

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012216\  
 Data File : BF084586.D  
 Acq On : 22 Jan 2016 13:45  
 Operator : SJ/IZ  
 Sample : PB87895BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87895BS

Manual Integrations  
 APPROVED

mohammad  
 1/25/2016 2:58:33 PM

Quant Time: Jan 22 23:10:05 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 14 14:15:52 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.75  | 152  | 192514   | 20.00 | ng    | -0.08    |
| 21) Naphthalene-d8        | 8.03  | 136  | 833953   | 20.00 | ng    | -0.09    |
| 38) Acenaphthene-d10      | 9.79  | 164  | 419969   | 20.00 | ng    | -0.08    |
| 63) Phenanthrene-d10      | 11.26 | 188  | 760054   | 20.00 | ng    | -0.09    |
| 75) Chrysene-d12          | 13.91 | 240  | 577217   | 20.00 | ng    | -0.09    |
| 86) Perylene-d12          | 15.30 | 264  | 468522   | 20.00 | ng    | -0.11    |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.36  | 112 | 1023826 | 86.02 | ng | -0.08 |
| 7) Phenol-d6             | 6.40  | 99  | 1284134 | 85.91 | ng | -0.08 |
| 23) Nitrobenzene-d5      | 7.31  | 82  | 1141520 | 76.18 | ng | -0.09 |
| 41) 2,4,6-Tribromophenol | 10.58 | 330 | 339160  | 79.99 | ng | -0.09 |
| 44) 2-Fluorobiphenyl     | 9.12  | 172 | 1983244 | 82.92 | ng | -0.08 |
| 78) Terphenyl-d14        | 12.85 | 244 | 1864266 | 72.09 | ng | -0.09 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.36 | 88  | 197025  | 34.94 | ng | # 75   |
| 3) Pyridine                    | 3.04 | 79  | 385470  | 24.52 | ng | # 64   |
| 4) n-Nitrosodimethylamine      | 2.99 | 42  | 226420  | 28.06 | ng | # 70   |
| 6) Aniline                     | 6.41 | 93  | 286128  | 13.08 | ng | # 1    |
| 8) 2-Chlorophenol              | 6.53 | 128 | 570621  | 42.26 | ng | 98     |
| 9) Benzaldehyde                | 6.29 | 77  | 47257   | 4.86  | ng | 86     |
| 10) Phenol                     | 6.41 | 94  | 706344  | 41.56 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.49 | 93  | 541832m | 41.15 | ng |        |
| 12) 1,3-Dichlorobenzene        | 6.68 | 146 | 521150m | 37.41 | ng |        |
| 13) 1,4-Dichlorobenzene        | 6.76 | 146 | 558935  | 40.01 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 6.92 | 146 | 503290  | 37.62 | ng | 95     |
| 15) Benzyl Alcohol             | 6.90 | 79  | 478763  | 38.07 | ng | 93     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.04 | 45  | 838410  | 34.97 | ng | 86     |
| 17) 2-Methylphenol             | 7.01 | 107 | 429908  | 37.99 | ng | 95     |
| 18) Hexachloroethane           | 7.25 | 117 | 213327  | 38.19 | ng | # 89   |
| 19) n-Nitroso-di-n-propylamine | 7.17 | 70  | 389385  | 38.48 | ng | # 81   |
| 20) 3+4-Methylphenols          | 7.17 | 107 | 553902  | 41.64 | ng | # 85   |
| 22) Acetophenone               | 7.16 | 105 | 732661  | 36.54 | ng | # 97   |
| 24) Nitrobenzene               | 7.33 | 77  | 561427  | 36.94 | ng | 98     |
| 25) Isophorone                 | 7.57 | 82  | 1013938 | 35.38 | ng | 98     |
| 26) 2-Nitrophenol              | 7.65 | 139 | 308186  | 44.56 | ng | # 91   |
| 27) 2,4-Dimethylphenol         | 7.70 | 122 | 515026  | 36.79 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 7.79 | 93  | 621023  | 35.48 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.89 | 162 | 434146  | 37.23 | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 7.97 | 180 | 450045  | 37.38 | ng | 96     |
| 31) Naphthalene                | 8.05 | 128 | 1423978 | 37.64 | ng | 99     |
| 32) Benzoic acid               | 7.82 | 122 | 311256  | 36.31 | ng | 96     |
| 33) 4-Chloroaniline            | 8.11 | 127 | 137982  | 7.95  | ng | 93     |
| 34) Hexachlorobutadiene        | 8.18 | 225 | 277035  | 40.03 | ng | 99     |
| 35) Caprolactam                | 8.49 | 113 | 154025m | 39.18 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.60 | 107 | 490749  | 37.57 | ng | 96     |
| 37) 2-Methylnaphthalene        | 8.75 | 142 | 1095005 | 40.32 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.91 | 216 | 401111  | 33.22 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.90 | 237 | 443321  | 60.83 | ng | 98     |

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 Misc :  
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Instrument :  
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 PB87895BS

Manual Integrations  
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 1/25/2016 2:58:33 PM

Quant Time: Jan 22 23:10:05 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 14 14:15:52 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.04  | 196  | 310279   | 34.35 | nq    | 93       |
| 43) 2,4,5-Trichlorophenol      | 9.08  | 196  | 332675   | 38.42 | nq    | 94       |
| 45) 1,1'-Biphenyl              | 9.21  | 154  | 1205240  | 36.11 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.23  | 162  | 915133   | 34.91 | nq    | 97       |
| 47) 2-Nitroaniline             | 9.33  | 65   | 291332   | 33.67 | nq    | 98       |
| 48) Acenaphthylene             | 9.65  | 152  | 1512670  | 39.05 | nq    | 98       |
| 49) Dimethylphthalate          | 9.53  | 163  | 1169499  | 38.95 | nq    | # 91     |
| 50) 2,6-Dinitrotoluene         | 9.58  | 165  | 272134   | 41.33 | nq    | 94       |
| 51) Acenaphthene               | 9.82  | 154  | 1027192  | 39.53 | nq    | 97       |
| 52) 3-Nitroaniline             | 9.74  | 138  | 103567   | 12.69 | nq    | 92       |
| 53) 2,4-Dinitrophenol          | 9.86  | 184  | 260102   | 92.16 | nq    | 92       |
| 54) Dibenzofuran               | 10.00 | 168  | 1328139  | 39.08 | nq    | 93       |
| 55) 4-Nitrophenol              | 9.93  | 139  | 385112   | 65.02 | nq    | # 80     |
| 56) 2,4-Dinitrotoluene         | 9.98  | 165  | 322472   | 38.69 | nq    | # 85     |
| 57) Fluorene                   | 10.34 | 166  | 1076129  | 41.15 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.12 | 232  | 257704   | 34.86 | nq    | 92       |
| 59) Diethylphthalate           | 10.22 | 149  | 1169591  | 39.51 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.33 | 204  | 436562   | 38.65 | nq    | # 87     |
| 61) 4-Nitroaniline             | 10.36 | 138  | 231552   | 31.83 | nq    | 93       |
| 62) Azobenzene                 | 10.49 | 77   | 1158383  | 35.68 | nq    | 87       |
| 64) 4,6-Dinitro-2-methylphenol | 10.40 | 198  | 177089   | 38.15 | nq    | 75       |
| 65) n-Nitrosodiphenylamine     | 10.45 | 169  | 935306   | 38.49 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 10.82 | 248  | 302867   | 37.02 | nq    | # 81     |
| 67) Hexachlorobenzene          | 10.89 | 284  | 344525   | 37.42 | nq    | # 84     |
| 68) Atrazine                   | 10.99 | 200  | 319403   | 40.16 | nq    | 93       |
| 69) Pentachlorophenol          | 11.08 | 266  | 347639   | 72.82 | nq    | 98       |
| 70) Phenanthrene               | 11.30 | 178  | 1636920  | 41.17 | nq    | 99       |
| 71) Anthracene                 | 11.34 | 178  | 1476886  | 37.90 | nq    | 98       |
| 72) Carbazole                  | 11.50 | 167  | 1382354  | 36.28 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.85 | 149  | 1744746  | 42.46 | nq    | 99       |
| 74) Fluoranthene               | 12.48 | 202  | 1496397  | 36.03 | nq    | 99       |
| 76) Benzidine                  | 12.60 | 184  | 436028   | 21.07 | nq    | 98       |
| 77) Pyrene                     | 12.71 | 202  | 1540206  | 34.00 | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.33 | 149  | 699610   | 35.69 | nq    | 91       |
| 80) Benzo(a)anthracene         | 13.89 | 228  | 1310597  | 38.67 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.86 | 252  | 248278   | 20.99 | nq    | # 95     |
| 82) Chrysene                   | 13.93 | 228  | 1064091  | 32.67 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.89 | 149  | 901898   | 36.42 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.51 | 149  | 1532528  | 36.66 | nq    | # 90     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.63 | 276  | 1040708  | 40.31 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 14.91 | 252  | 1213317m | 39.59 | nq    |          |
| 88) Benzo(k)fluoranthene       | 14.93 | 252  | 867253m  | 34.60 | nq    |          |
| 89) Benzo(a)pyrene             | 15.24 | 252  | 997951   | 38.39 | nq    | 100      |
| 90) Dibenzo(a,h)anthracene     | 16.64 | 278  | 874505   | 39.09 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 17.03 | 276  | 890058   | 38.42 | nq    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

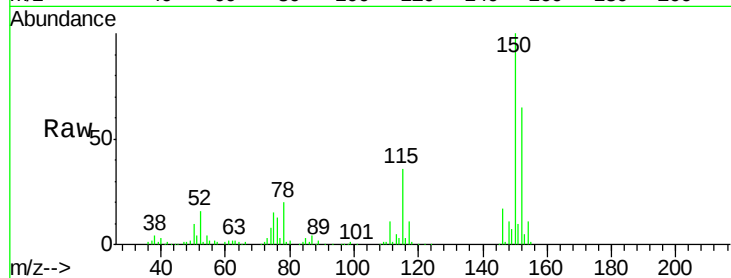
ClientSampleId :

PB87895BS

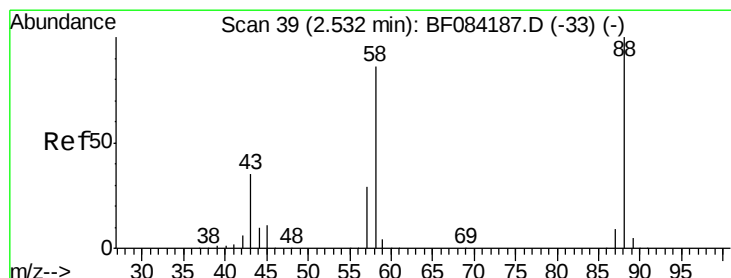
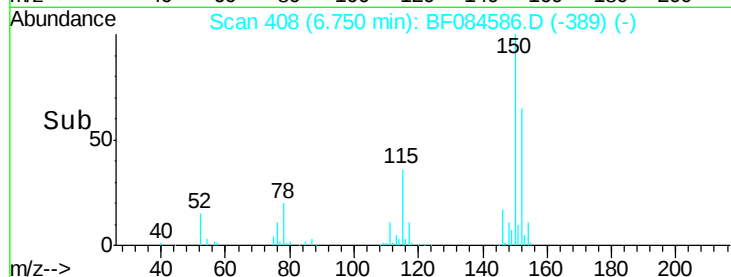
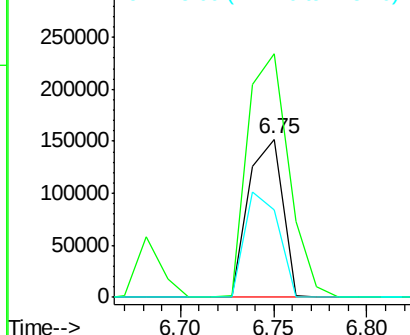
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 192514 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 153.8 | 123.0 | 184.4  |
| 115       | 55.3  | 51.4  | 77.2   |

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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: 34.94 ng

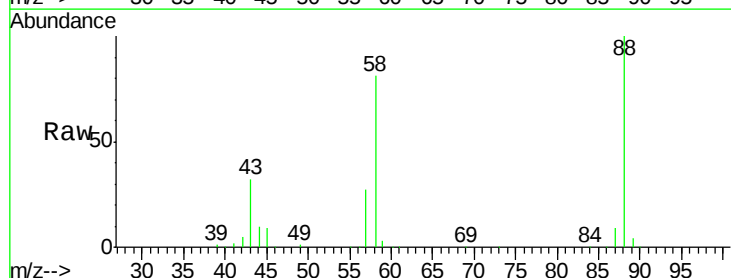
RT: 2.36 min Scan# 24

Delta R.T. -0.03 min

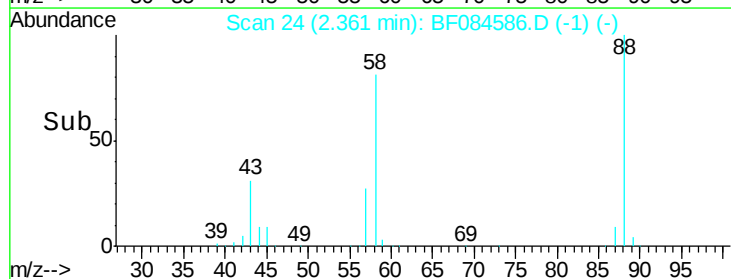
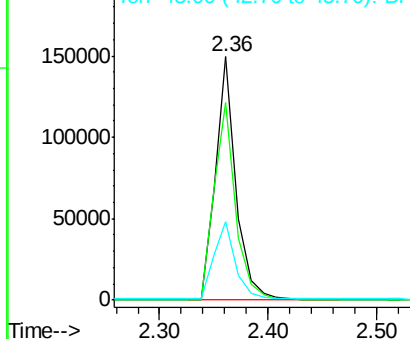
Lab File: BF084586.D

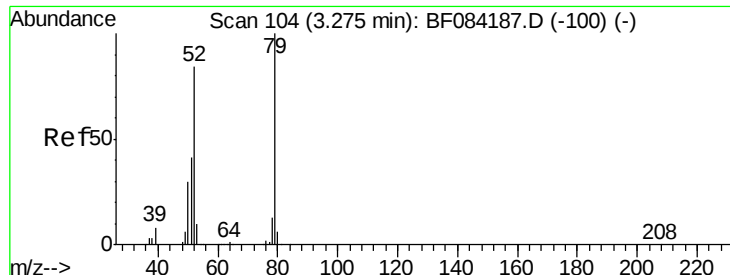
Acq: 22 Jan 2016 13:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 88    | Resp: | 197025 |
| Ion Ratio | Lower | Upper |        |
| 88        | 100   |       |        |
| 58        | 85.5  | 51.2  | 76.8#  |
| 43        | 33.2  | 19.5  | 29.3#  |



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





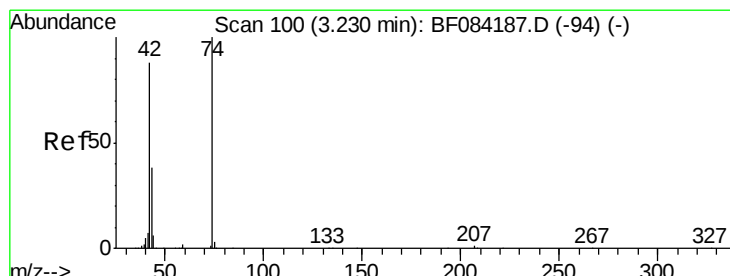
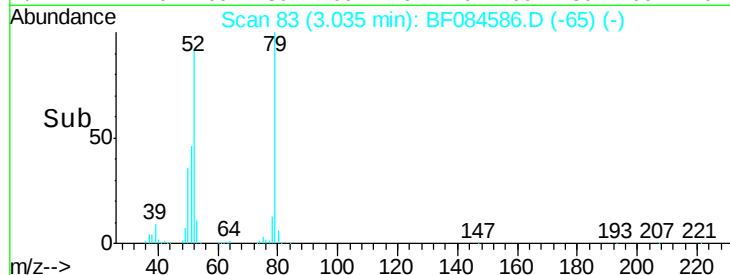
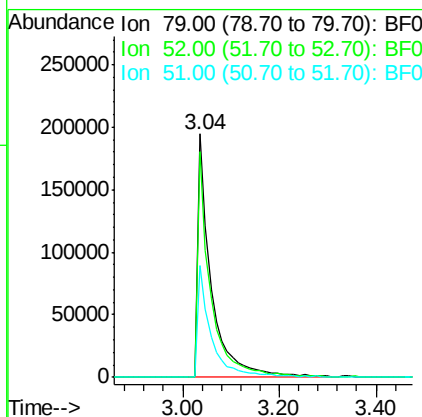
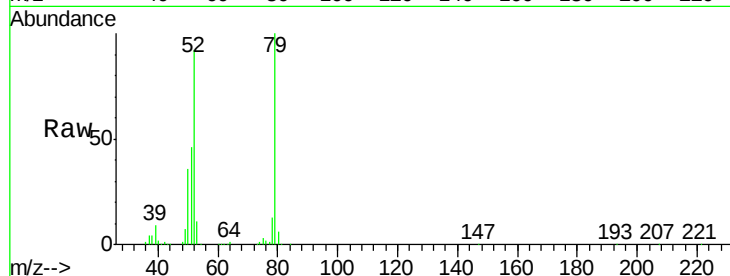
#3  
 Pvridine  
 Concen: 24.52 ng  
 RT: 3.04 min Scan# 83  
 Delta R.T. -0.09 min  
 Lab File: BF084586.D  
 Acq: 22 Jan 2016 13:45

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB87895BS

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 79      | 79  | 100   |      |       |       |
| 52      | 52  | 92.5  | 49.0 | 73.4# |       |
| 51      | 51  | 46.1  | 25.2 | 37.8# |       |

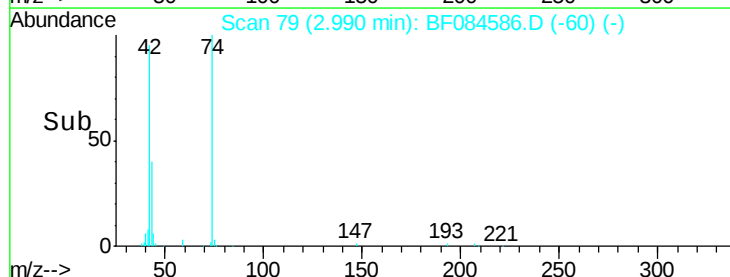
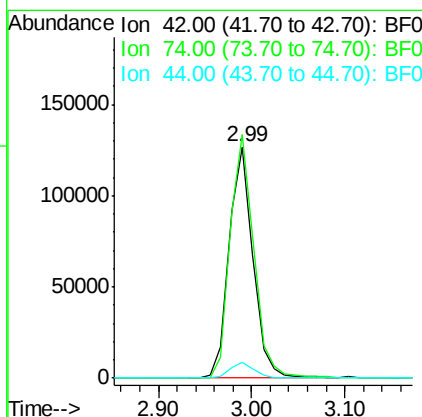
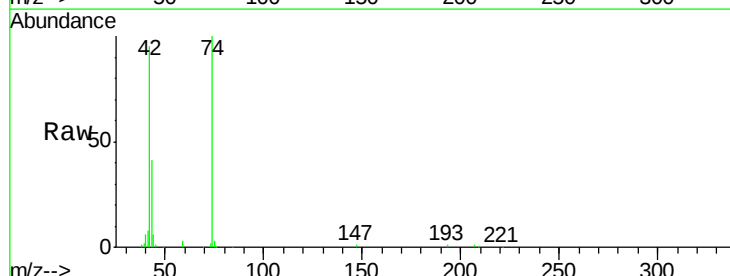
Manual Integrations  
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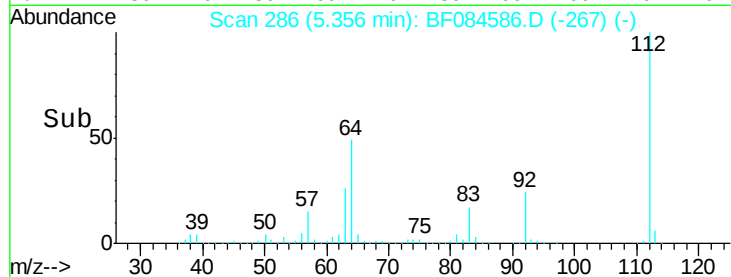
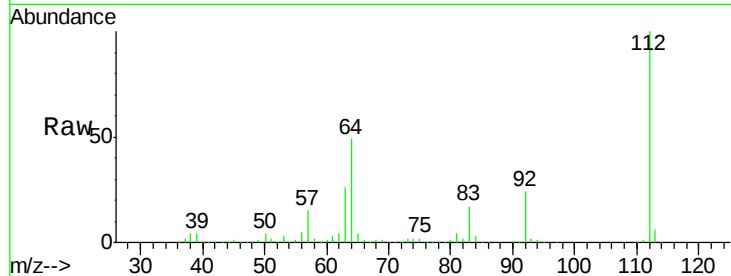
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#4  
 n-Nitrosodimethylamine  
 Concen: 28.06 ng  
 RT: 2.99 min Scan# 79  
 Delta R.T. -0.08 min  
 Lab File: BF084586.D  
 Acq: 22 Jan 2016 13:45

| Tgt Ion | Ion | Ratio | Resp  | Lower  | Upper |
|---------|-----|-------|-------|--------|-------|
| 42      | 42  | 100   |       |        |       |
| 74      | 74  | 105.2 | 115.7 | 173.5# |       |
| 44      | 44  | 6.6   | 5.1   | 7.7    |       |





#5

2-Fluorophenol

Concen: 86.02 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 49.2  | 36.6  | 55.0  |
| 63      | 25.7  | 19.4  | 29.0  |

Instrument :

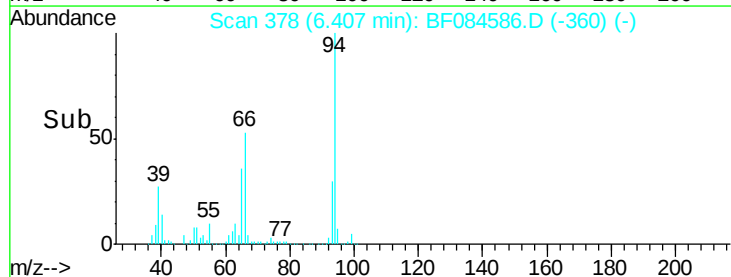
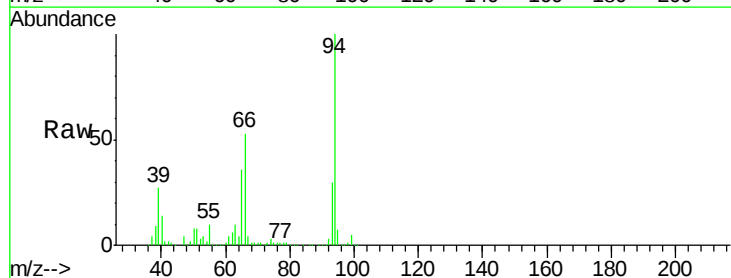
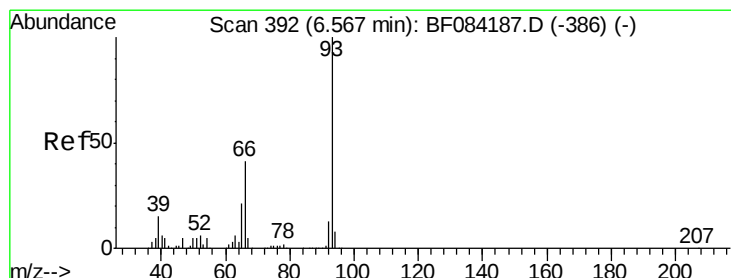
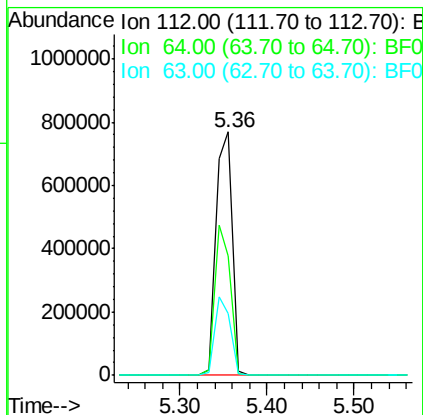
BNA\_F

ClientSampled :

PB87895BS

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#6

Aniline

Concen: 13.08 ng

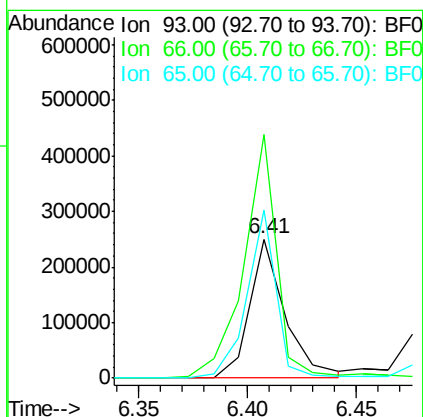
RT: 6.41 min Scan# 378

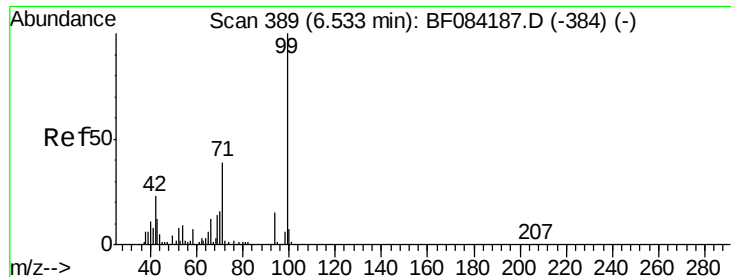
Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 66      | 175.4 | 44.9  | 67.3# |
| 65      | 121.2 | 23.7  | 35.5# |





#7

Phenol-d6

Concen: 85.91 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

ClientSampleId :

PB87895BS

Tot Ion: 99 Resp: 1284134

Ion Ratio Lower Upper

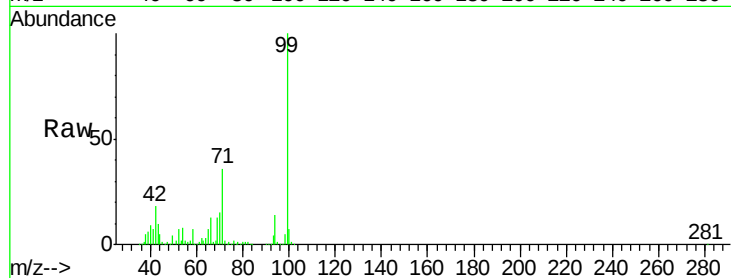
99 100

42 18.5 12.8 19.2

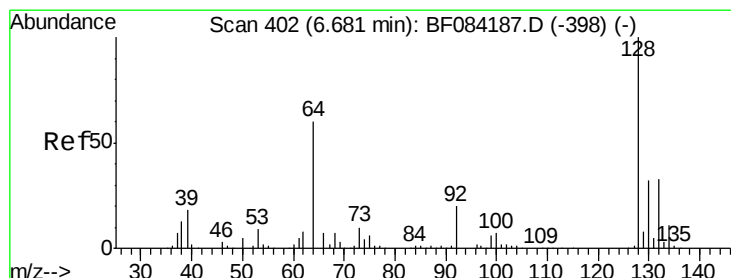
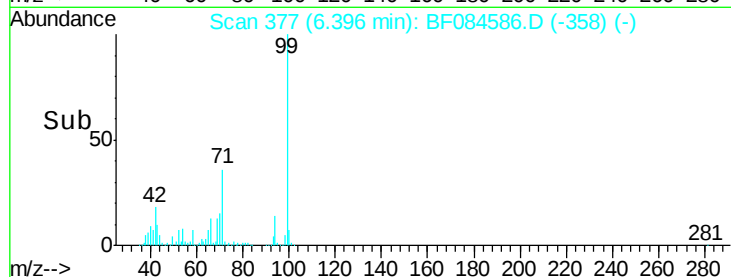
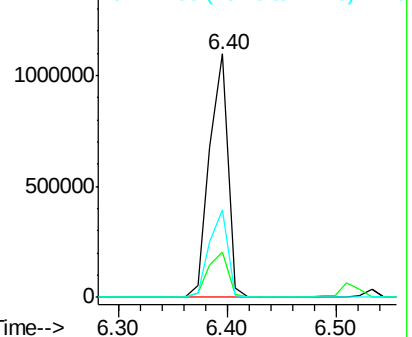
71 35.7 30.9 46.3

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



#8

2-Chlorophenol

Concen: 42.26 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

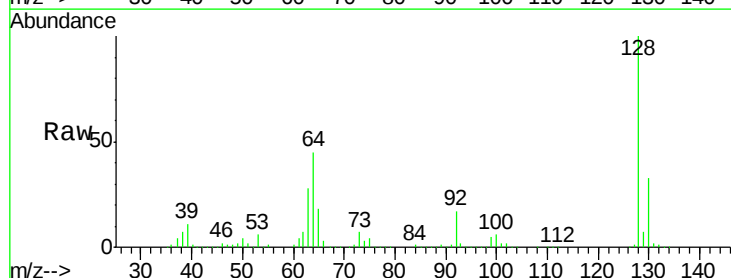
Tgt Ion: 128 Resp: 570621

Ion Ratio Lower Upper

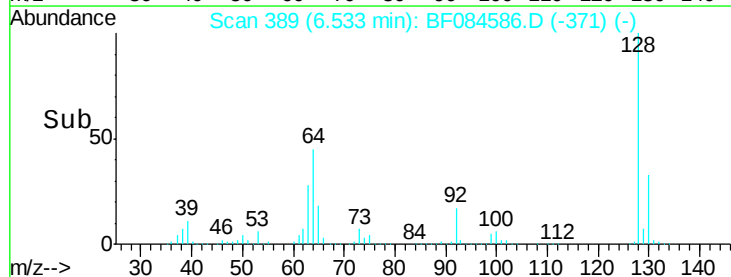
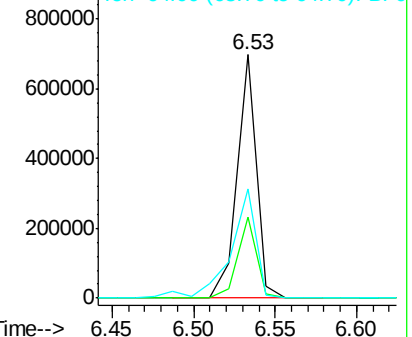
128 100

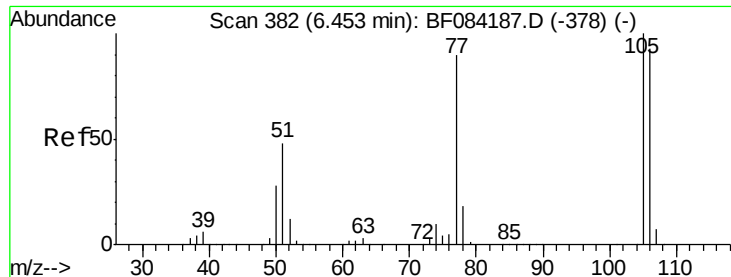
130 33.1 11.6 51.6

64 44.8 23.8 63.8



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





#9

Benzaldehyde

Concen: 4.86 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

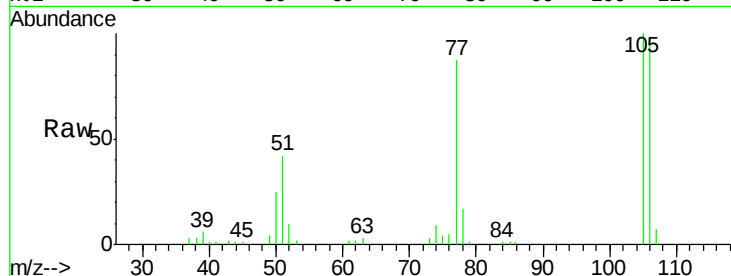
ClientSampleId :

