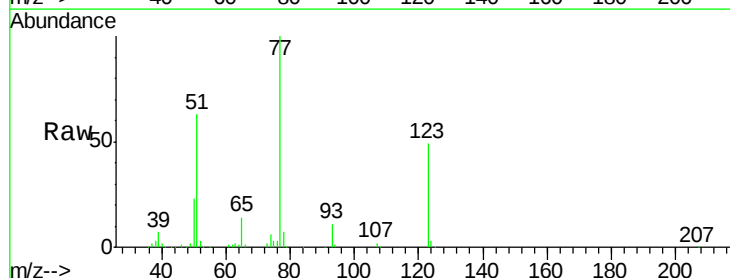
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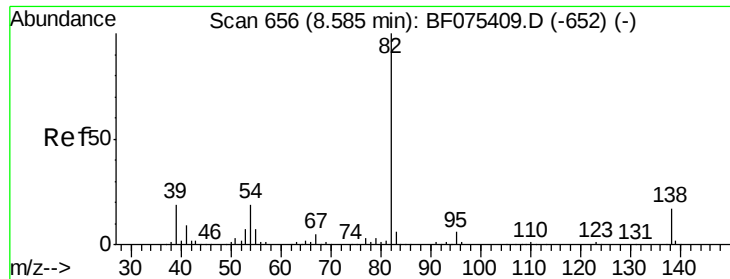
mohammad  
11/17/2014 7:35:09 PM



#24  
Nitrobenzene  
Concen: 47.20 ng  
RT: 8.26 min Scan# 628  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 154991 |       |       |
| 123     | 49.4  |        | 39.0  | 58.4  |
| 65      | 13.8  |        | 10.6  | 15.8  |





#25

Isophorone

Concen: 43.15 ng

RT: 8.56 min Scan# 654

Delta R.T. -0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

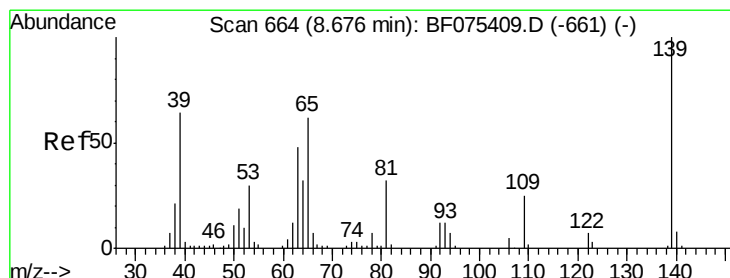
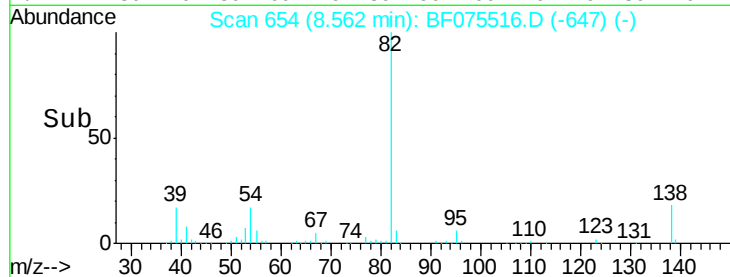
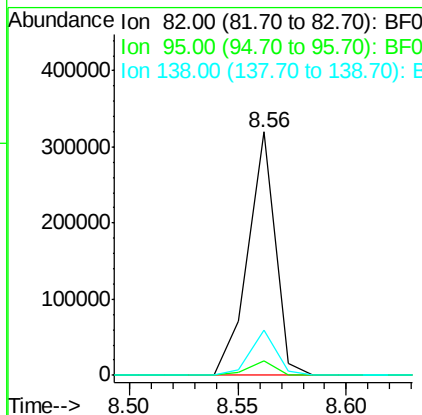
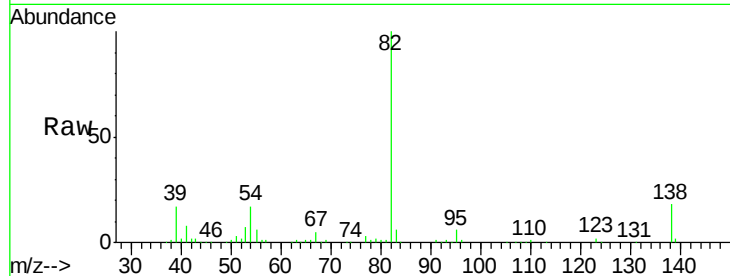
ClientSampleId :

PB80204BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 82   | Resp: | 279126 |
| Ion Ratio |      | Lower | Upper  |
| 82        | 100  |       |        |
| 95        | 5.9  | 5.2   | 7.8    |
| 138       | 18.3 | 15.0  | 22.6   |

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#26

2-Nitrophenol

Concen: 44.58 ng

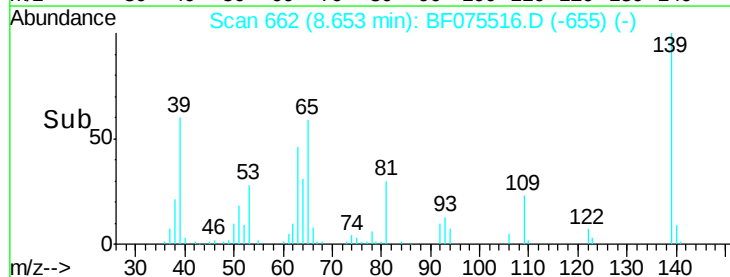
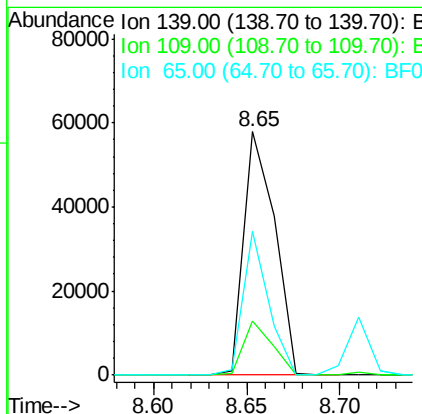
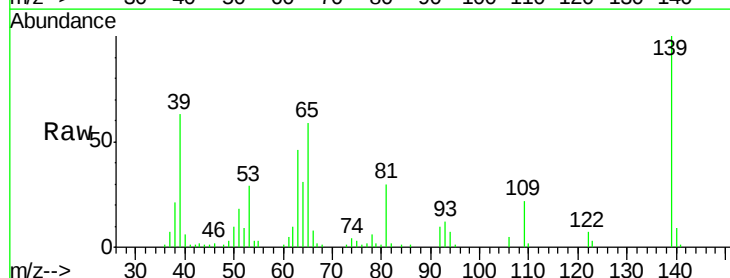
RT: 8.65 min Scan# 662

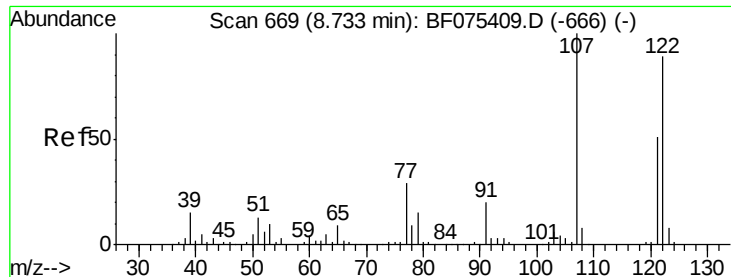
Delta R.T. -0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 139  | Resp: | 66695 |
| Ion Ratio |      | Lower | Upper |
| 139       | 100  |       |       |
| 109       | 22.5 | 22.3  | 33.5  |
| 65        | 58.8 | 49.1  | 73.7  |





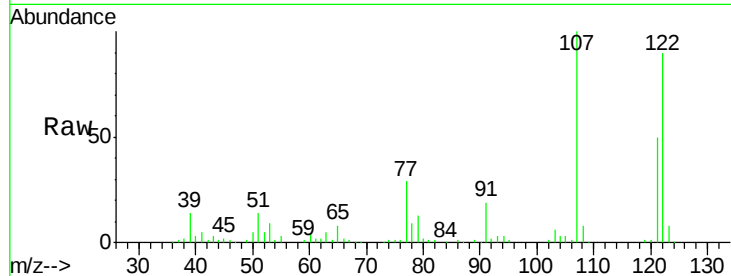
#27  
2,4-Dimethylphenol  
Concen: 44.13 ng  
RT: 8.71 min Scan# 667  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

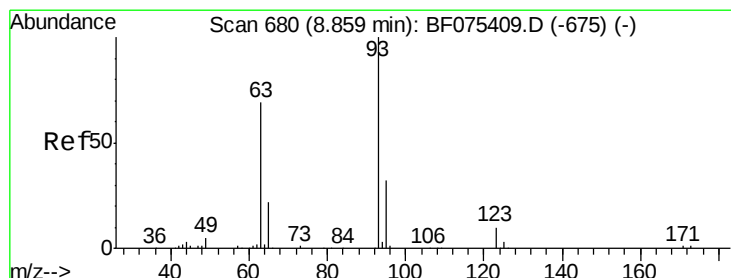
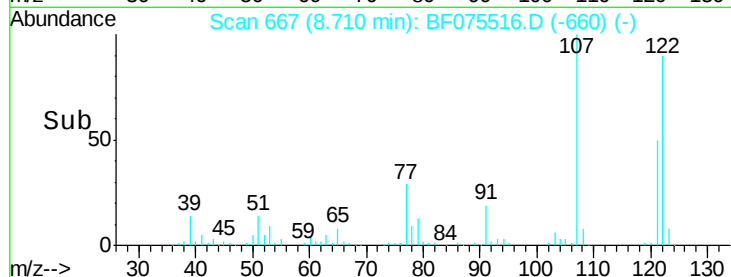
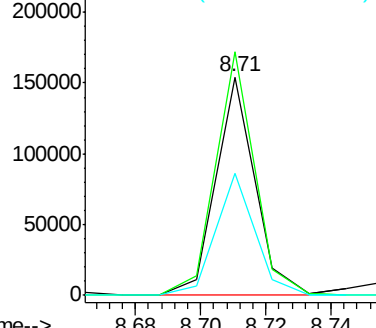
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 127955 |       |       |
| 107     | 111.5 | 86.5   | 129.7 |       |
| 121     | 56.1  | 45.4   | 68.2  |       |

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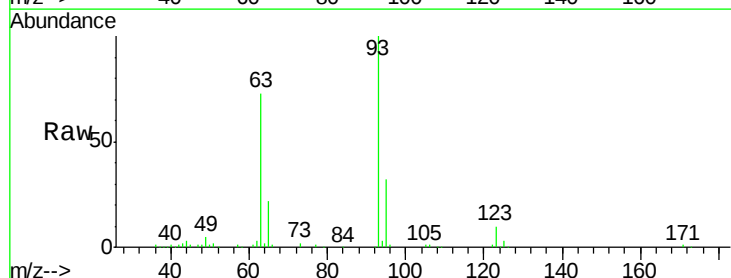


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

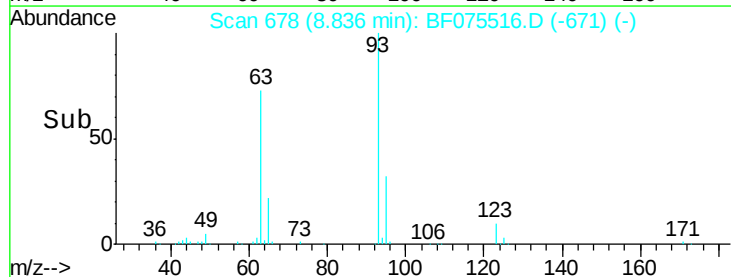
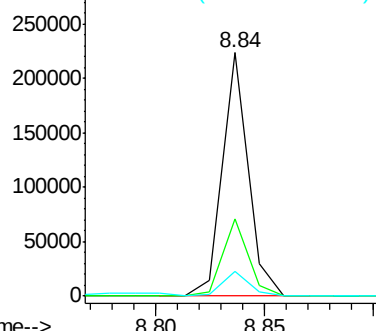


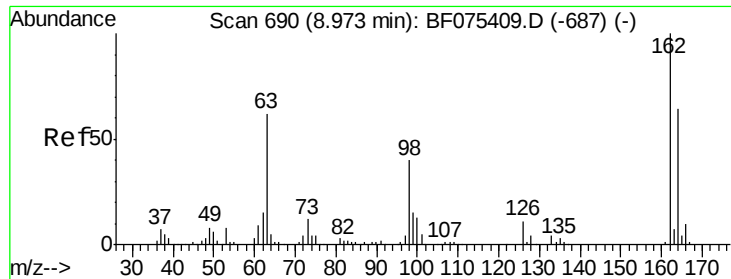
#28  
bis(2-Chloroethoxy)methane  
Concen: 46.69 ng  
RT: 8.84 min Scan# 678  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 184060 |       |       |
| 95      | 31.9  | 26.2   | 39.4  |       |
| 123     | 10.0  | 8.8    | 13.2  |       |



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





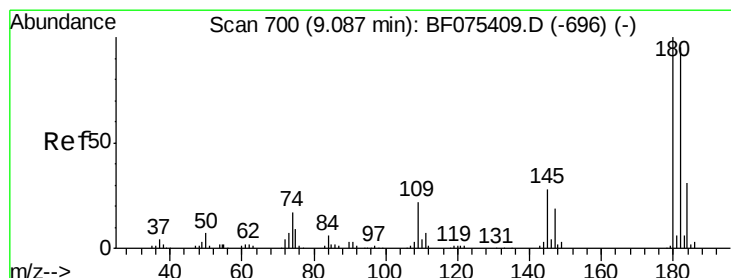
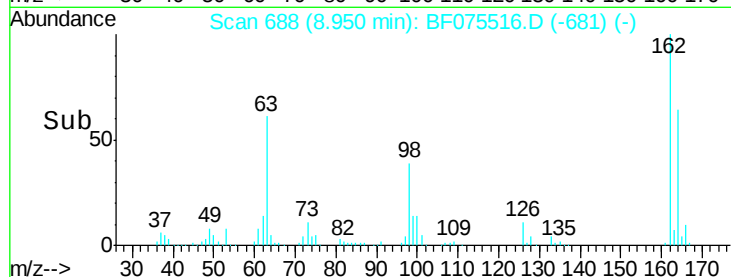
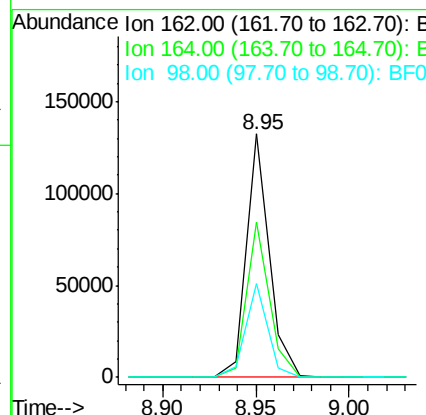
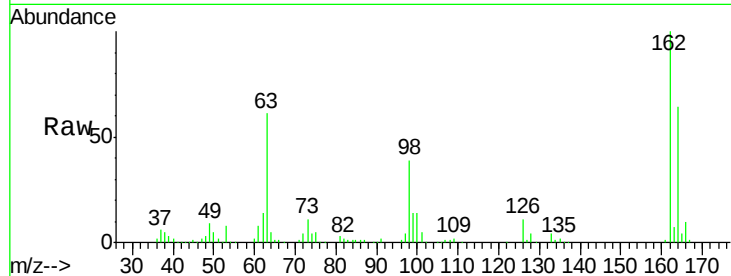
#29  
 2,4-Dichlorophenol  
 Concen: 44.57 ng  
 RT: 8.95 min Scan# 688  
 Delta R.T. -0.02 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80204BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 64.0  | 43.8       | 83.8       |
| 98      | 38.8  | 14.6       | 54.6       |

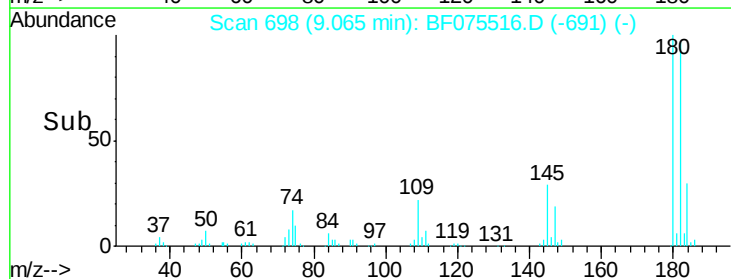
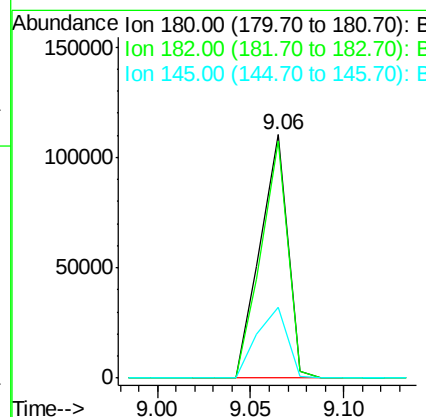
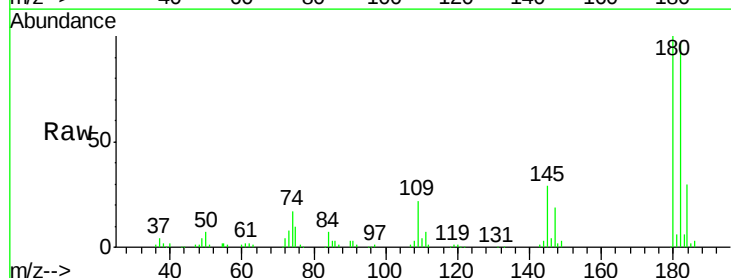
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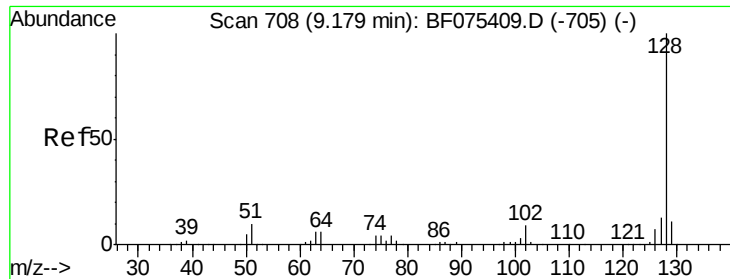
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 42.27 ng  
 RT: 9.06 min Scan# 698  
 Delta R.T. -0.02 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 97.4  | 78.4       | 117.6      |
| 145     | 29.2  | 22.3       | 33.5       |





#31

Naphthalene

Concen: 46.06 ng

RT: 9.16 min Scan# 706

Delta R.T. -0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

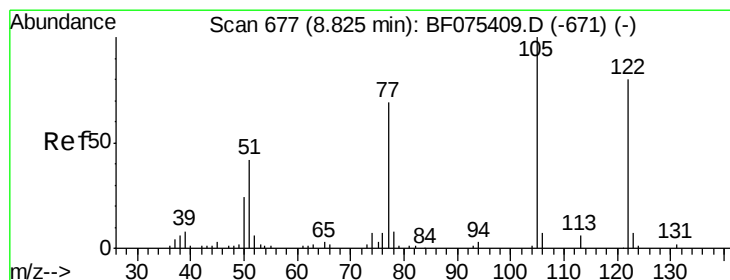
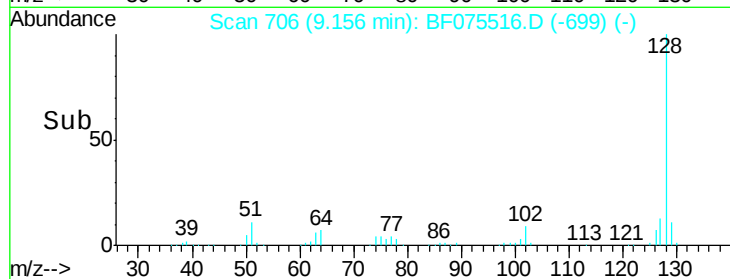
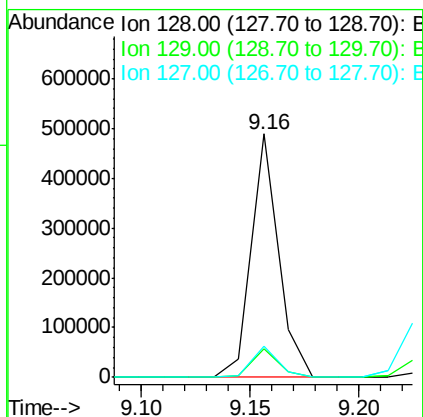
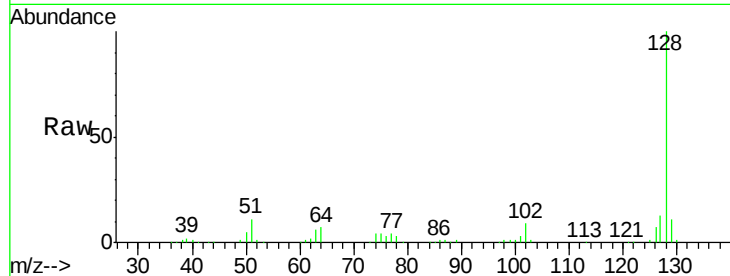
ClientSampleId :

PB80204BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 426588 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.5  | 9.0   | 13.4   |
| 127       | 12.7  | 10.2  | 15.4   |

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#32

Benzoic acid

Concen: 52.90 ng m

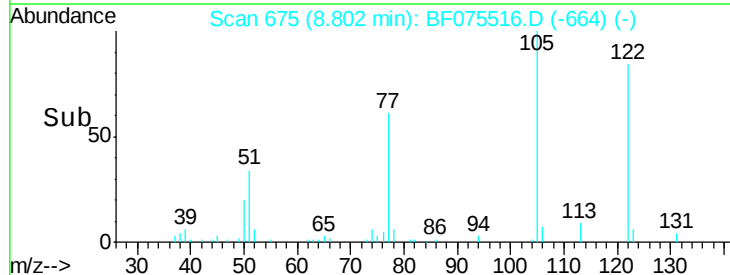
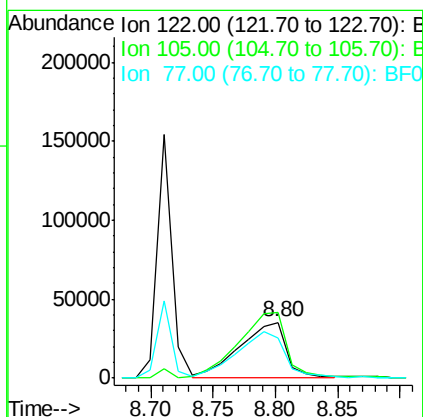
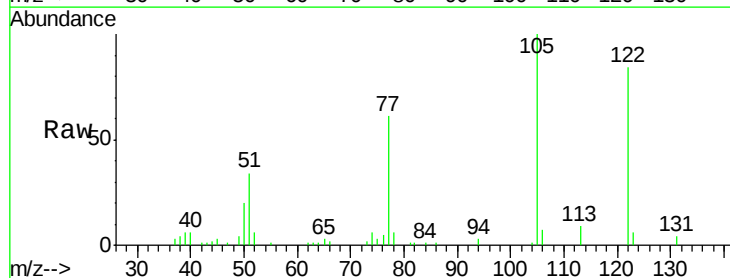
RT: 8.80 min Scan# 675