PB87895BS

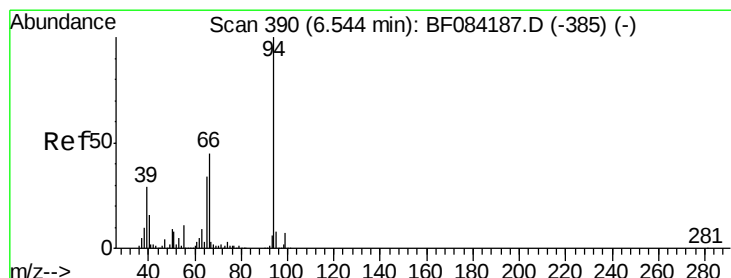
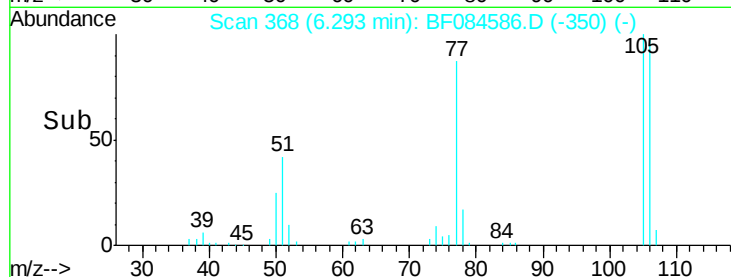
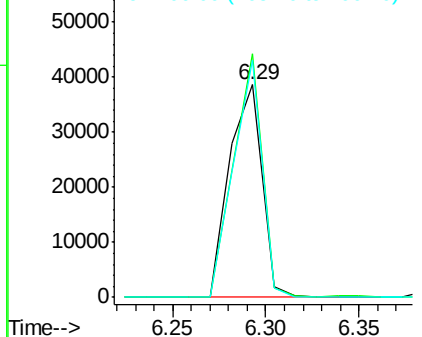
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 47257 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 114.4 | 83.0  | 123.0 |
| 106      | 111.6 | 74.6  | 114.6 |

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



#10

Phenol

Concen: 41.56 ng

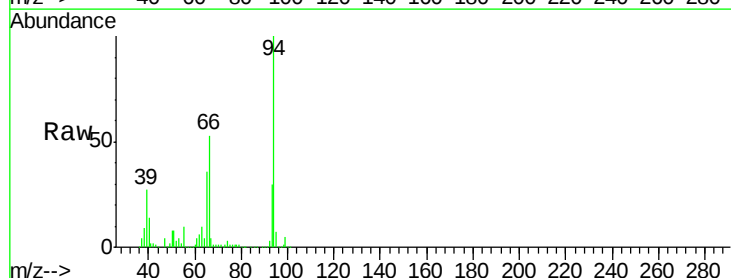
RT: 6.41 min Scan# 378

Delta R.T. -0.09 min

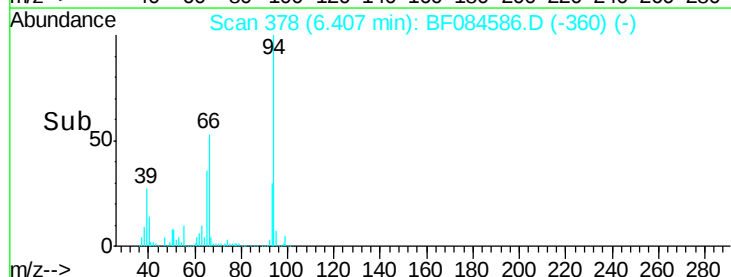
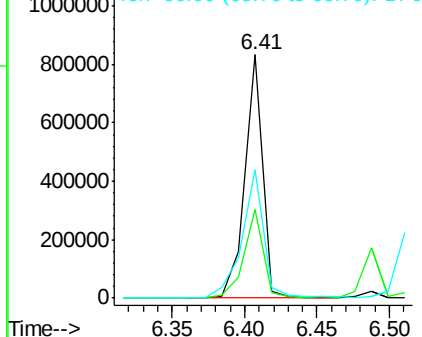
Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 706344 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 36.3  | 12.9  | 52.9   |
| 66       | 52.5  | 32.7  | 72.7   |



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: 41.15 ng m

RT: 6.49 min Scan# 385

Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

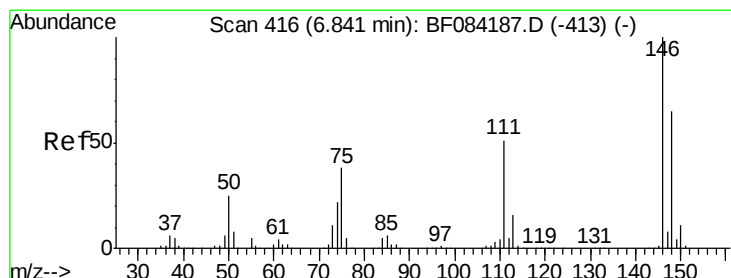
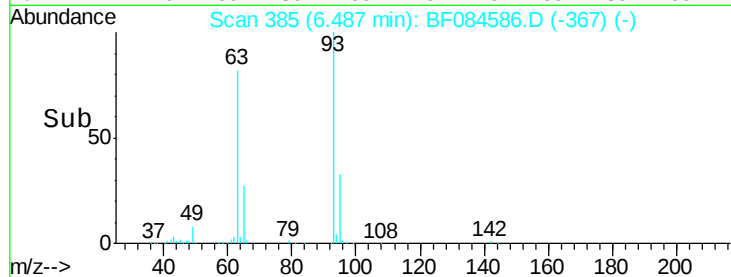
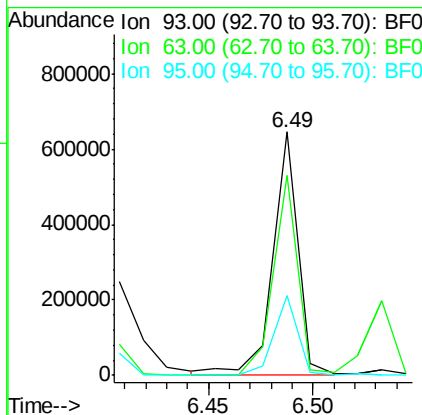
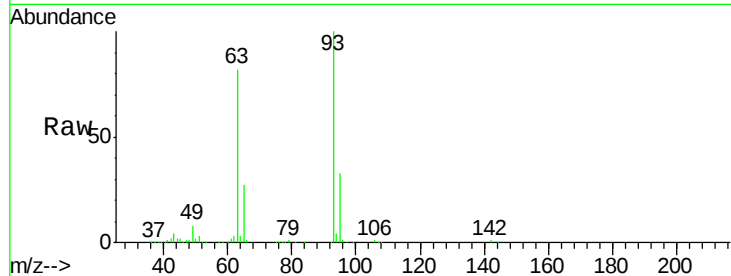
ClientSampleId :

PB87895BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 541832 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 82.4  | 45.9  | 85.9   |
| 95        | 32.9  | 12.3  | 52.3   |

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#12

1,3-Dichlorobenzene

Concen: 37.41 ng m

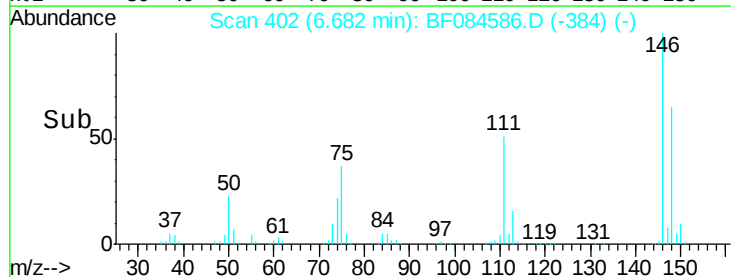
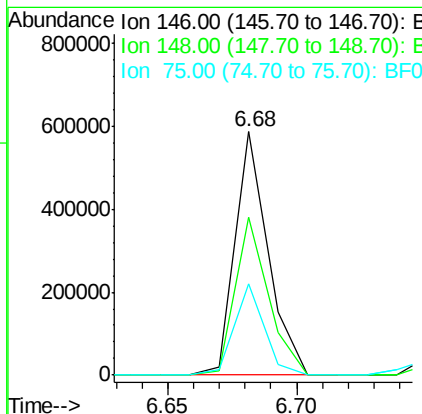
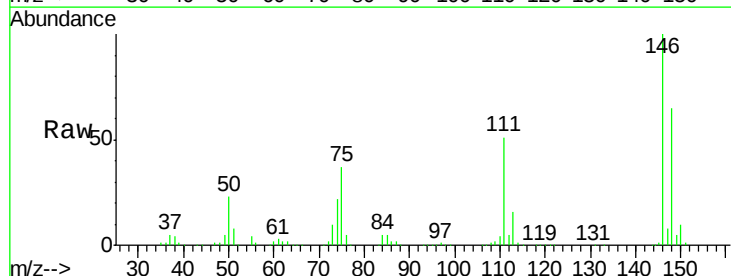
RT: 6.68 min Scan# 402

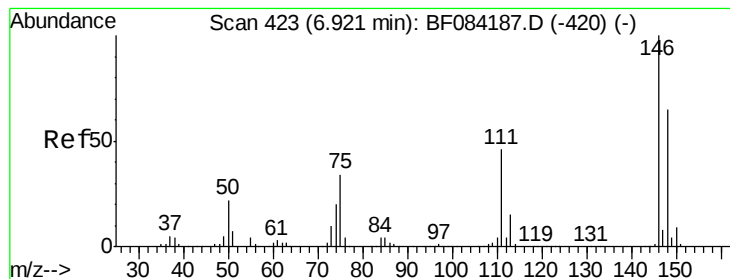
Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 521150 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.7  | 51.9  | 77.9   |
| 75        | 37.4  | 20.5  | 30.7#  |





#13

1,4-Dichlorobenzene

Concen: 40.01 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

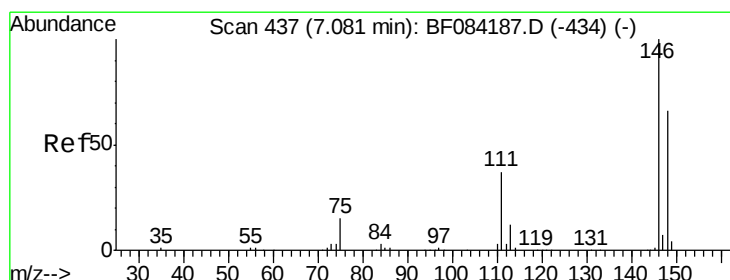
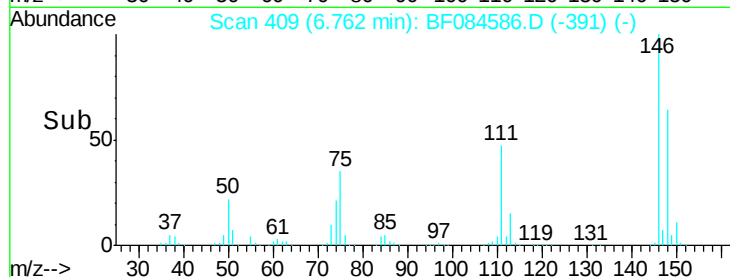
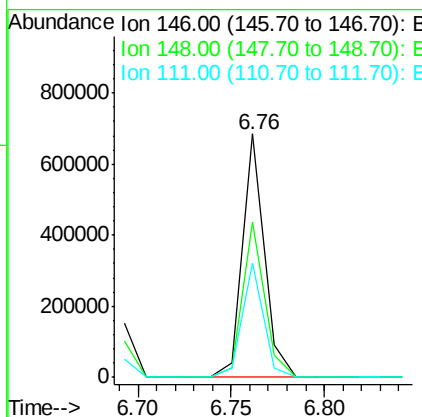
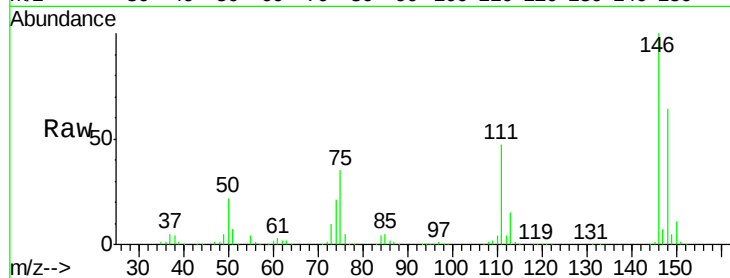
ClientSampleId :

PB87895BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.7  | 51.9  | 77.9  |
| 111     | 46.9  | 41.6  | 62.4  |

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#14

1,2-Dichlorobenzene

Concen: 37.62 ng

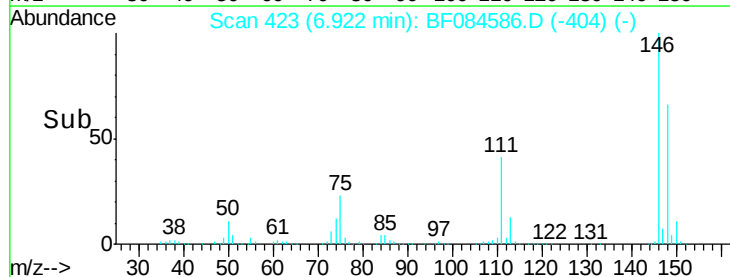
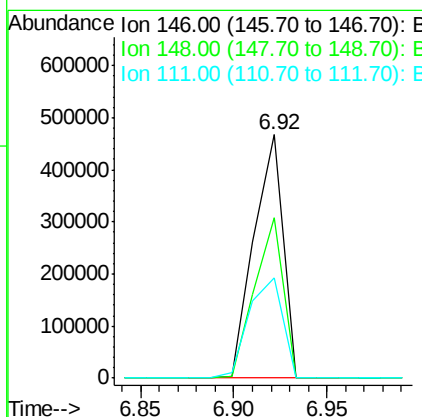
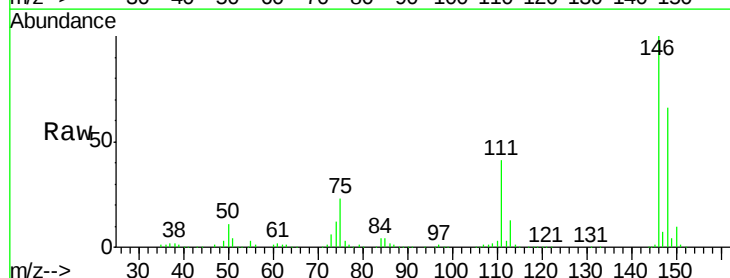
RT: 6.92 min Scan# 423

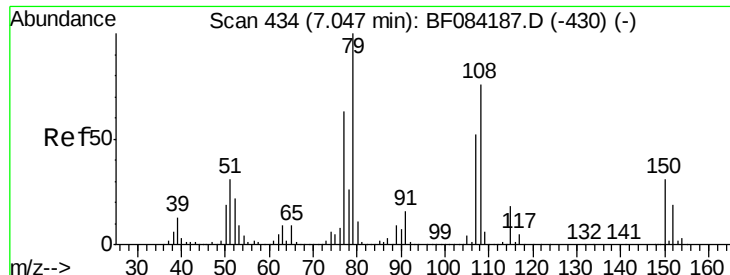
Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.7  | 51.6  | 77.4  |
| 111     | 41.0  | 38.0  | 57.0  |





#15

Benzyl Alcohol

Concen: 38.07 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

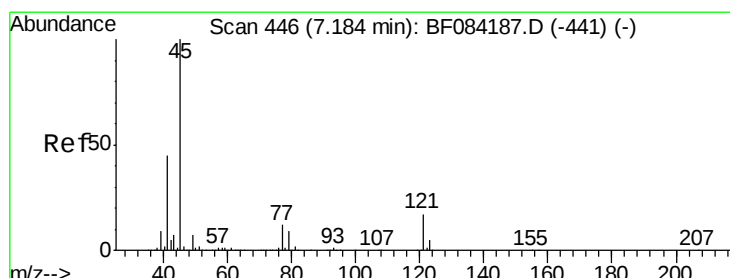
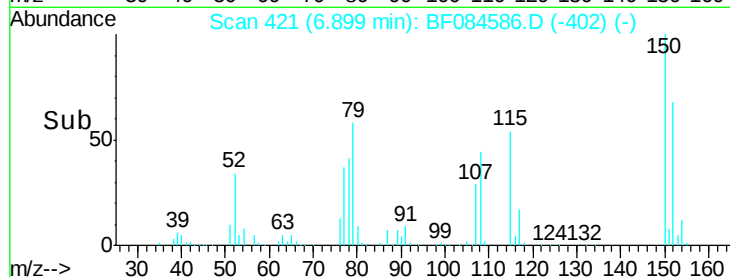
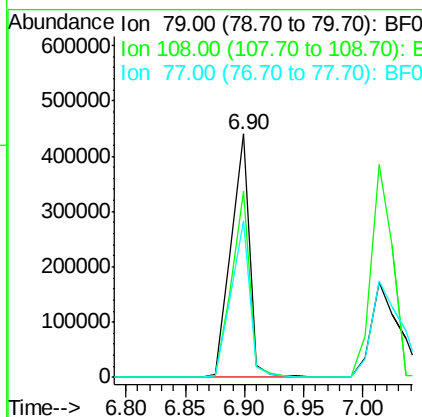
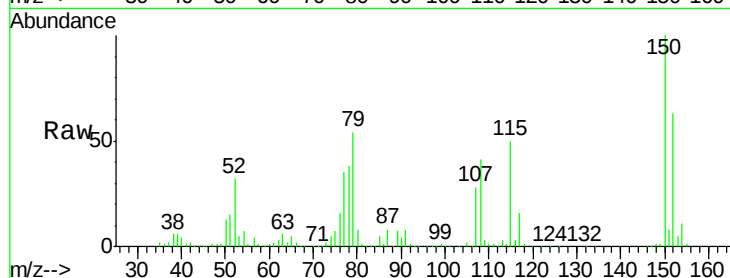
ClientSampleID :

PB87895BS

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|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 478763 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 76.2  | 69.0  | 103.4  |
| 77        | 64.1  | 50.0  | 75.0   |



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.97 ng

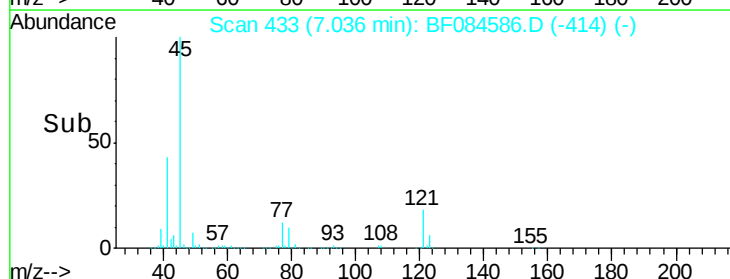
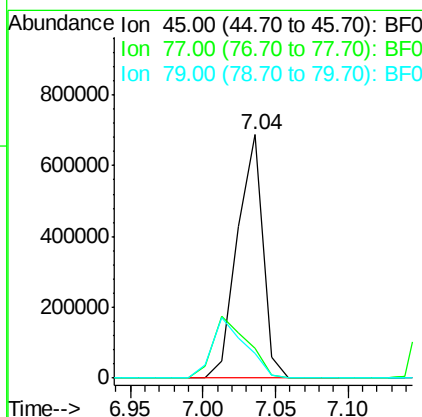
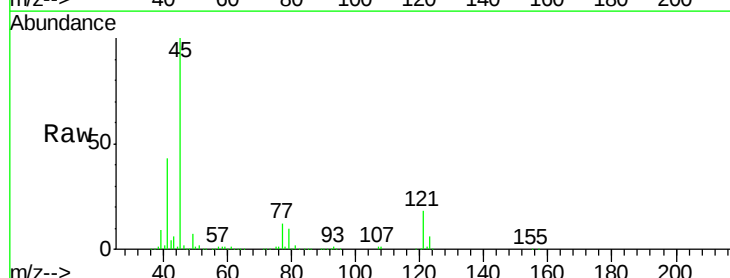
RT: 7.04 min Scan# 433

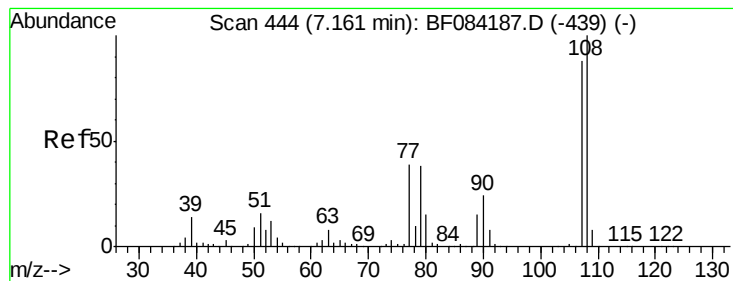
Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 838410 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 12.2  | 0.0   | 39.6   |
| 79        | 10.2  | 0.0   | 35.0   |





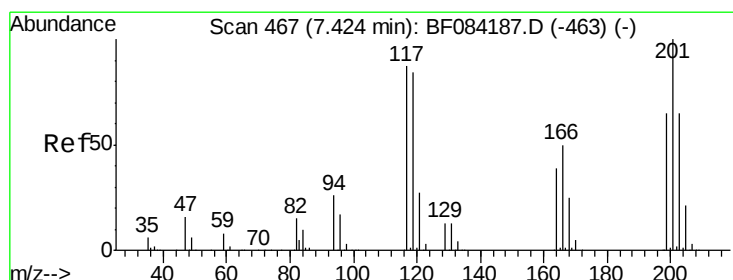
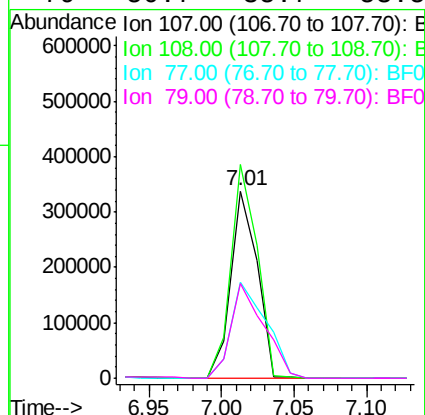
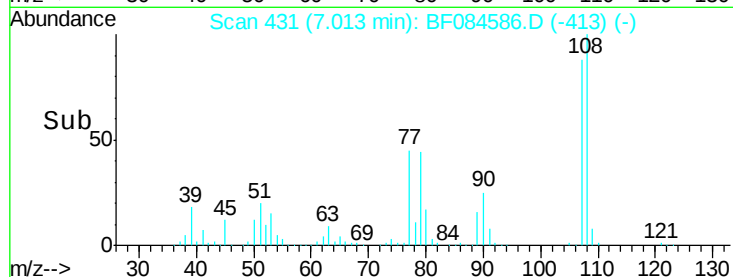
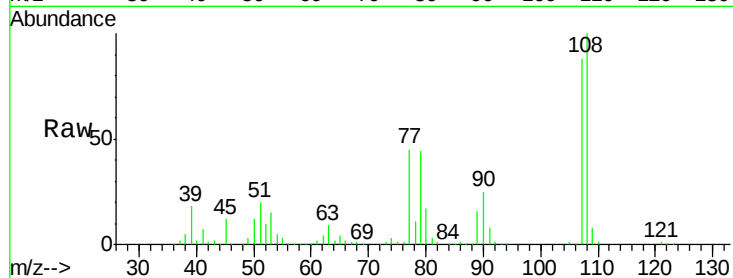
#17  
2-Methylphenol  
Concen: 37.99 ng  
RT: 7.01 min Scan# 431  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

| Tot Ion   | 107   | Resp  | 429908 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 114.0 | 89.8  | 134.6  |
| 77        | 51.5  | 35.7  | 53.5   |
| 79        | 50.7  | 35.7  | 53.5   |

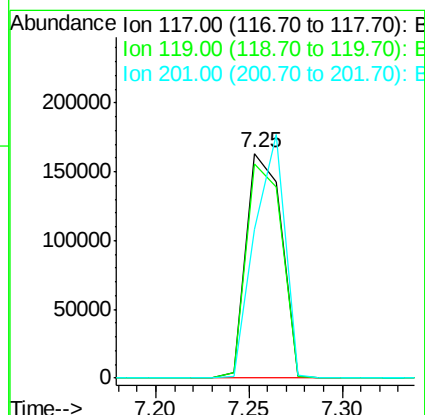
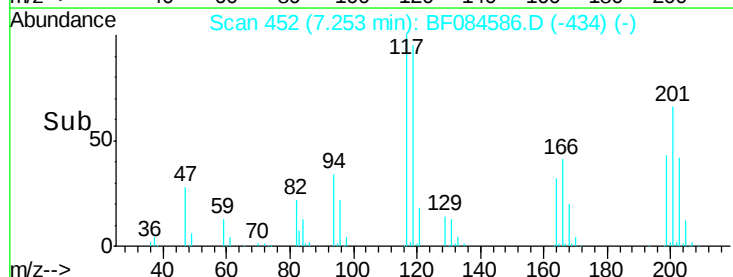
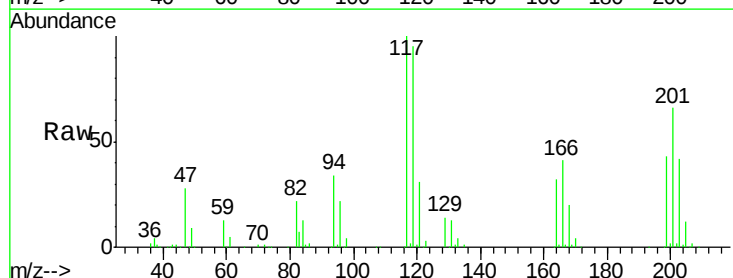
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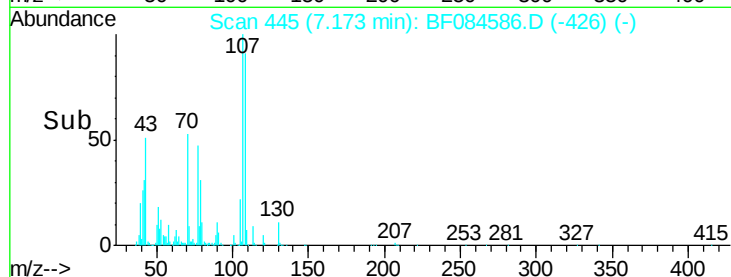
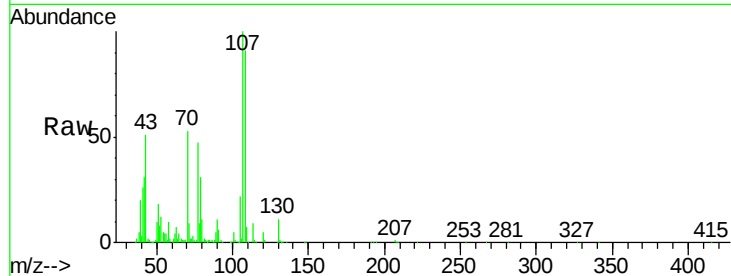
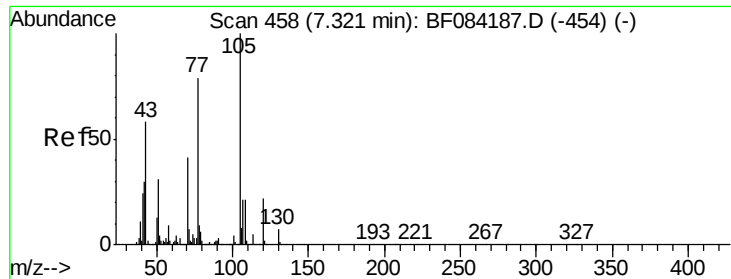
mohammad  
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#18  
Hexachloroethane  
Concen: 38.19 ng  
RT: 7.25 min Scan# 452  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion   | 117   | Resp  | 213327 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 95.2  | 77.4  | 116.0  |
| 201       | 66.1  | 68.6  | 103.0# |





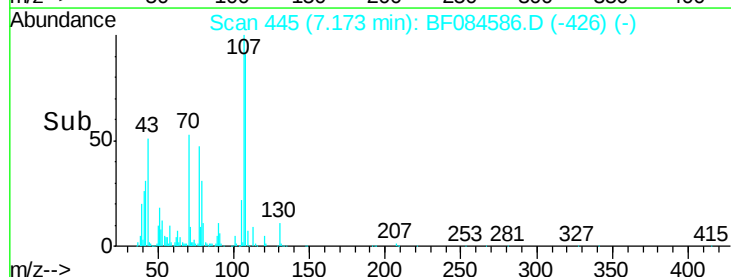
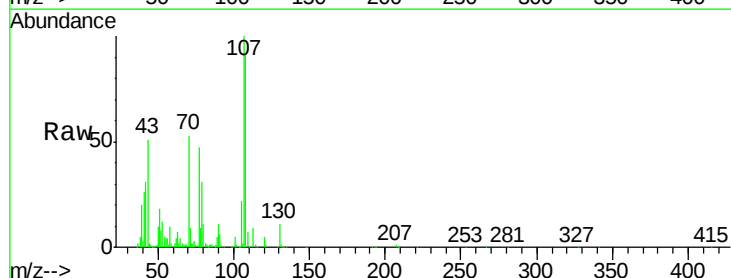
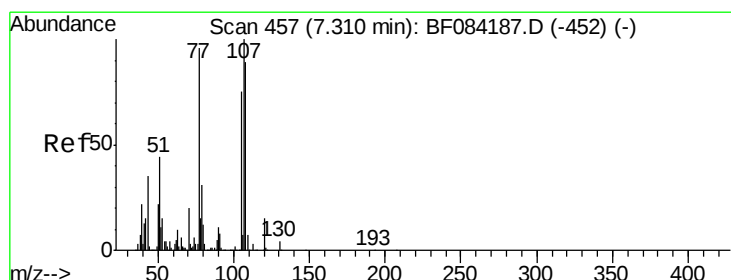
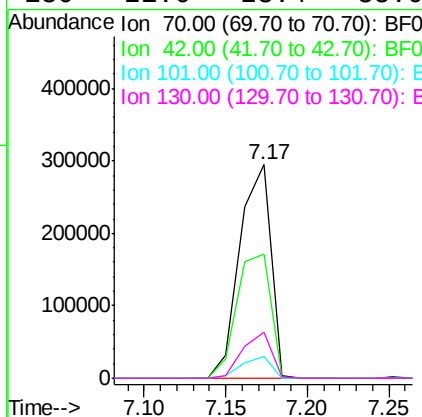
#19  
n-Nitroso-di-n-propylamine  
Concen: 38.48 ng  
RT: 7.17 min Scan# 445  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 58.4  | 33.3  | 49.9# |
| 101     | 10.0  | 9.3   | 13.9  |
| 130     | 21.6  | 23.4  | 35.0# |

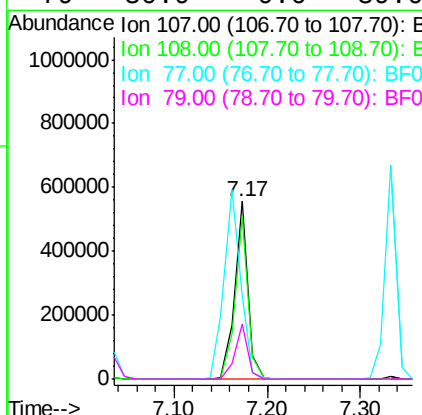
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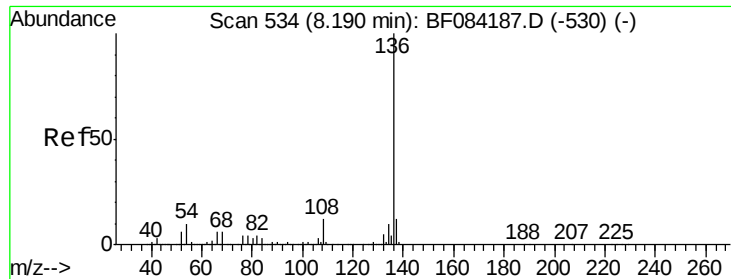
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1/25/2016 2:58:33 PM