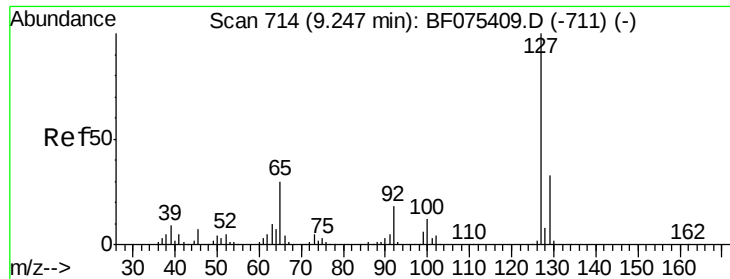
Delta R.T. 0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 92692 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 118.9 | 95.1  | 135.1 |
| 77        | 72.6  | 62.6  | 102.6 |





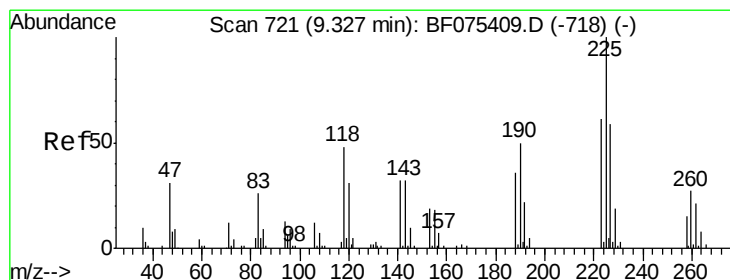
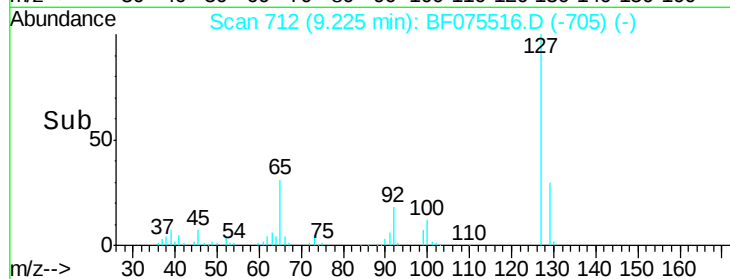
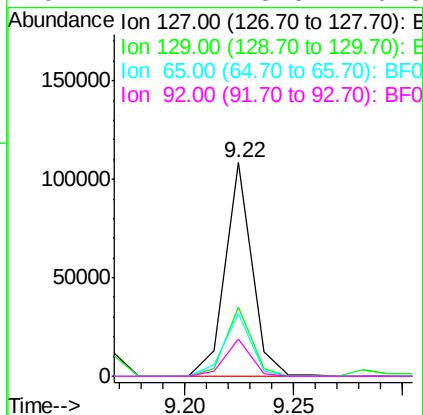
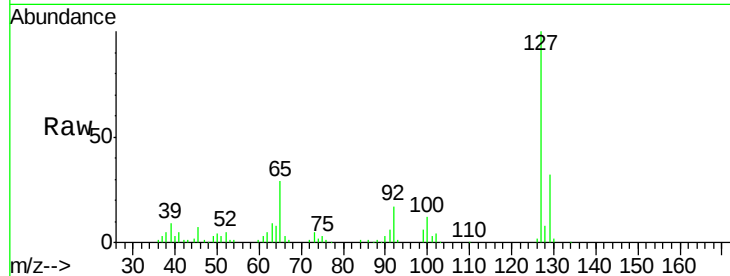
#33  
4-Chloroaniline  
Concen: 23.05 ng  
RT: 9.22 min Scan# 712  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.3 | 25.5  | 38.3 |       |       |
| 65      | 29.4 | 22.8  | 34.2 |       |       |
| 92      | 17.1 | 13.8  | 20.6 |       |       |

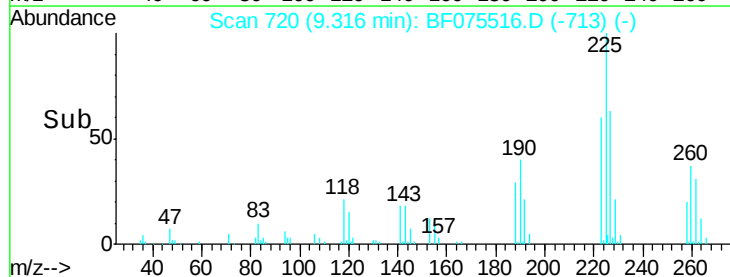
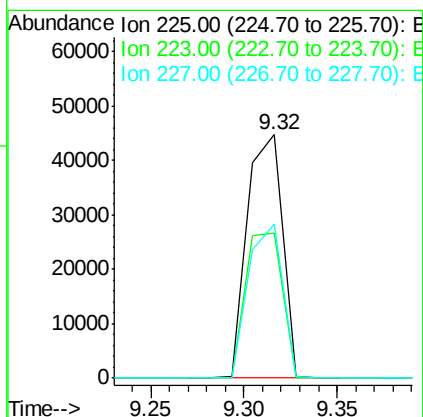
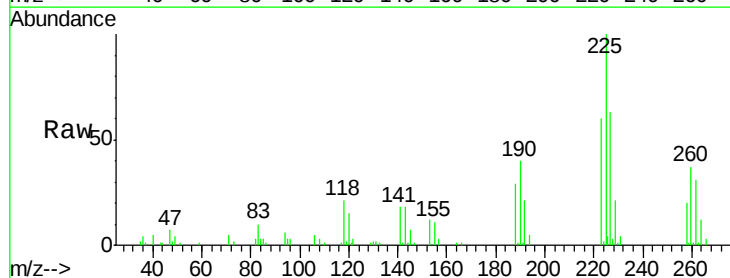
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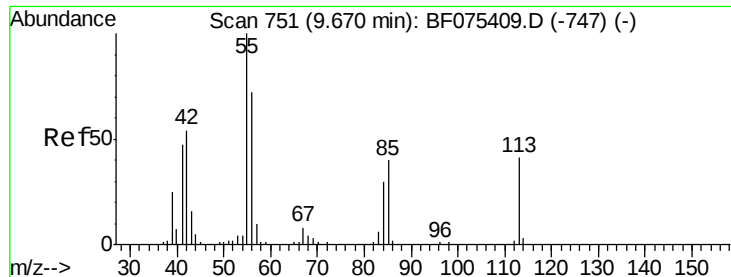
mohammad  
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#34  
Hexachlorobutadiene  
Concen: 40.44 ng  
RT: 9.32 min Scan# 720  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 59.5 | 51.0  | 76.6 |       |       |
| 227     | 63.4 | 48.6  | 73.0 |       |       |





#35

Caprolactam

Concen: 43.63 ng

RT: 9.64 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

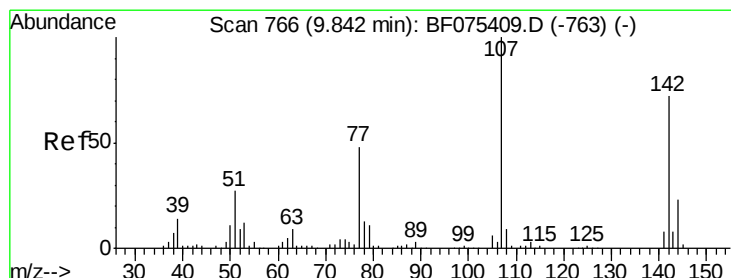
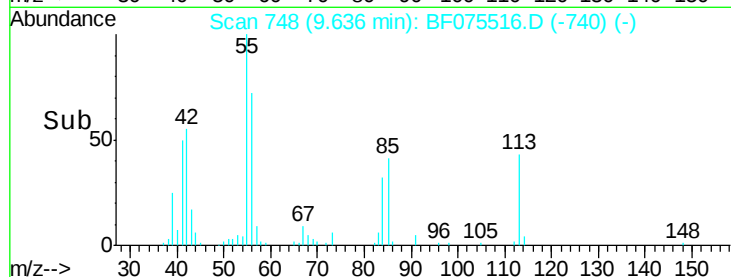
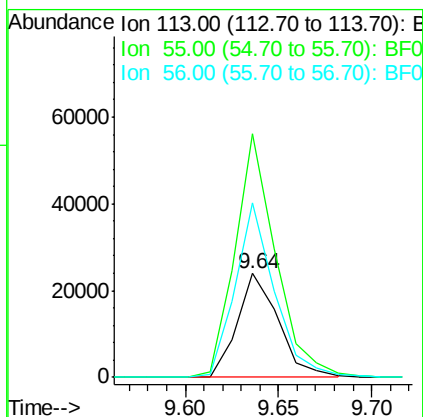
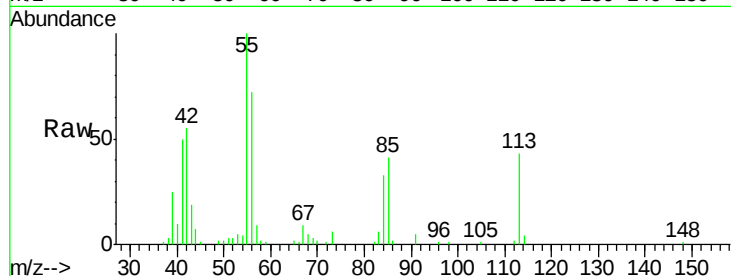
ClientSampleId :

PB80204BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 36730 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 234.6 | 226.9 | 266.9 |
| 56        | 168.3 | 148.4 | 188.4 |

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#36

4-Chloro-3-methylphenol

Concen: 42.70 ng

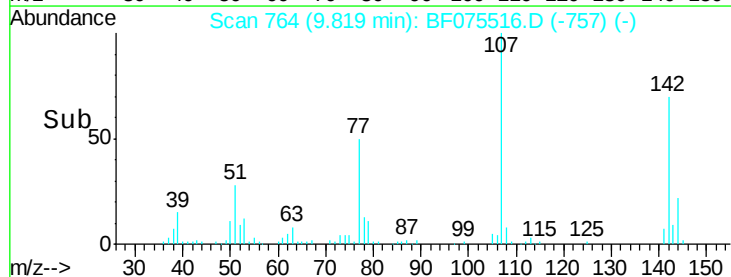
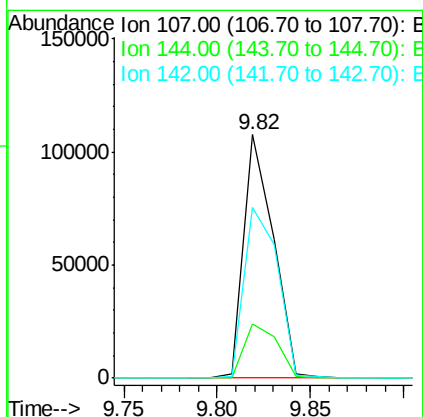
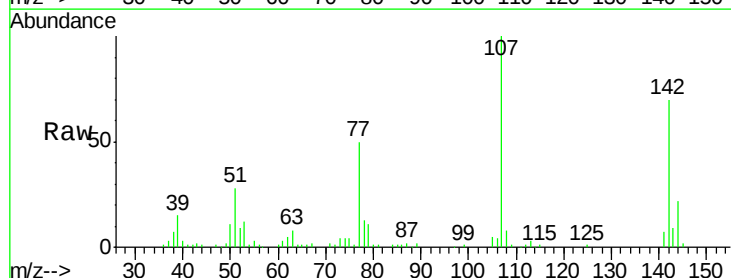
RT: 9.82 min Scan# 764

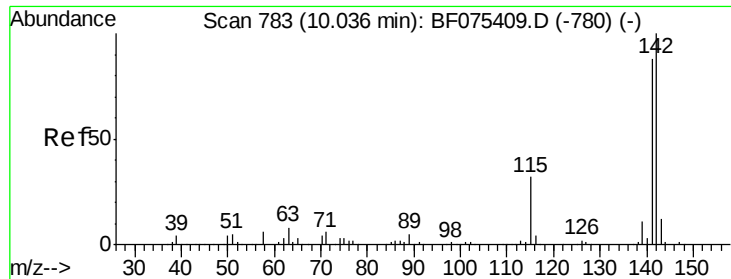
Delta R.T. -0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 119031 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 22.1  | 19.1  | 28.7   |
| 142       | 70.2  | 62.9  | 94.3   |





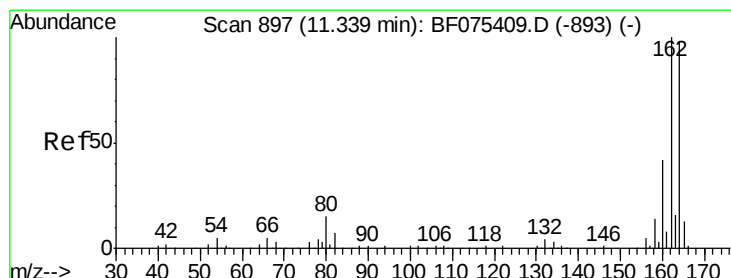
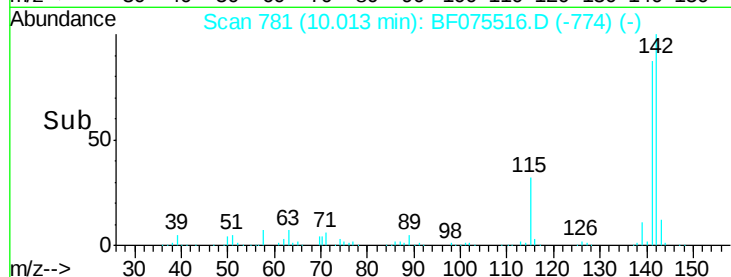
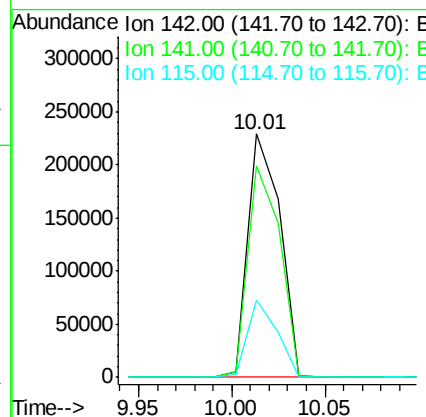
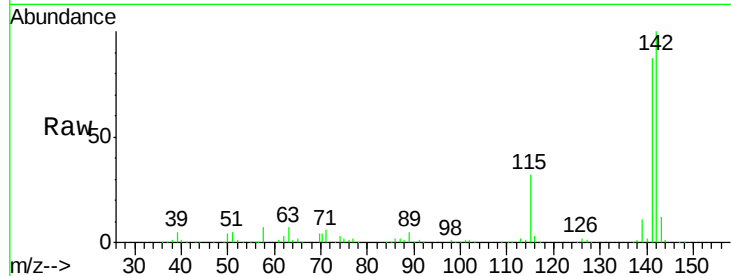
#37  
2-Methylnaphthalene  
Concen: 43.87 ng  
RT: 10.01 min Scan# 781  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.7  | 69.9  | 104.9 |
| 115     | 31.9  | 27.6  | 41.4  |

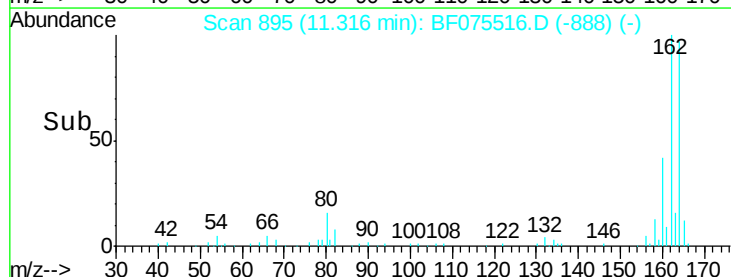
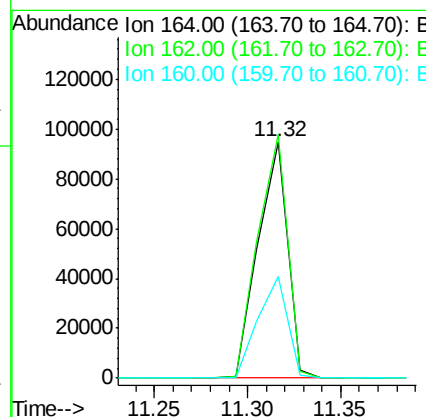
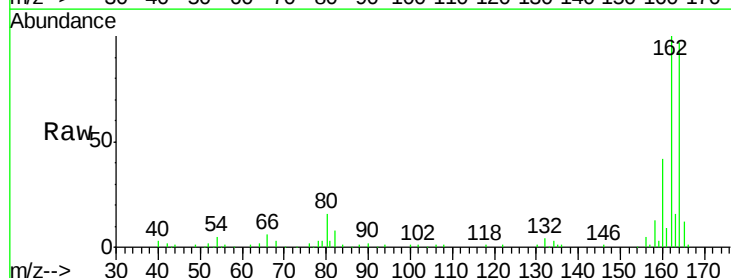
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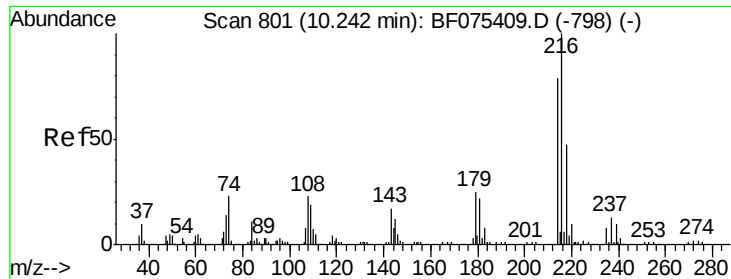
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 11.32 min Scan# 895  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.1 | 79.1  | 118.7 |
| 160     | 42.8  | 34.6  | 51.8  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 48.05 ng

RT: 10.22 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

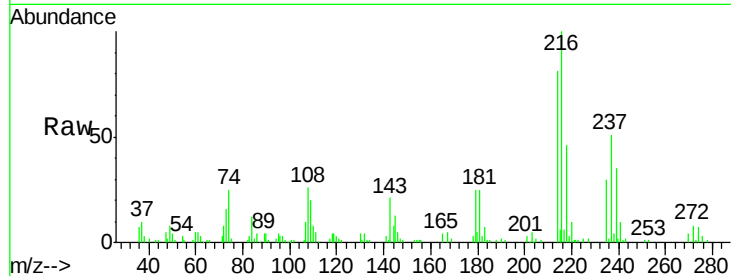
ClientSampleId :

PB80204BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 216  | Resp: | 101694 |
| Ion Ratio |      | Lower | Upper  |
| 216       | 100  |       |        |
| 214       | 80.2 | 62.8  | 94.2   |
| 179       | 22.5 | 18.7  | 28.1   |
| 108       | 24.7 | 18.1  | 27.1   |

Manual Integrations  
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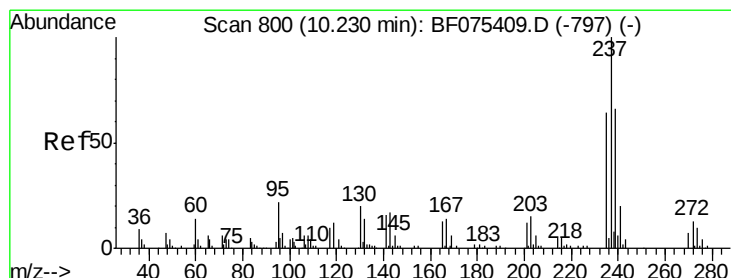
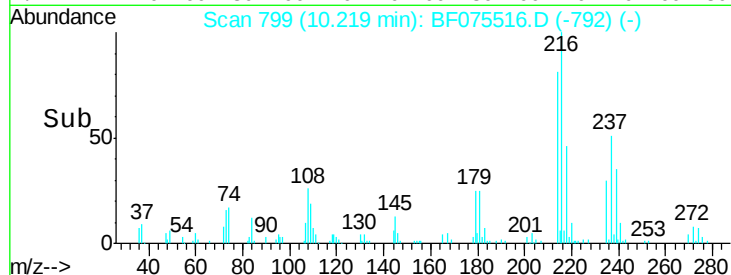
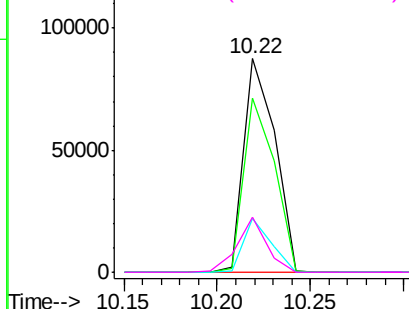


Abundance Ion 216.00 (215.70 to 216.70): E

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: 102.22 ng

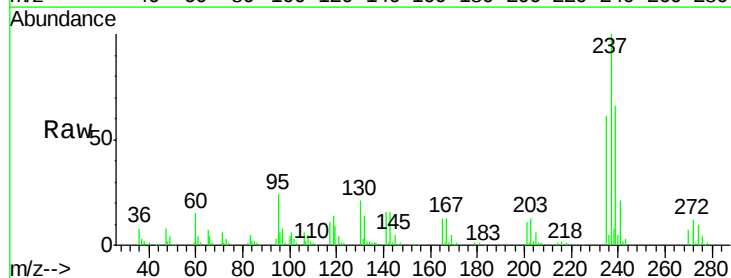
RT: 10.21 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

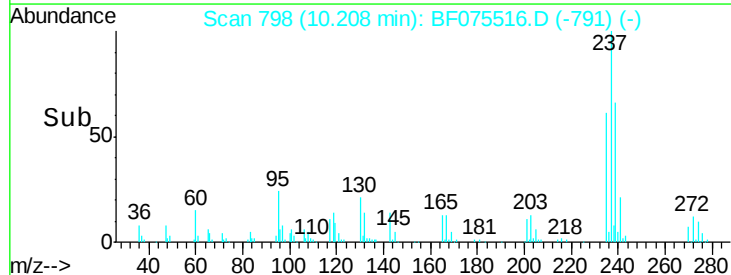
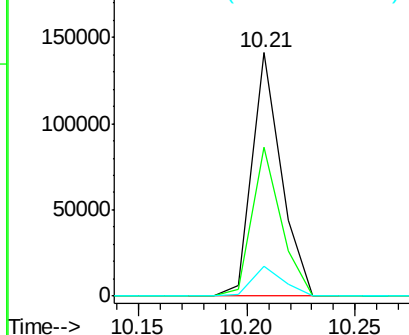
|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 237  | Resp: | 131428 |
| Ion Ratio |      | Lower | Upper  |
| 237       | 100  |       |        |
| 235       | 61.3 | 45.7  | 85.7   |
| 272       | 12.3 | 0.0   | 32.6   |

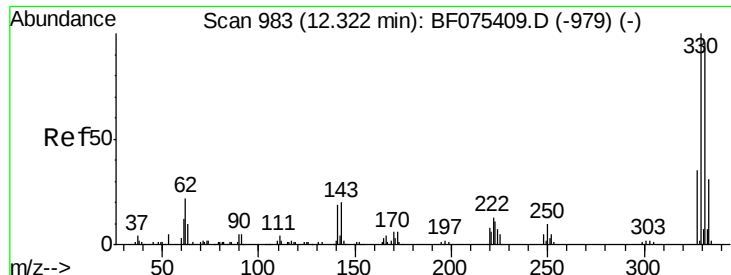


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





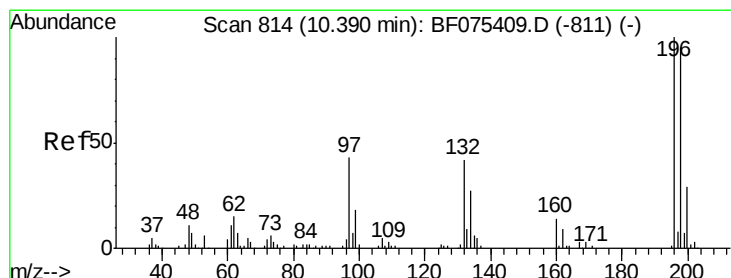
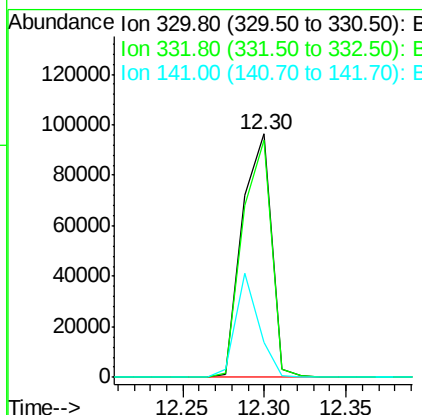
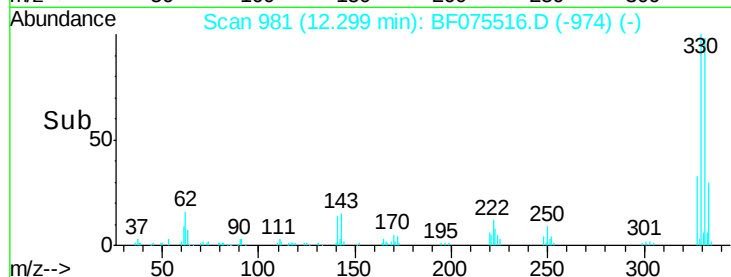
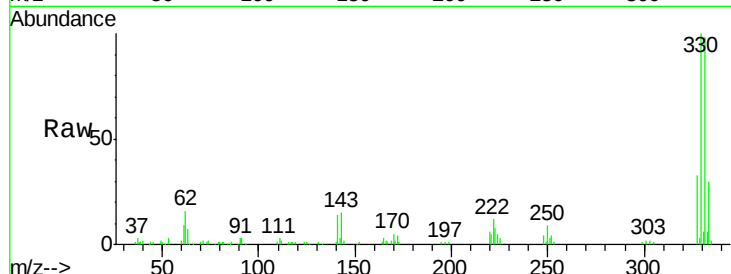
#41  
 2,4,6-Tribromophenol  
 Concen: 138.26 ng  
 RT: 12.30 min Scan# 981  
 Delta R.T. -0.02 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80204BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 74.5  | 111.7 |
| 141     | 34.0  | 30.7  | 46.1  |

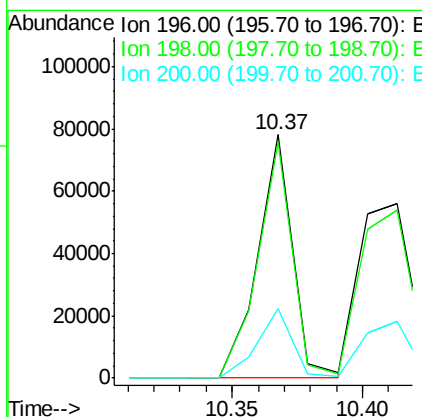
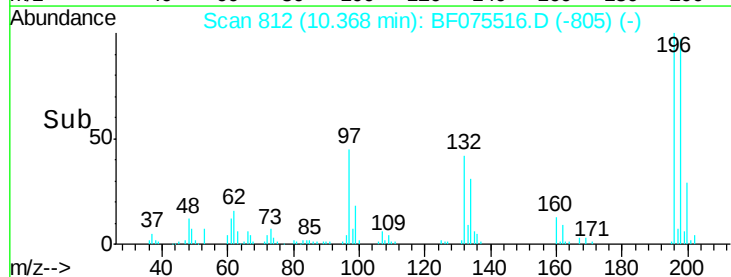
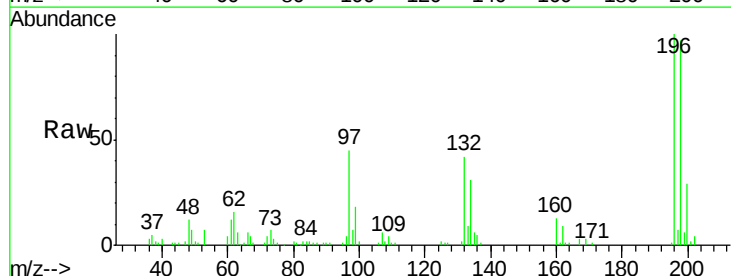
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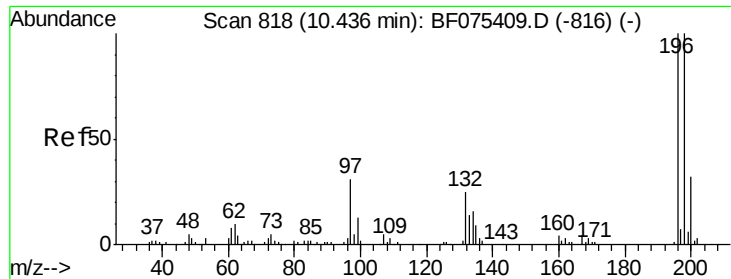
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#42  
 2,4,6-Trichlorophenol  
 Concen: 43.21 ng  
 RT: 10.37 min Scan# 812  
 Delta R.T. -0.02 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.7  | 75.7  | 113.5 |
| 200     | 28.7  | 23.4  | 35.0  |





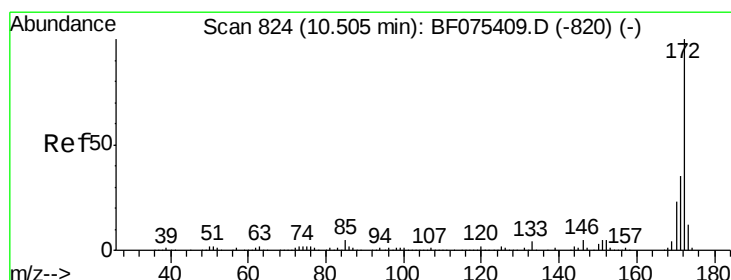
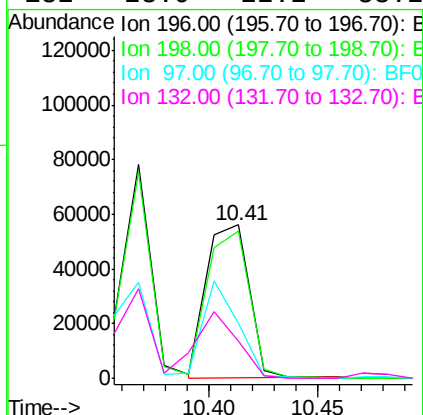
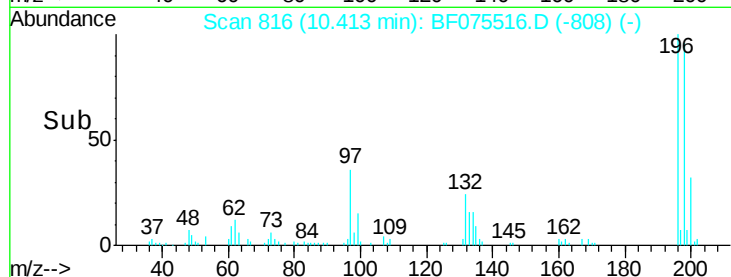
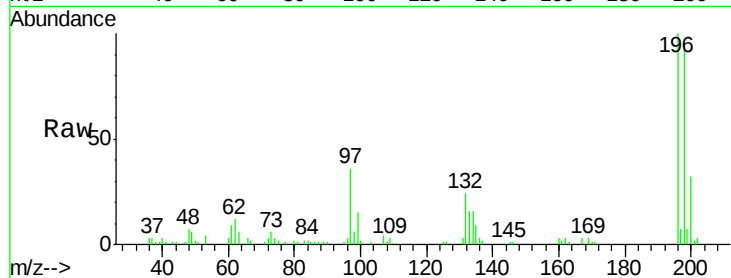
#43  
 2,4,5-Trichlorophenol  
 Concen: 43.54 ng  
 RT: 10.41 min Scan# 816  
 Delta R.T. -0.01 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80204BS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 196     | 100  |       | 76332 |       |       |
| 198     | 95.8 | 78.2  | 117.4 |       |       |
| 97      | 35.8 | 29.9  | 44.9  |       |       |
| 132     | 23.9 | 22.2  | 33.2  |       |       |

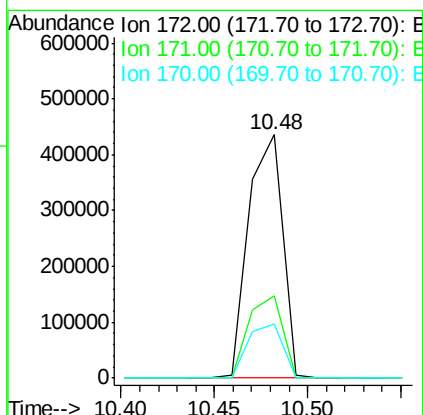
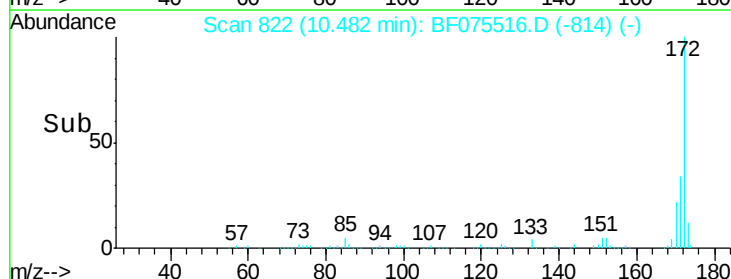
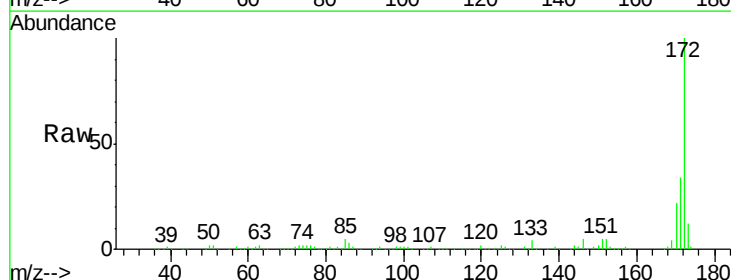
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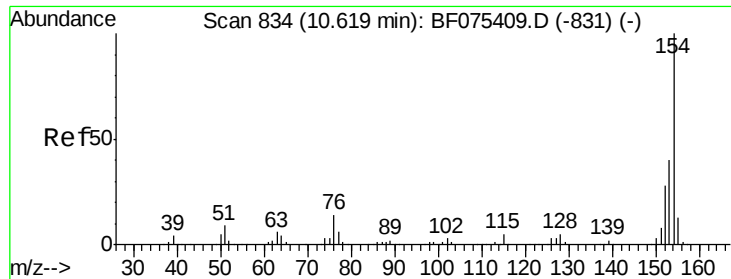
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#44  
 2-Fluorobiphenyl  
 Concen: 96.52 ng  
 RT: 10.48 min Scan# 822  
 Delta R.T. -0.01 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 172     | 100  |       | 549999 |       |       |
| 171     | 33.9 | 27.3  | 40.9   |       |       |
| 170     | 22.1 | 18.4  | 27.6   |       |       |





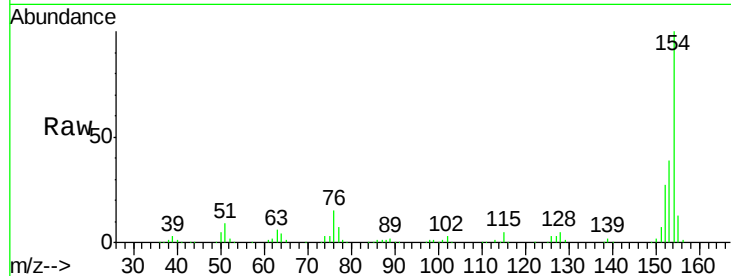
#45  
1,1'-Biphenyl  
Concen: 46.34 ng  
RT: 10.60 min Scan# 832  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

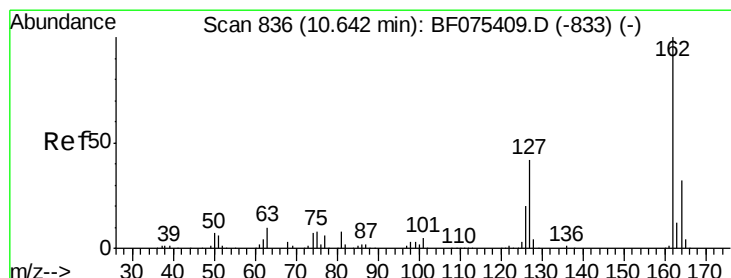
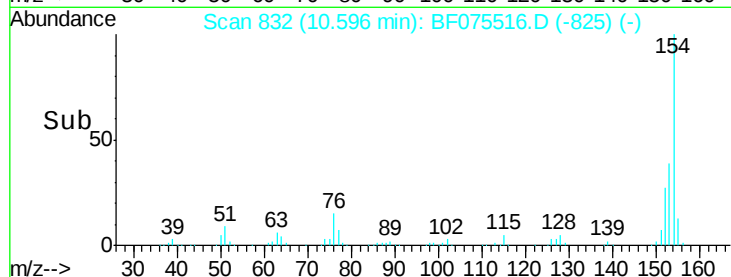
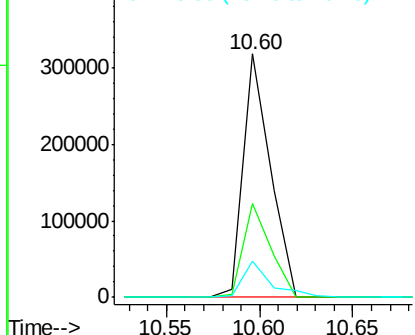
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 38.5  | 19.3 | 59.3  |       |
| 76      | 14.7  | 0.0  | 35.0  |       |

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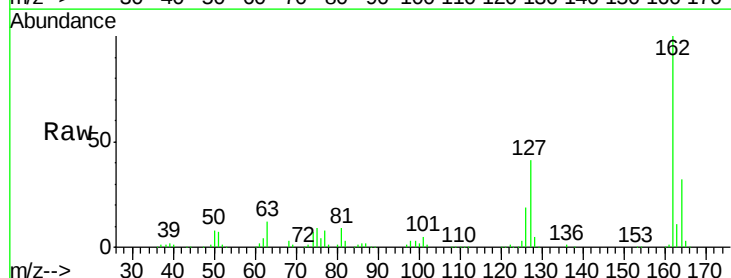


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0

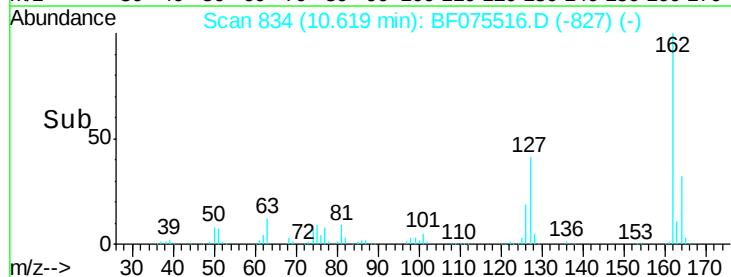
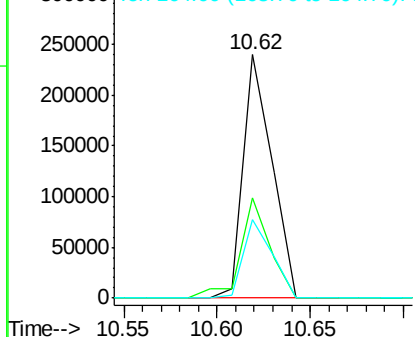


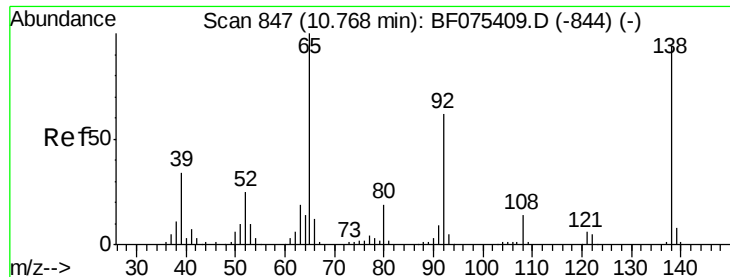
#46  
2-Chloronaphthalene  
Concen: 47.30 ng  
RT: 10.62 min Scan# 834  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 162     | 100   |      |       |       |
| 127     | 41.2  | 34.6 | 51.8  |       |
| 164     | 32.3  | 25.1 | 37.7  |       |



Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 49.21 ng

RT: 10.74 min Scan# 845

Delta R.T. -0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

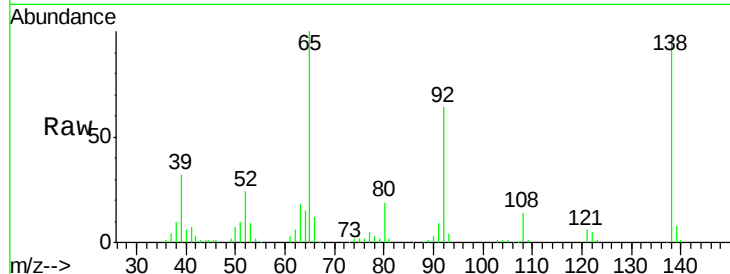
ClientSampleId :

PB80204BS

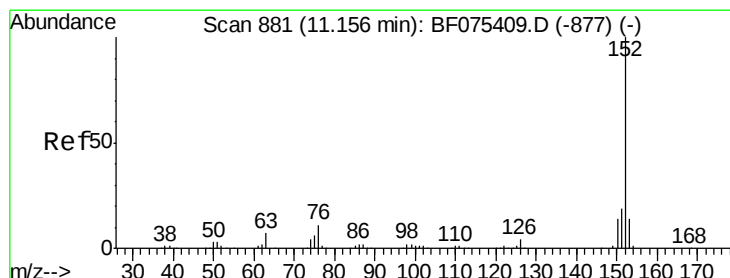
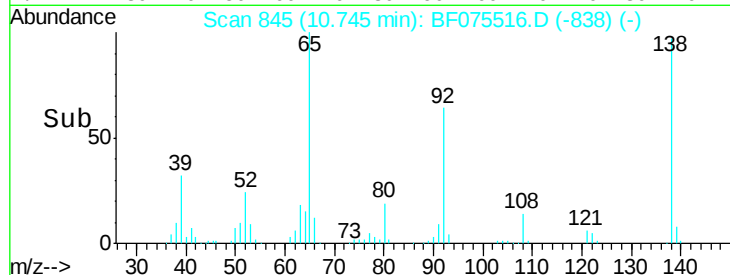
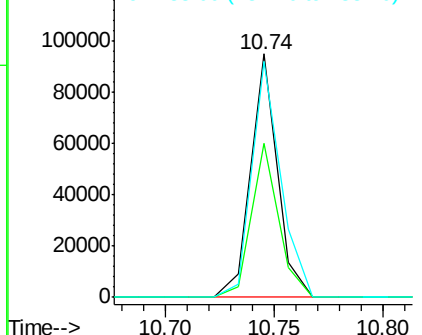
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 65    | Resp: | 80406 |
| Ion Ratio | Lower | Upper |       |
| 65        | 100   |       |       |
| 92        | 63.5  | 46.7  | 70.1  |
| 138       | 97.1  | 62.8  | 94.2# |

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Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 48.27 ng

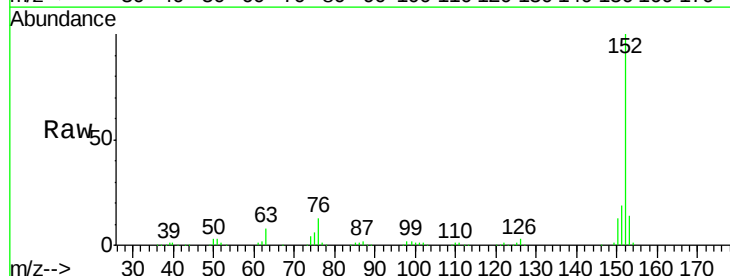
RT: 11.13 min Scan# 879

Delta R.T. -0.02 min

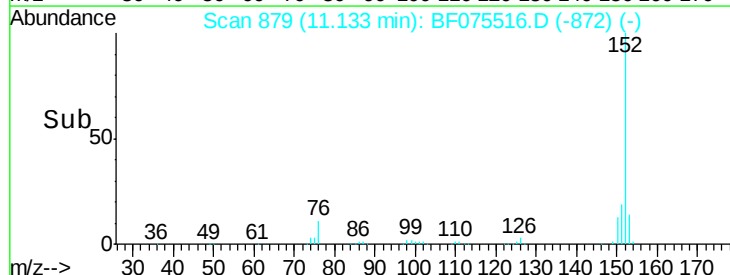
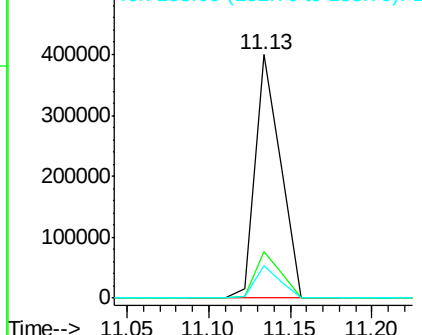
Lab File: BF075516.D

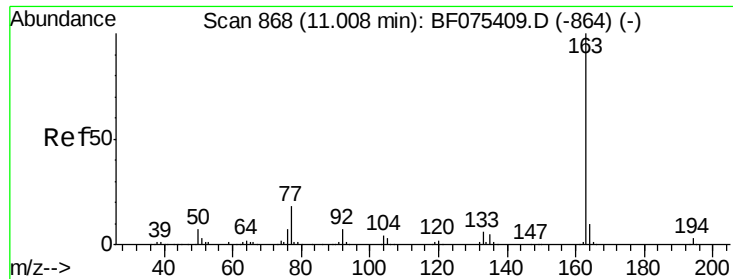
Acq: 15 Nov 2014 1:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 432226 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 19.1  | 15.4  | 23.2   |
| 153       | 13.5  | 10.0  | 15.0   |



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





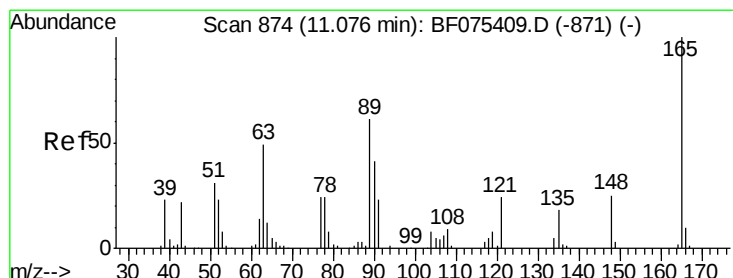
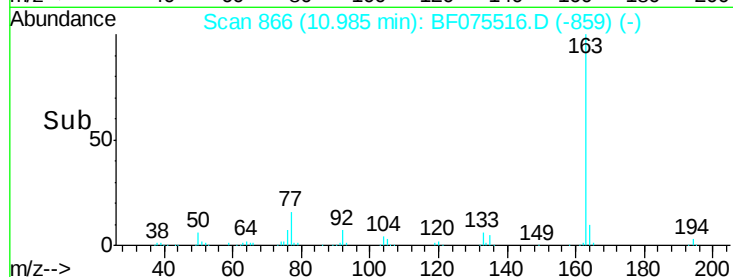
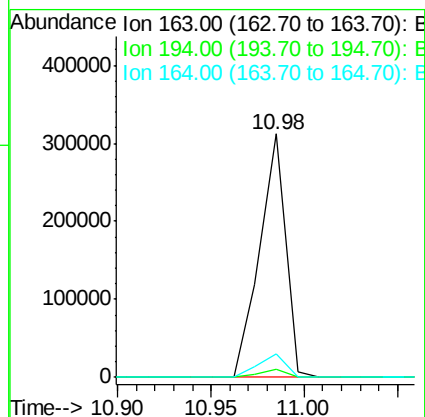
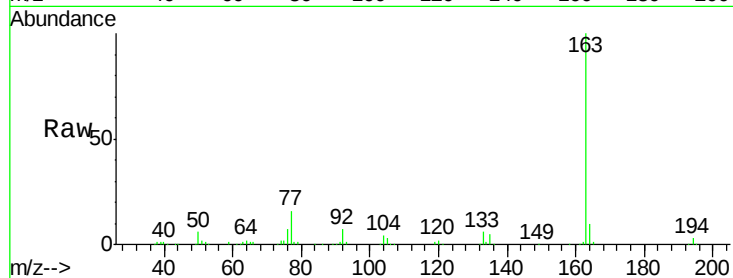
#49  
Dimethylphthalate  
Concen: 42.72 ng  
RT: 10.98 min Scan# 866  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 163     | 100   |            |            |
| 194     | 3.3   | 2.7        | 4.1        |
| 164     | 9.8   | 8.0        | 12.0       |