#20  
3+4-Methylphenols  
Concen: 41.64 ng  
RT: 7.17 min Scan# 445  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 91.5  | 74.6  | 114.6 |
| 77      | 46.9  | 0.7   | 40.7# |
| 79      | 30.9  | 0.0   | 39.0  |





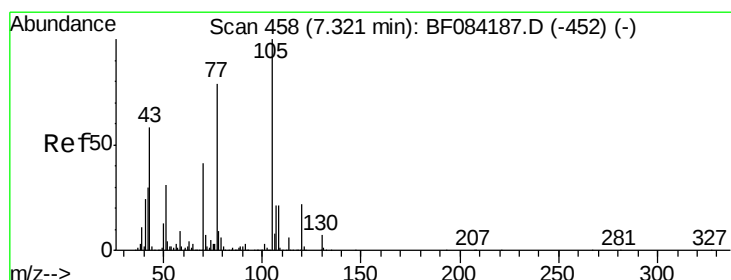
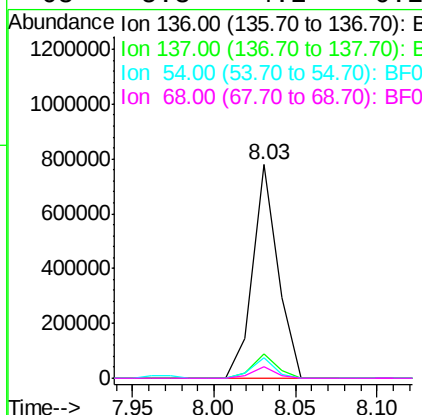
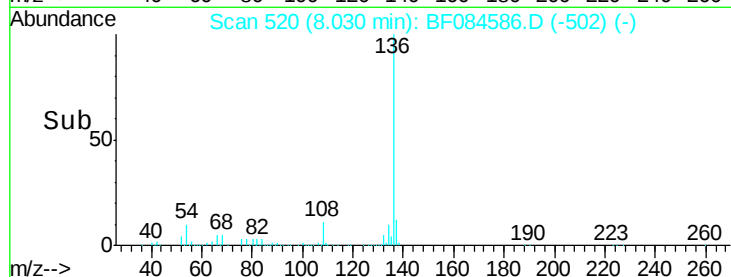
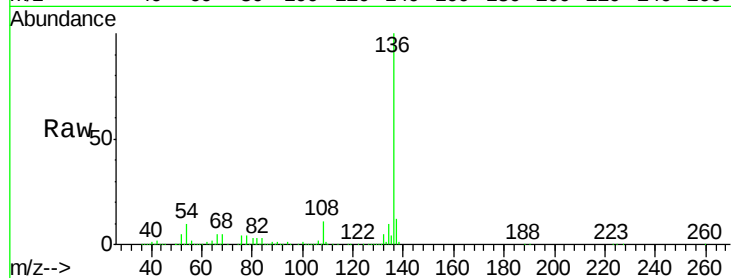
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.03 min Scan# 520  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 833953 |       |       |
| 137     | 11.6 |       | 8.7    | 13.1  |       |
| 54      | 9.5  |       | 5.8    | 8.8#  |       |
| 68      | 5.3  |       | 4.2    | 6.2   |       |

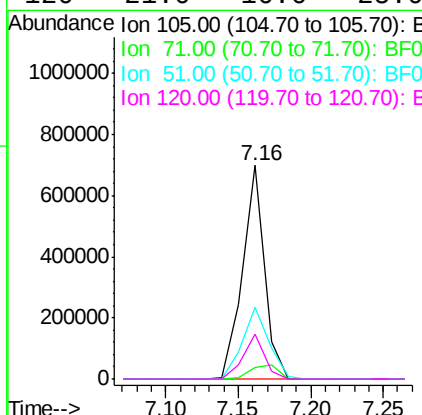
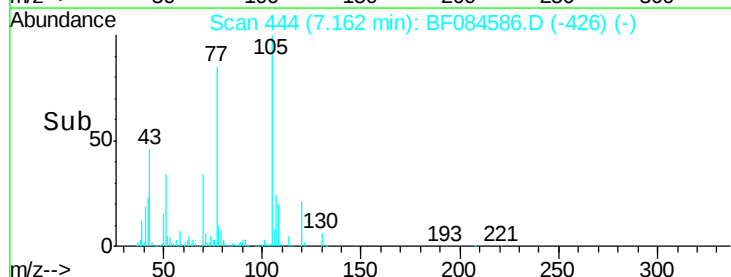
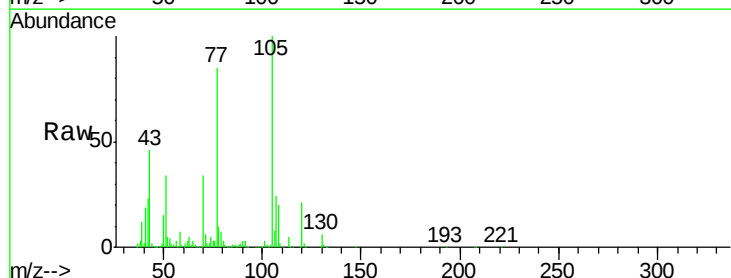
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#22  
Acetophenone  
Concen: 36.54 ng  
RT: 7.16 min Scan# 444  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 732661 |       |       |
| 71      | 5.6  |       | 3.7    | 5.5#  |       |
| 51      | 33.8 |       | 25.1   | 37.7  |       |
| 120     | 21.0 |       | 16.6   | 25.0  |       |





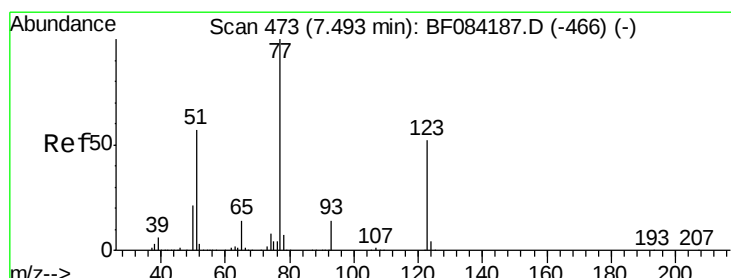
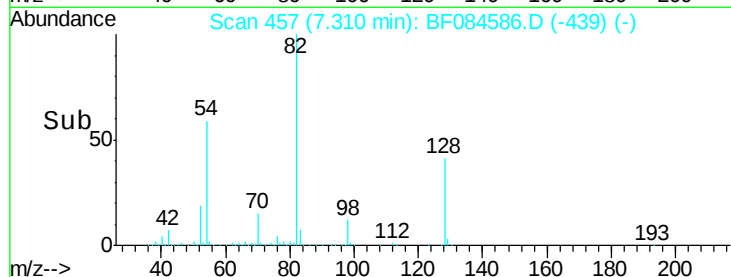
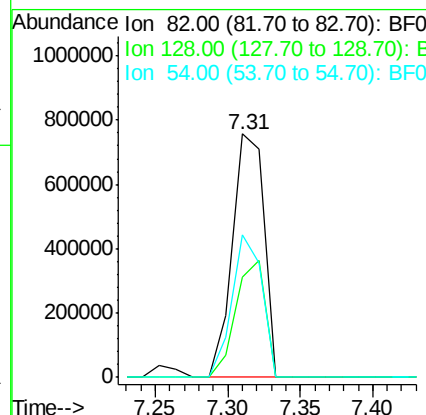
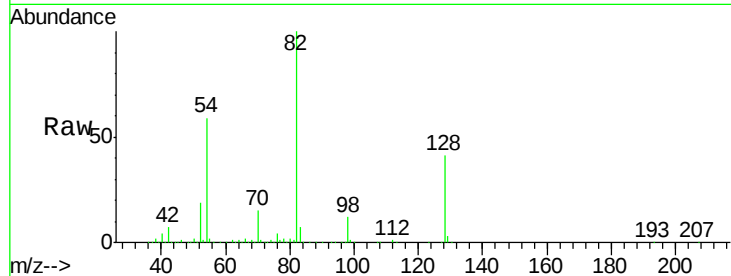
#23  
Nitrobenzene-d5  
Concen: 76.18 ng  
RT: 7.31 min Scan# 457  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

| Tot Ion   | 82   | Resp  | 1141520 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 128       | 41.4 | 34.6  | 51.8    |
| 54        | 58.7 | 38.4  | 57.6    |

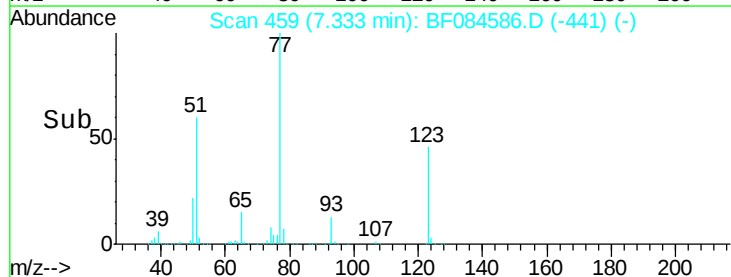
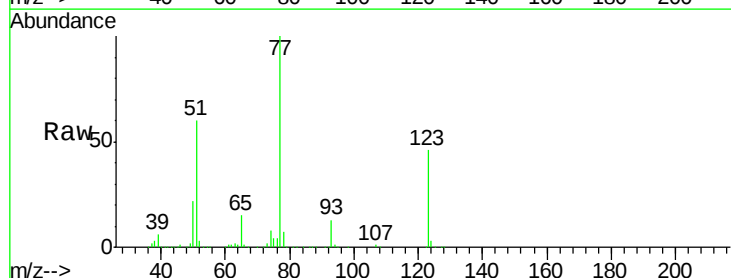
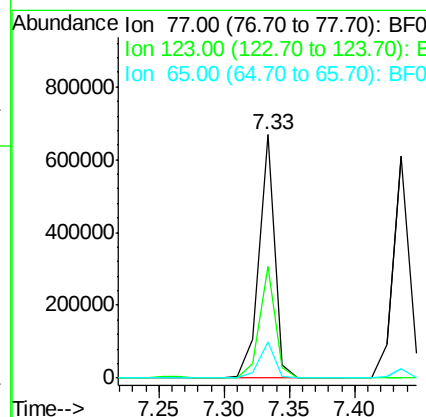
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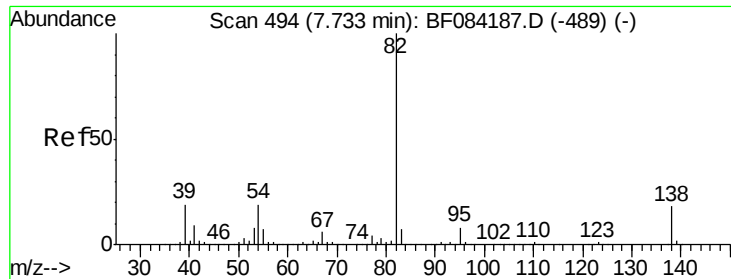
mohammad  
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#24  
Nitrobenzene  
Concen: 36.94 ng  
RT: 7.33 min Scan# 459  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion   | 77   | Resp  | 561427 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 46.0 | 37.4  | 56.2   |
| 65        | 14.7 | 10.9  | 16.3   |





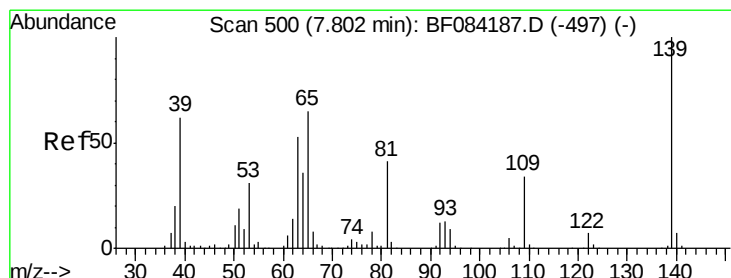
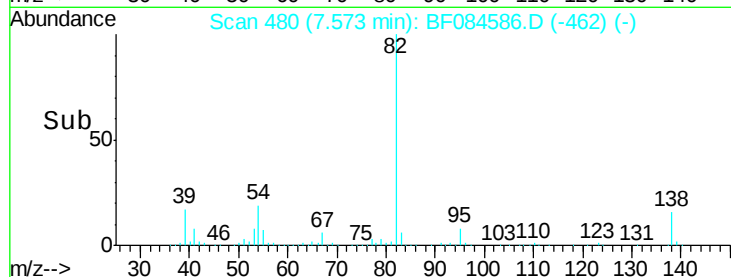
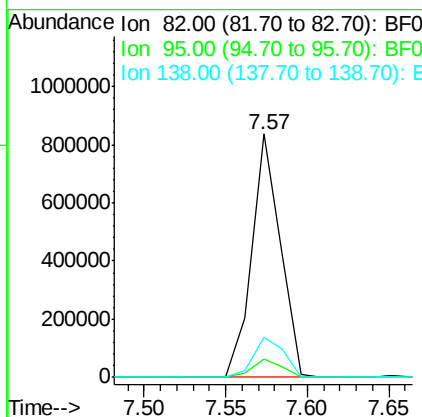
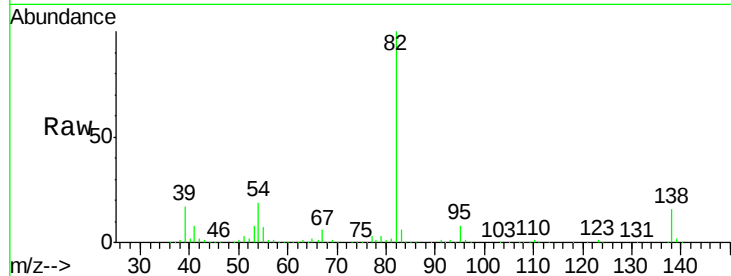
#25  
Isophorone  
Concen: 35.38 ng  
RT: 7.57 min Scan# 480  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

Tot Ion: 82 Resp: 1013938  
Ion Ratio Lower Upper  
82 100  
95 7.5 6.6 10.0  
138 16.4 13.6 20.4

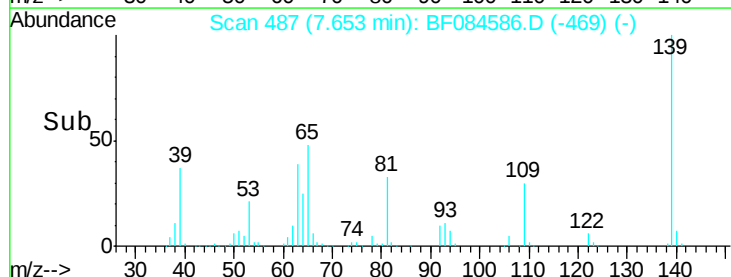
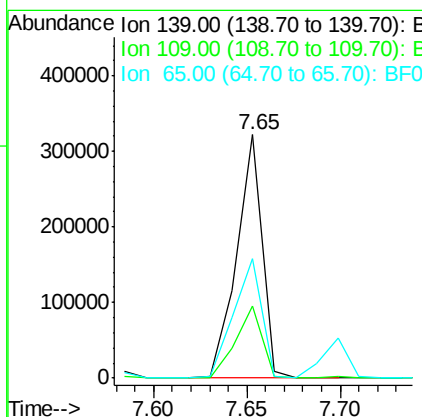
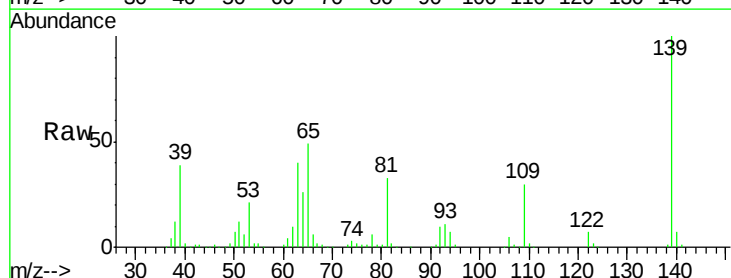
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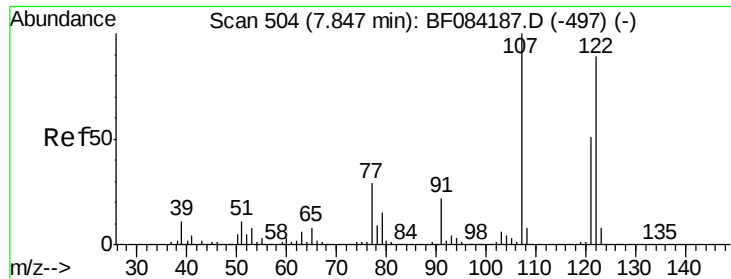
mohammad  
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#26  
2-Nitrophenol  
Concen: 44.56 ng  
RT: 7.65 min Scan# 487  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Tgt Ion: 139 Resp: 308186  
Ion Ratio Lower Upper  
139 100  
109 29.7 25.4 38.2  
65 48.9 32.3 48.5#





#27

2,4-Dimethylphenol

Concen: 36.79 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

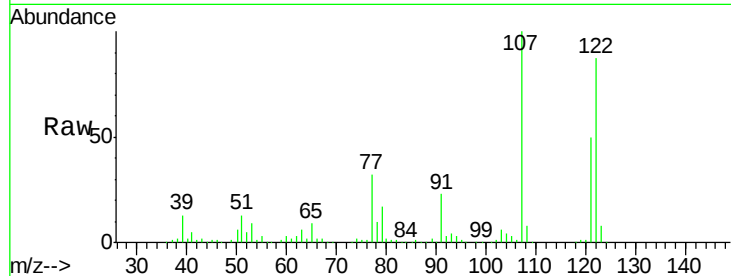
ClientSampleId :

PB87895BS

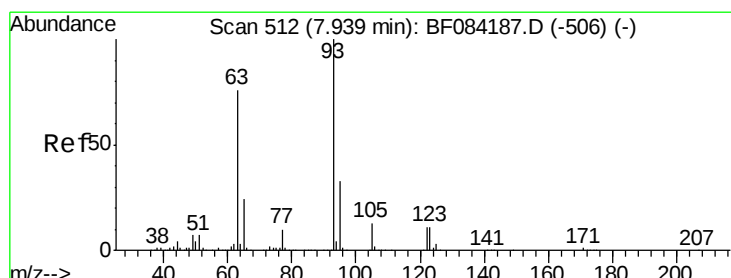
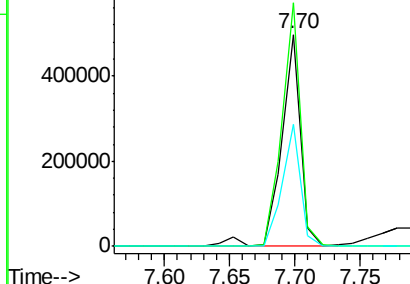
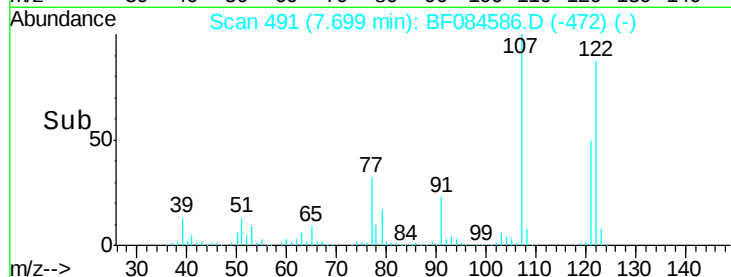
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 515026 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 114.8 | 99.1  | 148.7  |
| 121       | 57.5  | 47.9  | 71.9   |

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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: 35.48 ng

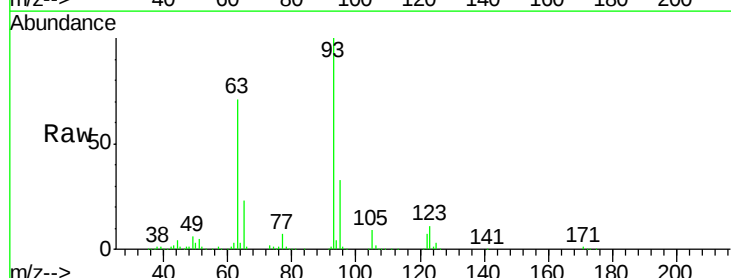
RT: 7.79 min Scan# 499

Delta R.T. -0.09 min

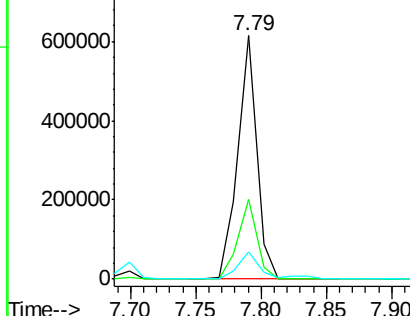
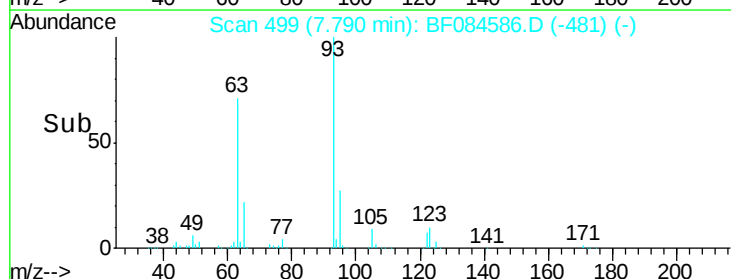
Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 621023 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 32.8  | 25.8  | 38.6   |
| 123       | 11.3  | 8.6   | 12.8   |



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: 37.23 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

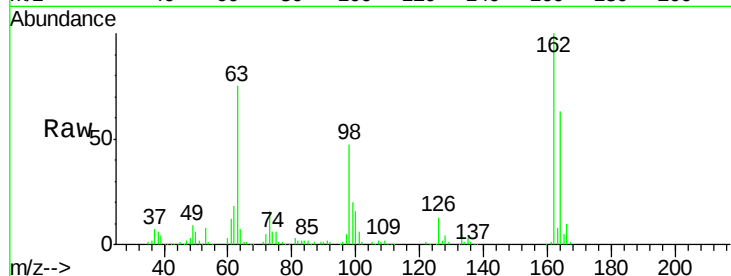
ClientSampleID :

PB87895BS

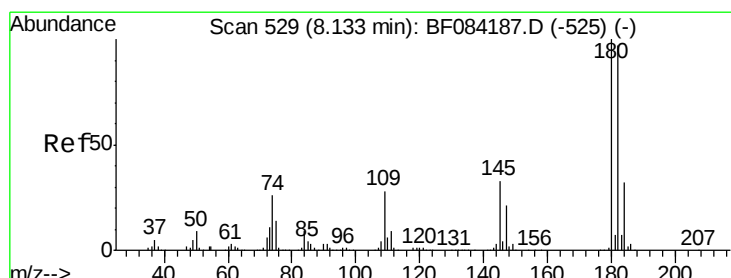
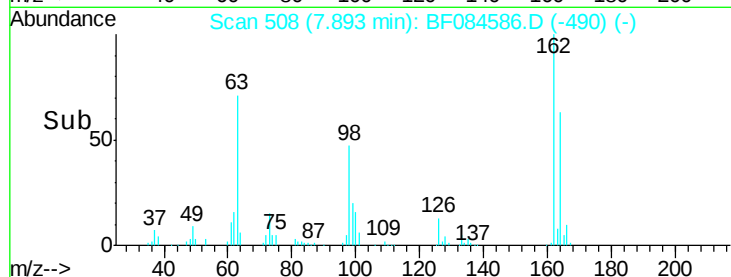
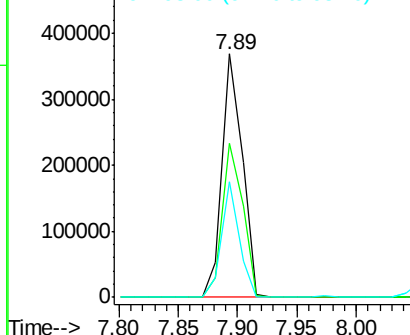
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 434146 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 63.3  | 44.1  | 84.1   |
| 98        | 47.4  | 20.2  | 60.2   |

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Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 37.38 ng

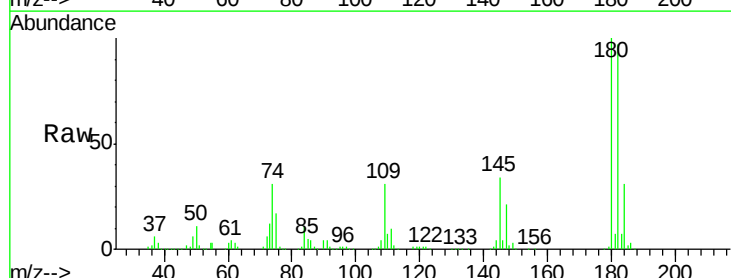
RT: 7.97 min Scan# 515

Delta R.T. -0.09 min

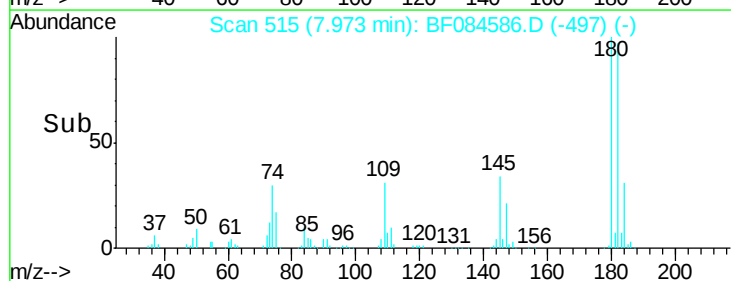
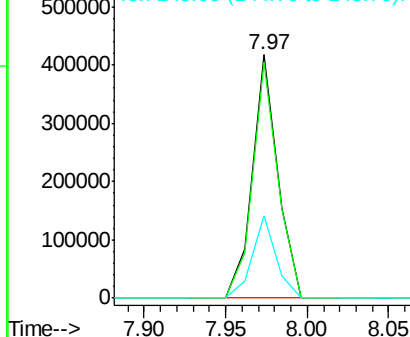
Lab File: BF084586.D

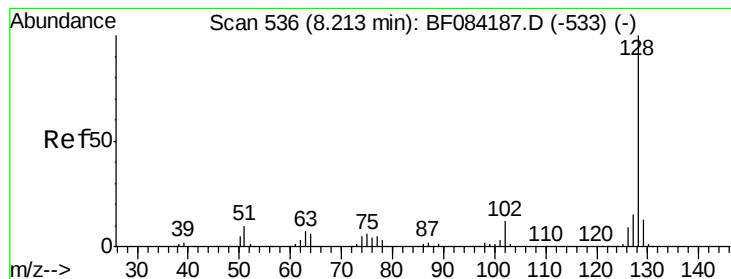
Acq: 22 Jan 2016 13:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 450045 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.7  | 76.4  | 114.6  |
| 145       | 33.8  | 31.6  | 47.4   |



Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 37.64 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

ClientSampleId :

PB87895BS

Tot Ion:128 Resp: 1423978

Ion Ratio Lower Upper

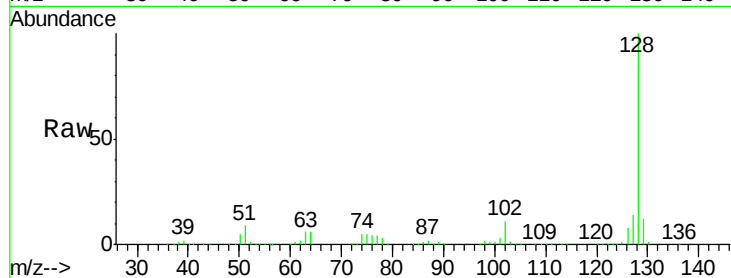
128 100

129 12.0 9.1 13.7

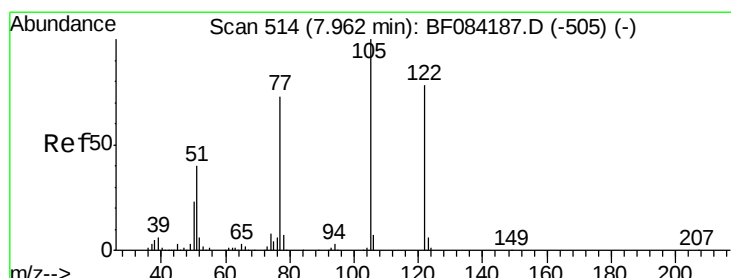
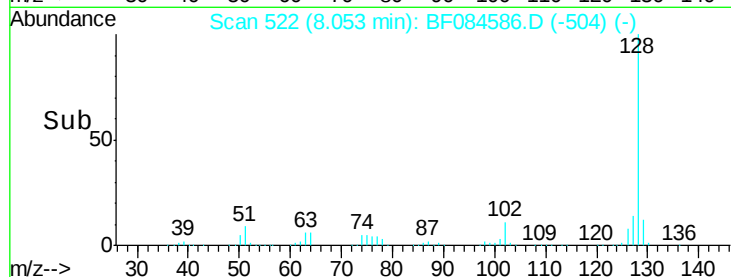
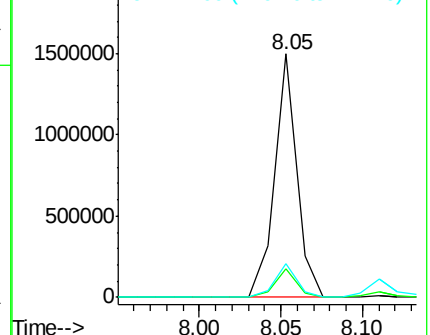
127 13.8 11.1 16.7

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Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 36.31 ng

RT: 7.82 min Scan# 502

Delta R.T. -0.07 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

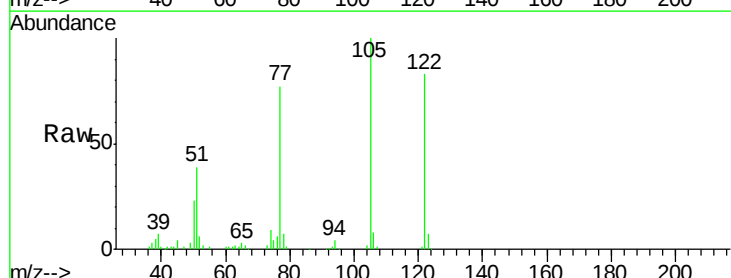
Tgt Ion:122 Resp: 311256

Ion Ratio Lower Upper

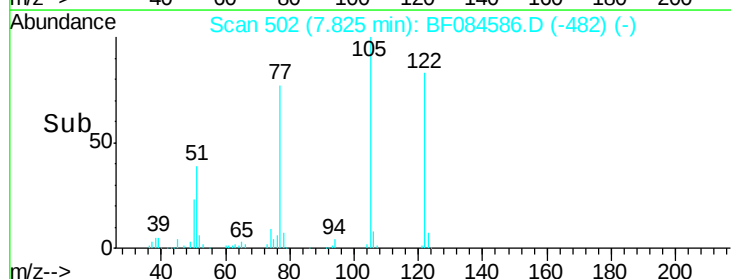
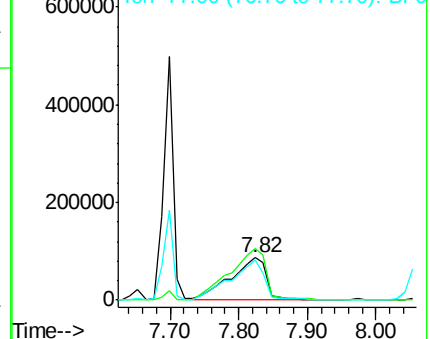
122 100