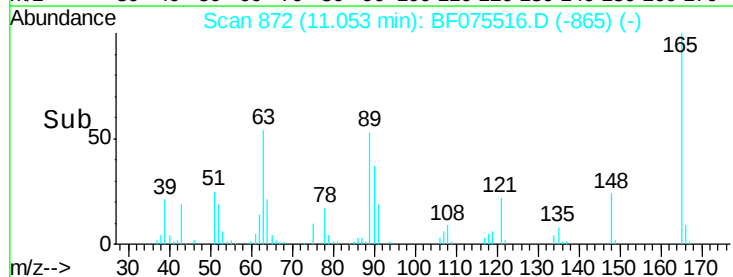
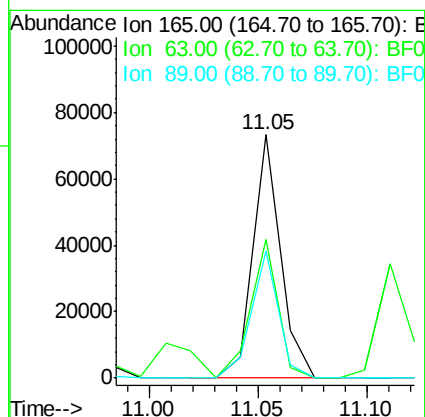
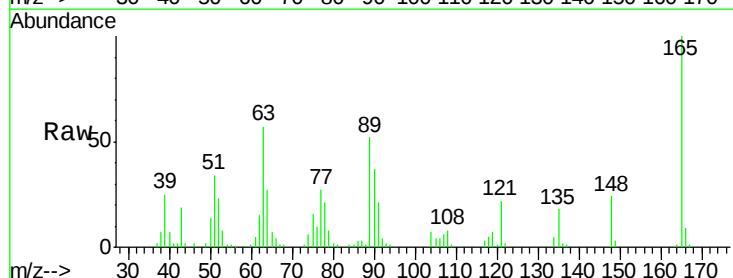
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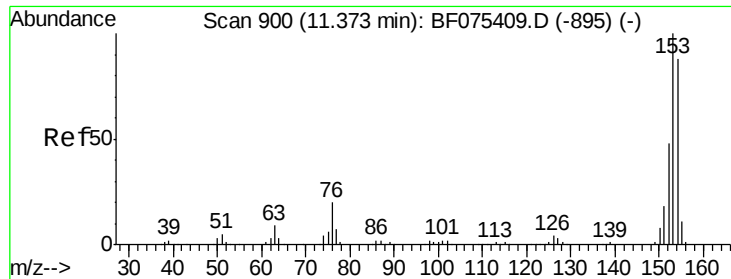
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#50  
2,6-Dinitrotoluene  
Concen: 46.45 ng  
RT: 11.05 min Scan# 872  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 165     | 100   |            |            |
| 63      | 56.8  | 61.2       | 91.8#      |
| 89      | 52.3  | 52.5       | 78.7#      |





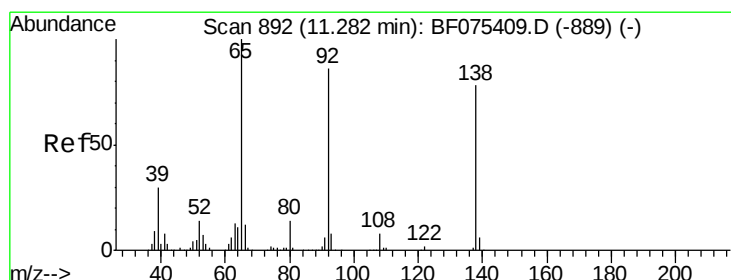
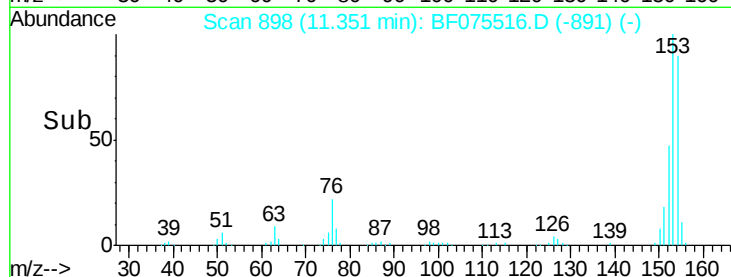
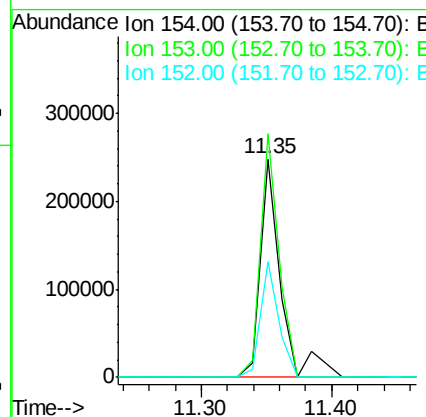
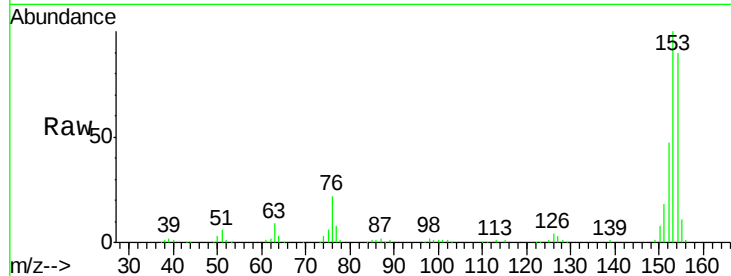
#51  
Acenaphthene  
Concen: 50.90 ng  
RT: 11.35 min Scan# 898  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 111.4 | 91.2  | 136.8 |
| 152     | 52.7  | 43.4  | 65.0  |

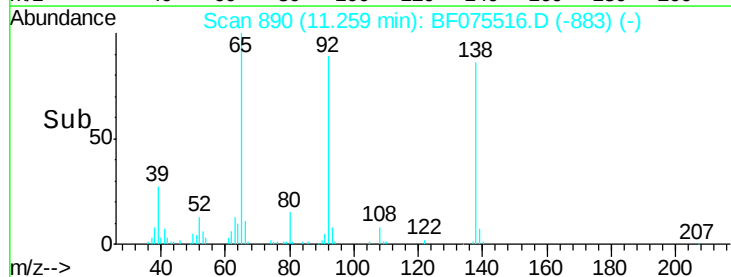
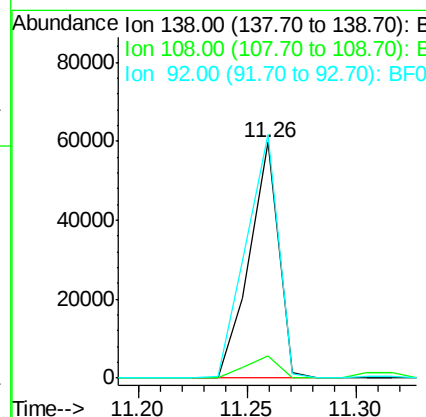
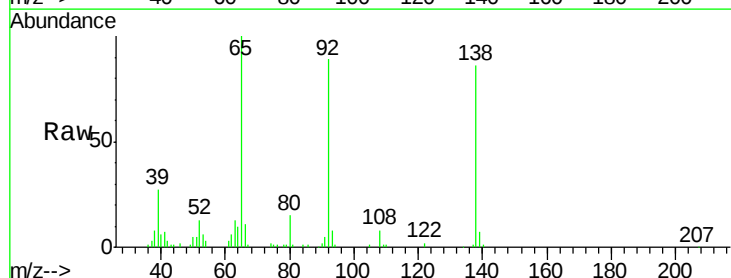
Manual Integrations  
APPROVED

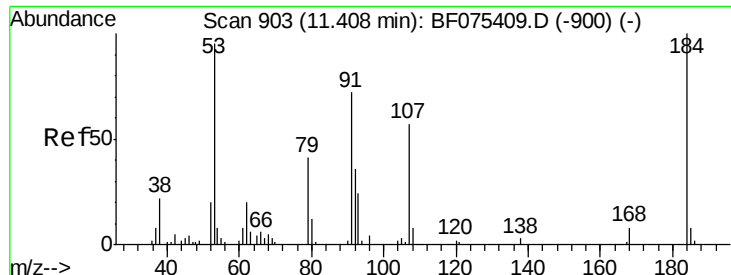
mohammad  
11/17/2014 7:35:09 PM



#52  
3-Nitroaniline  
Concen: 34.10 ng  
RT: 11.26 min Scan# 890  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.5   | 10.2  | 15.2# |
| 92      | 103.3 | 91.0  | 136.6 |





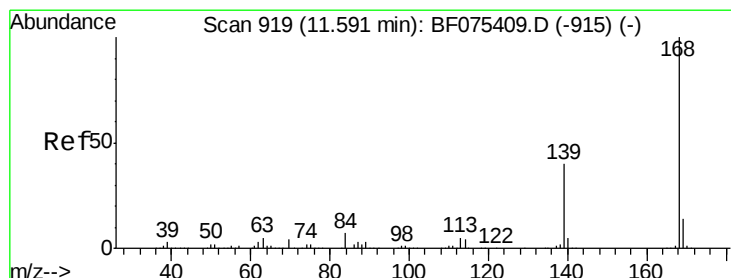
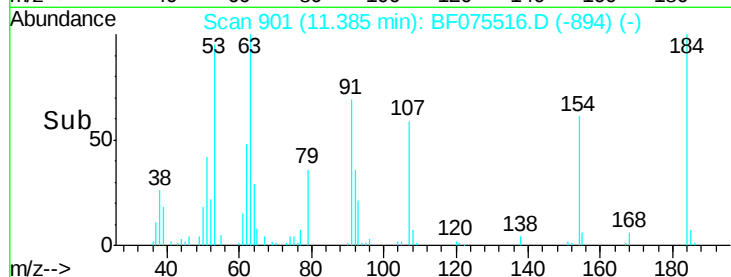
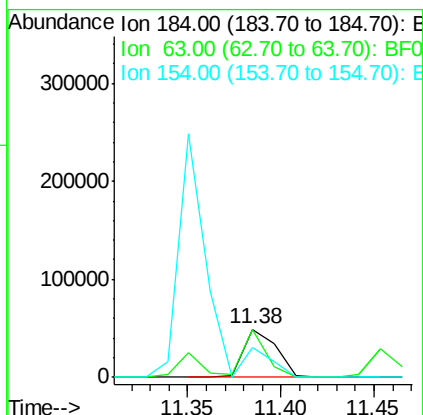
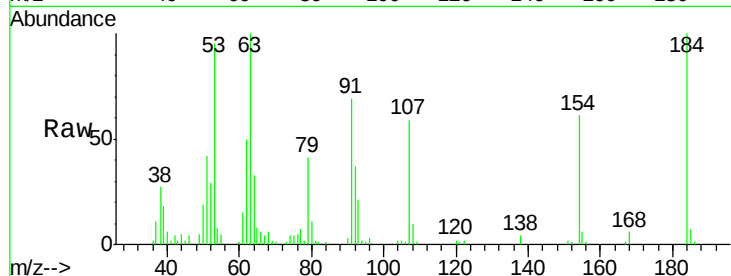
#53  
2,4-Dinitrophenol  
Concen: 77.40 ng  
RT: 11.38 min Scan# 901  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 184     | 100   | 59268 |       |       |
| 63      | 99.6  | 96.3  | 144.5 |       |
| 154     | 61.2  | 56.2  | 84.4  |       |

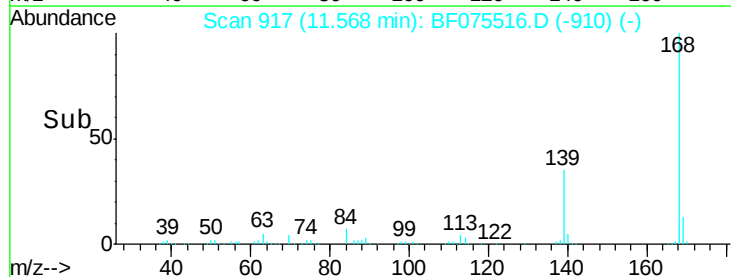
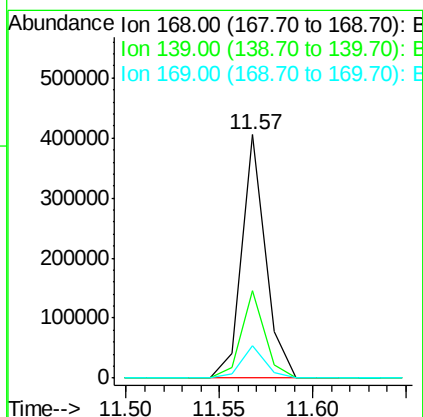
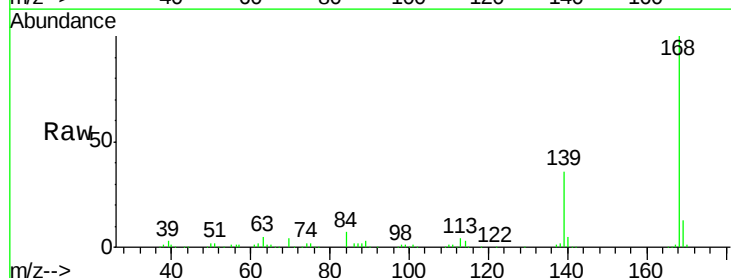
Manual Integrations  
APPROVED

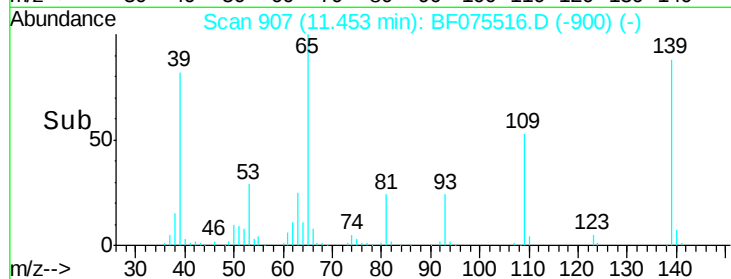
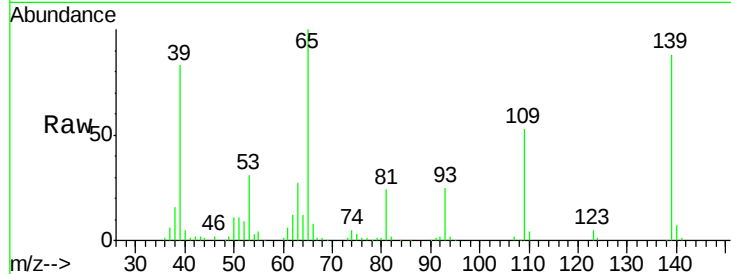
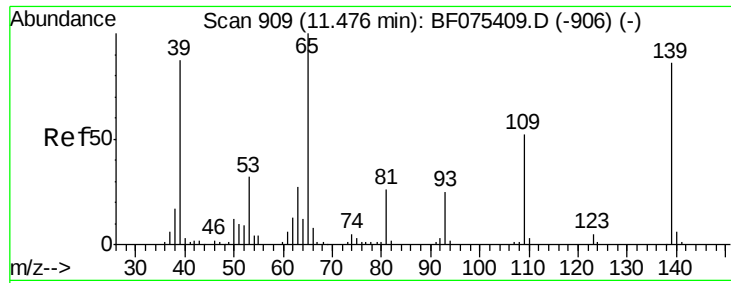
mohammad  
11/17/2014 7:35:09 PM



#54  
Dibenzofuran  
Concen: 46.53 ng  
RT: 11.57 min Scan# 917  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 359396 |       |       |
| 139     | 35.8  | 33.0   | 49.4  |       |
| 169     | 13.5  | 10.8   | 16.2  |       |





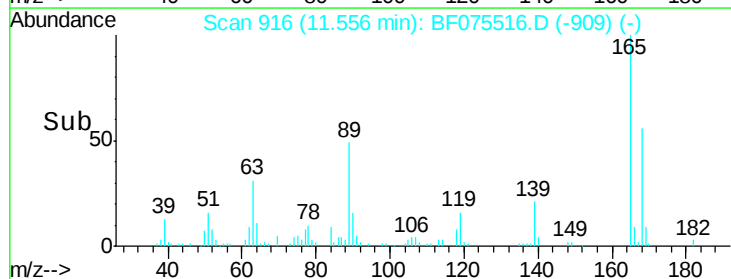
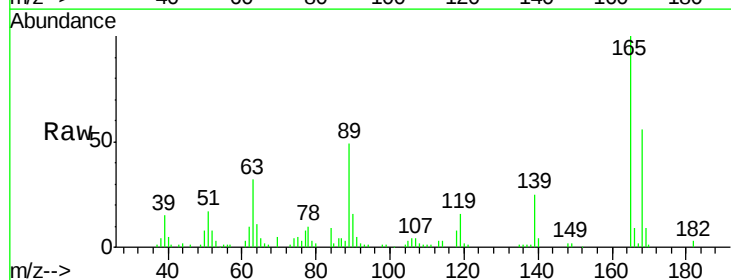
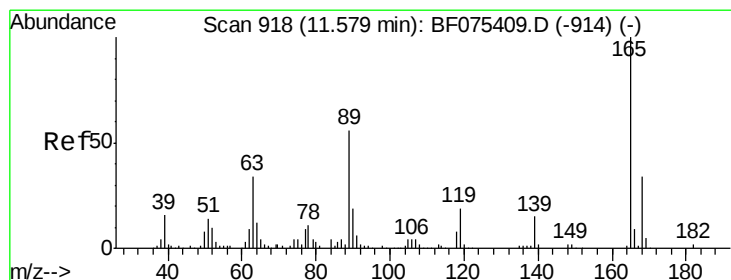
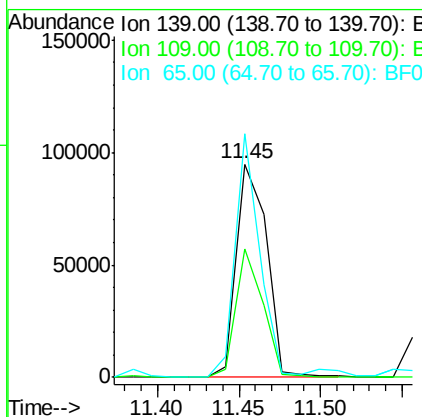
#55  
4-Nitrophenol  
Concen: 93.28 ng  
RT: 11.45 min Scan# 907  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 121896 |       |       |
| 109     | 60.3  | 45.8   | 85.8  |       |
| 65      | 114.2 | 94.8   | 134.8 |       |

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

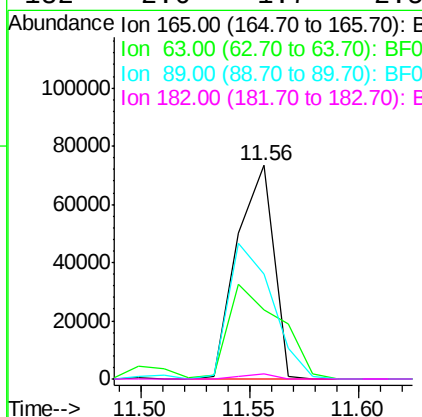
Manual Integrations  
APPROVED

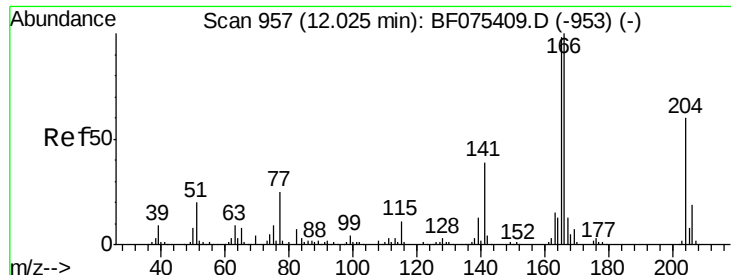
mohammad  
11/17/2014 7:35:09 PM



#56  
2,4-Dinitrotoluene  
Concen: 47.01 ng  
RT: 11.56 min Scan# 916  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 85621 |       |       |
| 63      | 32.2  | 27.0  | 40.6  |       |
| 89      | 49.2  | 47.8  | 71.6  |       |
| 182     | 2.6   | 1.7   | 2.5#  |       |





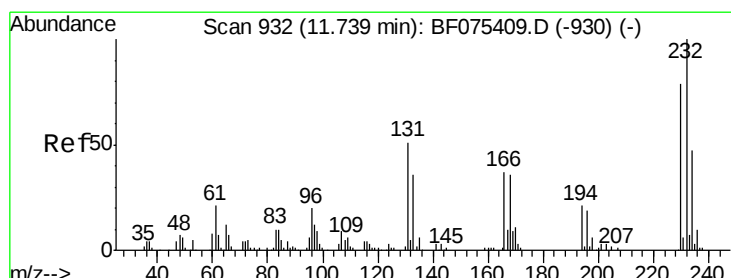
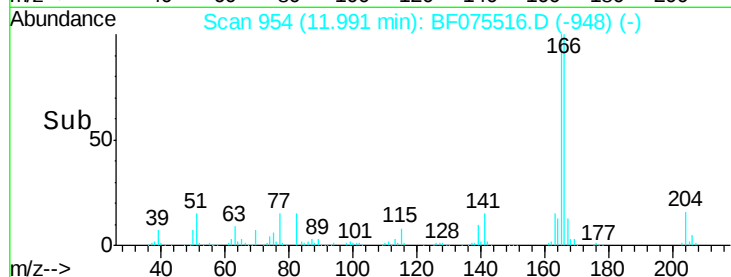
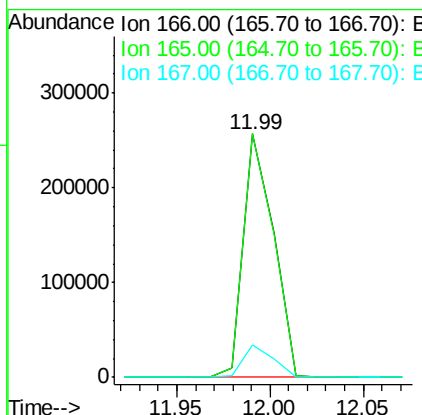
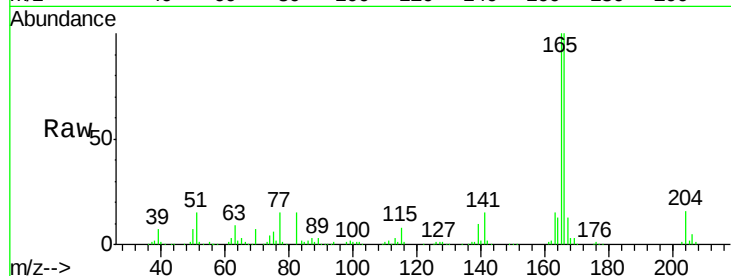
#57  
**Fluorene**  
 Concen: 46.06 ng  
 RT: 11.99 min Scan# 954  
 Delta R.T. -0.03 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80204BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 287706 |       |       |
| 165     | 99.9  | 78.8   | 118.2 |       |
| 167     | 13.3  | 10.6   | 15.8  |       |

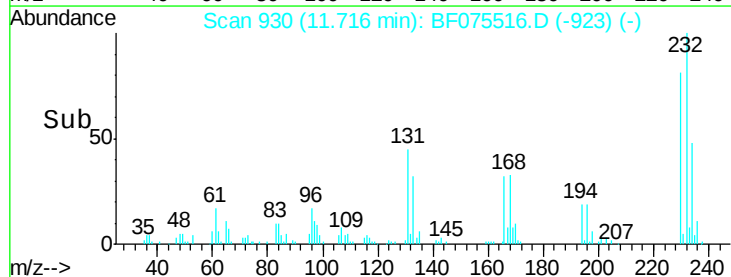
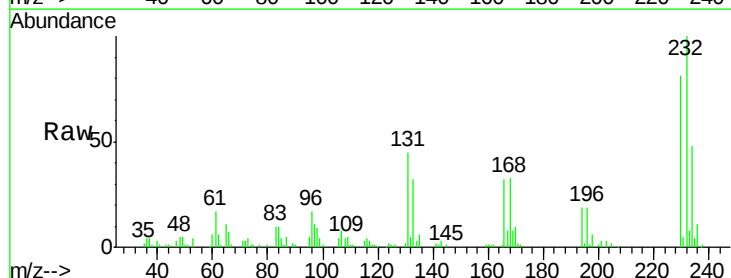
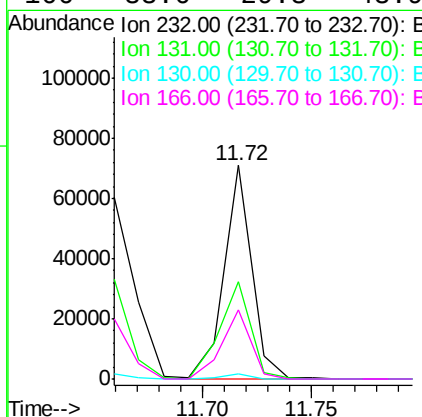
Manual Integrations  
 APPROVED

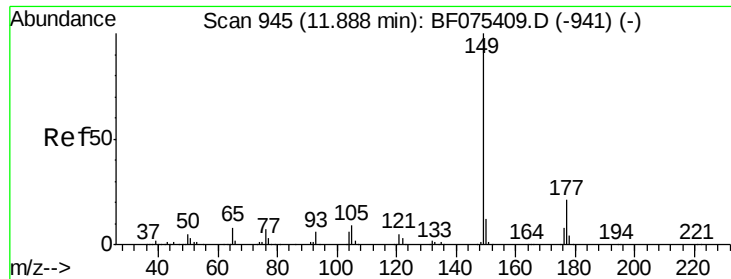
mohammad  
 11/17/2014 7:35:09 PM



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 45.28 ng  
 RT: 11.72 min Scan# 930  
 Delta R.T. -0.02 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 232     | 100   | 62997 |       |       |
| 131     | 50.6  | 44.6  | 67.0  |       |
| 130     | 2.3   | 2.5   | 3.7#  |       |
| 166     | 33.6  | 29.3  | 43.9  |       |





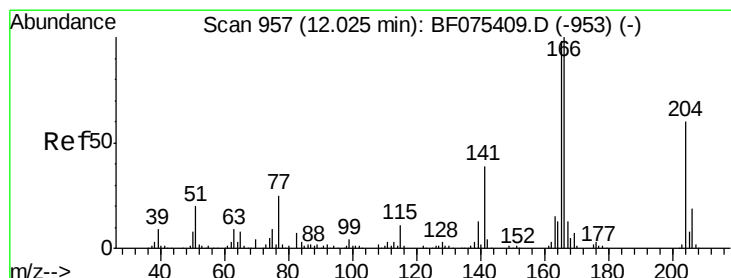
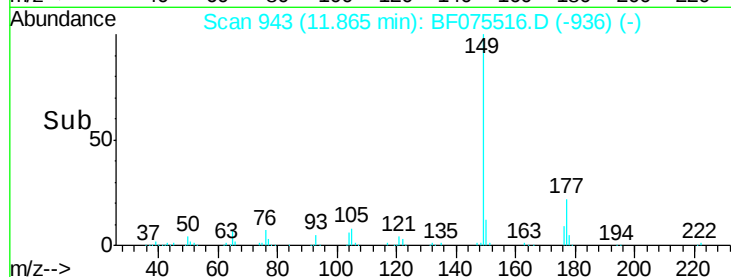
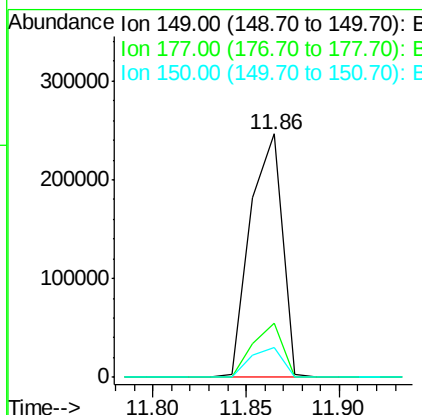
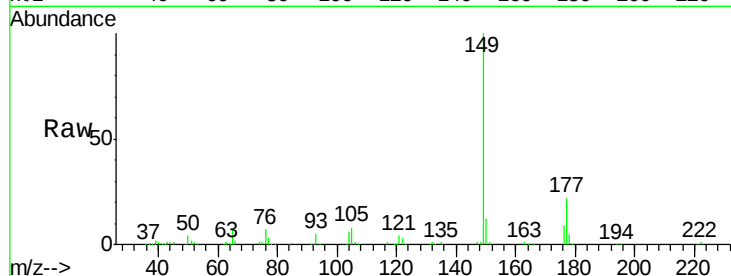
#59  
Diethylphthalate  
Concen: 40.76 ng  
RT: 11.86 min Scan# 943  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 177     | 22.3  | 15.8       | 23.8  |
| 150     | 12.3  | 9.9        | 14.9  |

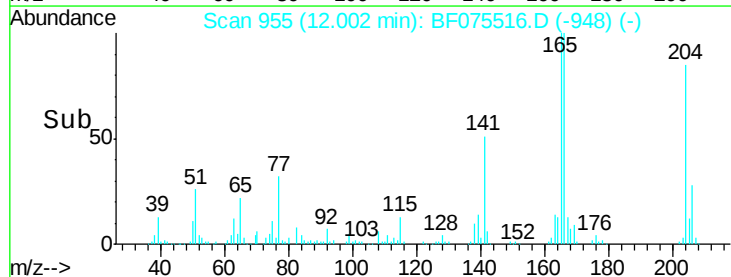
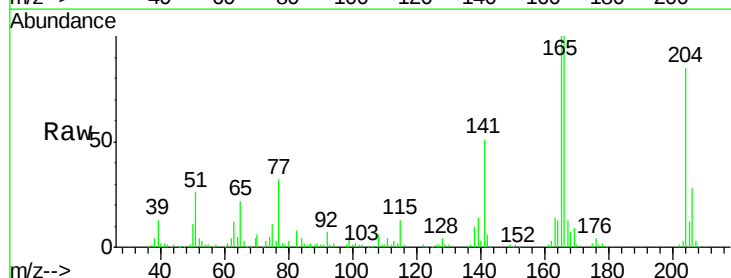
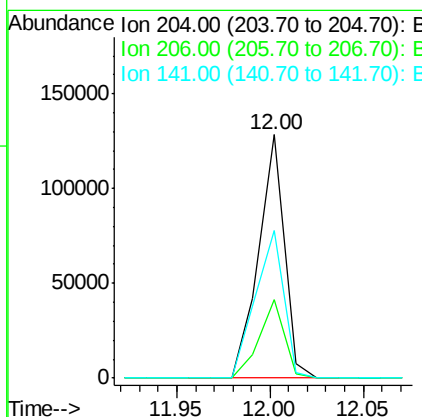
Manual Integrations  
APPROVED

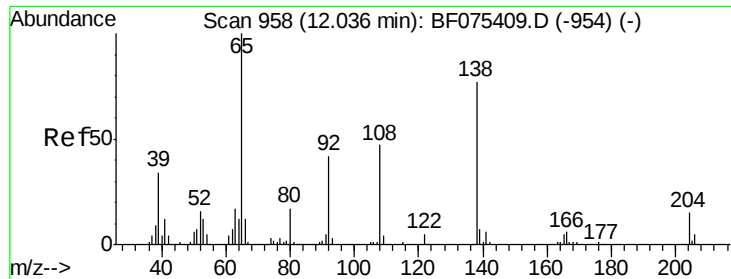
mohammad  
11/17/2014 7:35:09 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 45.64 ng  
RT: 12.00 min Scan# 955  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 204     | 100   |            |       |
| 206     | 32.4  | 25.1       | 37.7  |
| 141     | 60.8  | 58.6       | 87.8  |





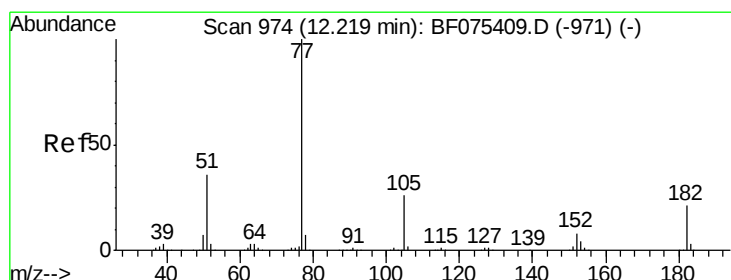
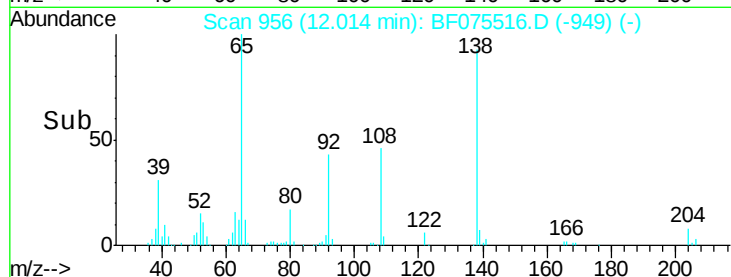
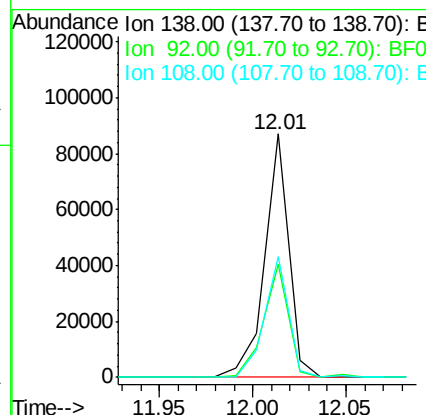
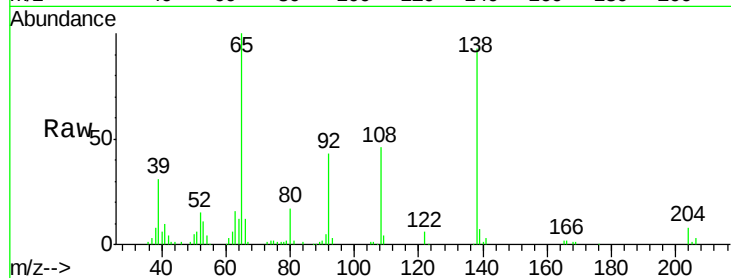
#61  
4-Nitroaniline  
Concen: 47.09 ng  
RT: 12.01 min Scan# 956  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 138     | 100   |            |       |
| 92      | 46.3  | 34.8       | 74.8  |
| 108     | 49.8  | 50.6       | 90.6  |

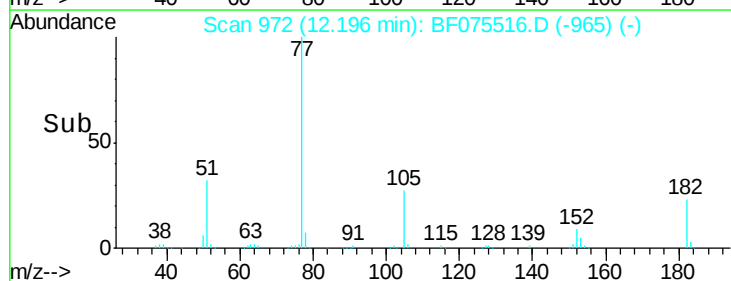
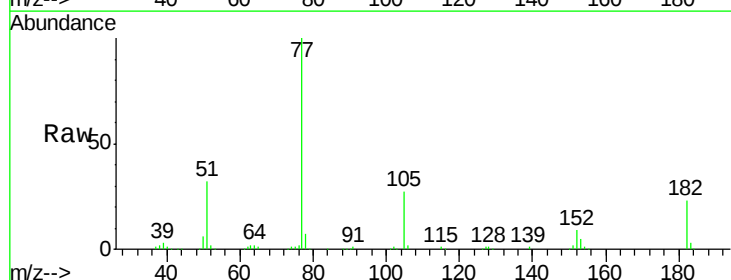
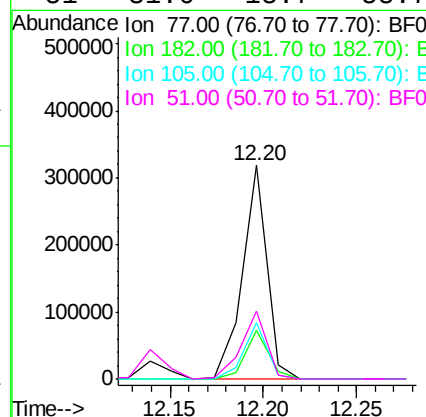
Manual Integrations  
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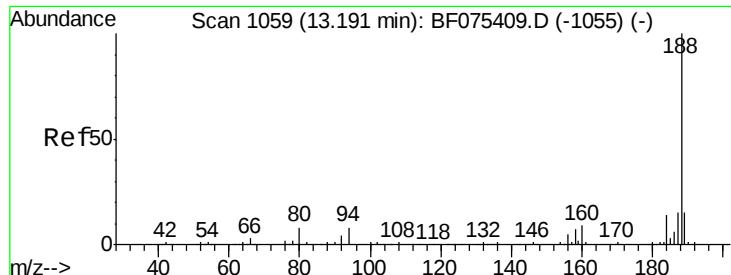
mohammad  
11/17/2014 7:35:09 PM



#62  
Azobenzene  
Concen: 45.48 ng  
RT: 12.20 min Scan# 972  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 77      | 100   |            |       |
| 182     | 22.7  | 0.0        | 37.1  |
| 105     | 26.5  | 3.7        | 43.7  |
| 51      | 31.6  | 18.7       | 58.7  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 13.16 min Scan# 1056

Delta R.T. -0.03 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

ClientSampleId :

PB80204BS

Tot Ion:188 Resp: 162147  
Ion Ratio Lower Upper

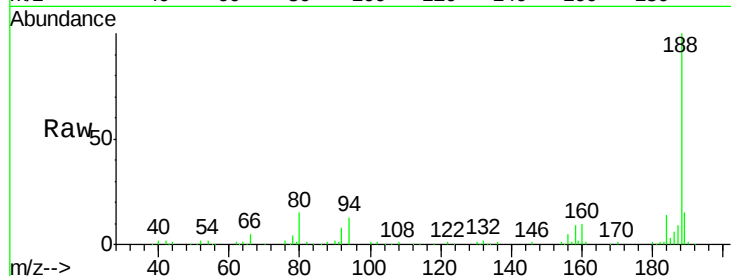
188 100

94 13.5 7.8 11.6#

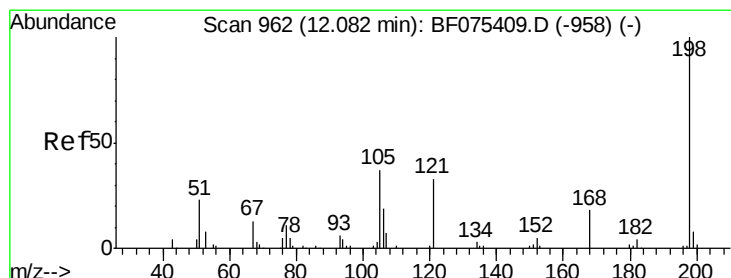
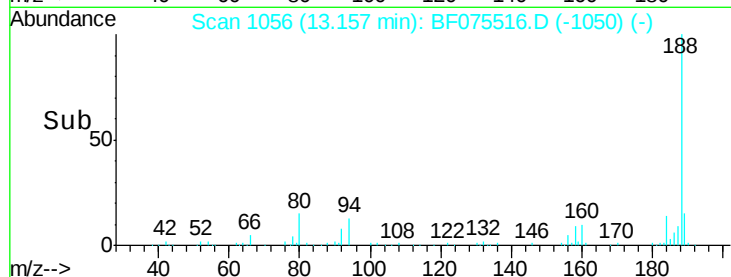
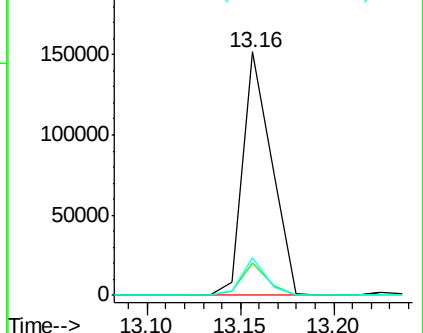
80 15.2 8.0 12.0#

Manual Integrations  
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Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 44.52 ng

RT: 12.05 min Scan# 959

Delta R.T. -0.03 min

Lab File: BF075516.D

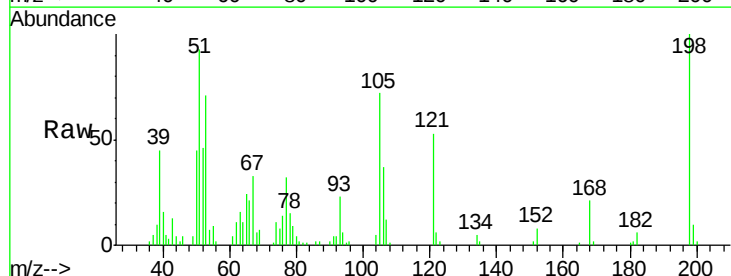
Acq: 15 Nov 2014 1:45

Tgt Ion:198 Resp: 36510  
Ion Ratio Lower Upper

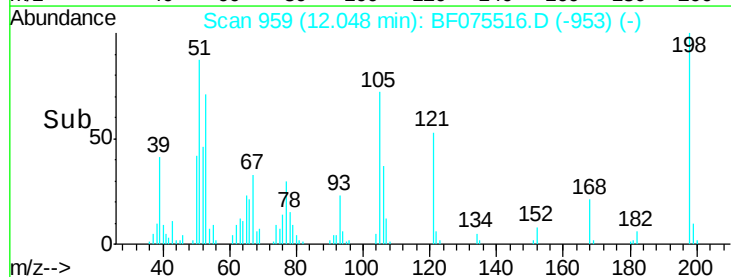
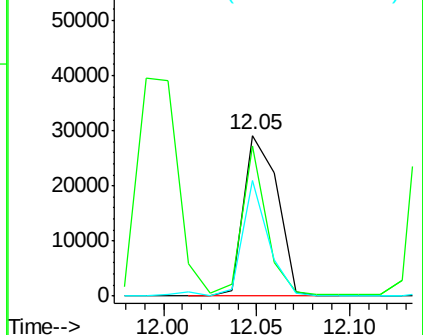
198 100

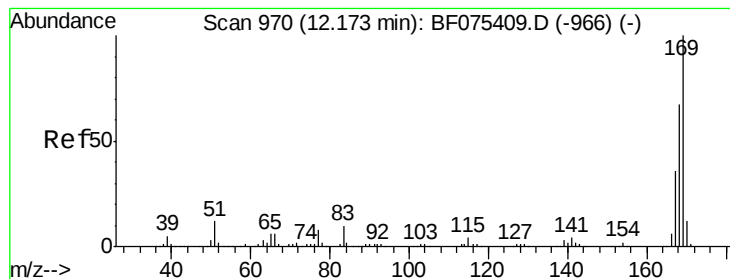
51 92.9 26.0 66.0#

105 71.8 24.2 64.2#



Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 105.00 (104.70 to 105.70): E





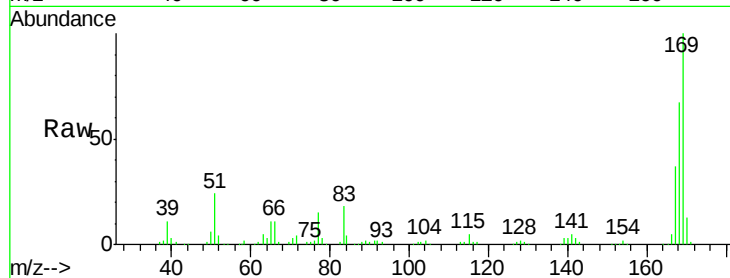
#65  
 n-Nitrosodiphenylamine  
 Concen: 46.53 ng  
 RT: 12.14 min Scan# 967  
 Delta R.T. -0.03 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80204BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 238642 |       |       |
| 168     | 66.6  | 53.5   | 80.3  |       |
| 167     | 36.7  | 29.8   | 44.6  |       |

Manual Integrations  
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 11/17/2014 7:35:09 PM

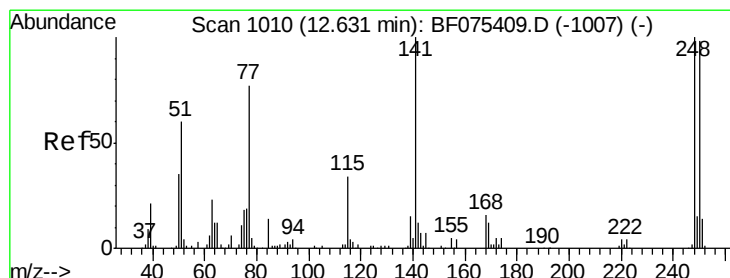
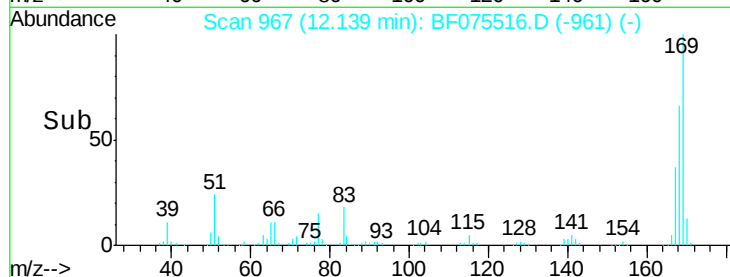
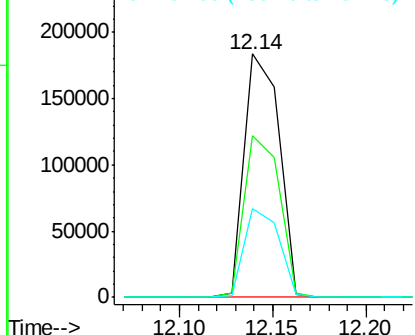


Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66  
 4-Bromophenyl-phenylether  
 Concen: 47.41 ng  
 RT: 12.61 min Scan# 1008  
 Delta R.T. -0.03 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