105 120.0 100.3 140.3

77 92.9 63.5 103.5



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0





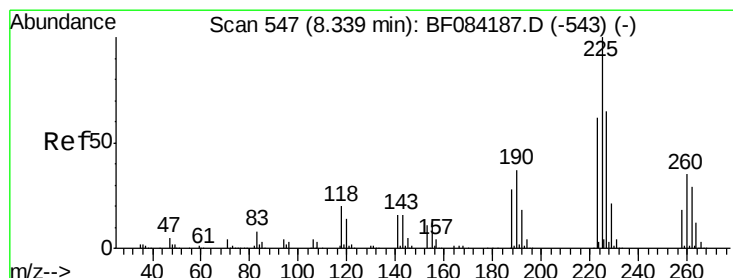
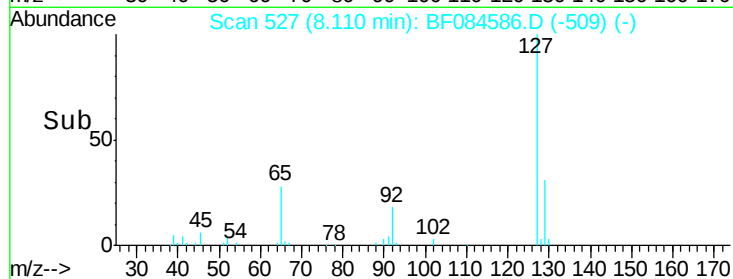
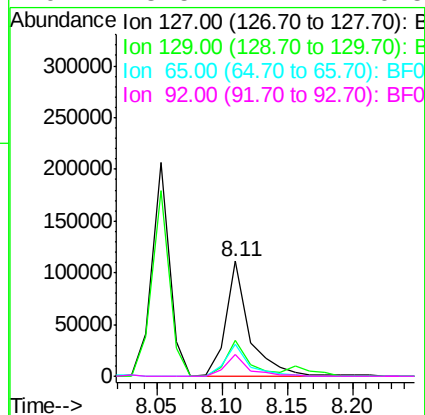
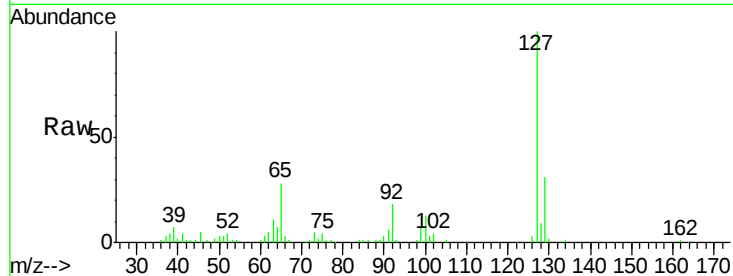
#33  
4-Chloroaniline  
Concen: 7.95 ng  
RT: 8.11 min Scan# 527  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 31.3 | 26.5  | 39.7 |       |       |
| 65      | 28.1 | 27.2  | 40.8 |       |       |
| 92      | 18.5 | 17.7  | 26.5 |       |       |

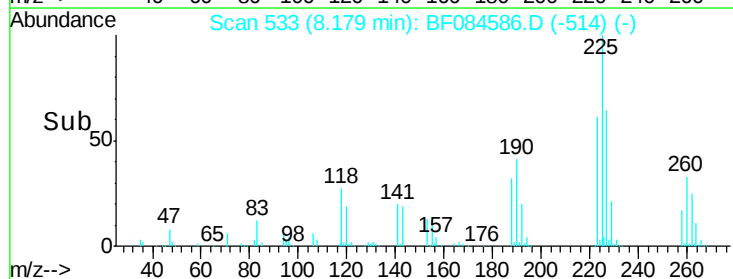
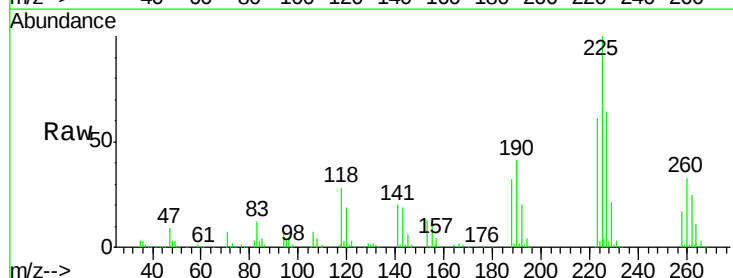
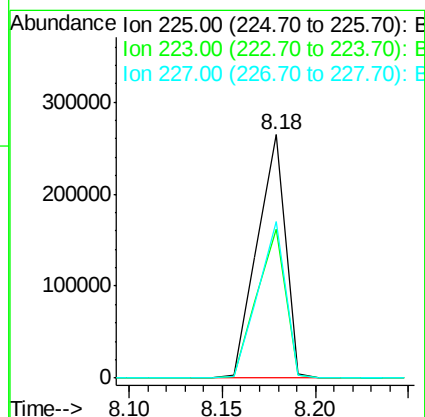
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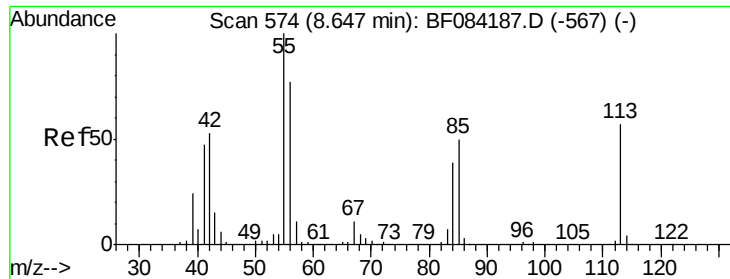
mohammad  
1/25/2016 2:58:33 PM



#34  
Hexachlorobutadiene  
Concen: 40.03 ng  
RT: 8.18 min Scan# 533  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 61.2 | 49.4  | 74.0 |       |       |
| 227     | 64.2 | 50.8  | 76.2 |       |       |





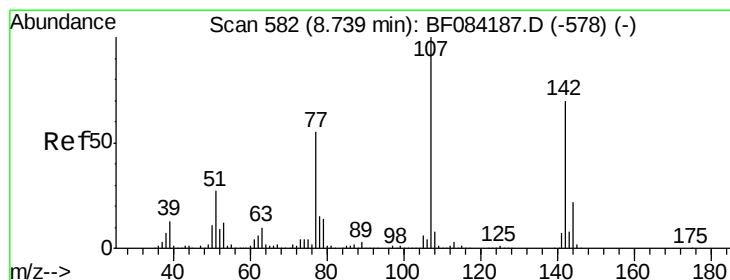
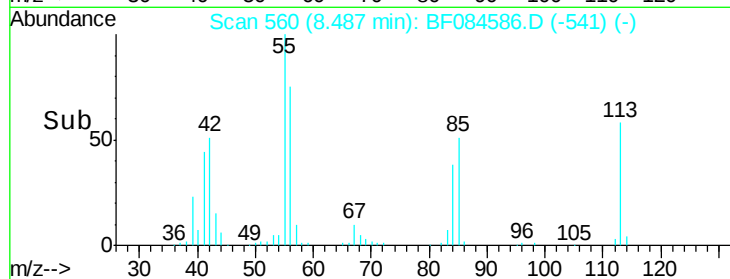
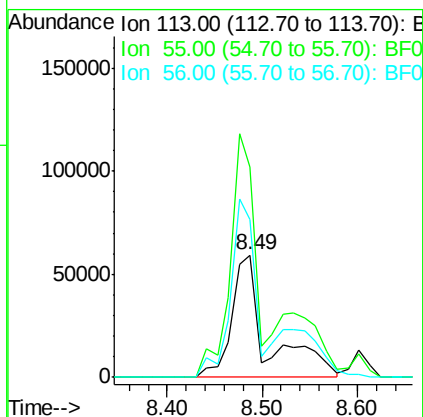
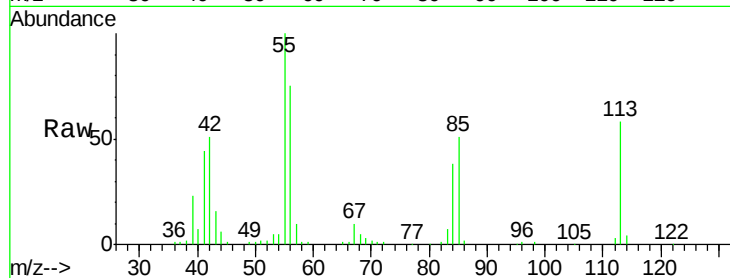
#35  
Caprolactam  
Concen: 39.18 ng/ml  
RT: 8.49 min Scan# 560  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 113     | 100   |       |        |
| 55      | 172.2 | 116.9 | 156.9# |
| 56      | 129.6 | 93.8  | 133.8  |

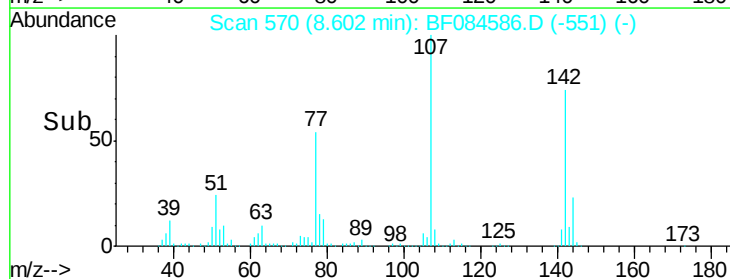
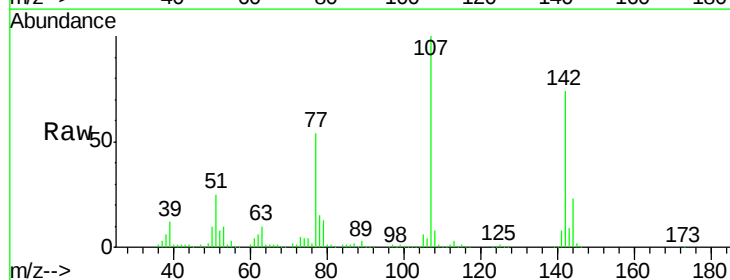
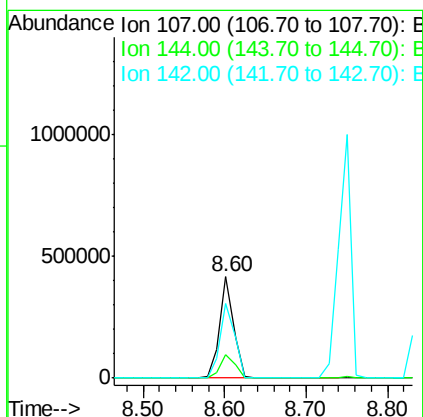
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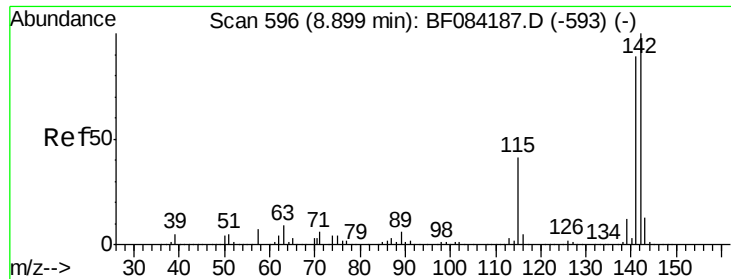
mohammad  
1/25/2016 2:58:33 PM



#36  
4-Chloro-3-methylphenol  
Concen: 37.57 ng/ml  
RT: 8.60 min Scan# 570  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 22.9  | 19.7  | 29.5  |
| 142     | 73.6  | 61.8  | 92.6  |





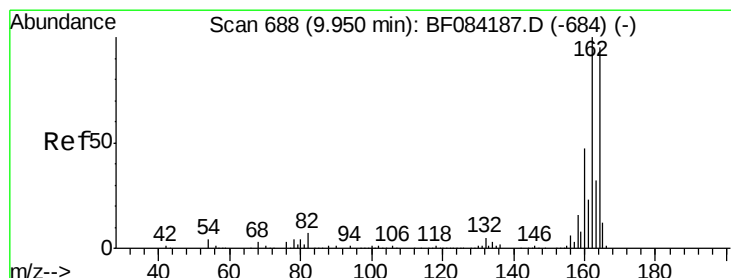
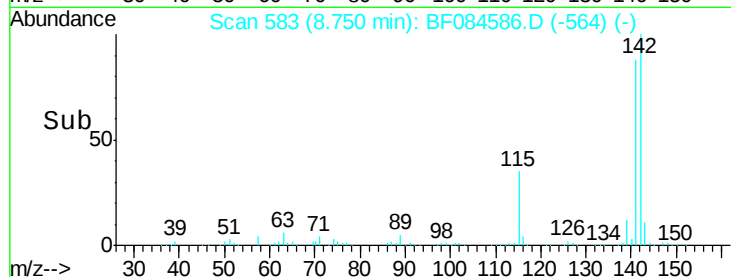
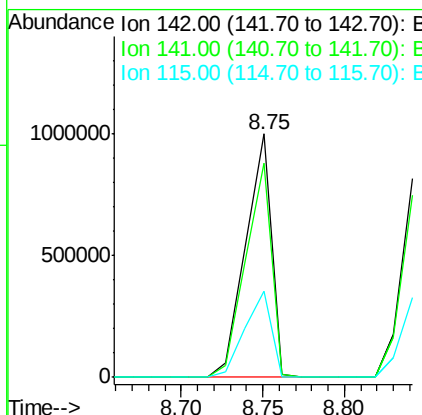
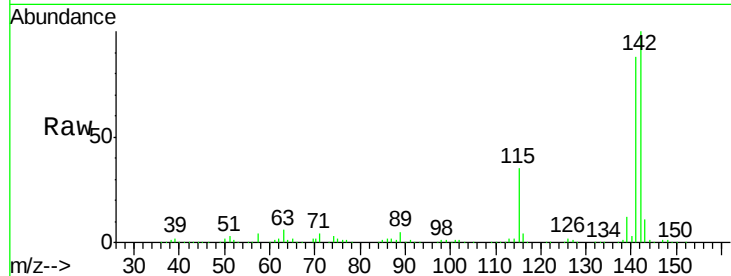
#37  
2-Methylnaphthalene  
Concen: 40.32 ng  
RT: 8.75 min Scan# 583  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

Tot Ion:142 Resp: 1095005  
Ion Ratio Lower Upper  
142 100  
141 87.8 72.4 108.6  
115 35.4 27.9 41.9

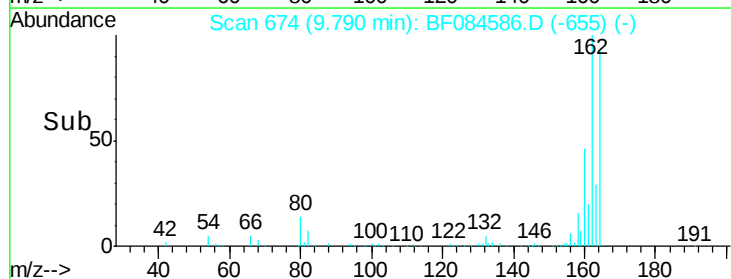
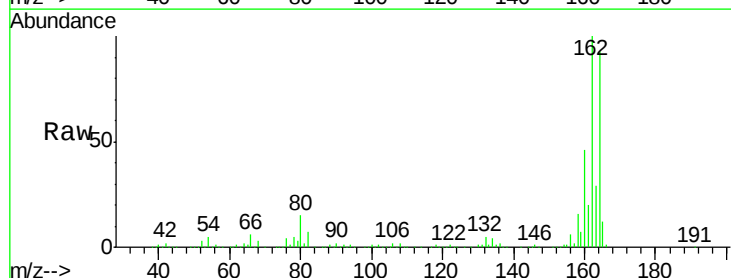
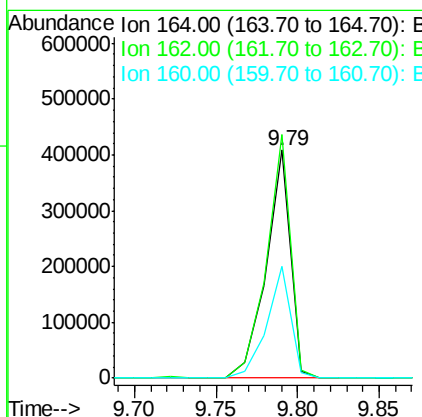
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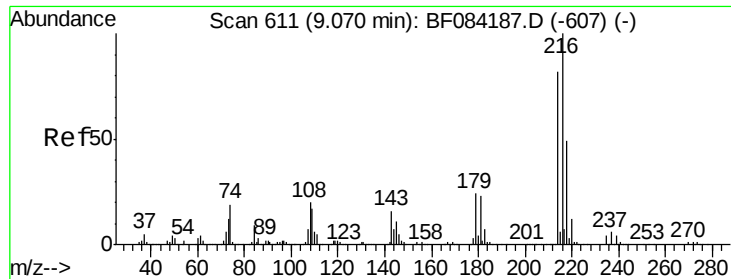
mohammad  
1/25/2016 2:58:33 PM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.79 min Scan# 674  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Tgt Ion:164 Resp: 419969  
Ion Ratio Lower Upper  
164 100  
162 107.0 85.1 127.7  
160 48.9 37.5 56.3





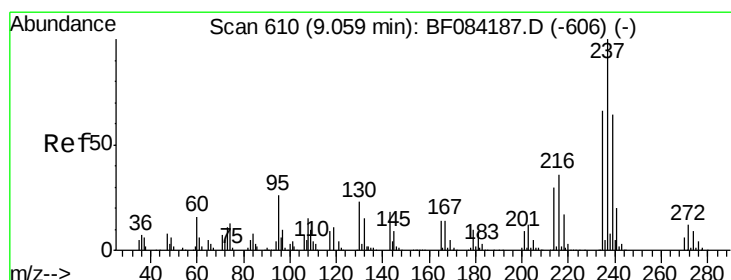
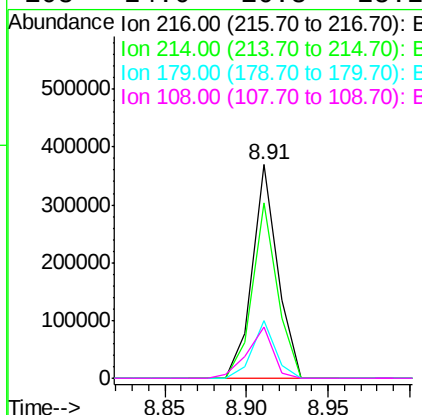
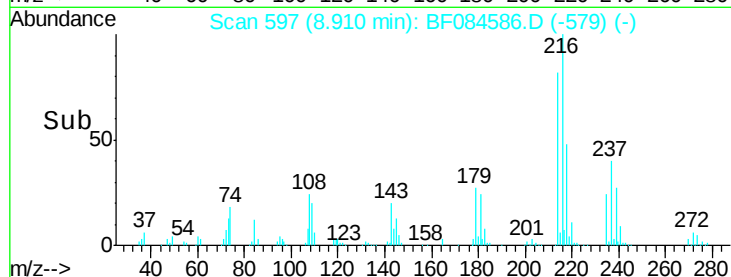
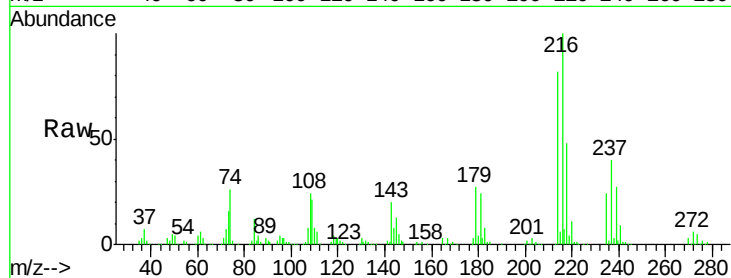
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 33.22 ng  
 RT: 8.91 min Scan# 597  
 Delta R.T. -0.09 min  
 Lab File: BF084586.D  
 Acq: 22 Jan 2016 13:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87895BS

Manual Integrations  
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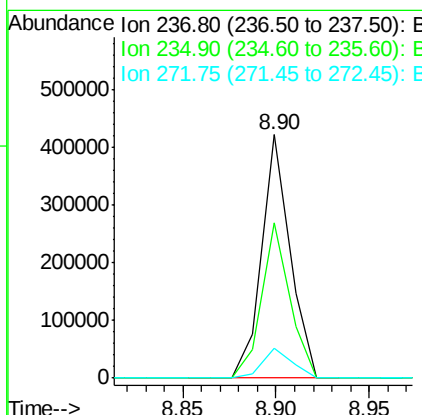
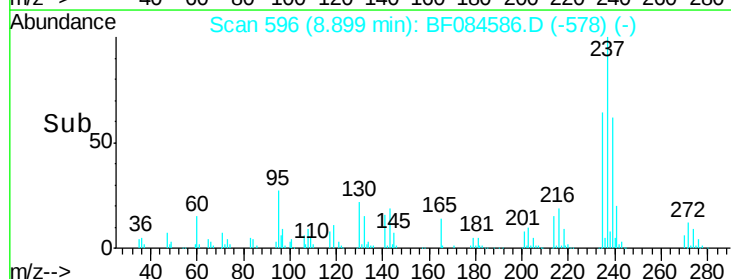
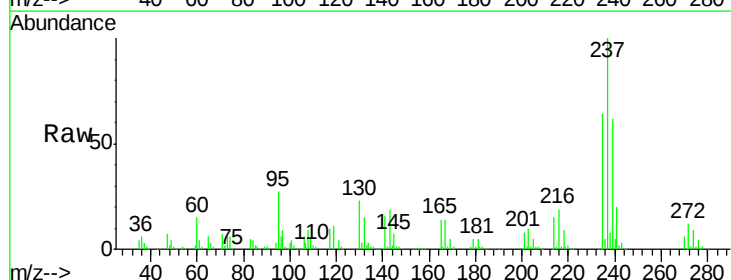
mohammad  
 1/25/2016 2:58:33 PM

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 216     | 100  |       | 401111 |       |       |
| 214     | 80.5 | 64.2  | 96.2   |       |       |
| 179     | 24.2 | 18.7  | 28.1   |       |       |
| 108     | 24.0 | 16.8  | 25.2   |       |       |



#40  
 Hexachlorocyclopentadiene  
 Concen: 60.83 ng  
 RT: 8.90 min Scan# 596  
 Delta R.T. -0.09 min  
 Lab File: BF084586.D  
 Acq: 22 Jan 2016 13:45

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 237     | 100  |       | 443321 |       |       |
| 235     | 64.0 | 43.1  | 83.1   |       |       |
| 272     | 12.1 | 0.0   | 35.1   |       |       |





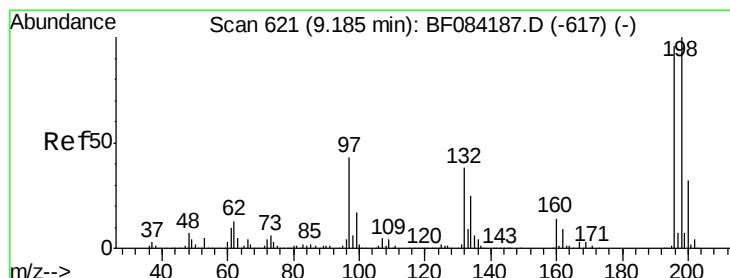
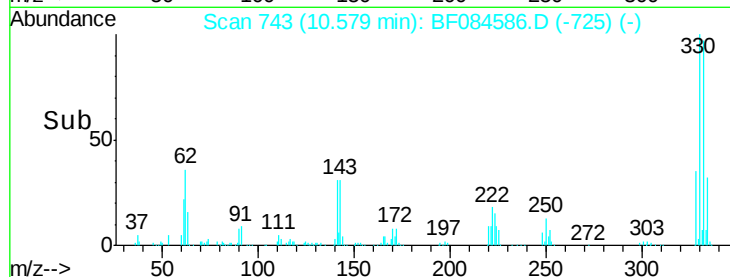
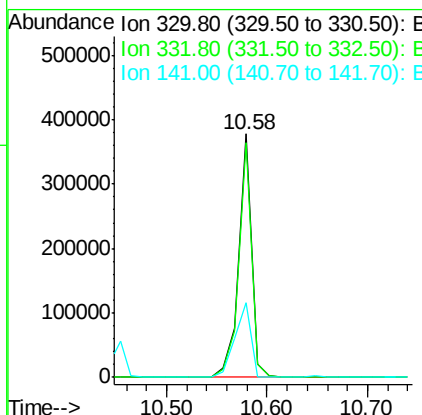
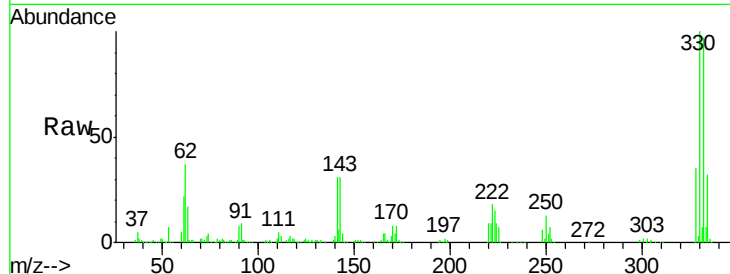
#41  
 2,4,6-Tribromophenol  
 Concen: 79.99 ng  
 RT: 10.58 min Scan# 743  
 Delta R.T. -0.09 min  
 Lab File: BF084586.D  
 Acq: 22 Jan 2016 13:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87895BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 339160 |       |       |
| 332     | 95.9  | 76.6   | 114.8 |       |
| 141     | 38.3  | 27.8   | 41.6  |       |

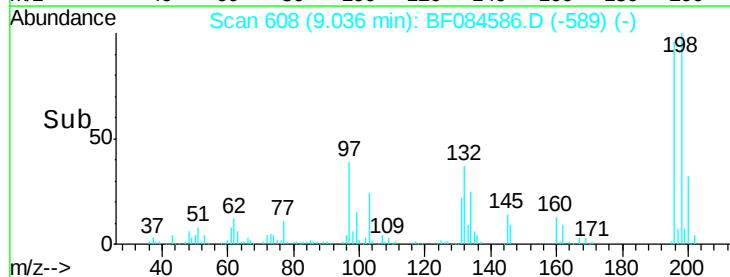
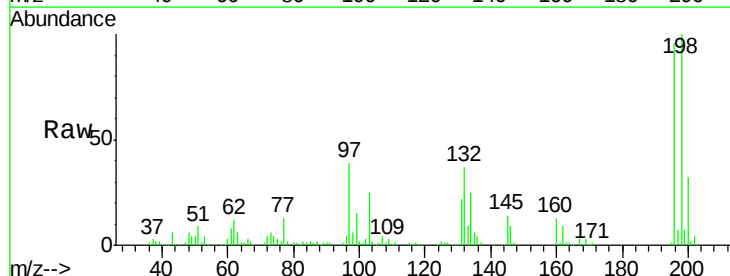
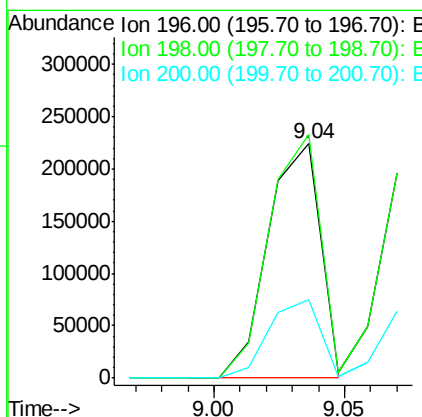
Manual Integrations  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 34.35 ng  
 RT: 9.04 min Scan# 608  
 Delta R.T. -0.08 min  
 Lab File: BF084586.D  
 Acq: 22 Jan 2016 13:45

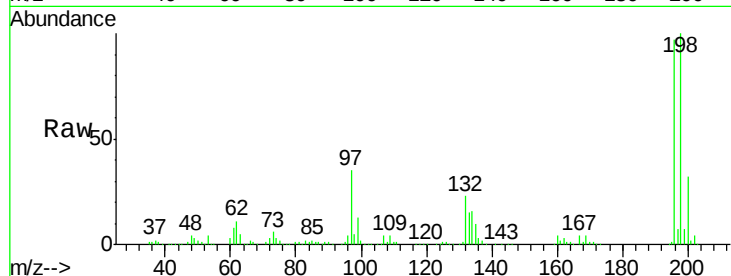
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 310279 |       |       |
| 198     | 103.9 | 77.7   | 116.5 |       |
| 200     | 33.6  | 24.6   | 37.0  |       |





#43  
 2,4,5-Trichlorophenol  
 Concen: 38.42 ng  
 RT: 9.08 min Scan# 612  
 Delta R.T. -0.08 min  
 Lab File: BF084586.D  
 Acq: 22 Jan 2016 13:45

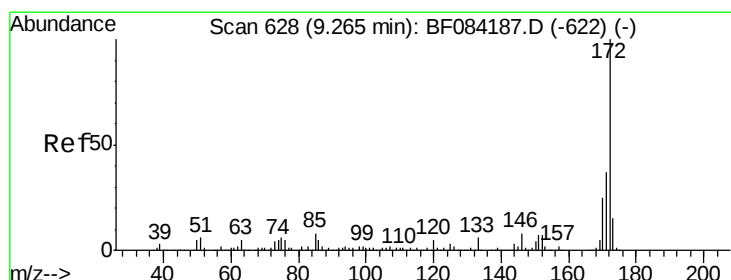
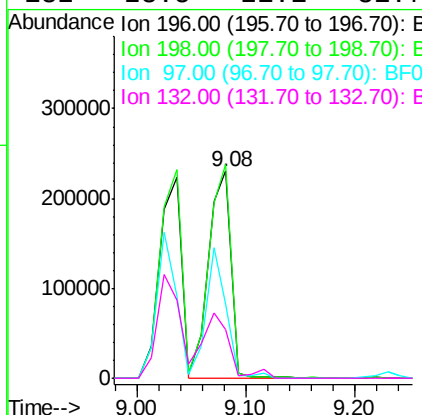
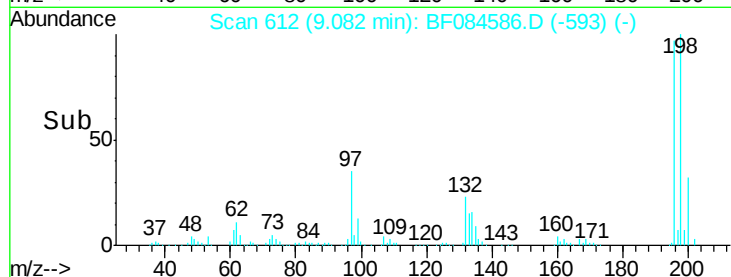
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87895BS



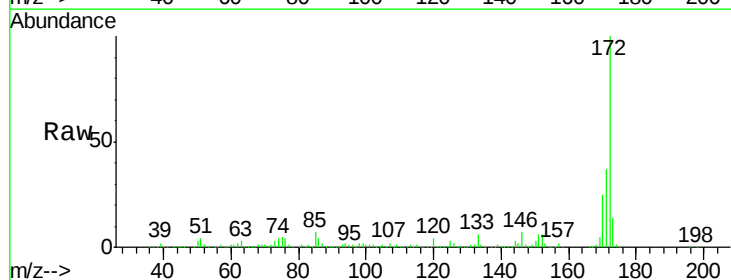
| Tot Ion   | 196   | Resp  | 332675 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 103.2 | 79.0  | 118.6  |
| 97        | 36.0  | 33.0  | 49.6   |
| 132       | 23.5  | 21.1  | 31.7   |

Manual Integrations  
 APPROVED

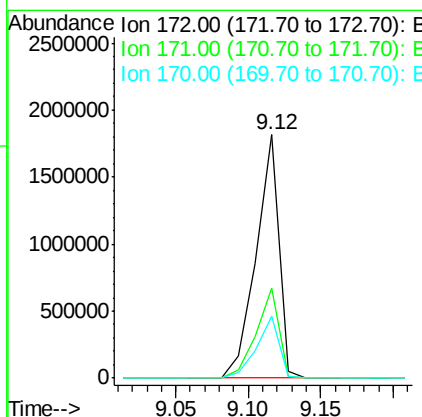
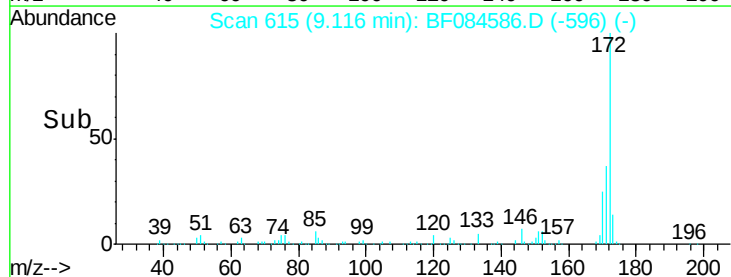
mohammad  
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#44  
 2-Fluorobiphenyl  
 Concen: 82.92 ng  
 RT: 9.12 min Scan# 615  
 Delta R.T. -0.08 min  
 Lab File: BF084586.D  
 Acq: 22 Jan 2016 13:45



| Tgt Ion   | 172   | Resp  | 1983244 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 37.1  | 28.9  | 43.3    |
| 170       | 25.3  | 18.6  | 27.8    |





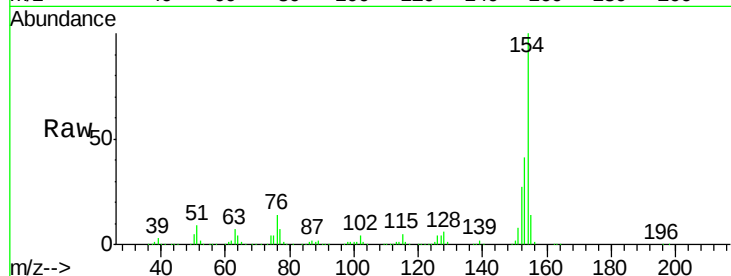
#45  
1,1'-Biphenyl  
Concen: 36.11 ng  
RT: 9.21 min Scan# 623  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

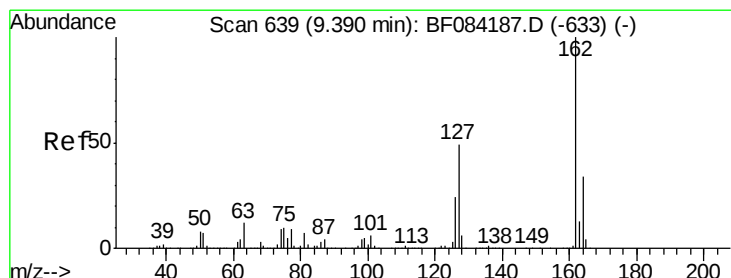
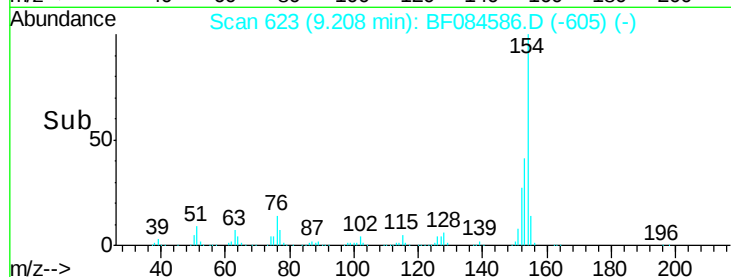
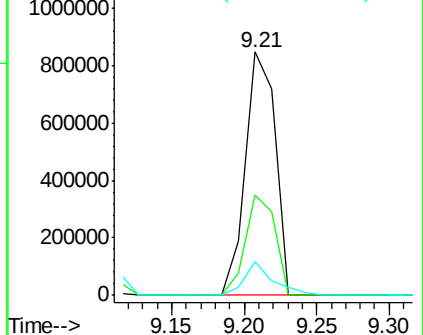
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.0  | 21.6  | 61.6  |
| 76      | 13.6  | 0.0   | 32.7  |

Manual Integrations  
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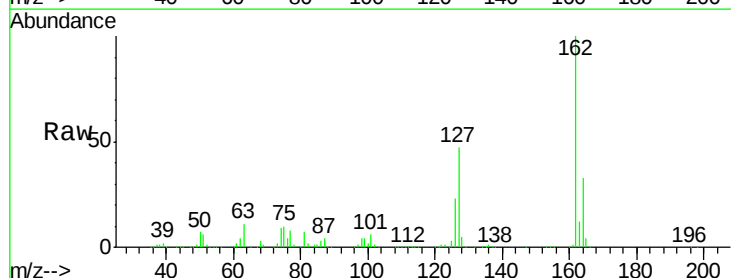


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0

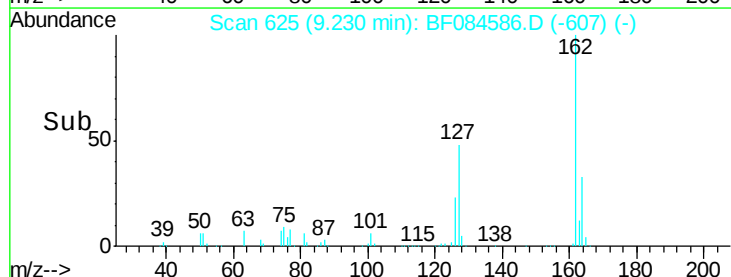
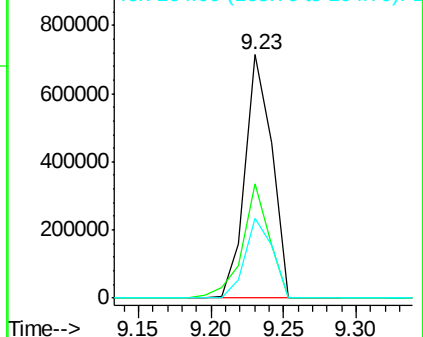


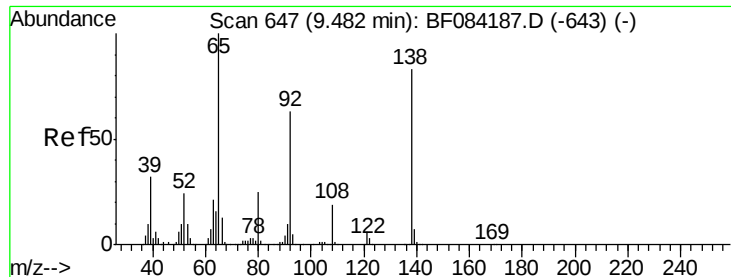
#46  
2-Chloronaphthalene  
Concen: 34.91 ng  
RT: 9.23 min Scan# 625  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 47.1  | 40.2  | 60.4  |
| 164     | 32.9  | 25.7  | 38.5  |



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





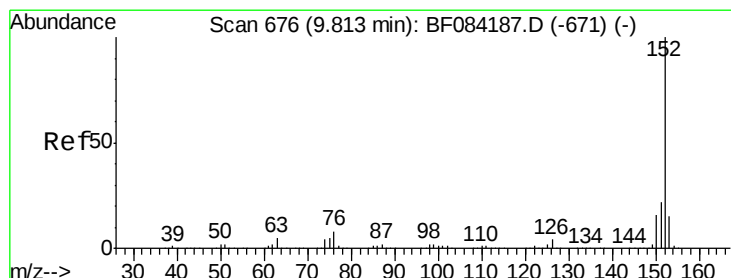
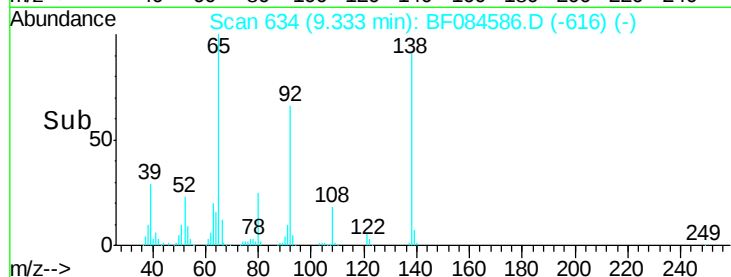
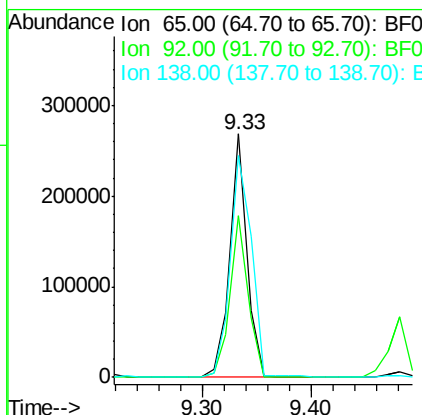
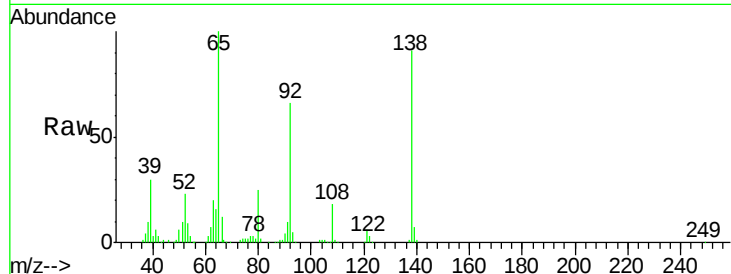
#47  
2-Nitroaniline  
Concen: 33.67 ng  
RT: 9.33 min Scan# 634  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 66.2  | 53.4  | 80.2  |
| 138     | 91.0  | 71.1  | 106.7 |

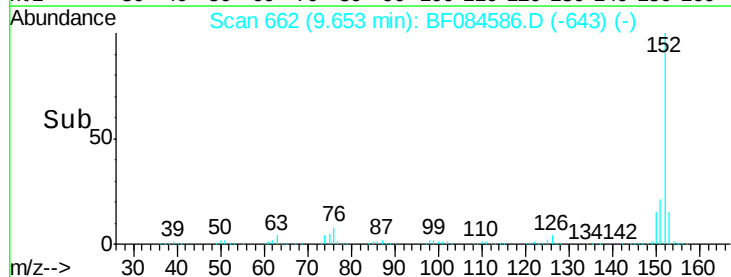
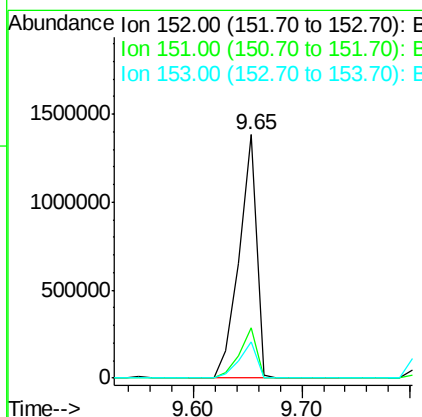
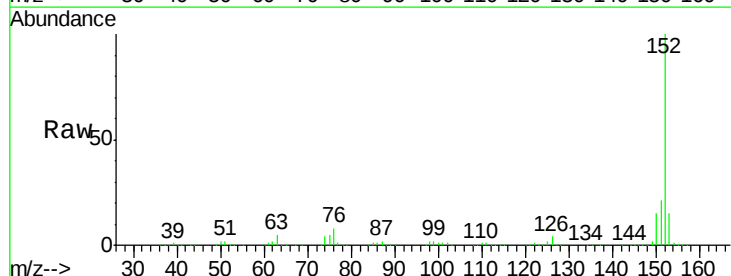
Manual Integrations  
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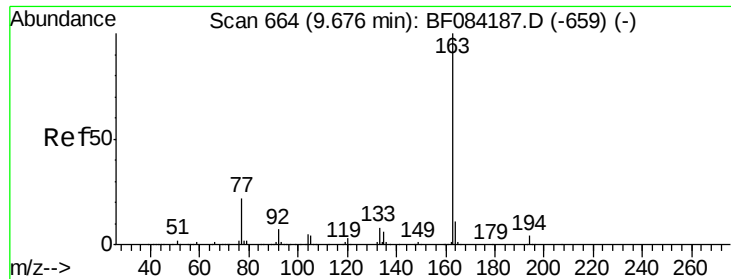
mohammad  
1/25/2016 2:58:33 PM



#48  
Acenaphthylene  
Concen: 39.05 ng  
RT: 9.65 min Scan# 662  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.8  | 16.3  | 24.5  |
| 153     | 14.8  | 10.4  | 15.6  |





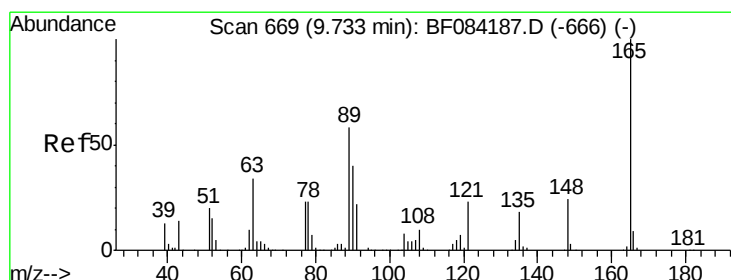
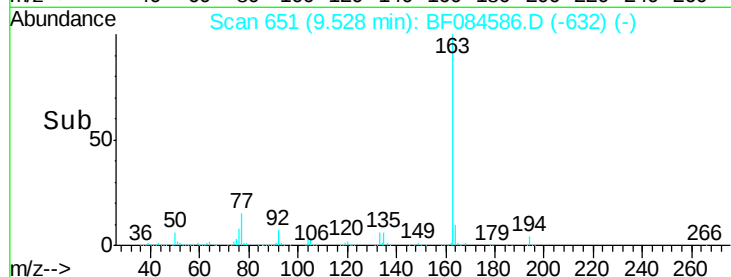
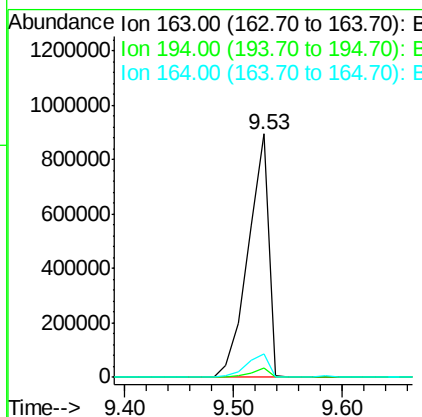
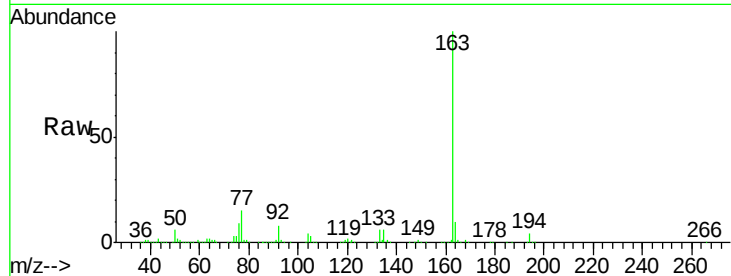
#49  
Dimethylphthalate  
Concen: 38.95 ng  
RT: 9.53 min Scan# 651  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.6   | 8.0   | 12.0# |
| 164     | 9.7   | 8.0   | 12.0  |

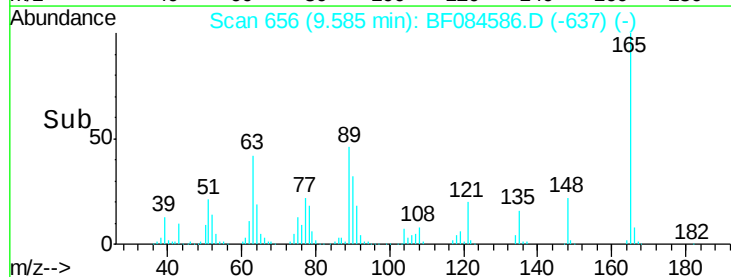
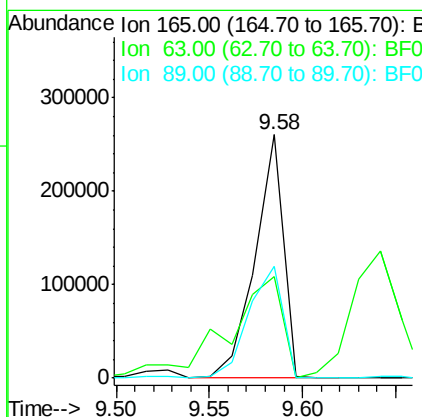
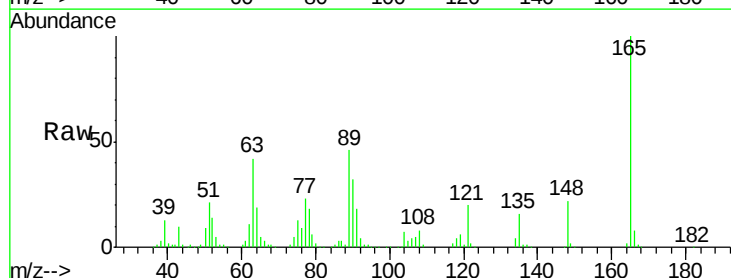
Manual Integrations  
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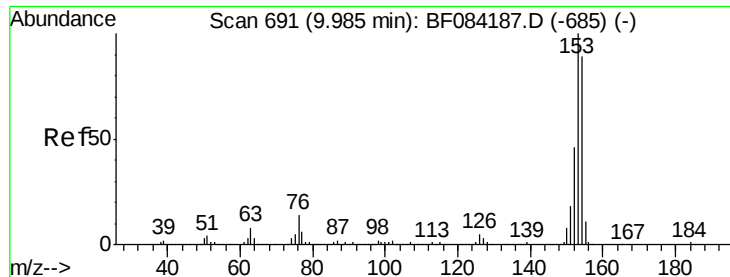
mohammad  
1/25/2016 2:58:33 PM



#50  
2,6-Dinitrotoluene  
Concen: 41.33 ng  
RT: 9.58 min Scan# 656  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 41.5  | 28.8  | 43.2  |
| 89      | 45.9  | 35.1  | 52.7  |





#51

Acenaphthene

Concen: 39.53 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

ClientSampleId :

PB87895BS

Tot Ion:154 Resp: 1027192

Ion Ratio Lower Upper

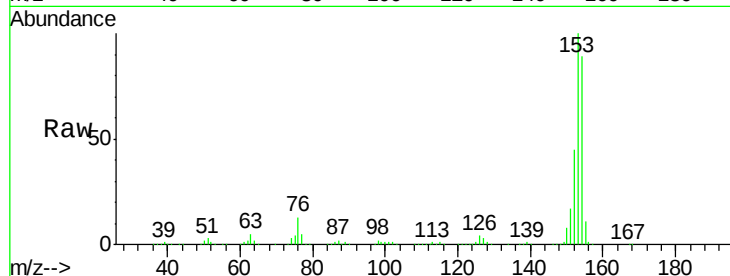
154 100

153 112.0 91.5 137.3

152 50.7 43.0 64.6

Manual Integrations  
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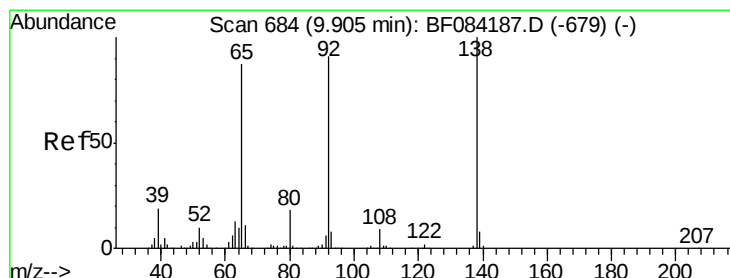
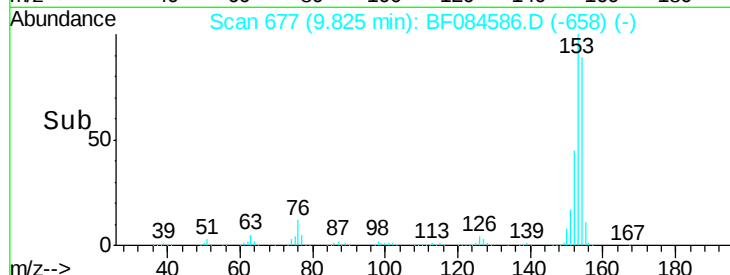
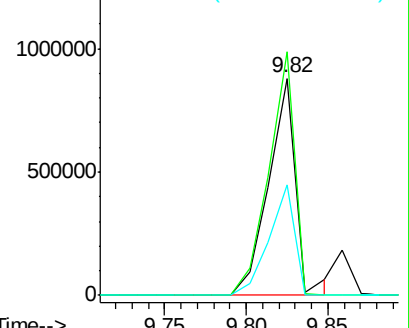
mohammad  
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 12.69 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

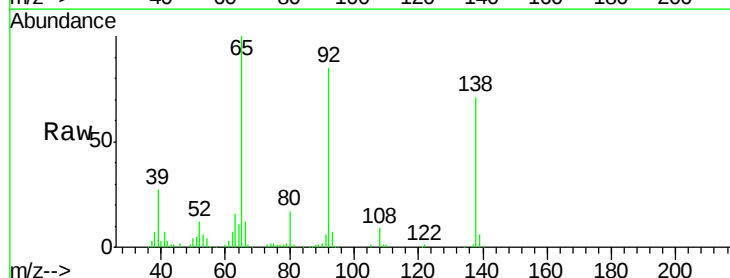
Tgt Ion:138 Resp: 103567

Ion Ratio Lower Upper

138 100

108 12.3 10.5 15.7

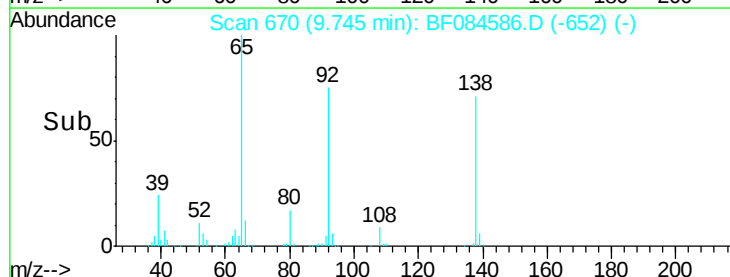
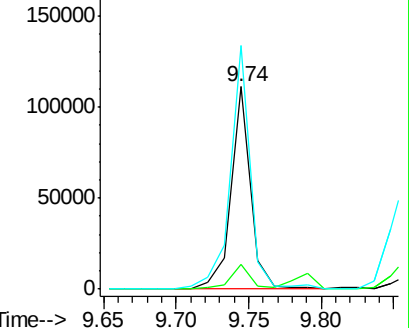
92 120.5 103.9 155.9



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





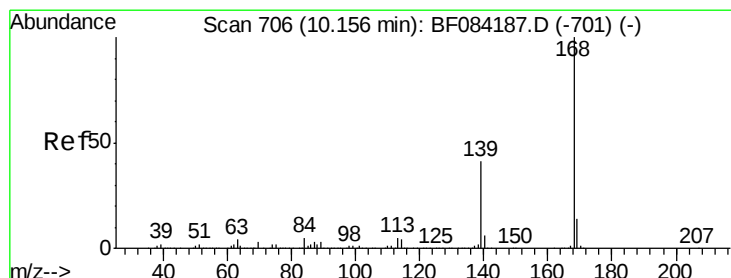
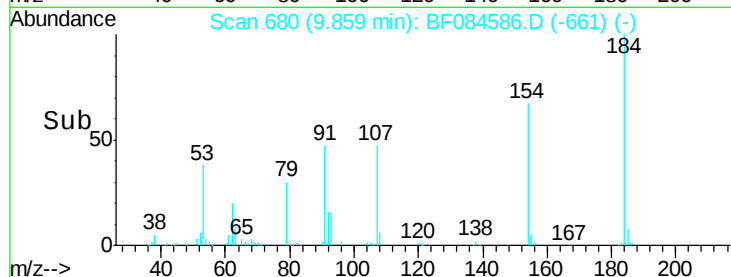
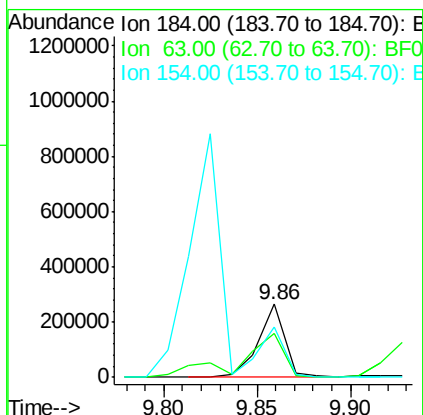
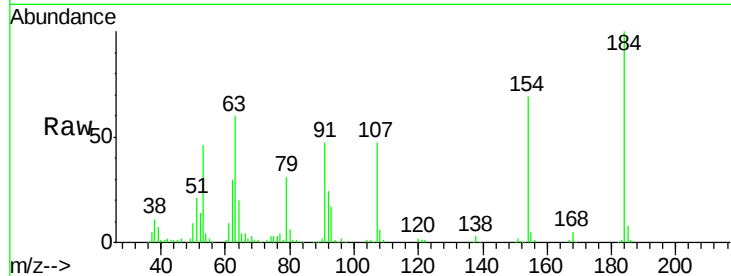
#53  
2,4-Dinitrophenol  
Concen: 92.16 ng  
RT: 9.86 min Scan# 680  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 260102 |       |       |
| 63      | 59.9  | 43.1   | 64.7  |       |
| 154     | 69.0  | 60.5   | 90.7  |       |

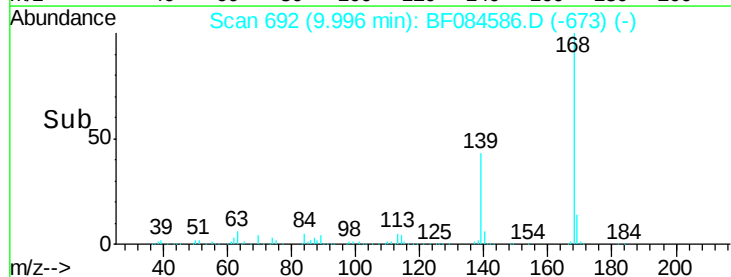
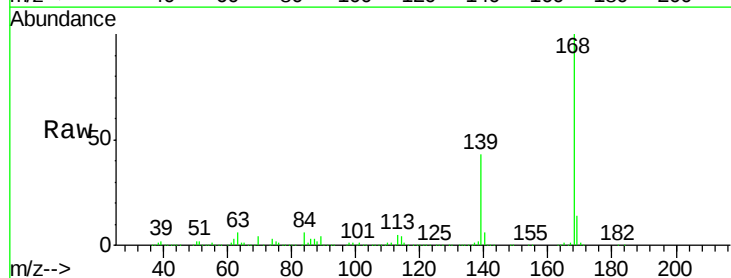
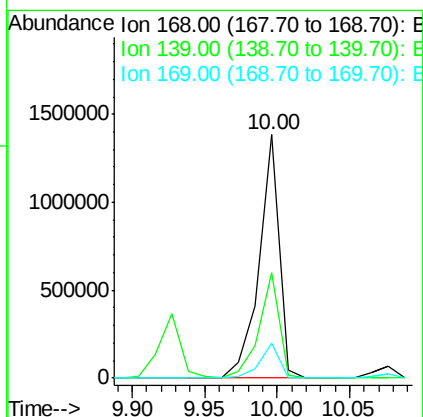
Manual Integrations  
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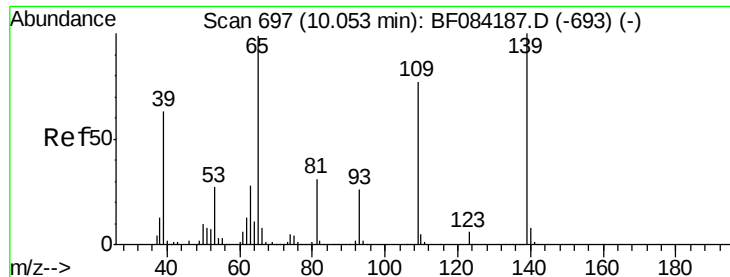
mohammad  
1/25/2016 2:58:33 PM



#54  
Dibenzofuran  
Concen: 39.08 ng  
RT: 10.00 min Scan# 692  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 168     | 100   | 1328139 |       |       |
| 139     | 43.1  | 30.5    | 45.7  |       |
| 169     | 14.3  | 10.4    | 15.6  |       |





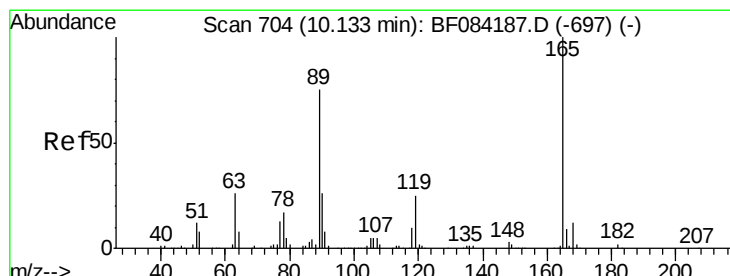
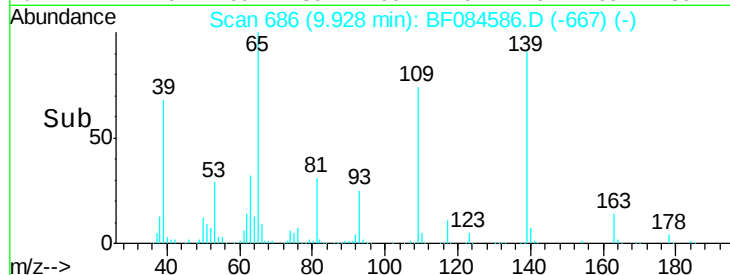
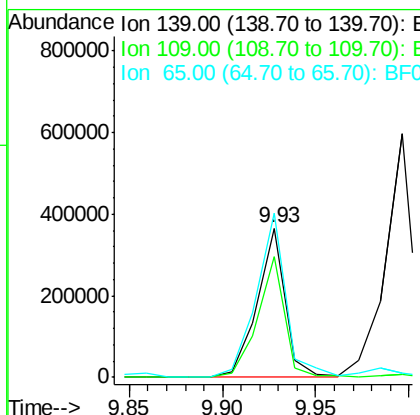
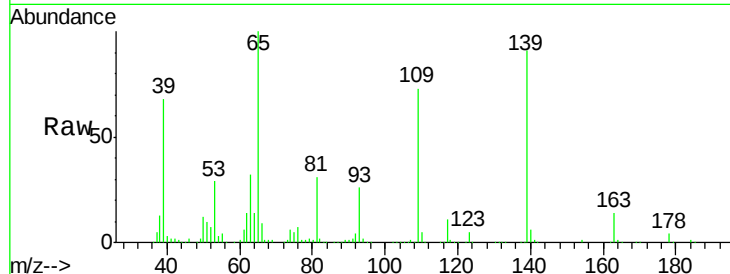
#55  
4-Nitrophenol  
Concen: 65.02 ng  
RT: 9.93 min Scan# 686  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 385112 |       |       |
| 109     | 80.8  | 58.5   | 98.5  |       |
| 65      | 110.3 | 57.6   | 97.6  |       |