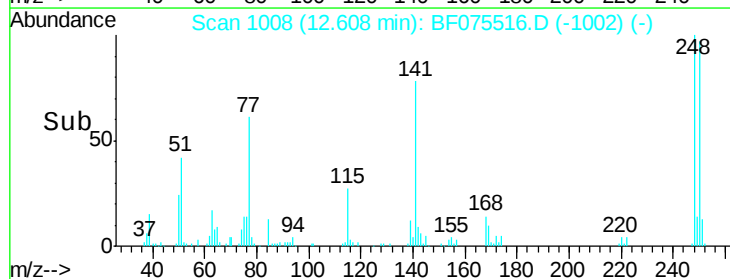
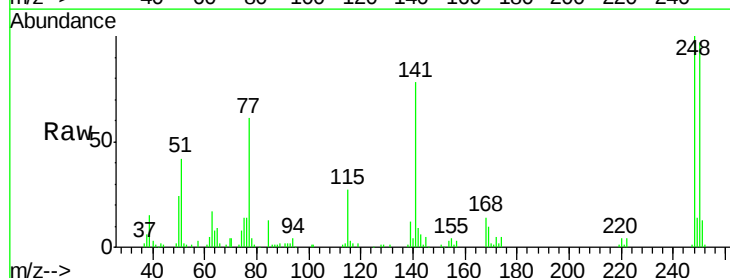
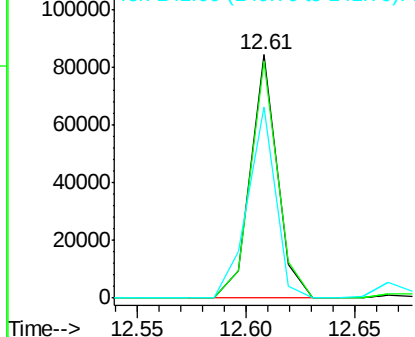
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 248     | 100   | 72322 |       |       |
| 250     | 97.3  | 76.3  | 114.5 |       |
| 141     | 78.4  | 44.3  | 66.5  |       |

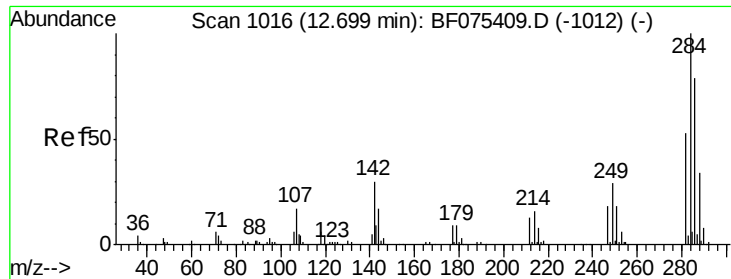
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





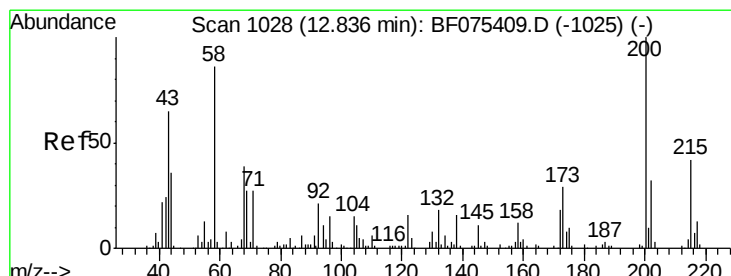
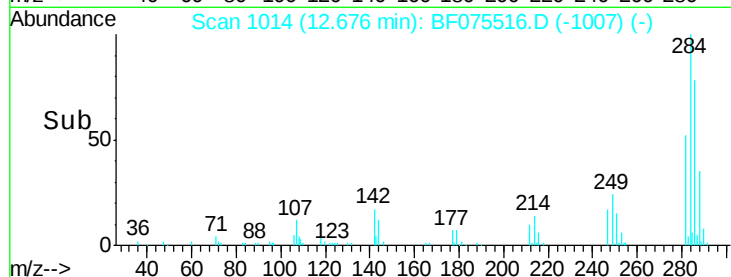
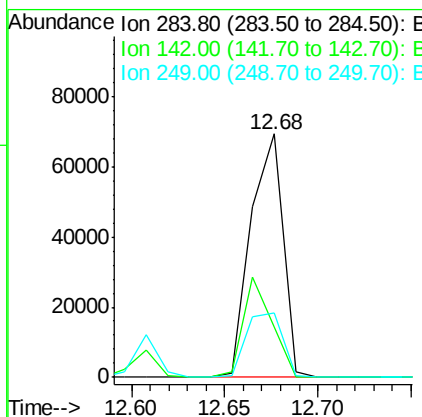
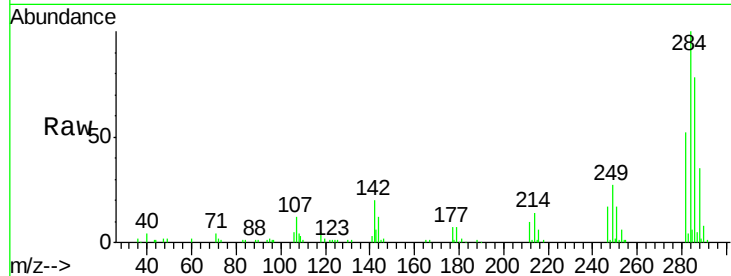
#67  
Hexachlorobenzene  
Concen: 47.74 ng  
RT: 12.68 min Scan# 1014  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 284     | 100   | 82704 |       |       |
| 142     | 20.4  |       | 28.7  | 43.1# |
| 249     | 26.7  |       | 24.1  | 36.1  |

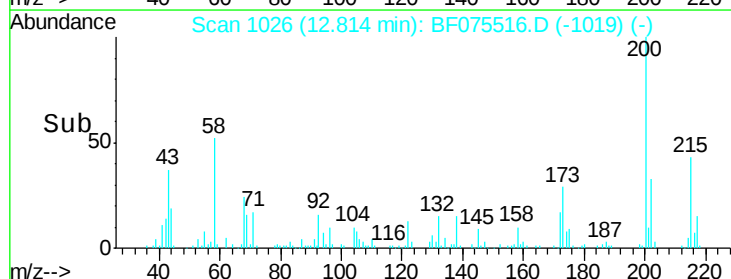
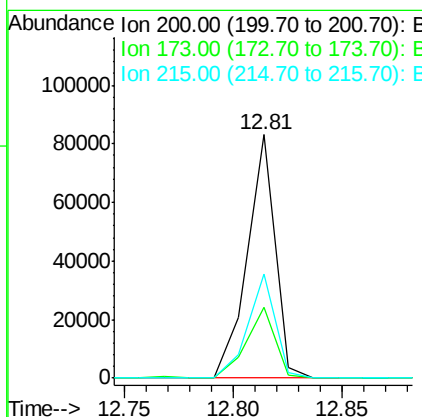
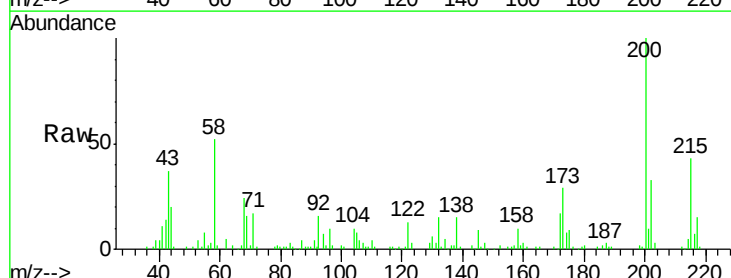
Manual Integrations  
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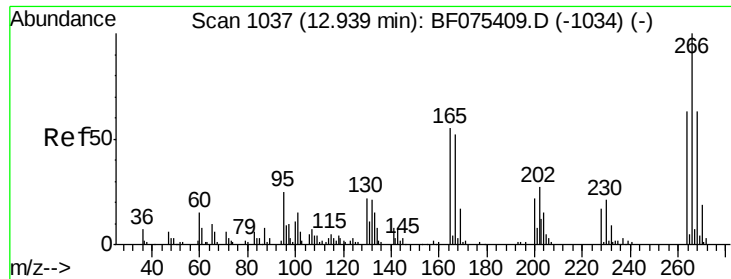
mohammad  
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#68  
Atrazine  
Concen: 46.25 ng  
RT: 12.81 min Scan# 1026  
Delta R.T. -0.02 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 200     | 100   | 73602 |       |       |
| 173     | 29.0  |       | 12.3  | 52.3  |
| 215     | 42.9  |       | 23.8  | 63.8  |





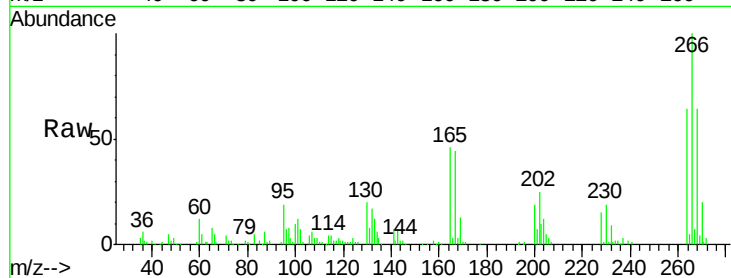
#69  
 Pentachlorophenol  
 Concen: 89.35 ng  
 RT: 12.92 min Scan# 1035  
 Delta R.T. -0.03 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80204BS

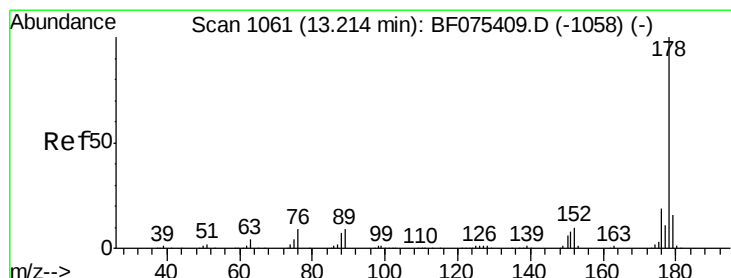
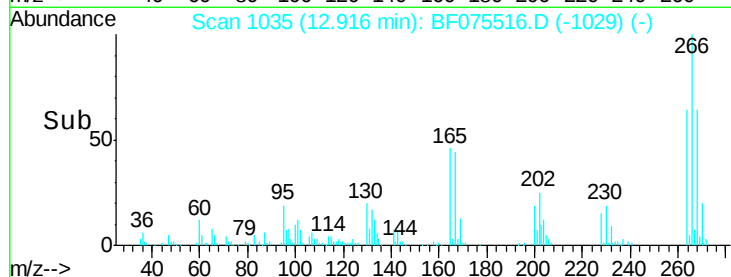
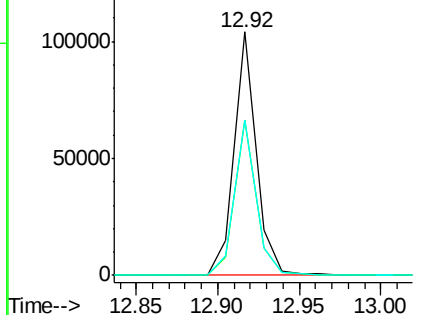
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 63.8  | 48.6       | 73.0  |
| 264     | 64.0  | 52.1       | 78.1  |

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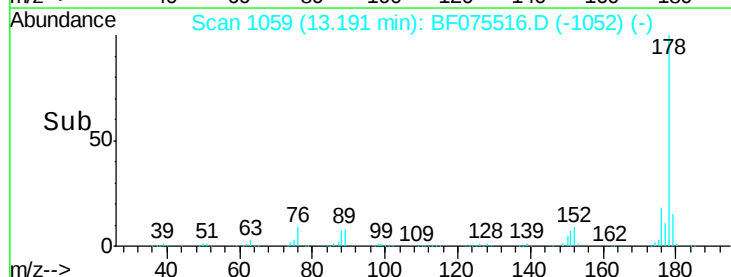
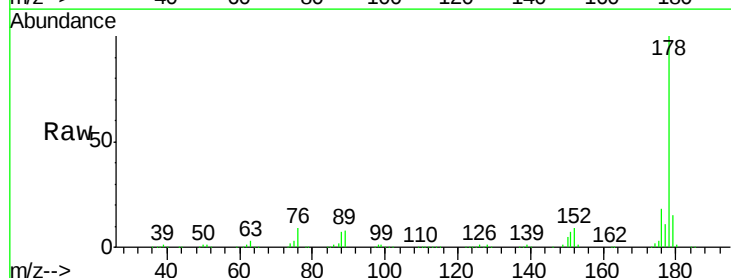
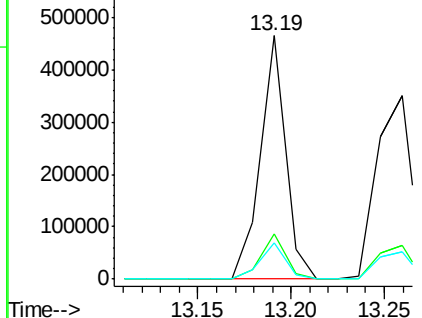
Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

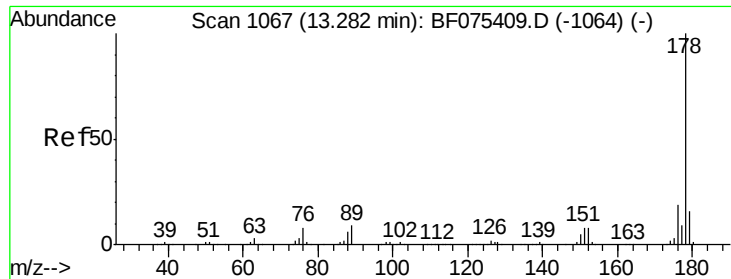


#70  
 Phenanthrene  
 Concen: 50.83 ng  
 RT: 13.19 min Scan# 1059  
 Delta R.T. -0.02 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 178     | 100   |            |       |
| 176     | 18.4  | 15.3       | 22.9  |
| 179     | 14.7  | 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





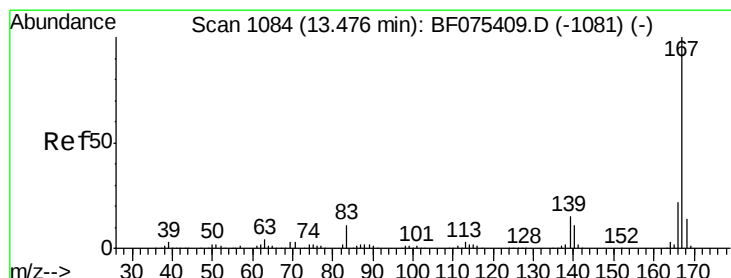
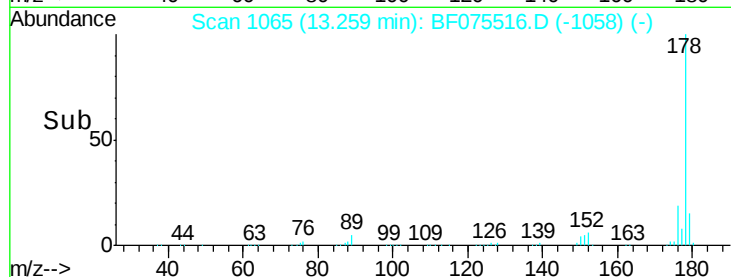
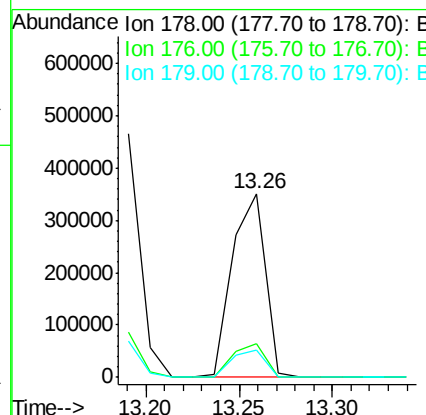
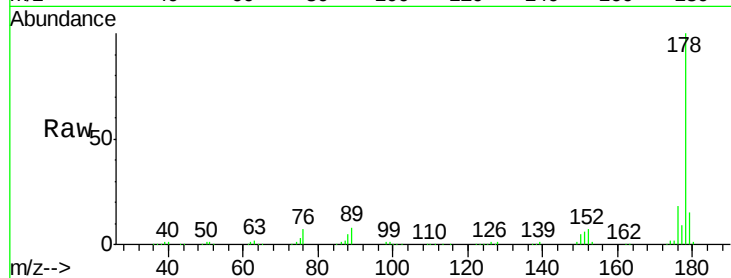
#71  
 Anthracene  
 Concen: 49.92 ng  
 RT: 13.26 min Scan# 1065  
 Delta R.T. -0.02 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80204BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.4  | 15.1  | 22.7  |
| 179     | 15.2  | 12.2  | 18.2  |

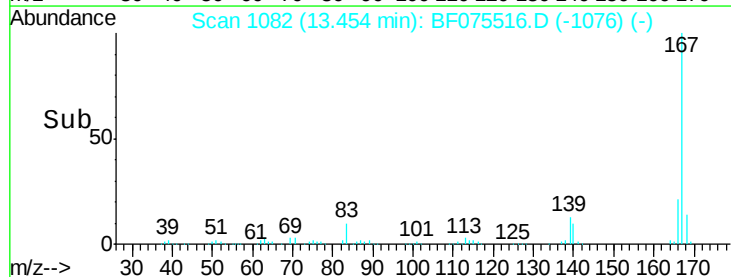
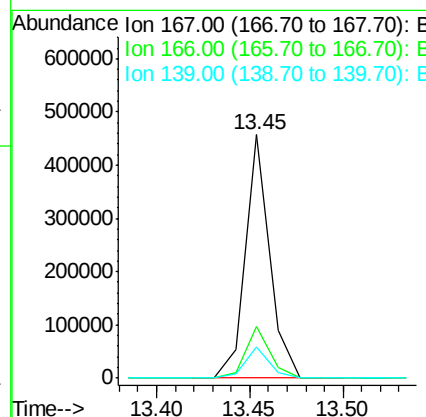
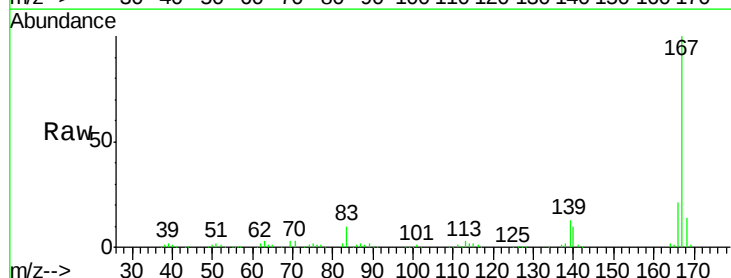
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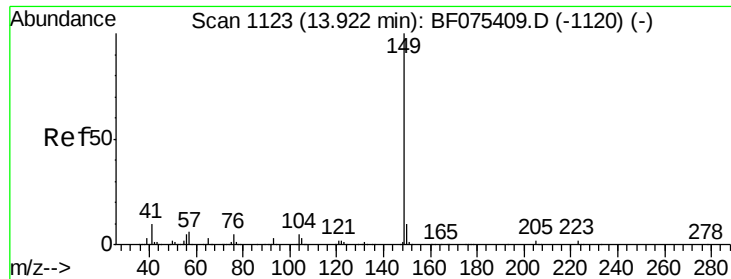
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#72  
 Carbazole  
 Concen: 47.82 ng  
 RT: 13.45 min Scan# 1082  
 Delta R.T. -0.03 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 20.9  | 17.4  | 26.0  |
| 139     | 12.6  | 10.1  | 15.1  |





#73

Di-n-butylphthalate

Concen: 41.64 ng

RT: 13.90 min Scan# 1121

Delta R.T. -0.02 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

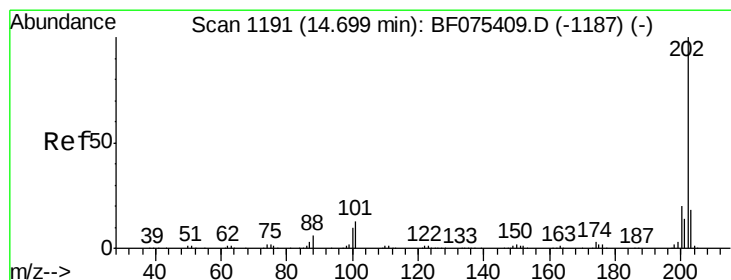
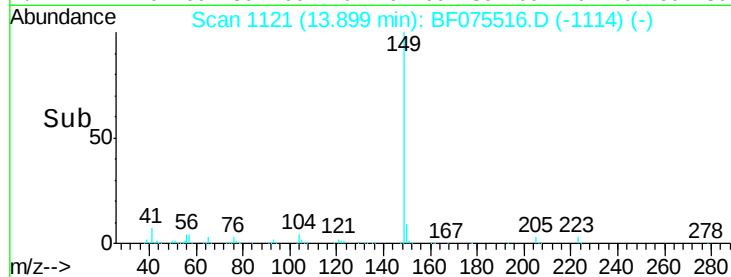
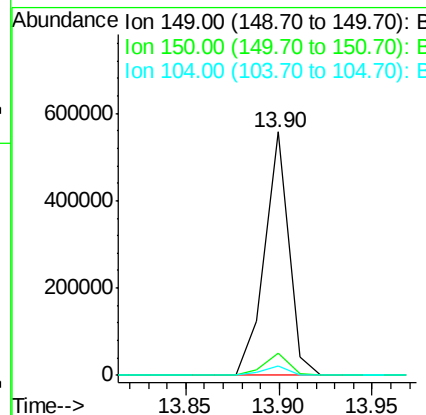
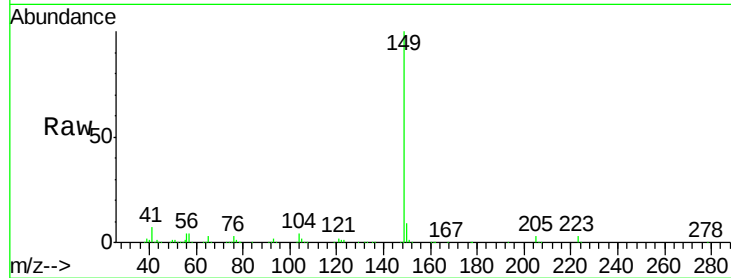
ClientSampleId :

PB80204BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 496421 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.1   | 7.3   | 10.9   |
| 104       | 4.1   | 3.1   | 4.7    |

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#74

Fluoranthene

Concen: 49.02 ng

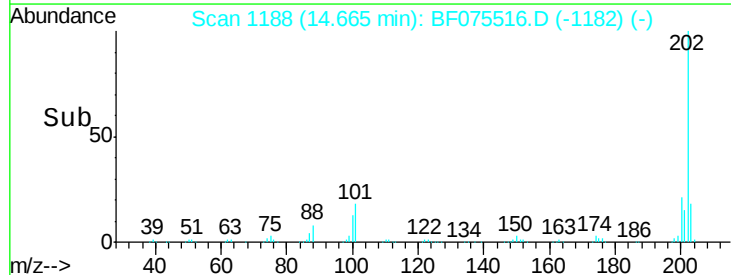
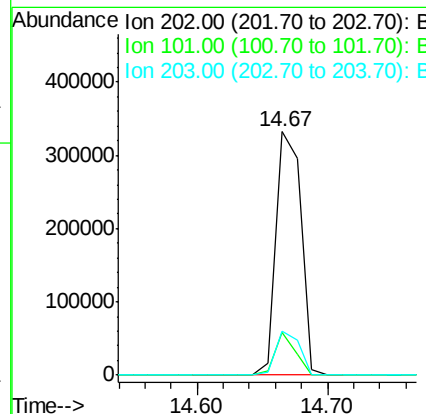
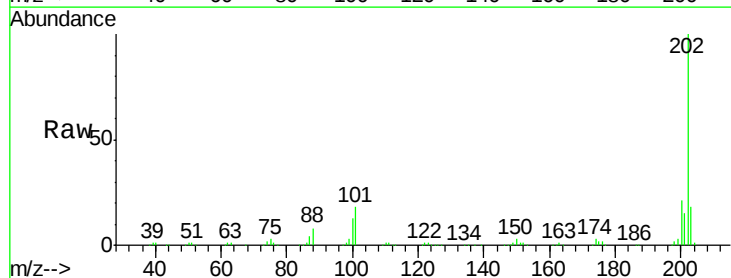
RT: 14.67 min Scan# 1188