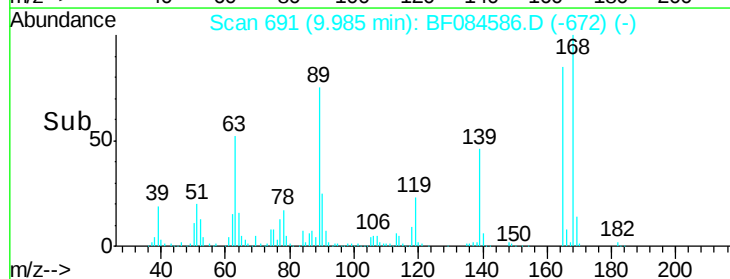
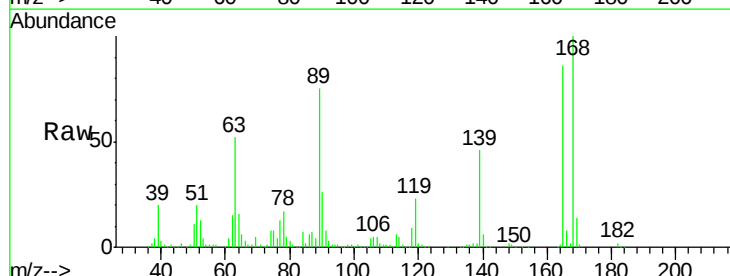
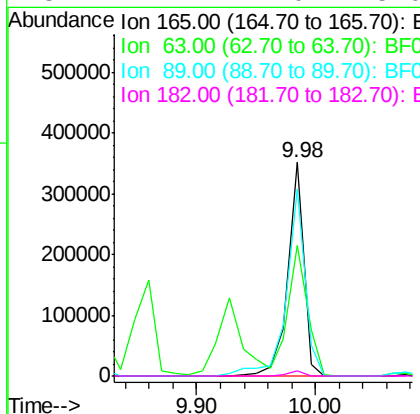
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#56  
2,4-Dinitrotoluene  
Concen: 38.69 ng  
RT: 9.98 min Scan# 691  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 322472 |       |       |
| 63      | 60.9  | 36.7   | 55.1  |       |
| 89      | 87.3  | 61.9   | 92.9  |       |
| 182     | 2.2   | 2.0    | 3.0   |       |





#57

Fluorene

Concen: 41.15 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

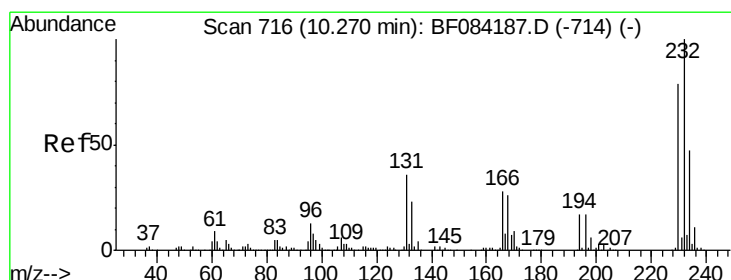
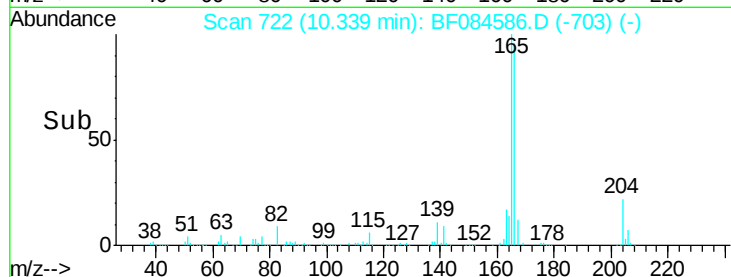
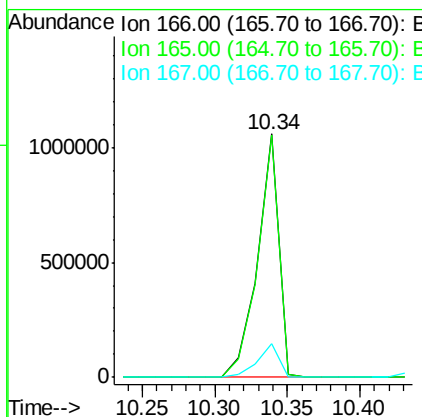
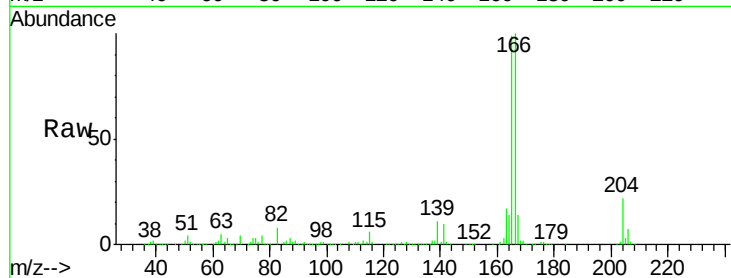
ClientSampled :

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|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 166   | Resp: | 1076129 |
| Ion Ratio | Lower | Upper |         |
| 166       | 100   |       |         |
| 165       | 99.3  | 79.1  | 118.7   |
| 167       | 13.6  | 10.4  | 15.6    |



#58

2,3,4,6-Tetrachlorophenol

Concen: 34.86 ng

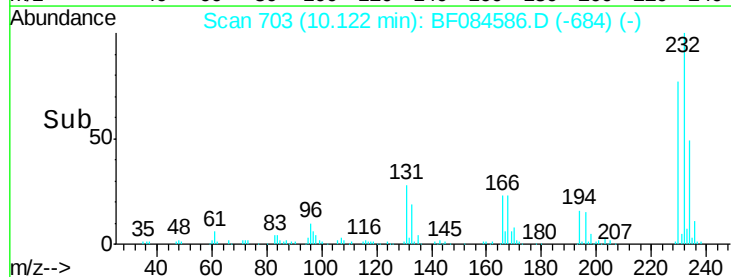
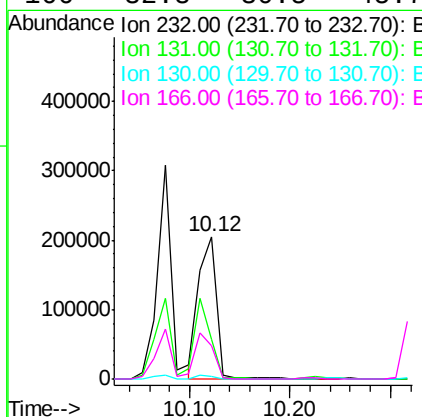
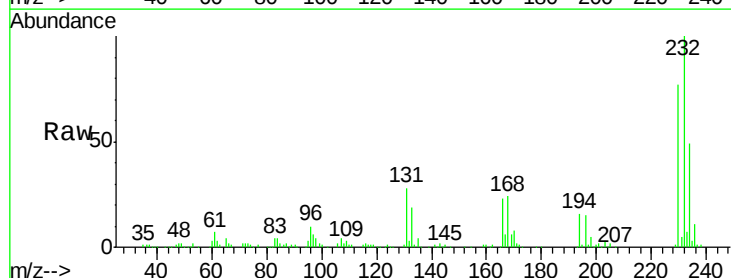
RT: 10.12 min Scan# 703

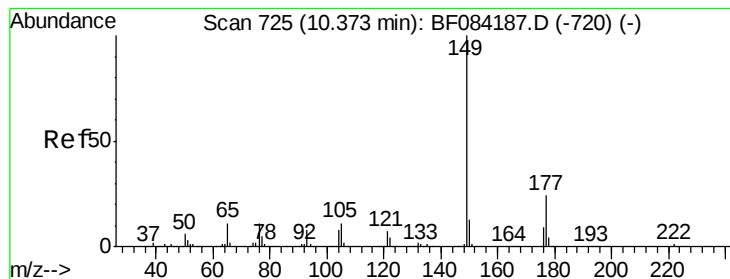
Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 232   | Resp: | 257704 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 52.3  | 47.0  | 70.6   |
| 130       | 2.4   | 2.0   | 3.0    |
| 166       | 32.8  | 30.5  | 45.7   |





#59

Diethylphthalate

Concen: 39.51 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

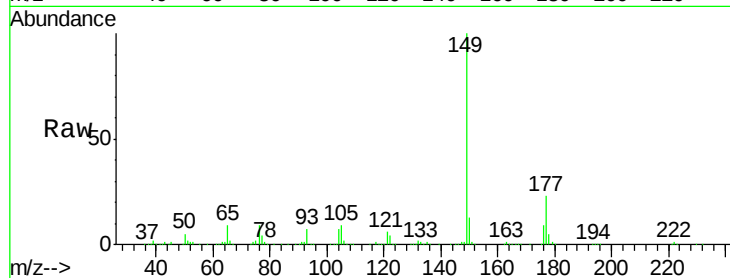
ClientSampleId :

PB87895BS

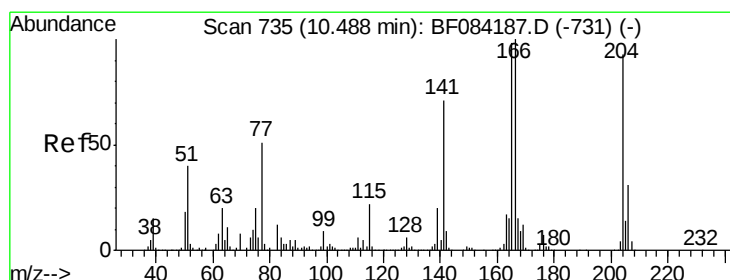
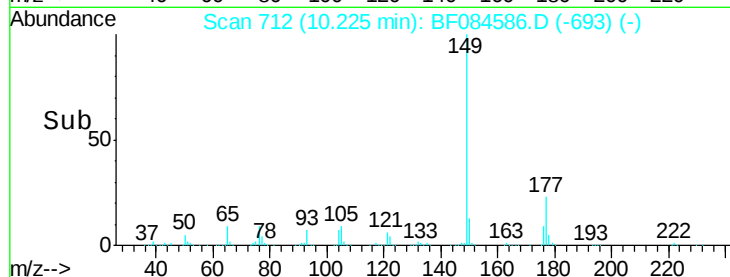
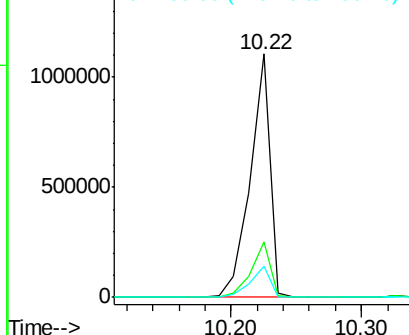
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|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 149   | Resp: | 1169591 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 177       | 22.9  | 17.3  | 25.9    |
| 150       | 12.6  | 9.8   | 14.8    |



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



#60

4-Chlorophenyl-phenylether

Concen: 38.65 ng

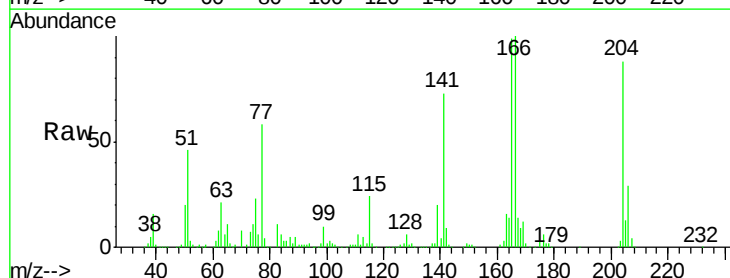
RT: 10.33 min Scan# 721

Delta R.T. -0.09 min

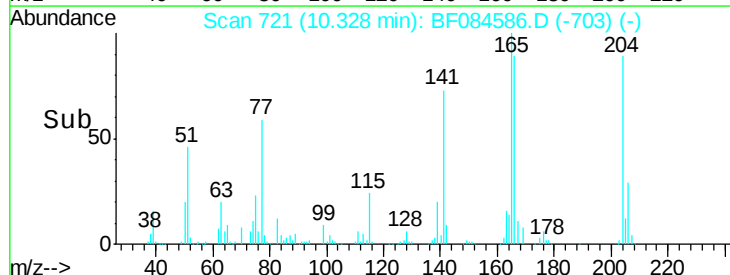
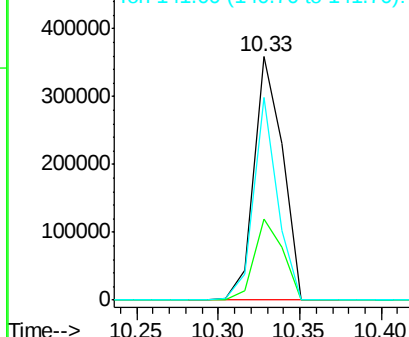
Lab File: BF084586.D

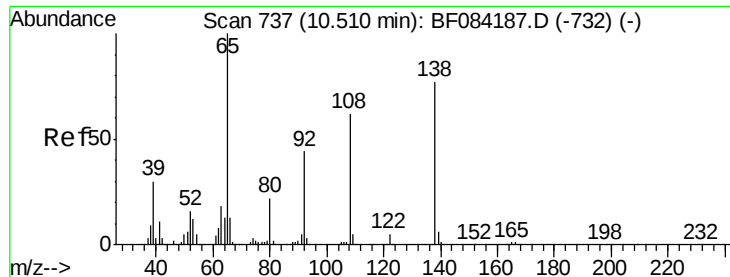
Acq: 22 Jan 2016 13:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 436562 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 33.1  | 25.7  | 38.5   |
| 141       | 83.4  | 55.1  | 82.7#  |



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E





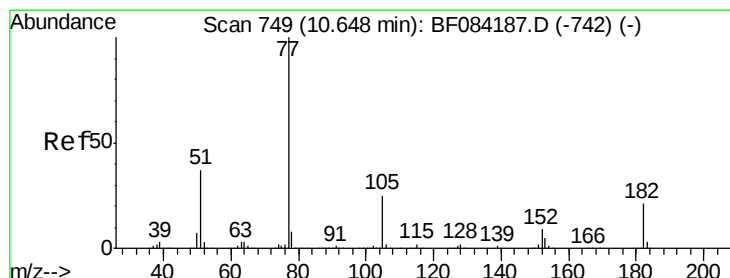
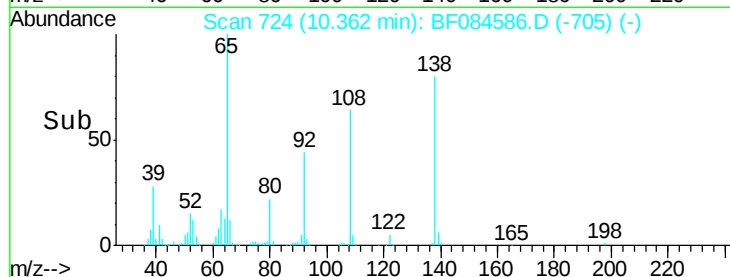
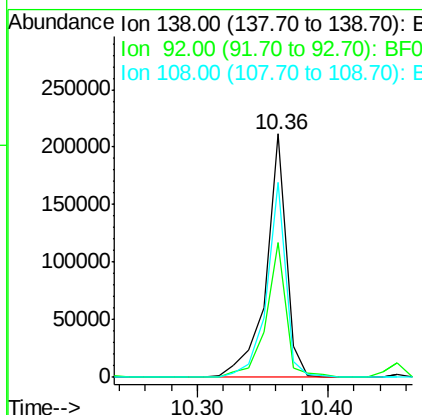
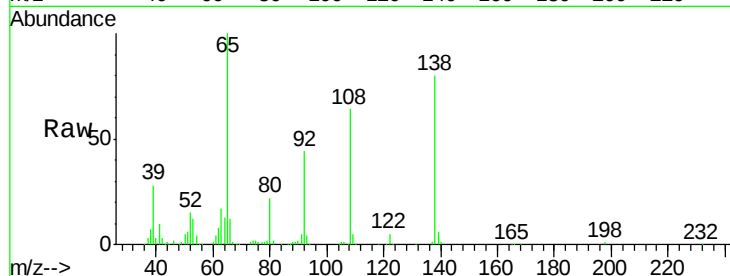
#61  
4-Nitroaniline  
Concen: 31.83 ng  
RT: 10.36 min Scan# 724  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampled :  
PB87895BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 55.5  | 32.6  | 72.6  |
| 108     | 80.0  | 68.6  | 108.6 |

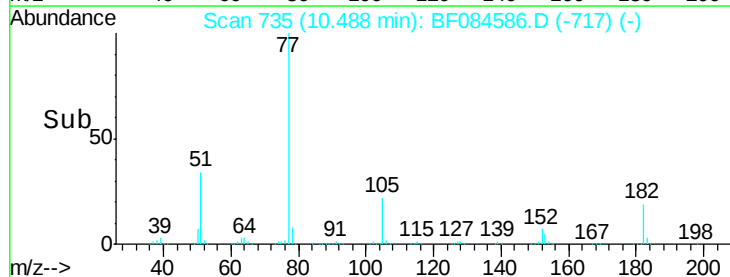
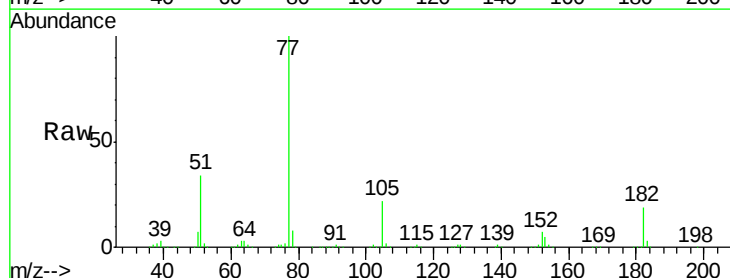
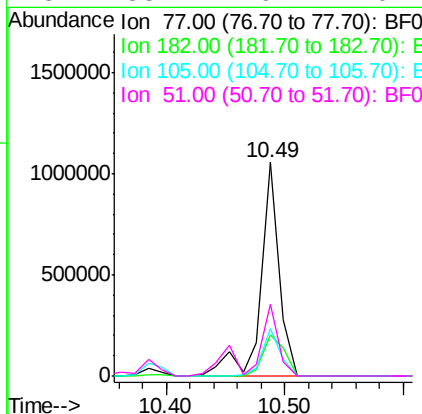
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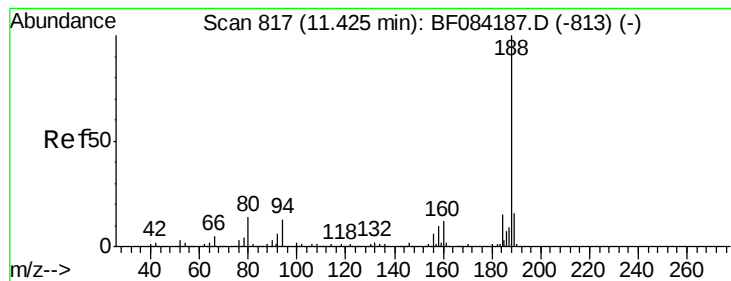
mohammad  
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#62  
Azobenzene  
Concen: 35.68 ng  
RT: 10.49 min Scan# 735  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 18.9  | 8.3   | 48.3  |
| 105     | 22.4  | 4.6   | 44.6  |
| 51      | 33.7  | 6.2   | 46.2  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

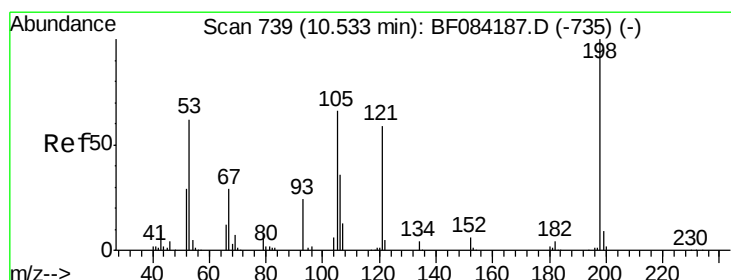
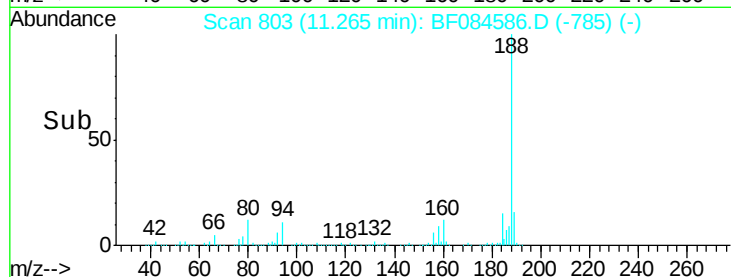
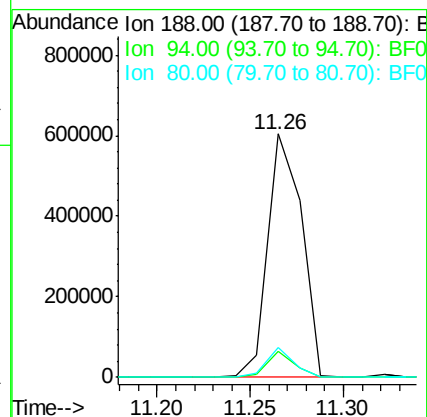
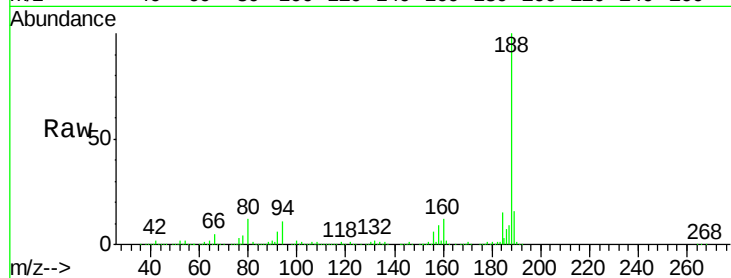
ClientSampleId :

PB87895BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 760054 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 10.9  | 9.0   | 13.4   |
| 80        | 12.3  | 9.6   | 14.4   |

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#64

4,6-Dinitro-2-methylphenol

Concen: 38.15 ng

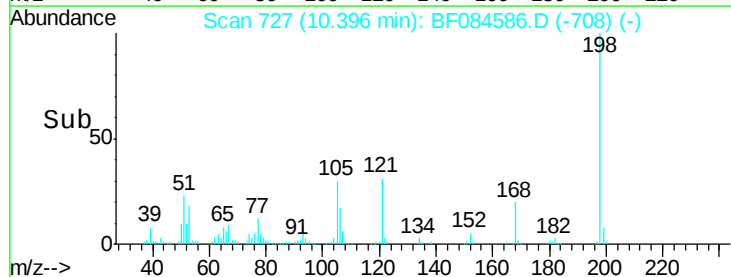
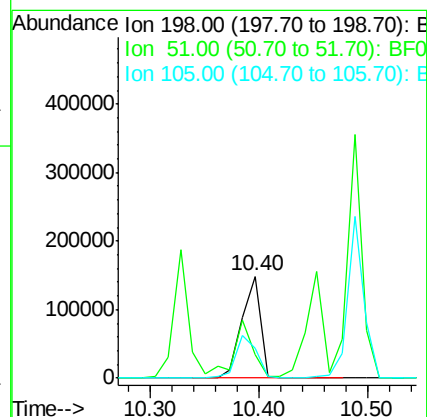
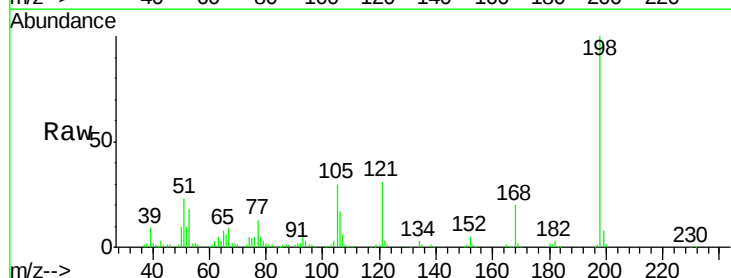
RT: 10.40 min Scan# 727

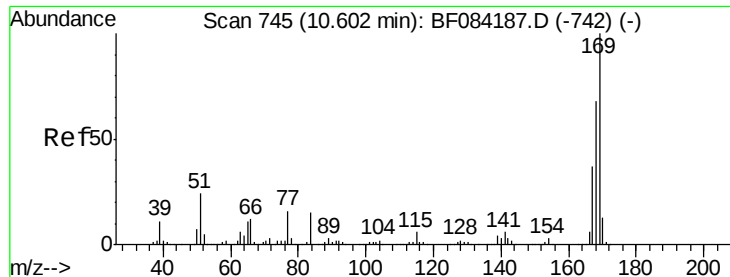
Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 198   | Resp: | 177089 |
| Ion Ratio | Lower | Upper |        |
| 198       | 100   |       |        |
| 51        | 23.3  | 18.9  | 58.9   |
| 105       | 30.0  | 26.4  | 66.4   |





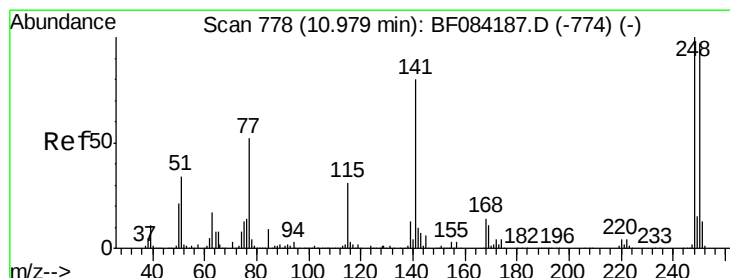
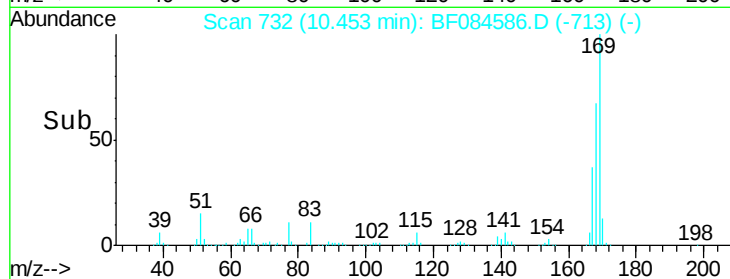
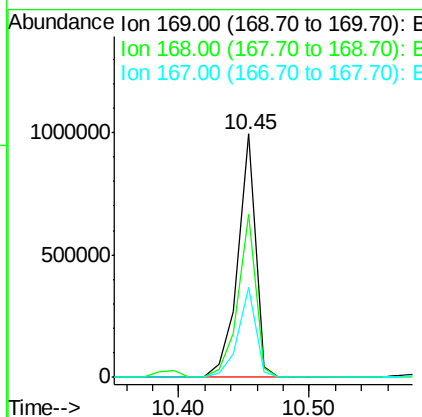
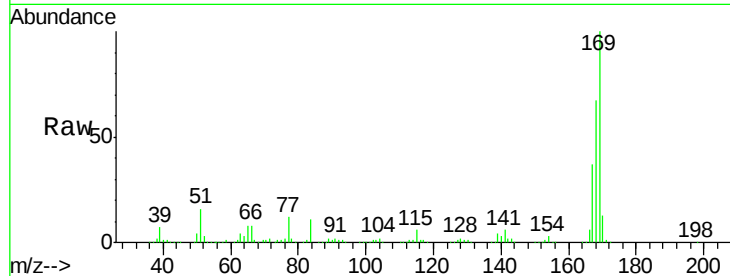
#65  
n-Nitrosodiphenylamine  
Concen: 38.49 ng  
RT: 10.45 min Scan# 732  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampled :  
PB87895BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 935306 |       |       |
| 168     | 66.8  | 55.1   | 82.7  |       |
| 167     | 37.2  | 30.0   | 45.0  |       |

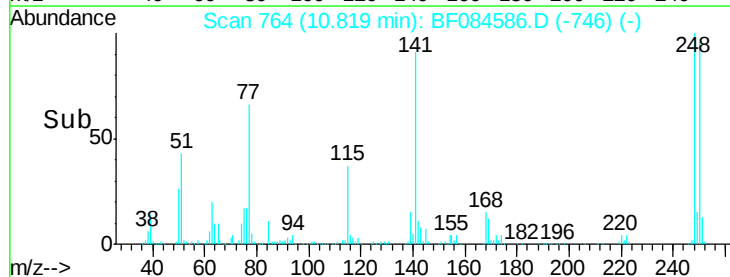
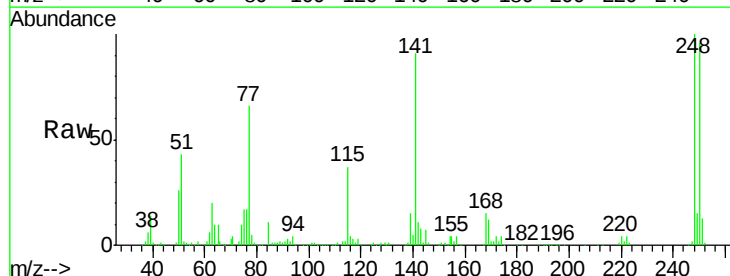
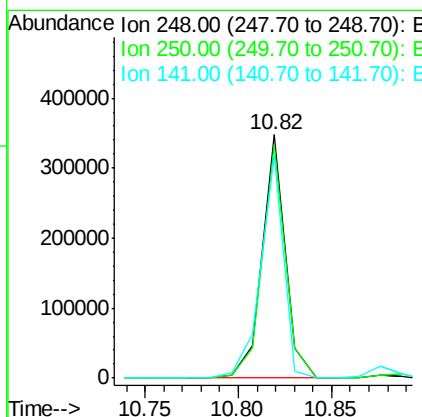
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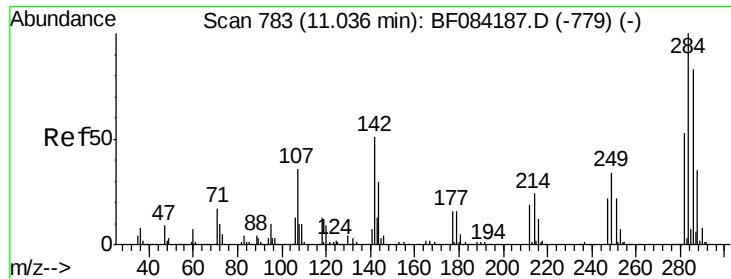
mohammad  
1/25/2016 2:58:33 PM



#66  
4-Bromophenyl-phenylether  
Concen: 37.02 ng  
RT: 10.82 min Scan# 764  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 302867 |       |       |
| 250     | 95.9  | 78.4   | 117.6 |       |
| 141     | 91.5  | 44.0   | 66.0  |       |





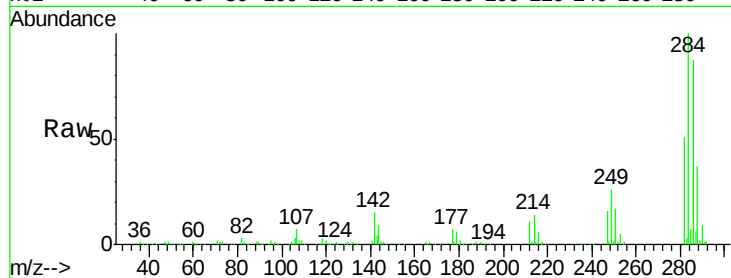
#67  
Hexachlorobenzene  
Concen: 37.42 ng  
RT: 10.89 min Scan# 770  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

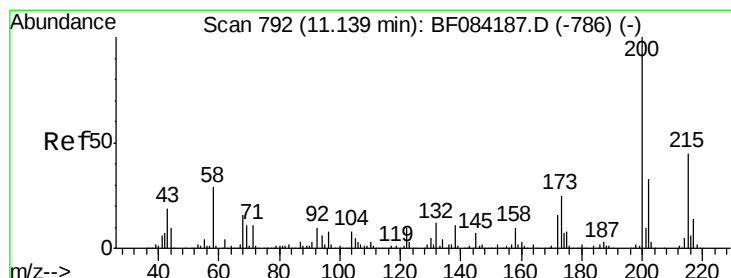
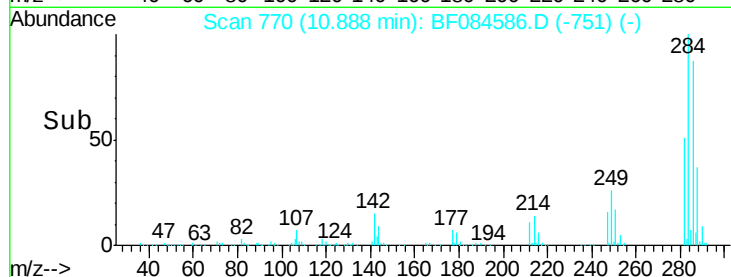
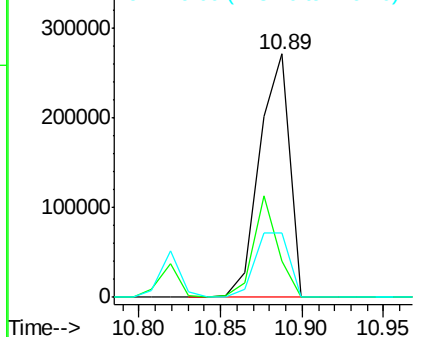
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 284     | 100   |            |       |
| 142     | 14.8  | 22.2       | 33.4# |
| 249     | 26.2  | 24.6       | 37.0  |