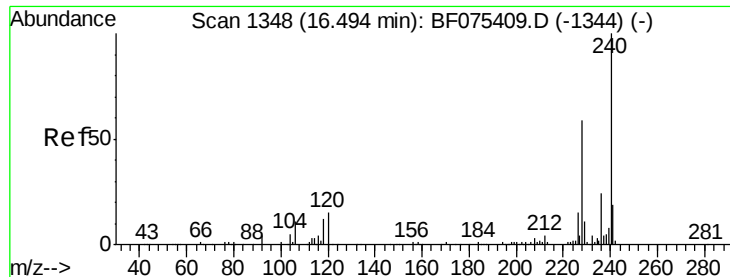
Delta R.T. -0.03 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 448022 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 17.7  | 0.0   | 36.6   |
| 203       | 18.1  | 0.0   | 38.2   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.46 min Scan# 1345

Delta R.T. -0.08 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

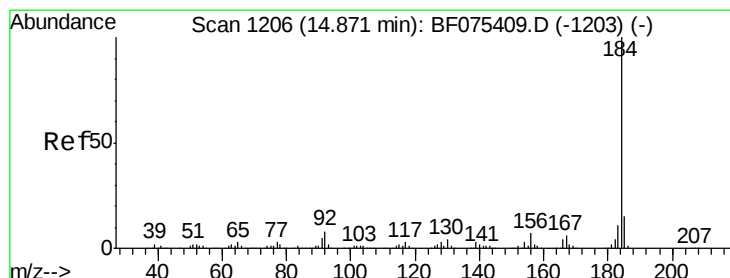
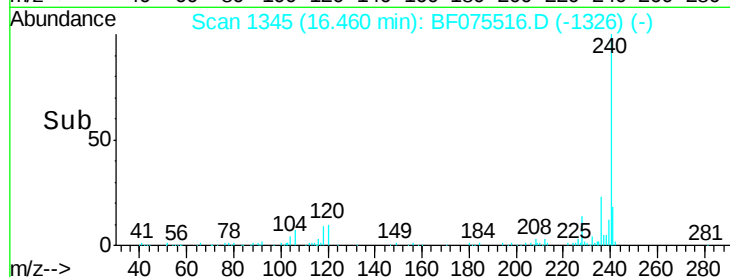
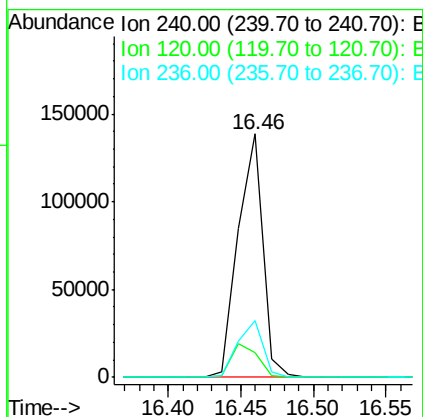
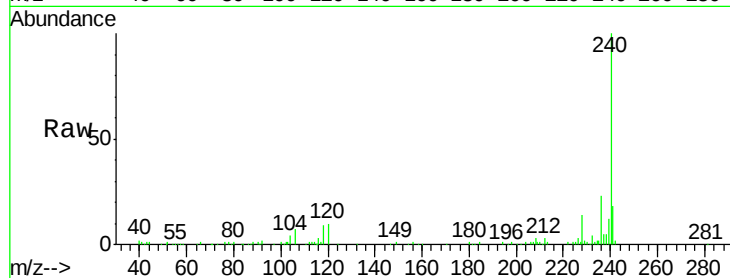
ClientSampleId :

PB80204BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 164188 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 10.0  | 9.6   | 14.4   |
| 236       | 23.2  | 18.9  | 28.3   |

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#76

Benzidine

Concen: 39.38 ng m

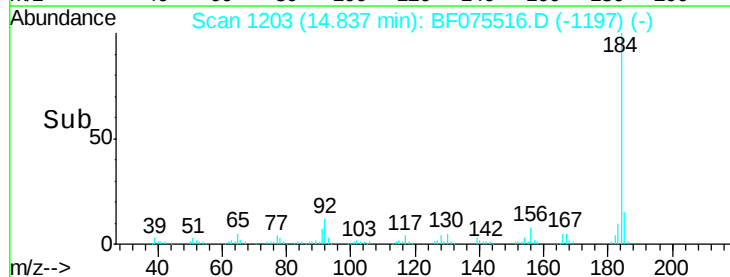
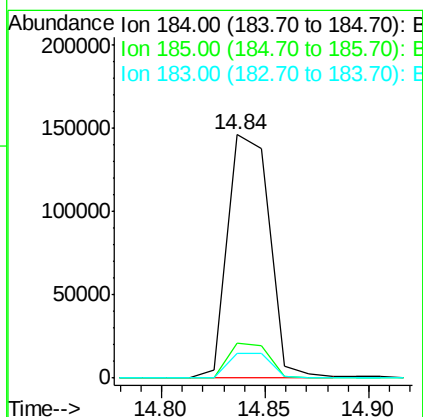
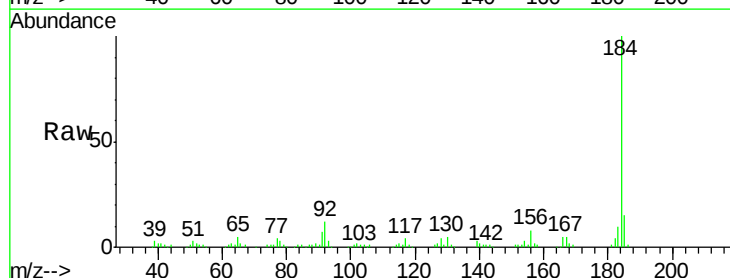
RT: 14.84 min Scan# 1203

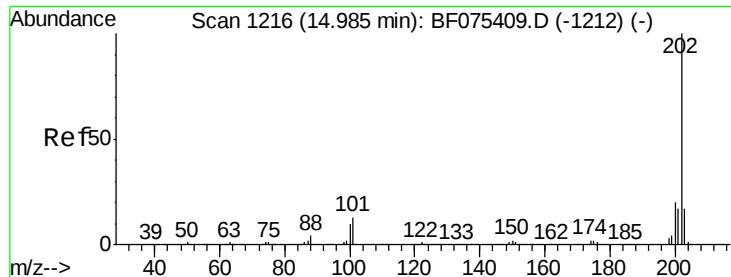
Delta R.T. -0.03 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 205579 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.5  | 10.9  | 16.3   |
| 183       | 10.3  | 8.7   | 13.1   |





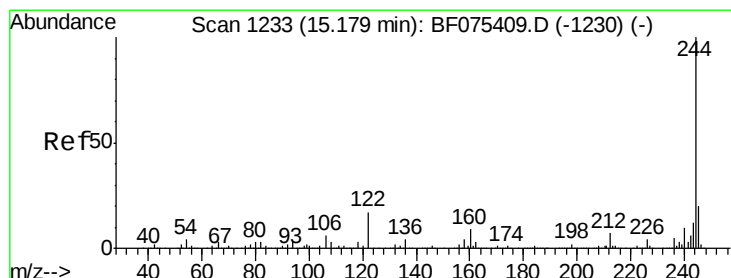
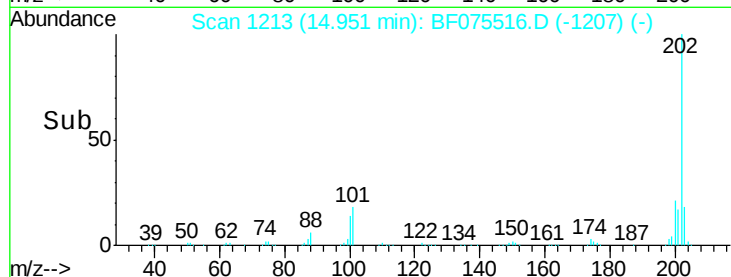
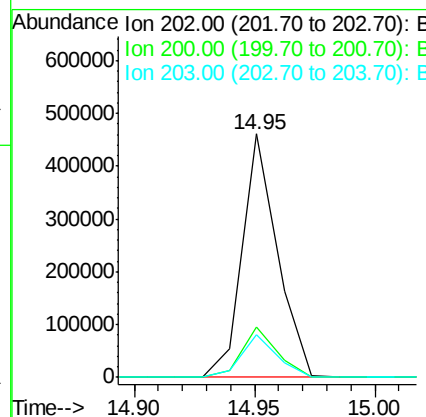
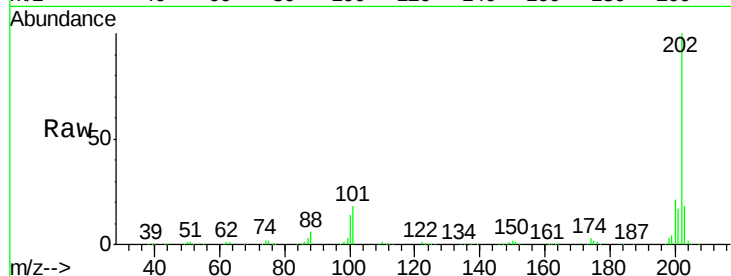
#77  
Pvrene  
Concen: 48.88 ng m  
RT: 14.95 min Scan# 1213  
Delta R.T. -0.03 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 20.5  | 16.8       | 25.2  |
| 203     | 17.6  | 14.3       | 21.5  |

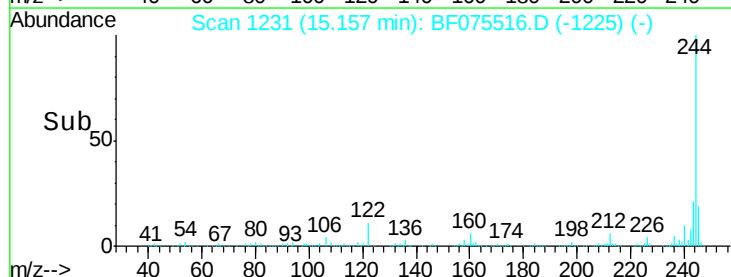
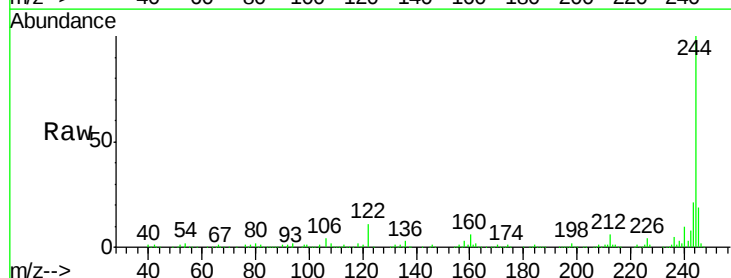
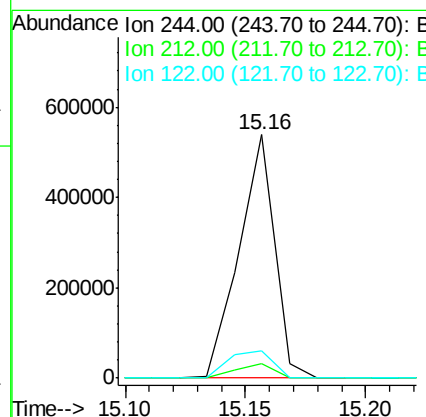
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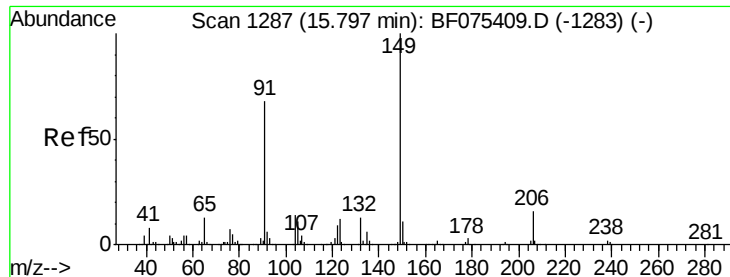
mohammad  
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#78  
Terphenyl-d14  
Concen: 91.31 ng m  
RT: 15.16 min Scan# 1231  
Delta R.T. -0.03 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 5.8   | 5.5        | 8.3   |
| 122     | 11.1  | 9.7        | 14.5  |





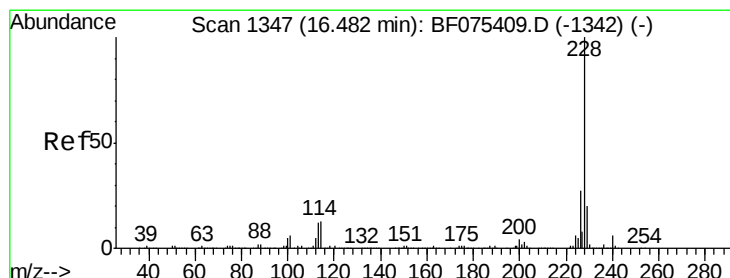
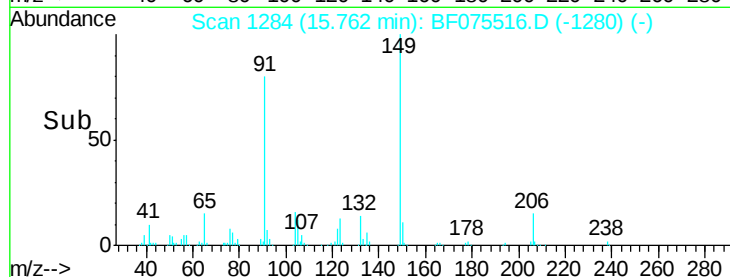
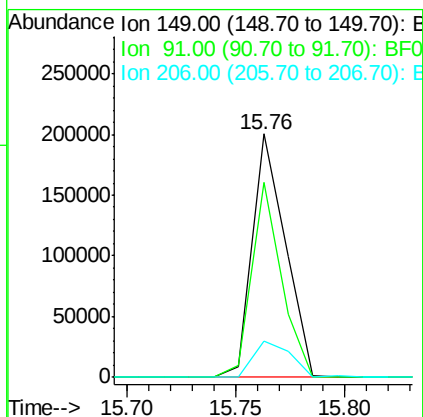
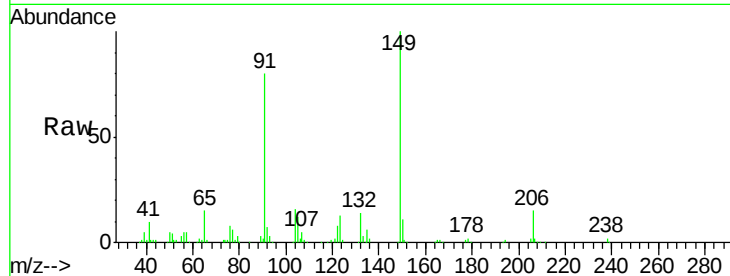
#79  
Butylbenzylphthalate  
Concen: 39.66 ng  
RT: 15.76 min Scan# 1284  
Delta R.T. -0.06 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampled :  
PB80204BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 212611 |       |       |
| 91      | 80.1  | 49.0   | 73.4# |       |
| 206     | 15.0  | 15.5   | 23.3# |       |

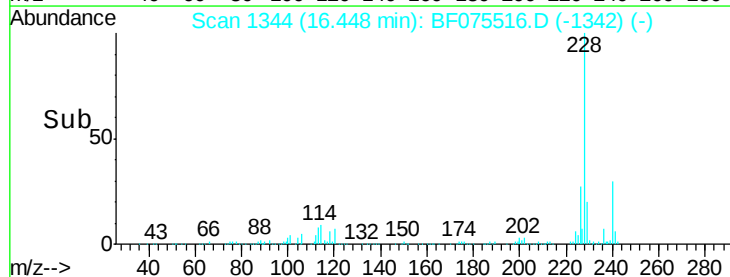
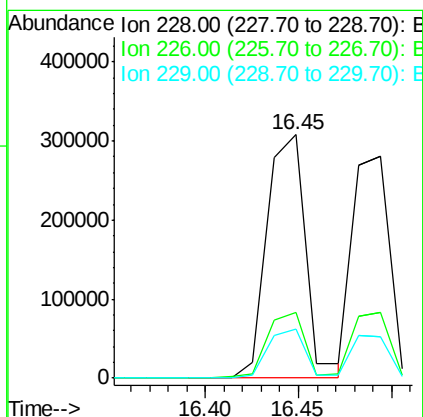
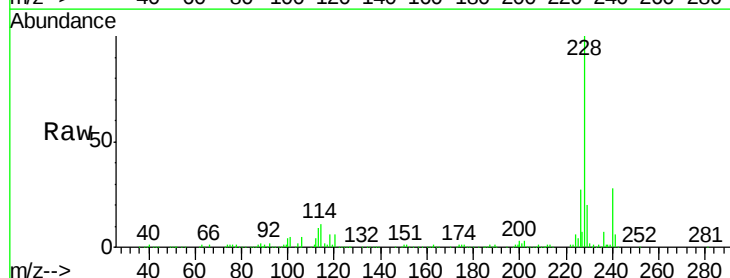
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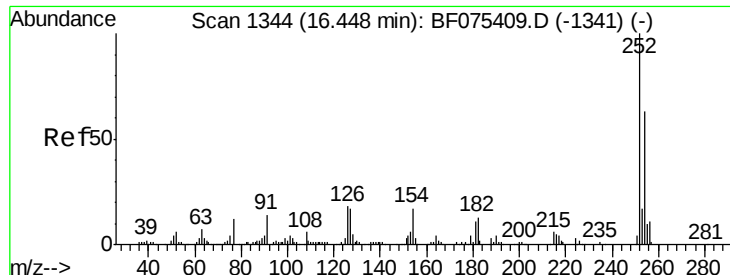
mohammad  
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#80  
Benzo(a)anthracene  
Concen: 51.18 ng  
RT: 16.45 min Scan# 1344  
Delta R.T. -0.08 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 441445 |       |       |
| 226     | 27.0  | 21.8   | 32.8  |       |
| 229     | 20.0  | 15.3   | 22.9  |       |





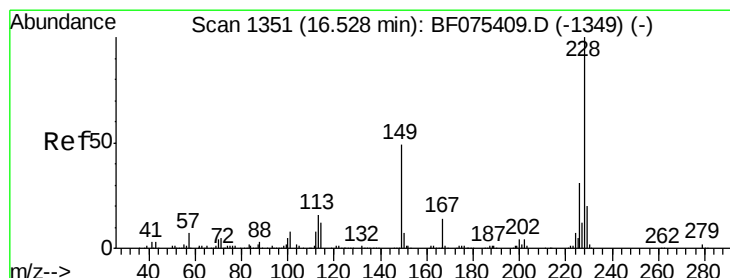
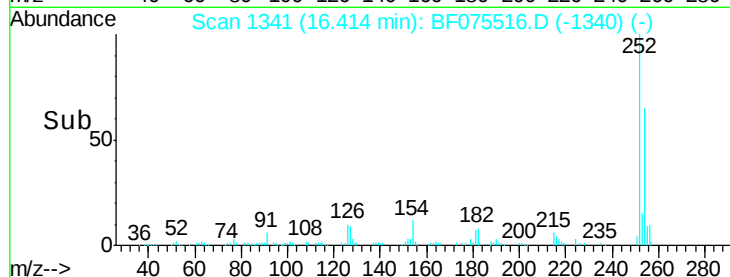
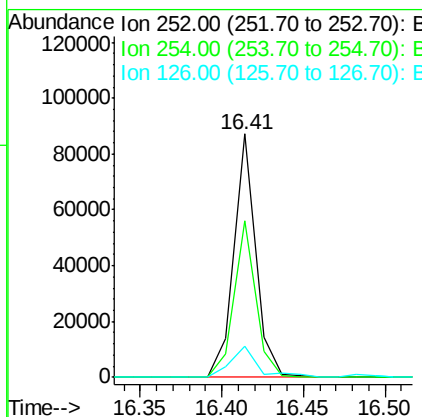
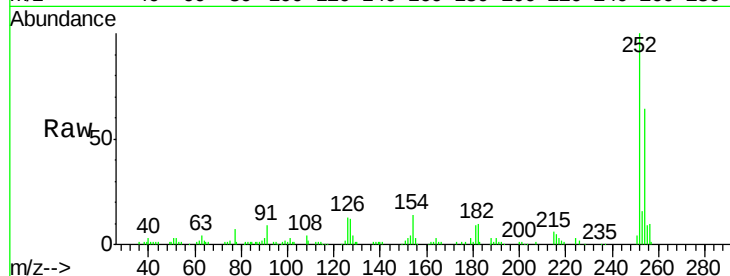
#81  
 3,3'-Dichlorobenzidine  
 Concen: 25.24 ng  
 RT: 16.41 min Scan# 1341  
 Delta R.T. -0.09 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80204BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.0  | 50.0  | 75.0  |
| 126     | 12.8  | 16.0  | 24.0  |

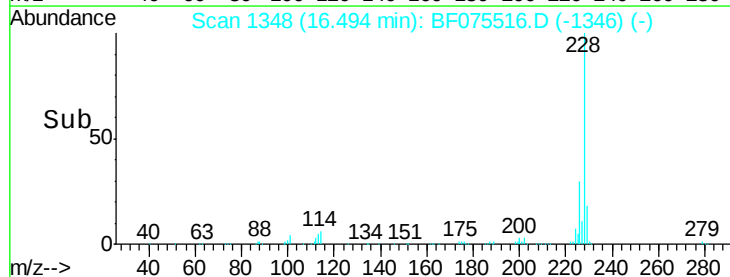
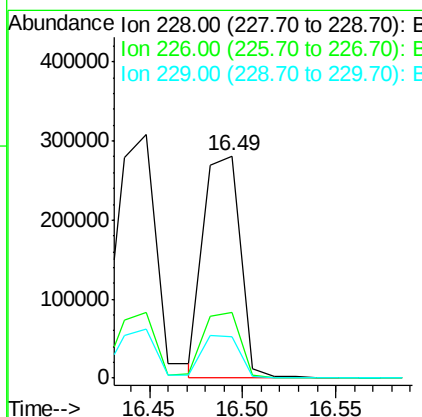
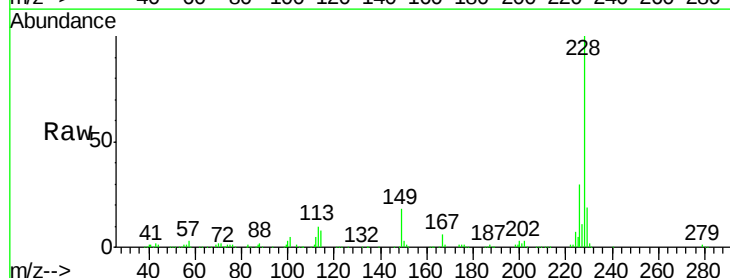
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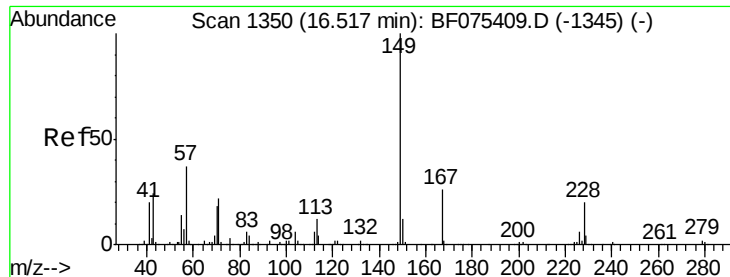
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#82  
 Chrysene  
 Concen: 51.89 ng  
 RT: 16.49 min Scan# 1348  
 Delta R.T. -0.08 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.7  | 23.8  | 35.6  |
| 229     | 18.8  | 15.8  | 23.6  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 37.56 ng