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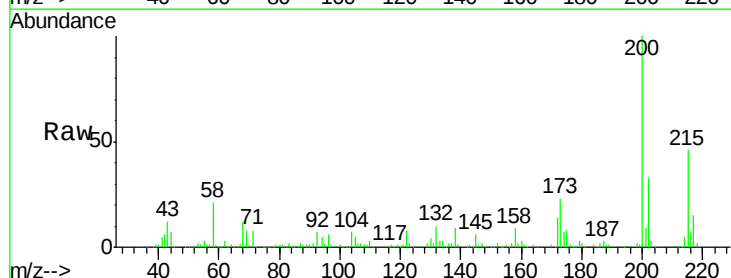


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

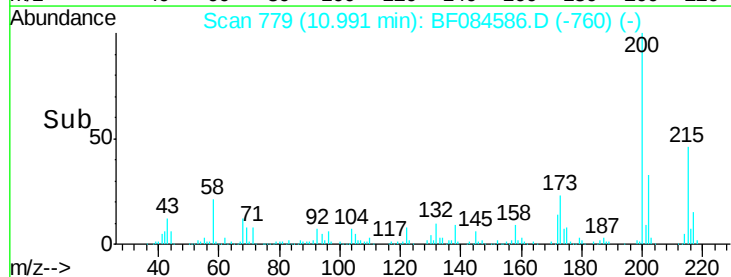
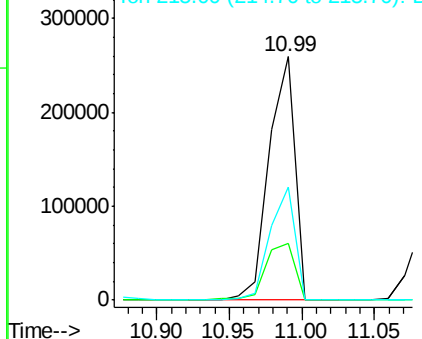


#68  
Atrazine  
Concen: 40.16 ng  
RT: 10.99 min Scan# 779  
Delta R.T. -0.08 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 23.3  | 9.5        | 49.5  |
| 215     | 46.5  | 23.8       | 63.8  |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





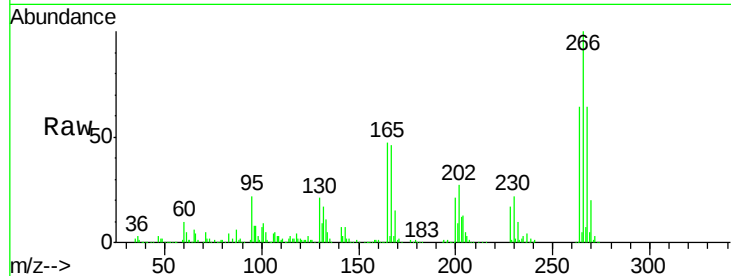
#69  
 Pentachlorophenol  
 Concen: 72.82 ng  
 RT: 11.08 min Scan# 787  
 Delta R.T. -0.08 min  
 Lab File: BF084586.D  
 Acq: 22 Jan 2016 13:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87895BS

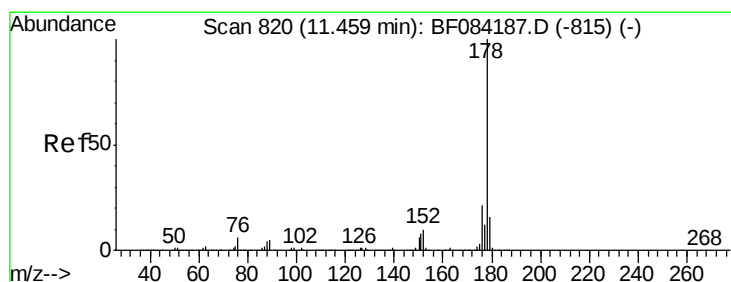
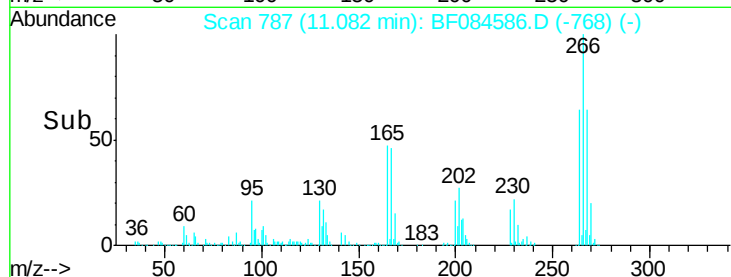
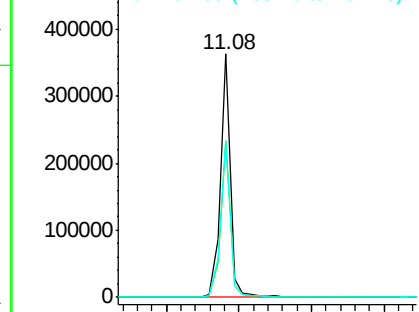
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 347639 |       |       |
| 268     | 64.2  | 52.4   | 78.6  |       |
| 264     | 64.1  | 50.2   | 75.2  |       |

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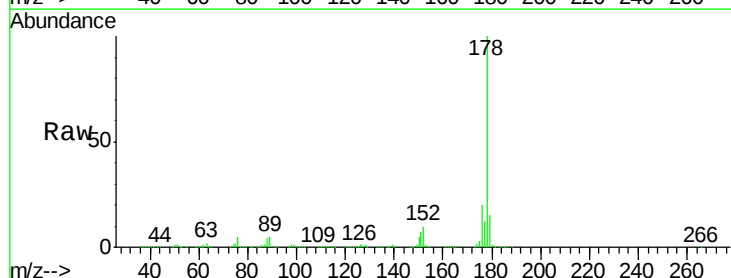


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

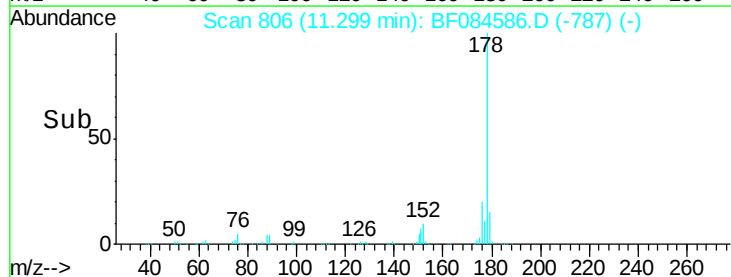
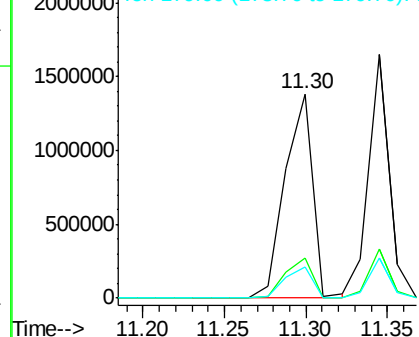


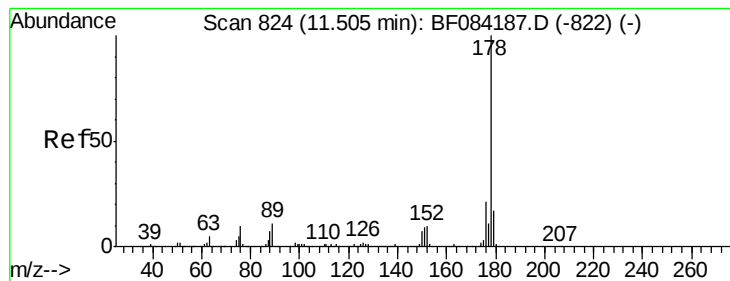
#70  
 Phenanthrene  
 Concen: 41.17 ng  
 RT: 11.30 min Scan# 806  
 Delta R.T. -0.08 min  
 Lab File: BF084586.D  
 Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1636920 |       |       |
| 176     | 19.8  | 15.3    | 22.9  |       |
| 179     | 15.3  | 12.0    | 18.0  |       |



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





#71

Anthracene

Concen: 37.90 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

ClientSampleId :

PB87895BS

Tot Ion:178 Resp: 1476886

Ion Ratio Lower Upper

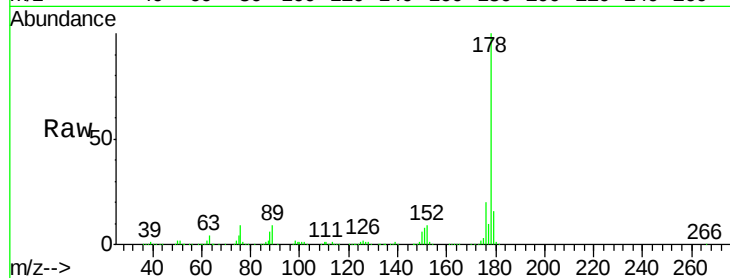
178 100

176 19.9 15.4 23.0

179 16.4 12.5 18.7

Manual Integrations  
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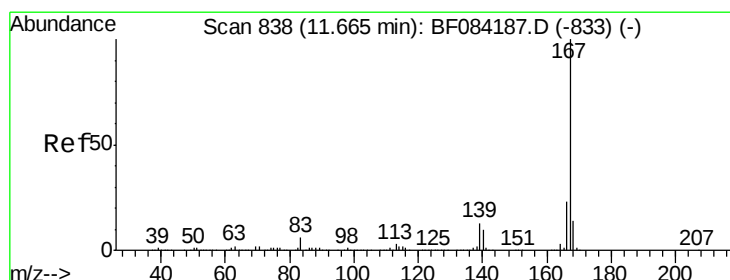
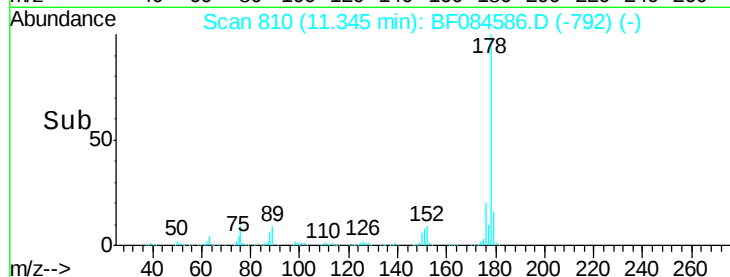
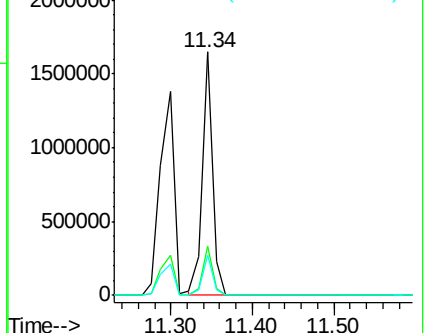
mohammad  
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 36.28 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

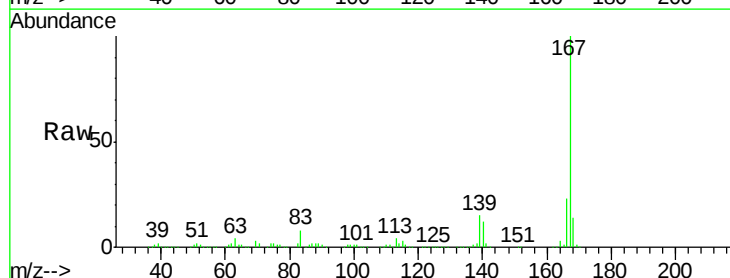
Tgt Ion:167 Resp: 1382354

Ion Ratio Lower Upper

167 100

166 22.7 17.6 26.4

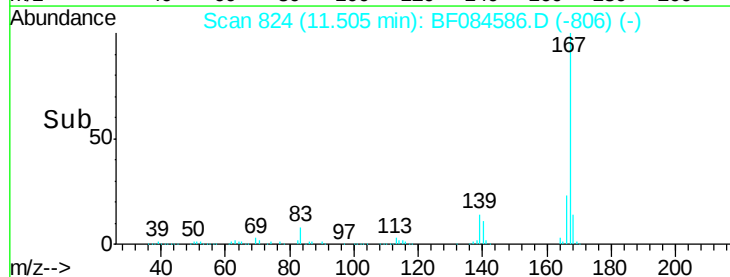
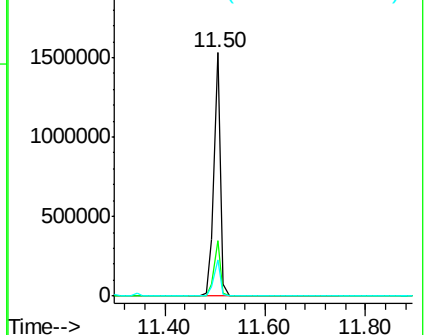
139 14.8 11.8 17.8

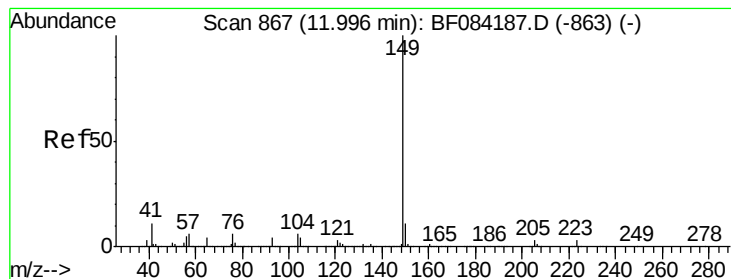


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 42.46 ng

RT: 11.85 min Scan# 854

Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

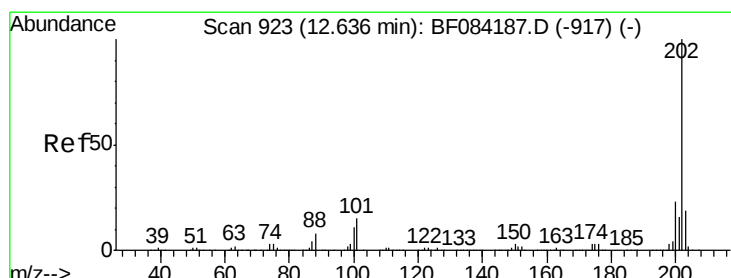
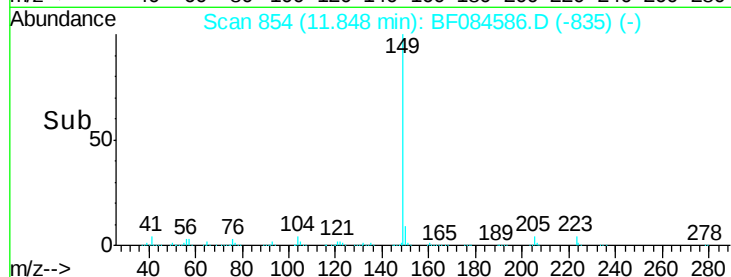
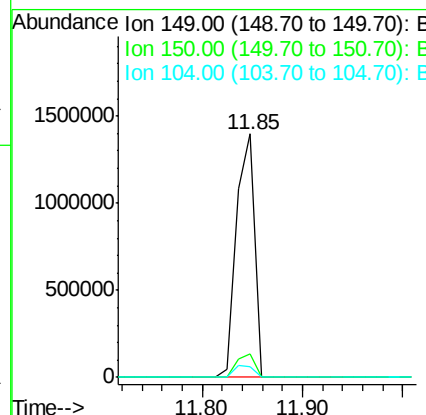
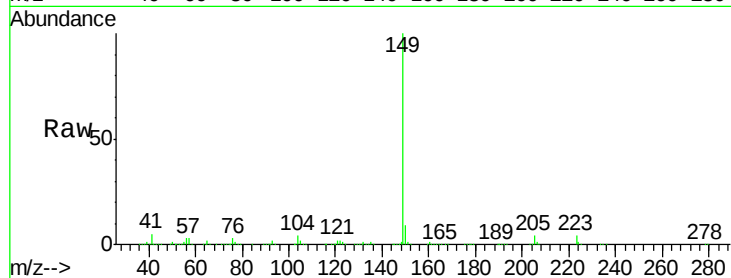
ClientSampleId :

PB87895BS

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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.4   | 7.1   | 10.7  |
| 104     | 4.3   | 3.2   | 4.8   |



#74

Fluoranthene

Concen: 36.03 ng

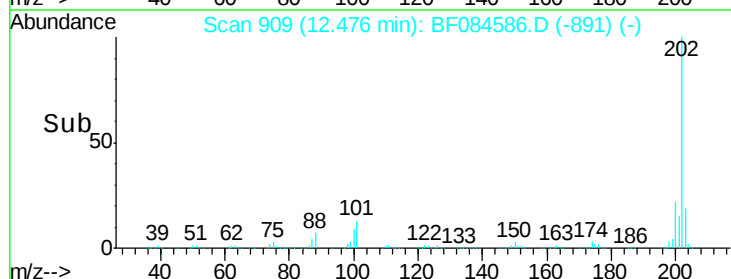
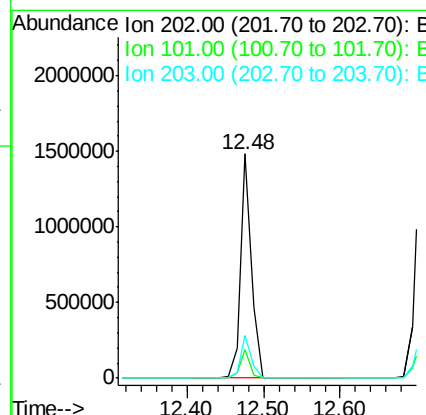
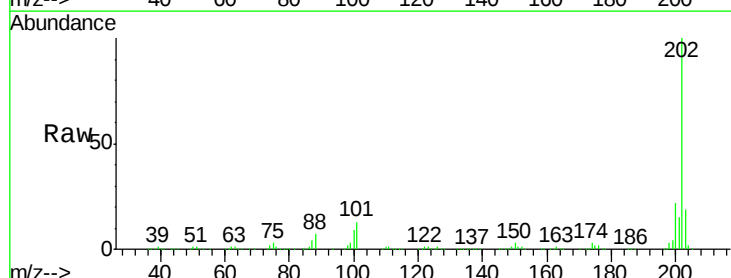
RT: 12.48 min Scan# 909

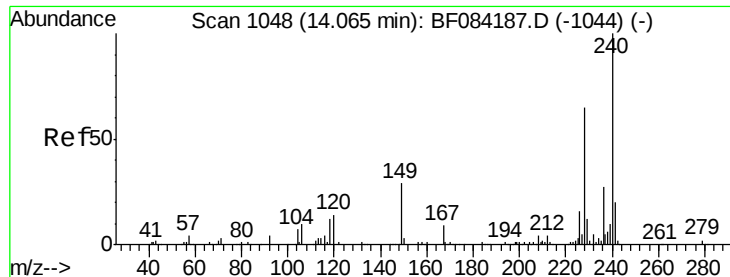
Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.6  | 0.0   | 32.8  |
| 203     | 18.8  | 0.0   | 37.9  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

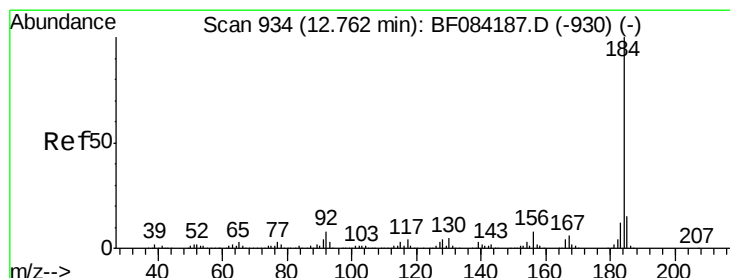
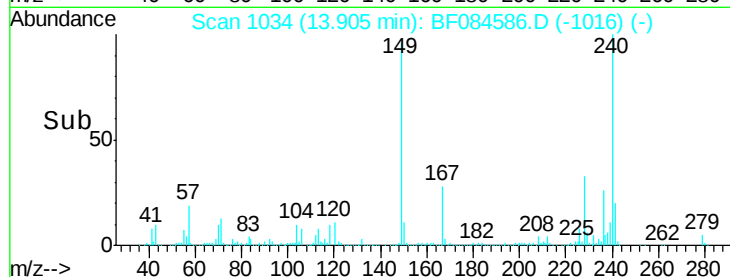
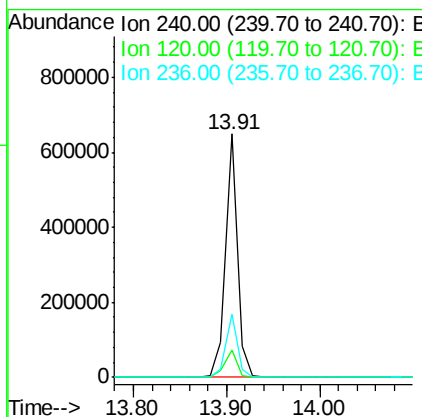
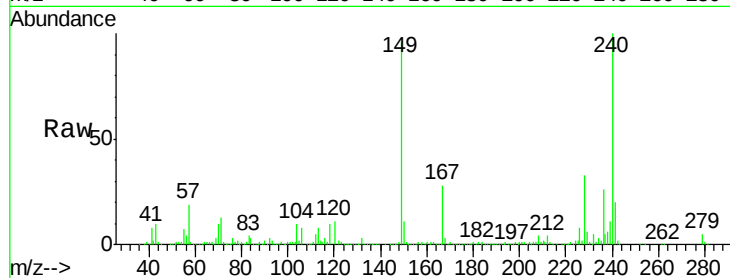
ClientSampleId :

PB87895BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 577217 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 11.0  | 9.5   | 14.3   |
| 236       | 25.7  | 20.6  | 31.0   |

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#76

Benzidine

Concen: 21.07 ng

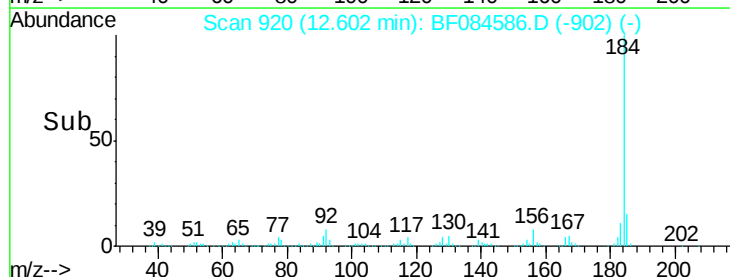
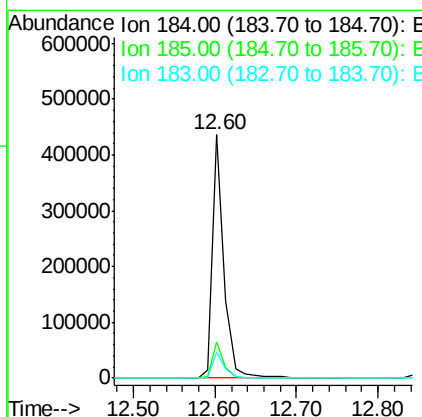
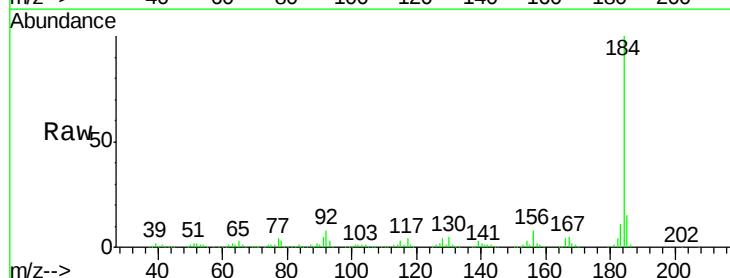
RT: 12.60 min Scan# 920

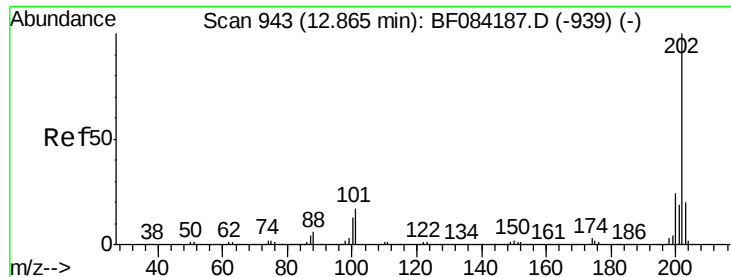
Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 436028 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.8  | 12.2  | 18.2   |
| 183       | 10.8  | 9.8   | 14.8   |





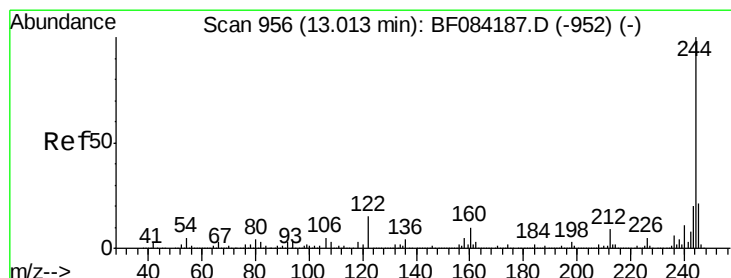
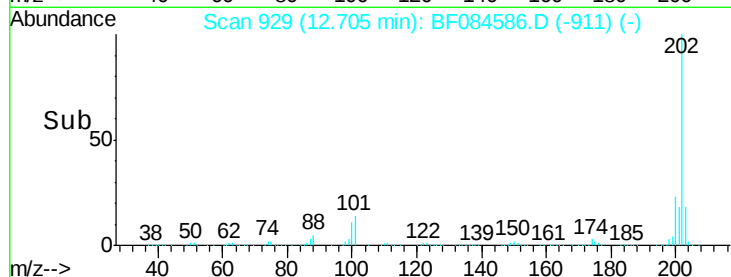
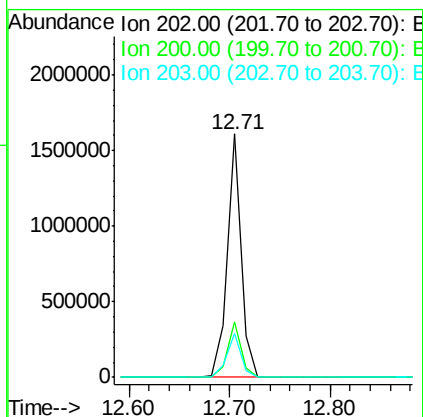
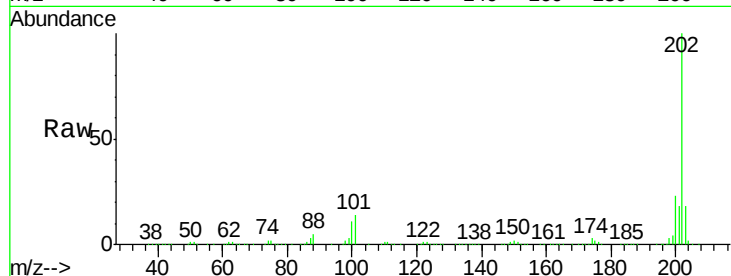
#77  
Pvrene  
Concen: 34.00 ng  
RT: 12.71 min Scan# 929  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.7  | 17.2  | 25.8  |
| 203     | 18.1  | 14.3  | 21.5  |

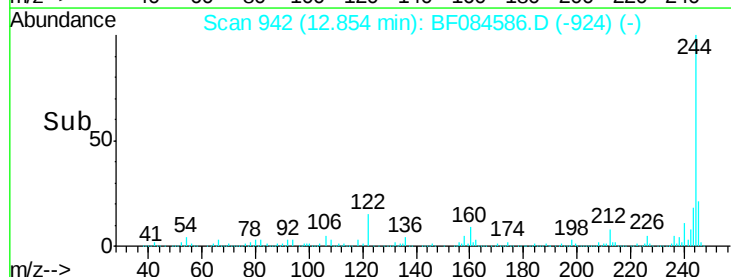
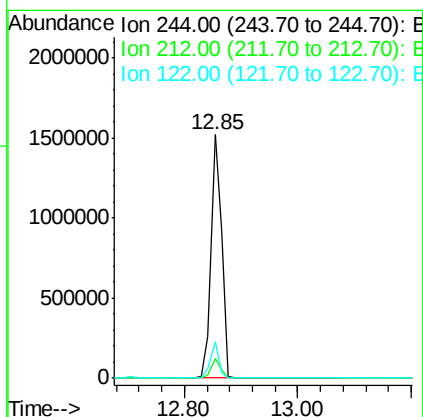
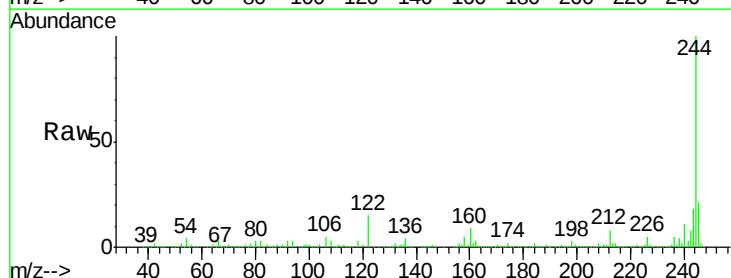
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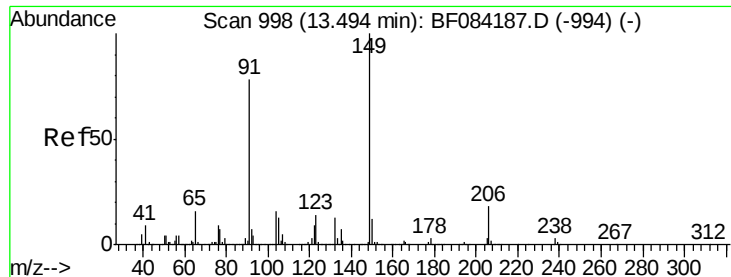
mohammad  
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#78  
Terphenyl-d14  
Concen: 72.09 ng  
RT: 12.85 min Scan# 942  
Delta R.T. -0.09 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.0   | 5.7   | 8.5   |
| 122     | 14.7  | 7.4   | 11.0  |





#79

Butylbenzylphthalate

Concen: 35.69 ng

RT: 13.33 min Scan# 984

Delta R.T. -0.09 min

Lab File: BF084586.D

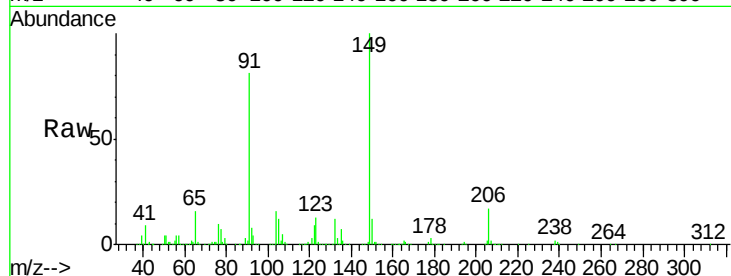
Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

ClientSampled :

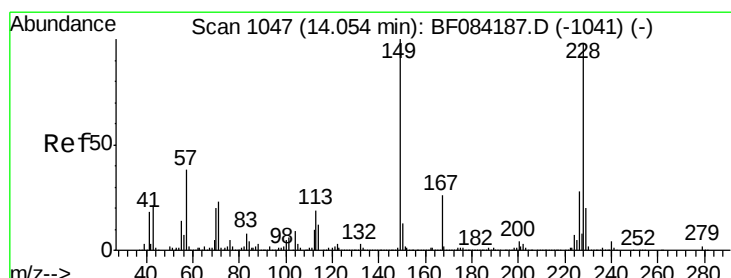
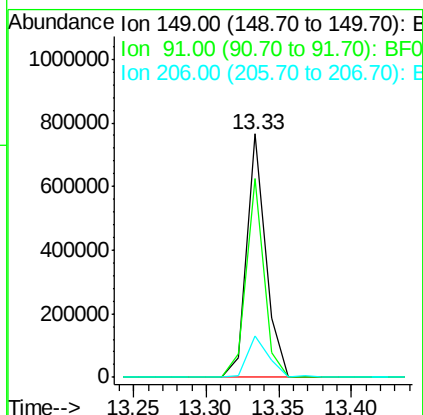
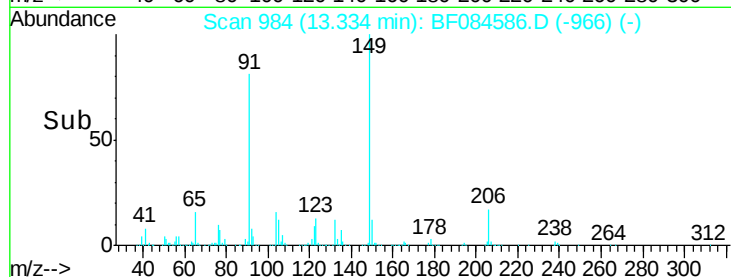
PB87895BS



| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 149     | 100  |       | 699610 |       |       |
| 91      | 81.4 | 57.6  | 86.4   |       |       |
| 206     | 17.0 | 13.2  | 19.8   |       |       |

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#80

Benzo(a)anthracene

Concen: 38.67 ng

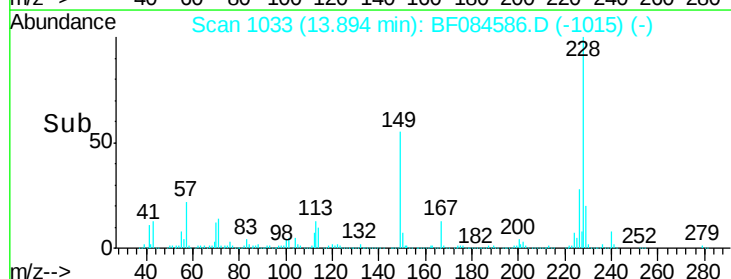
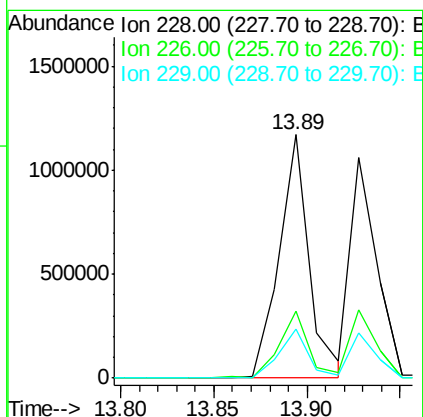
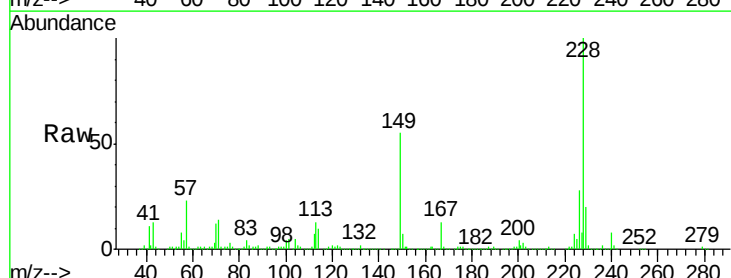
RT: 13.89 min Scan# 1033

Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 228     | 100  |       | 1310597 |       |       |
| 226     | 27.5 | 21.8  | 32.6    |       |       |
| 229     | 20.0 | 15.8  | 23.8    |       |       |





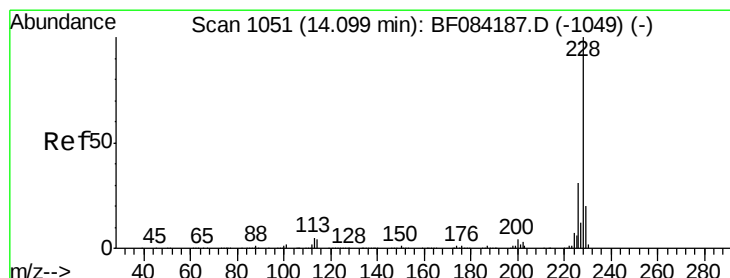
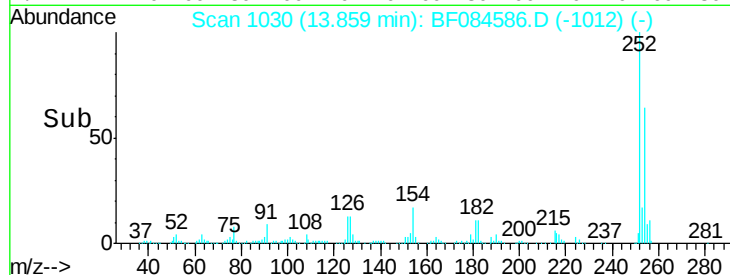
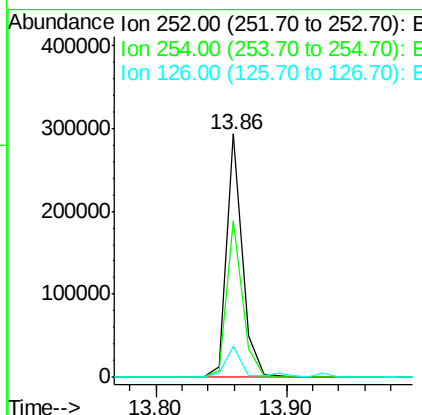
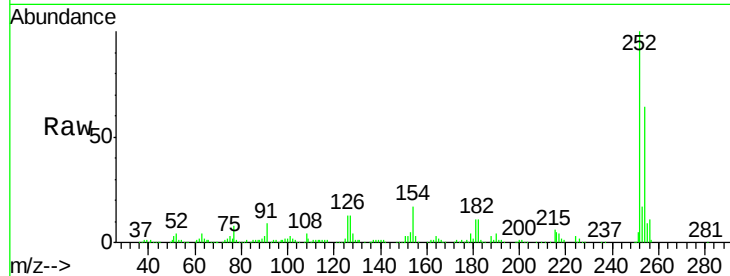
#81  
 3,3'-Dichlorobenzidine  
 Concen: 20.99 ng  
 RT: 13.86 min Scan# 1030  
 Delta R.T. -0.09 min  
 Lab File: BF084586.D  
 Acq: 22 Jan 2016 13:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87895BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 64.1  | 53.5       | 80.3  |
| 126     | 12.8  | 4.9        | 7.3   |

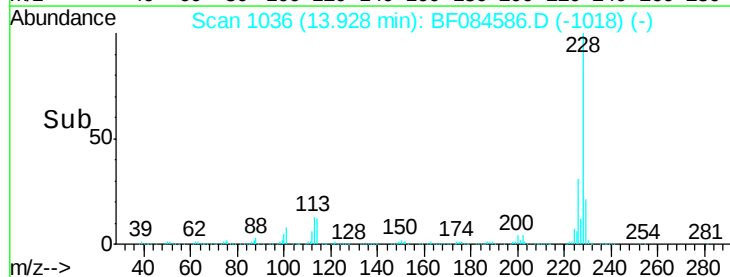
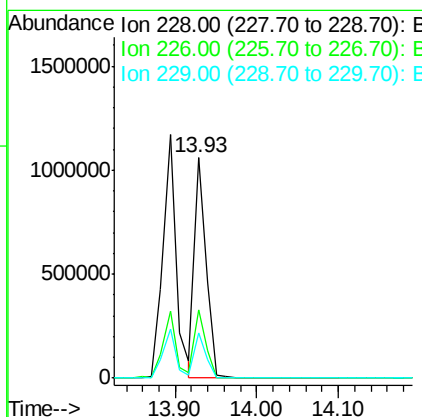
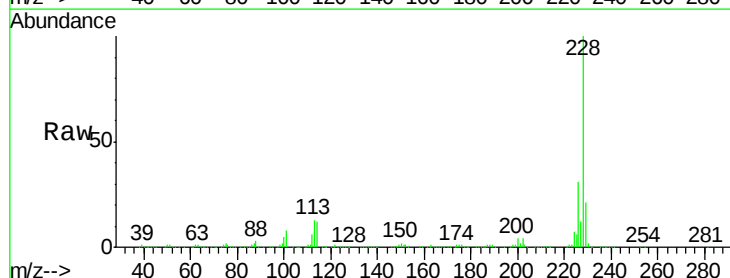
Manual Integrations  
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#82  
 Chrysene  
 Concen: 32.67 ng  
 RT: 13.93 min Scan# 1036  
 Delta R.T. -0.09 min  
 Lab File: BF084586.D  
 Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 31.2  | 24.3       | 36.5  |
| 229     | 20.6  | 16.1       | 24.1  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 36.42 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.09 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

ClientSampleId :

PB87895BS

Tot Ion:149 Resp: 901898

Ion Ratio Lower Upper

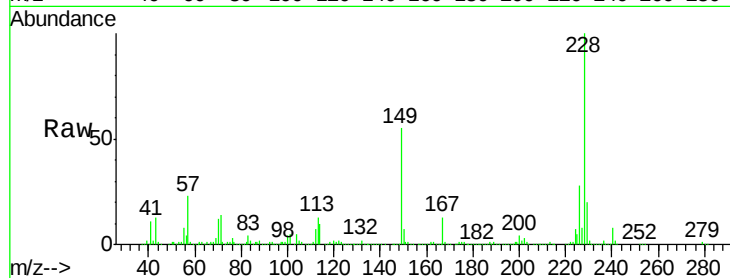
149 100

167 24.1 19.7 29.5

279 1.8 1.8 2.6

Manual Integrations  
APPROVED

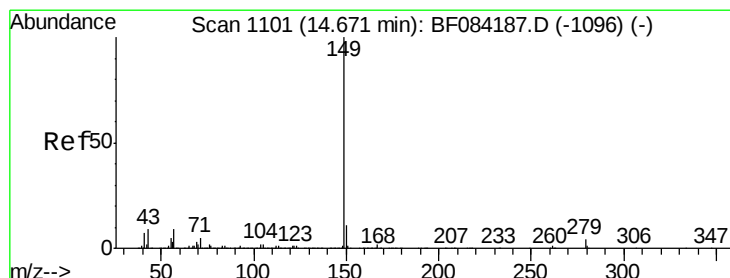
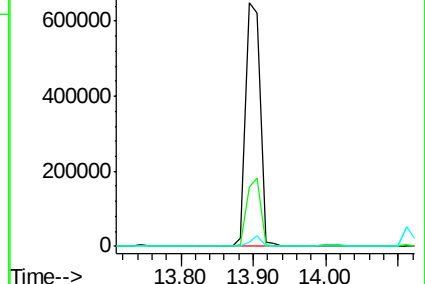
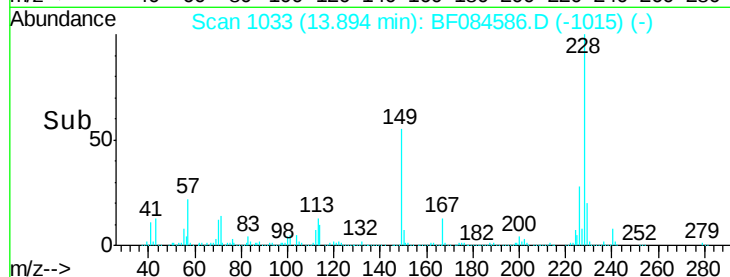
mohammad  
1/25/2016 2:58:33 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 36.66 ng

RT: 14.51 min Scan# 1087

Delta R.T. -0.08 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

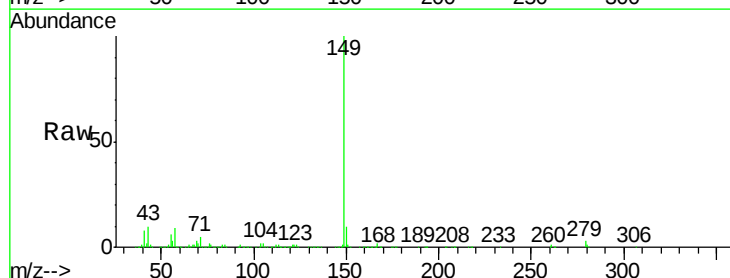
Tgt Ion:149 Resp: 1532528

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

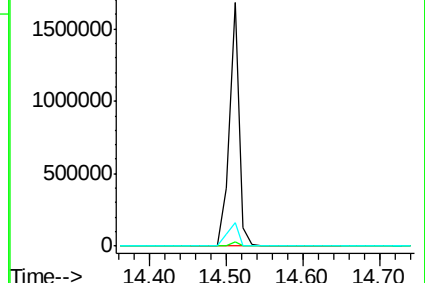
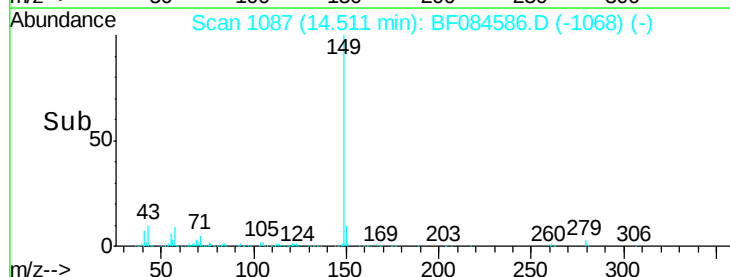
43 11.2 5.6 8.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 40.31 ng

RT: 16.63 min Scan# 1272

Delta R.T. -0.17 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

ClientSampleId :

PB87895BS

Tot Ion:276 Resp: 1040708

Ion Ratio Lower Upper

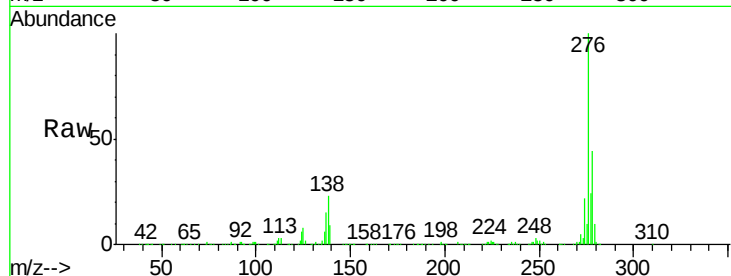
276 100

138 24.8 20.6 30.8

277 24.9 20.1 30.1

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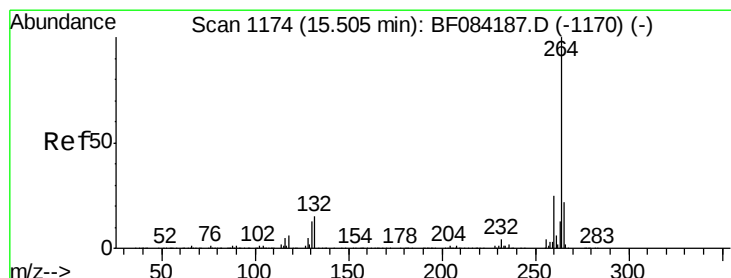
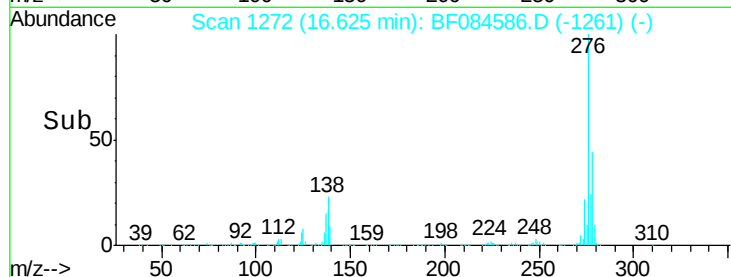
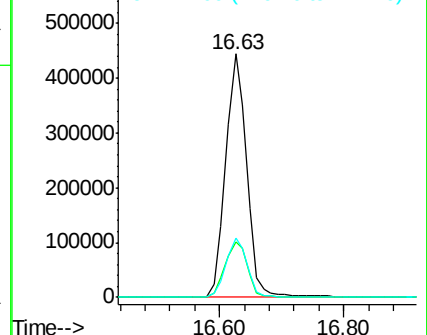
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.30 min Scan# 1156

Delta R.T. -0.11 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

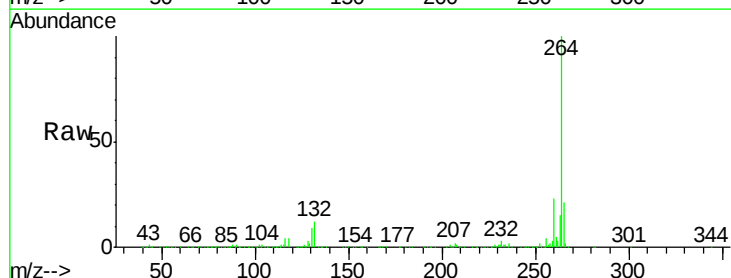
Tgt Ion:264 Resp: 468522

Ion Ratio Lower Upper

264 100

260 23.1 19.4 29.2

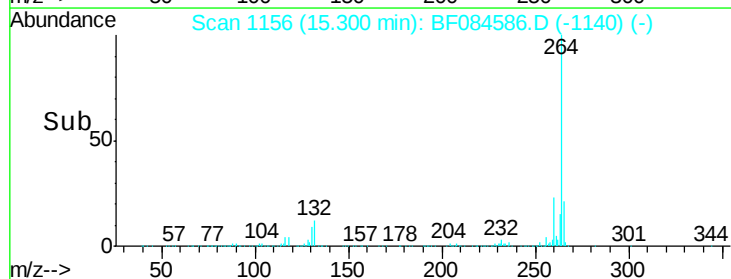
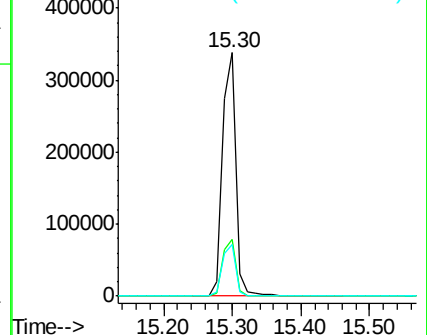
265 21.3 17.8 26.6

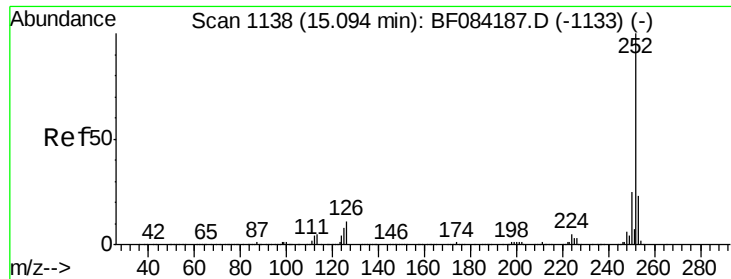


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





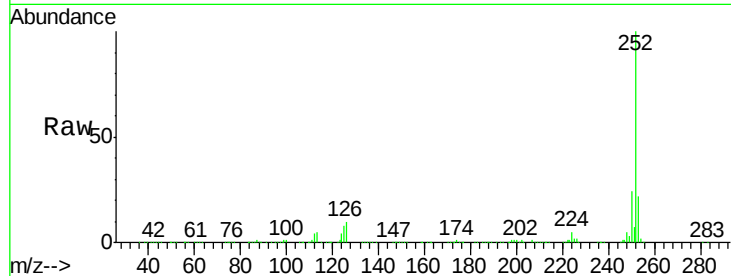
#87  
Benzo(b)fluoranthene  
Concen: 39.59 ng m  
RT: 14.91 min Scan# 1122  
Delta R.T. -0.10 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB87895BS

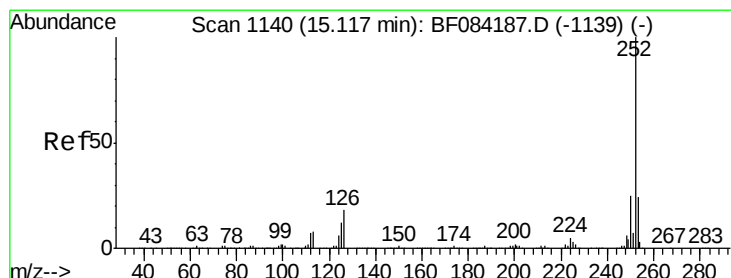
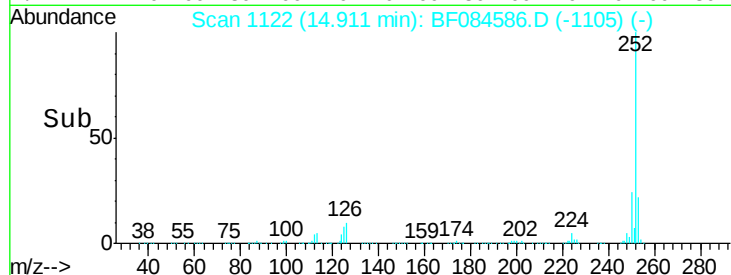
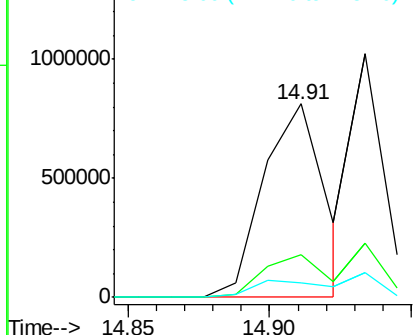
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 17.3  | 25.9  |
| 125     | 7.6   | 6.5   | 9.7   |

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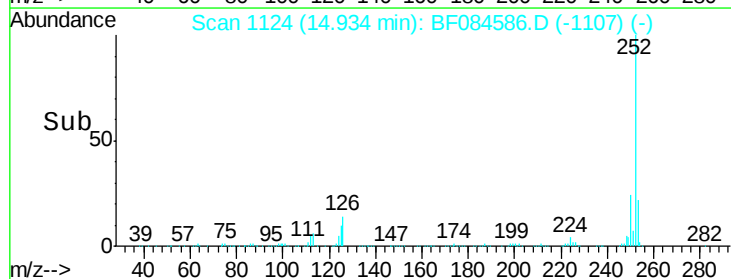
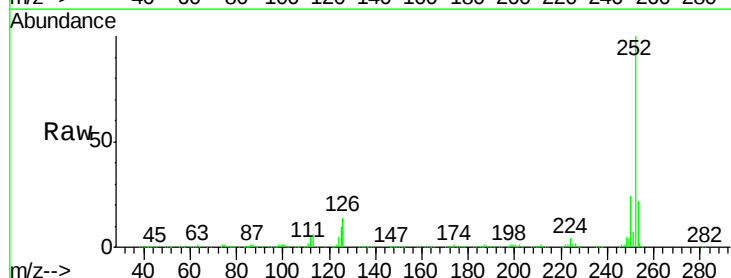
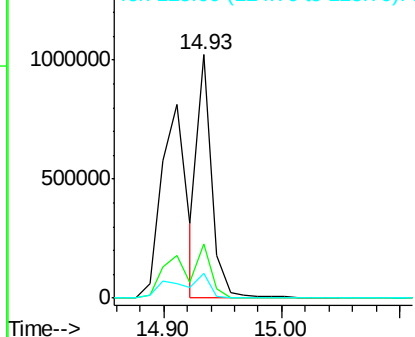
Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

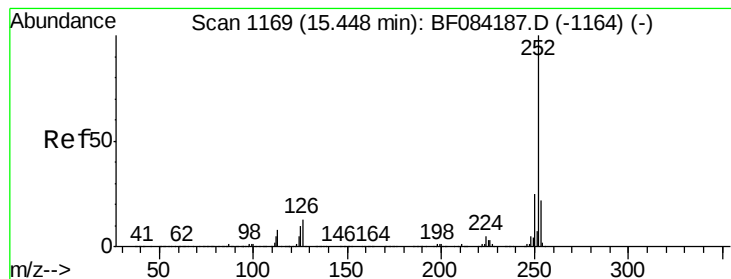


#88  
Benzo(k)fluoranthene  
Concen: 34.60 ng m  
RT: 14.93 min Scan# 1124  
Delta R.T. -0.10 min  
Lab File: BF084586.D  
Acq: 22 Jan 2016 13:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 18.1  | 27.1  |
| 125     | 10.2  | 9.0   | 13.6  |

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: 38.39 ng

RT: 15.24 min Scan# 1151

Delta R.T. -0.11 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

Instrument :

BNA\_F

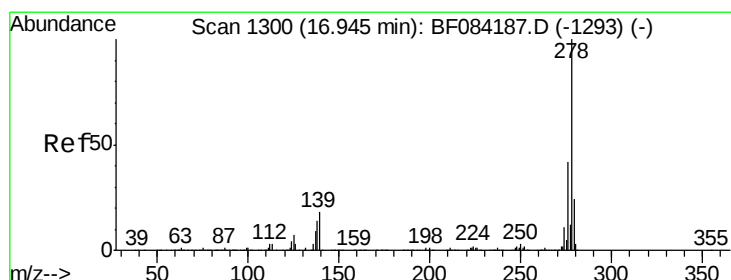
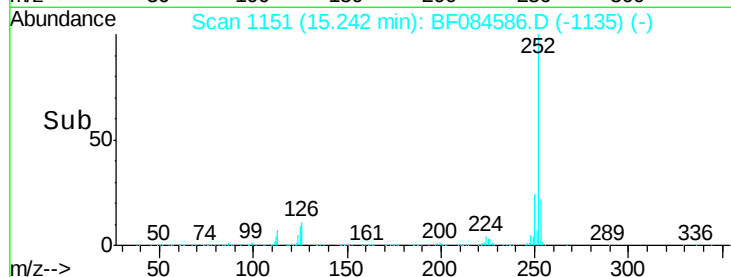
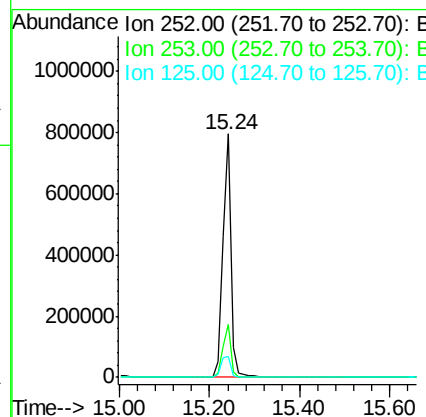
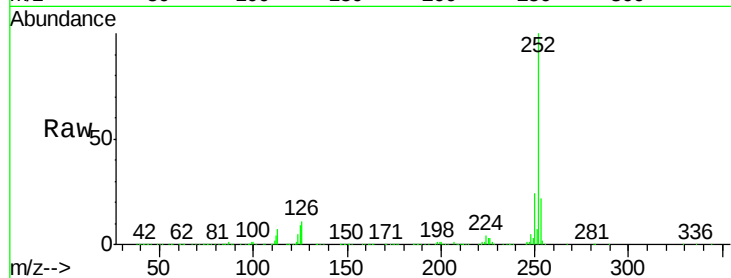
ClientSampleId :

PB87895BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 252  | Resp: | 997951 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 21.6 | 17.3  | 25.9   |
| 125       | 8.6  | 7.0   | 10.4   |

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#90

Dibenzo(a,h)anthracene

Concen: 39.09 ng

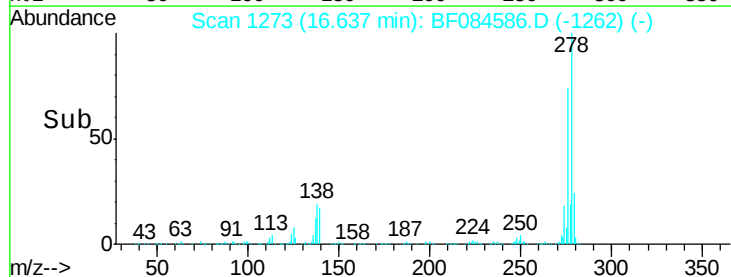
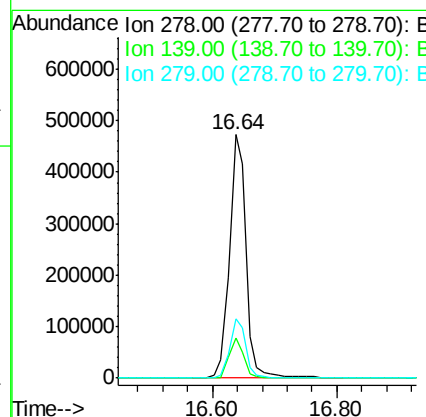
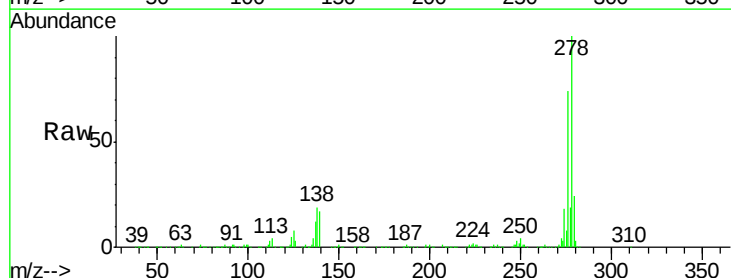
RT: 16.64 min Scan# 1273

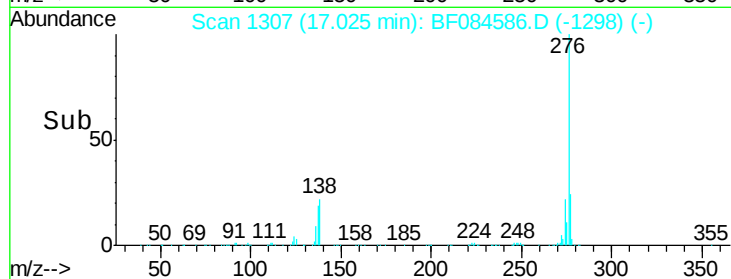
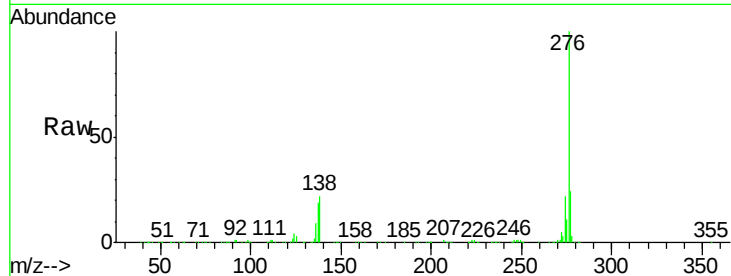
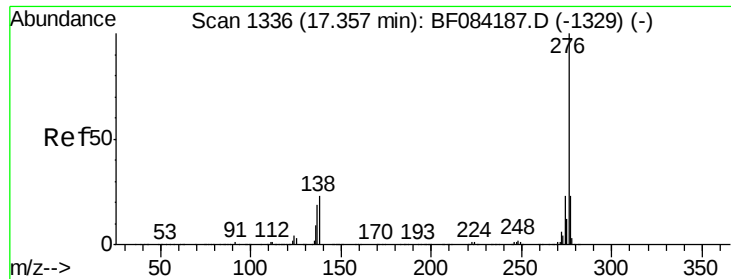
Delta R.T. -0.17 min

Lab File: BF084586.D

Acq: 22 Jan 2016 13:45

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 278  | Resp: | 874505 |
| Ion Ratio |      | Lower | Upper  |
| 278       | 100  |       |        |
| 139       | 16.6 | 15.0  | 22.4   |
| 279       | 24.3 | 18.9  | 28.3   |





#91  
 Benzo(a,h,i)perylene  
 Concen: 38.42 ng  
 RT: 17.03 min Scan# 1307  
 Delta R.T. -0.19 min  
 Lab File: BF084586.D  
 Acq: 22 Jan 2016 13:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB87895BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 890058 |       |       |
| 277     | 24.4  |        | 18.8  | 28.2  |
| 138     | 21.9  |        | 17.8  | 26.6  |

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