RT: 16.48 min Scan# 1347

Delta R.T. -0.09 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

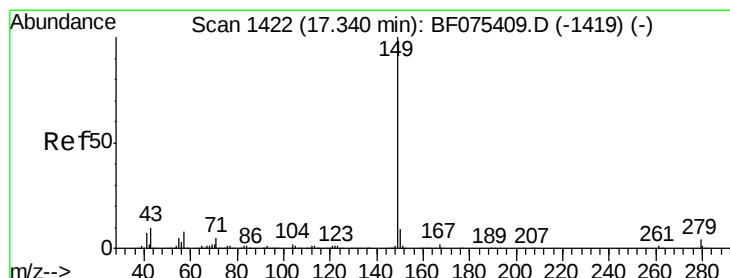
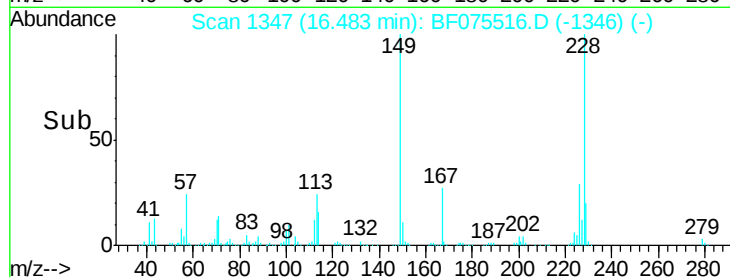
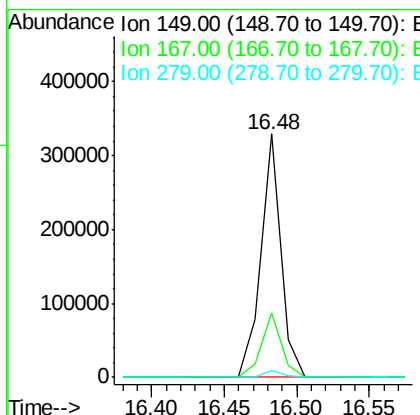
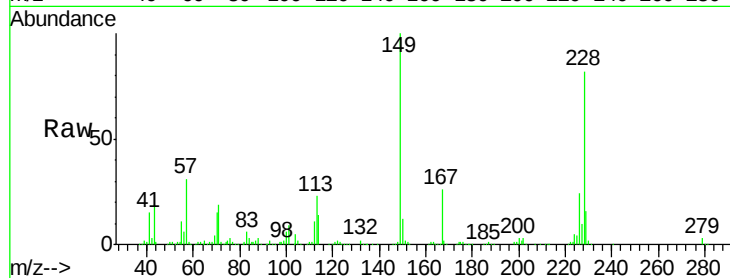
ClientSampleId :

PB80204BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 317152 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 26.4  | 21.4  | 32.2   |
| 279       | 2.8   | 2.8   | 4.2#   |

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#84

Di-n-octyl phthalate

Concen: 37.56 ng m

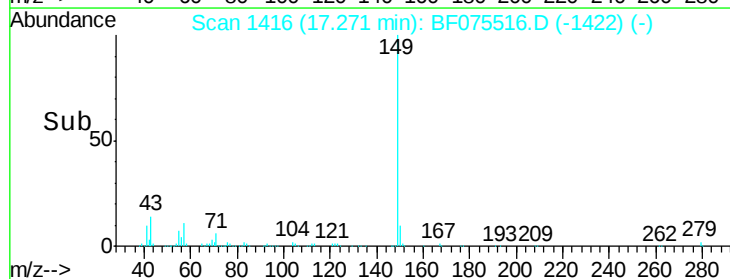
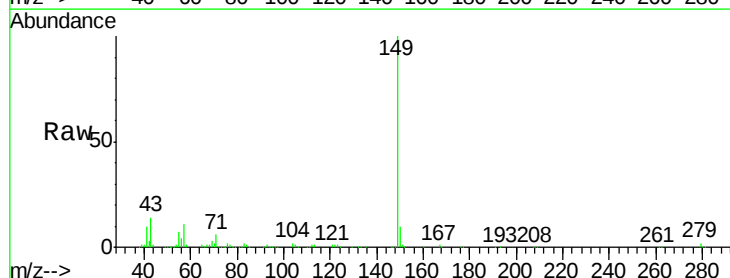
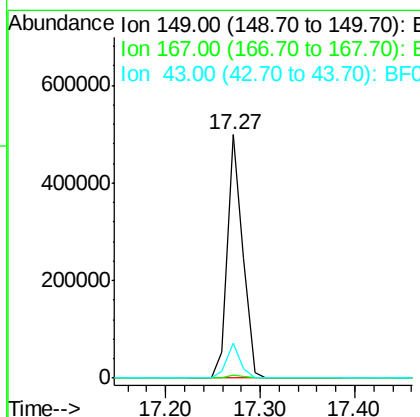
RT: 17.27 min Scan# 1416

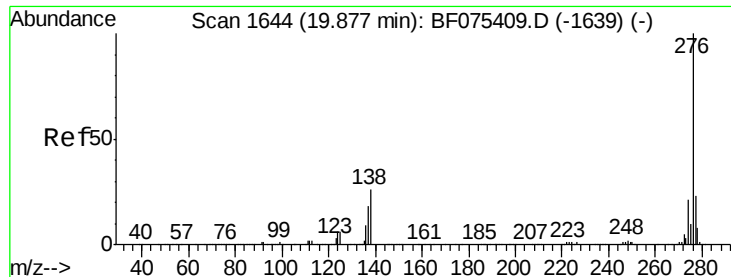
Delta R.T. -0.17 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 558371 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 0.0   | 1.1   | 1.7#   |
| 43        | 0.0   | 11.0  | 16.4#  |





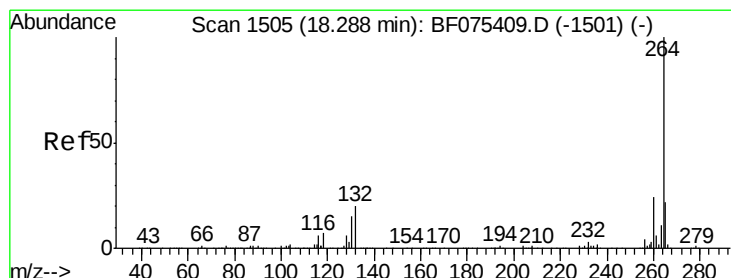
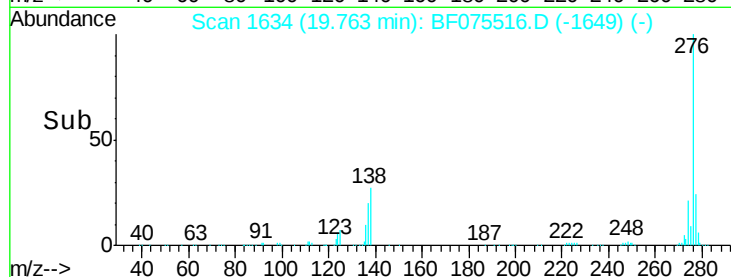
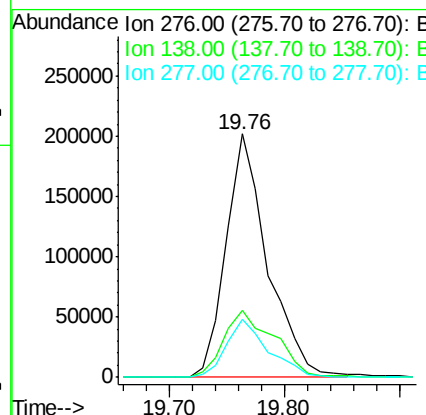
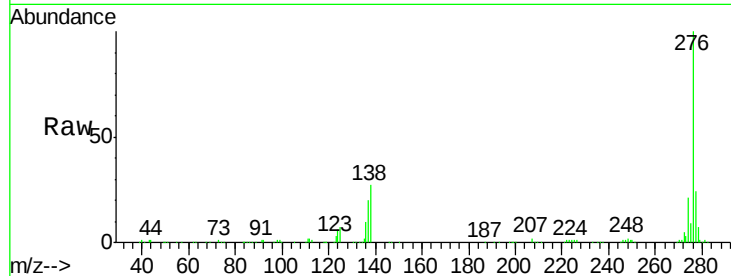
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 56.03 ng/ml  
RT: 19.76 min Scan# 1634  
Delta R.T. -0.27 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleID :  
PB80204BS

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

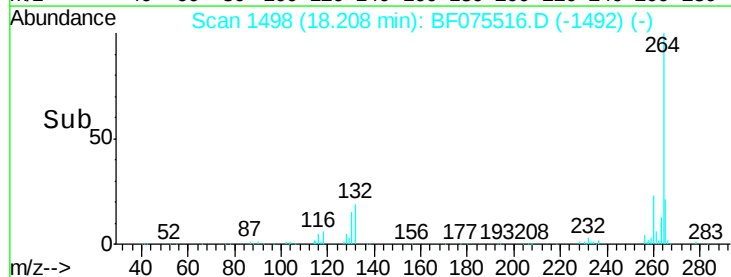
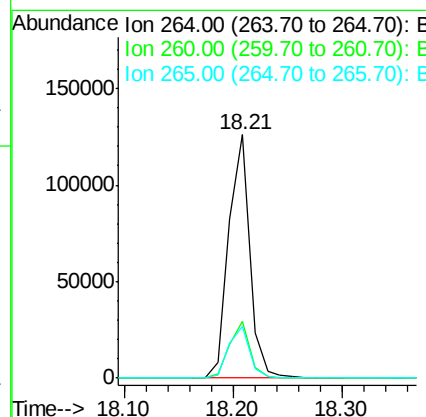
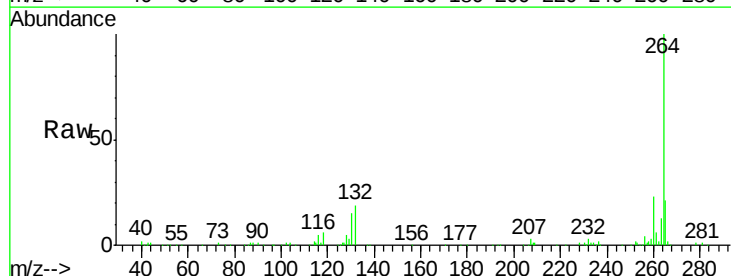
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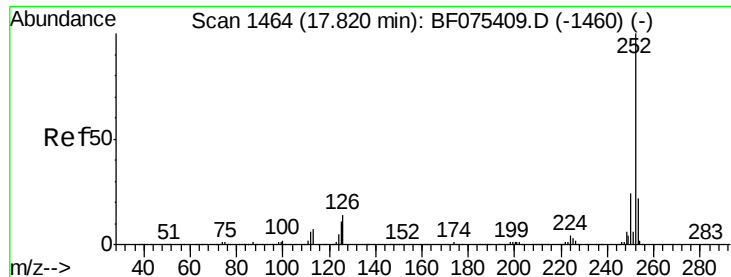
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 18.21 min Scan# 1498  
Delta R.T. -0.23 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 264     | 100   |            |       |
| 260     | 23.1  | 17.9       | 26.9  |
| 265     | 21.4  | 16.3       | 24.5  |





#87

Benzo(b)fluoranthene

Concen: 52.63 ng

RT: 17.74 min Scan# 1457

Delta R.T. -0.21 min

Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

Instrument :

BNA\_F

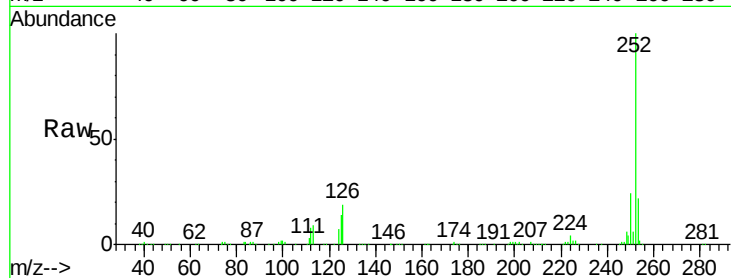
ClientSampleId :

PB80204BS

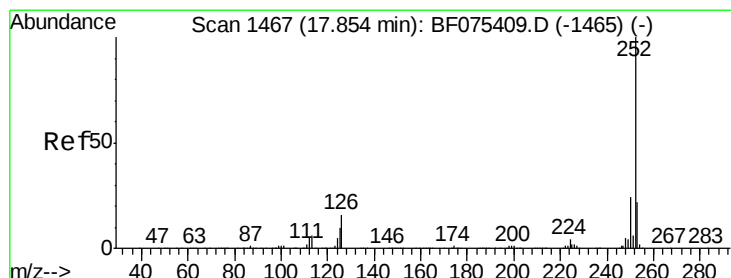
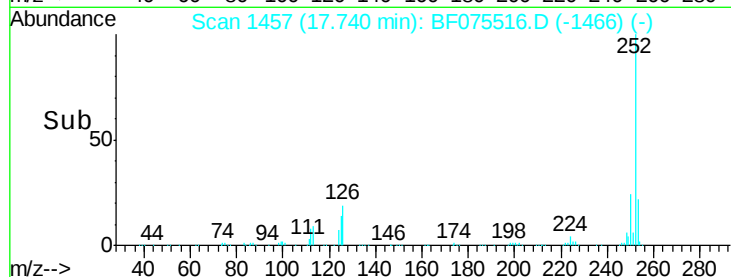
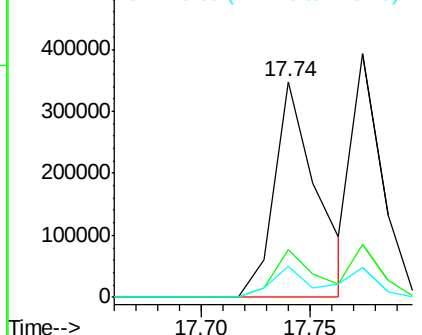
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 475777 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.9  | 17.7  | 26.5   |
| 125       | 14.2  | 11.8  | 17.6   |

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



#88

Benzo(k)fluoranthene

Concen: 46.41 ng m

RT: 17.77 min Scan# 1460

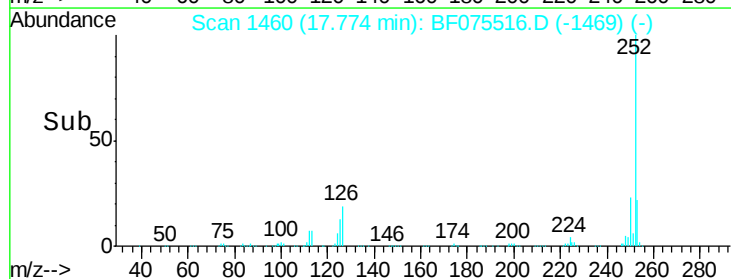
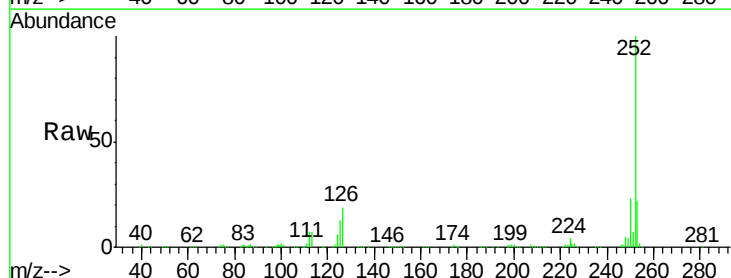
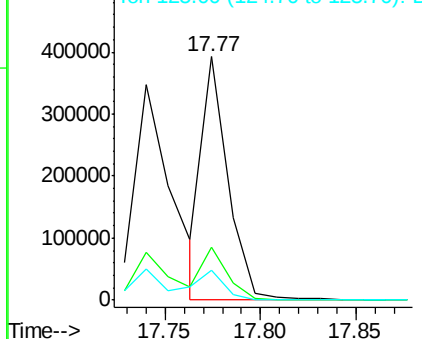
Delta R.T. -0.21 min

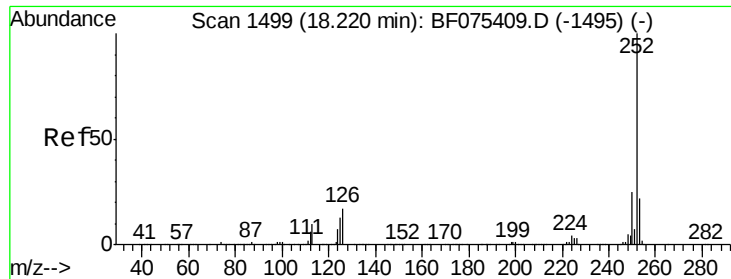
Lab File: BF075516.D

Acq: 15 Nov 2014 1:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 376534 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.7  | 18.1  | 27.1   |
| 125       | 12.5  | 11.6  | 17.4   |

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





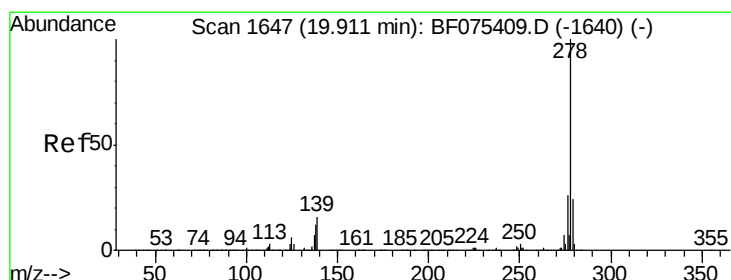
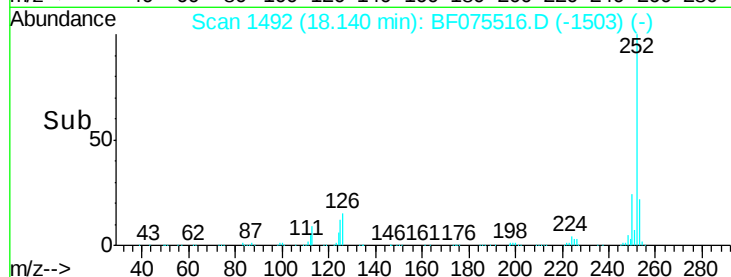
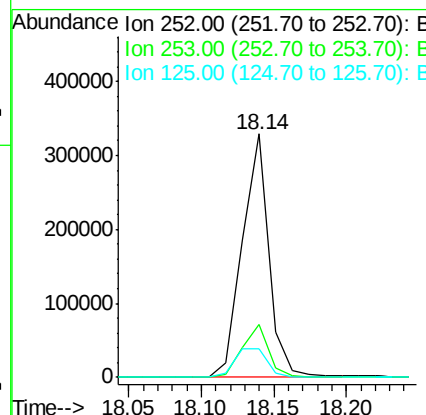
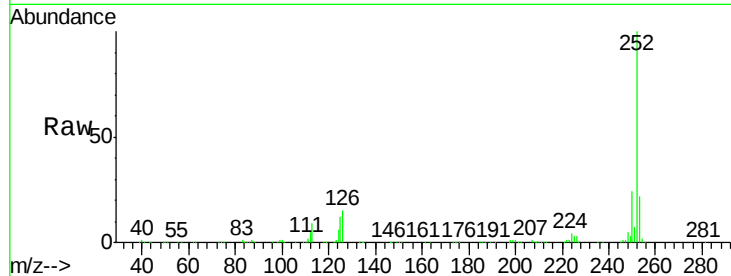
#89  
Benzo(a)pyrene  
Concen: 51.97 ng  
RT: 18.14 min Scan# 1492  
Delta R.T. -0.23 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB80204BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 17.1  | 25.7  |
| 125     | 11.6  | 12.2  | 18.4  |

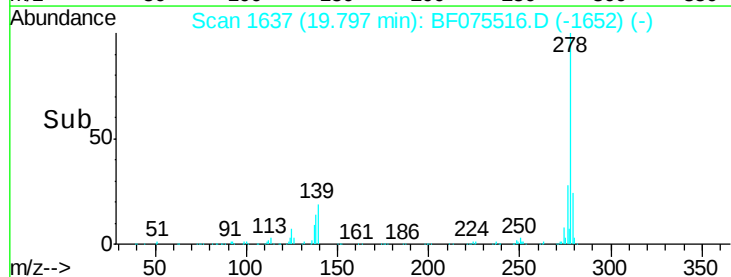
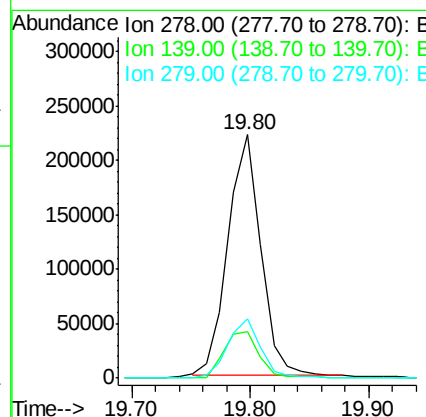
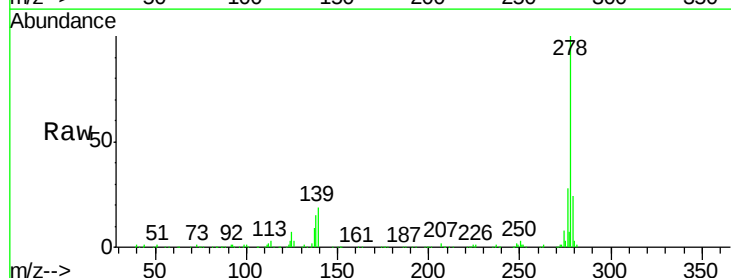
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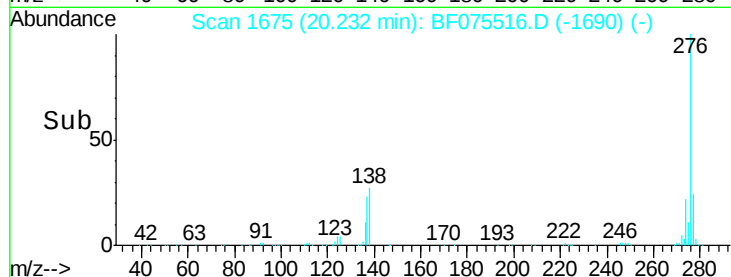
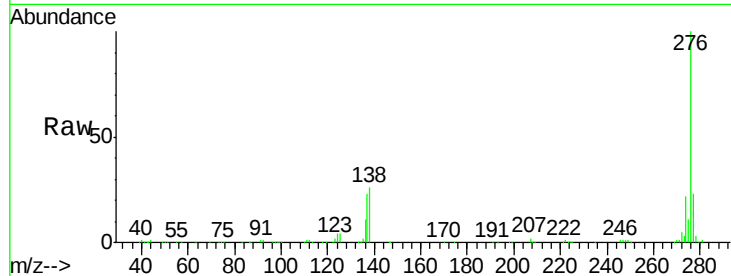
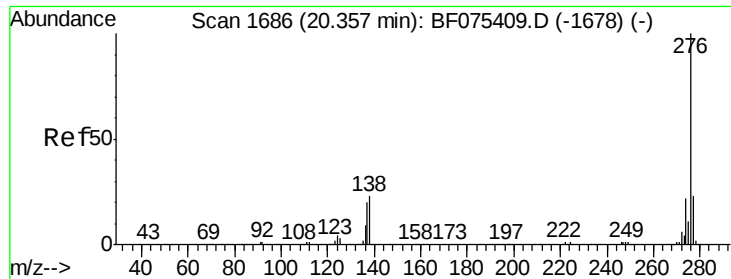
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#90  
Dibenzo(a,h)anthracene  
Concen: 50.57 ng  
RT: 19.80 min Scan# 1637  
Delta R.T. -0.27 min  
Lab File: BF075516.D  
Acq: 15 Nov 2014 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 19.0  | 13.6  | 20.4  |
| 279     | 24.1  | 19.4  | 29.0  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 56.11 ng  
 RT: 20.23 min Scan# 1675  
 Delta R.T. -0.27 min  
 Lab File: BF075516.D  
 Acq: 15 Nov 2014 1:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80204BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.5  | 17.8  | 26.8  |
| 138     | 26.4  | 22.8  | 34.2  |

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