

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\  
 Data File : BF100646.D  
 Acq On : 16 Nov 2017 23:11  
 Operator : SJ/JU  
 Sample : PB104306BSD  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104306BSD

Manual Integrations  
 APPROVED

SOHIL  
 11/17/2017 1:25:52 PM

Quant Time: Nov 17 02:33:55 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 16 12:15:03 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 118175   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 454089   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.92  | 164  | 194523   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.41 | 188  | 315061   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.04 | 240  | 217278   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.52 | 264  | 187210   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.51  | 112 | 568540  | 77.12 | ng | 0.01 |
| 7) Phenol-d6             | 6.52  | 99  | 696163  | 76.58 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.45  | 82  | 648512  | 94.42 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 158508  | 79.97 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.25  | 172 | 1221668 | 95.63 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.99 | 244 | 769887  | 81.42 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.77 | 88  | 134507  | 37.439 | ng | 94     |
| 3) Pyridine                    | 3.53 | 79  | 398465  | 40.652 | ng | 94     |
| 4) n-Nitrosodimethylamine      | 3.50 | 42  | 188346  | 39.578 | ng | 99     |
| 6) Aniline                     | 6.55 | 93  | 271640  | 21.150 | ng | 98     |
| 8) 2-Chlorophenol              | 6.67 | 128 | 376399  | 48.262 | ng | 95     |
| 9) Benzaldehyde                | 6.43 | 77  | 138682  | 21.361 | ng | 98     |
| 10) Phenol                     | 6.53 | 94  | 453121  | 47.480 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93  | 353128  | 44.052 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.83 | 146 | 419016  | 46.600 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.90 | 146 | 425336  | 46.737 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.06 | 146 | 392767  | 46.678 | ng | 97     |
| 15) Benzyl Alcohol             | 7.03 | 79  | 316954  | 44.673 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45  | 643036  | 50.155 | ng | 99     |
| 17) 2-Methylphenol             | 7.13 | 107 | 328747  | 49.326 | ng | 98     |
| 18) Hexachloroethane           | 7.40 | 117 | 131874  | 43.949 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70  | 256998  | 40.764 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 379175  | 44.959 | ng | # 87   |
| 22) Acetophenone               | 7.30 | 105 | 491079  | 44.350 | ng | # 98   |
| 24) Nitrobenzene               | 7.47 | 77  | 383991  | 54.319 | ng | 98     |
| 25) Isophorone                 | 7.71 | 82  | 724675  | 50.209 | ng | 98     |
| 26) 2-Nitrophenol              | 7.79 | 139 | 200359  | 59.055 | ng | 88     |
| 27) 2,4-Dimethylphenol         | 7.82 | 122 | 360524  | 55.721 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93  | 464732  | 49.225 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.02 | 162 | 333719  | 54.029 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.11 | 180 | 340866  | 51.018 | ng | 95     |
| 31) Naphthalene                | 8.19 | 128 | 1060844 | 48.504 | ng | 99     |
| 32) Benzoic acid               | 7.93 | 122 | 144853m | 32.899 | ng |        |
| 33) 4-Chloroaniline            | 8.23 | 127 | 133270  | 14.639 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.30 | 225 | 198502  | 49.969 | ng | 100    |
| 35) Caprolactam                | 8.62 | 113 | 95136m  | 44.881 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107 | 330086  | 49.758 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.88 | 142 | 724163  | 49.872 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 337931  | 52.381 | ng | # 97   |
| 40) Hexachlorocyclopentadiene  | 9.03 | 237 | 119392  | 39.321 | ng | 99     |

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 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104306BSD

Manual Integrations  
 APPROVED

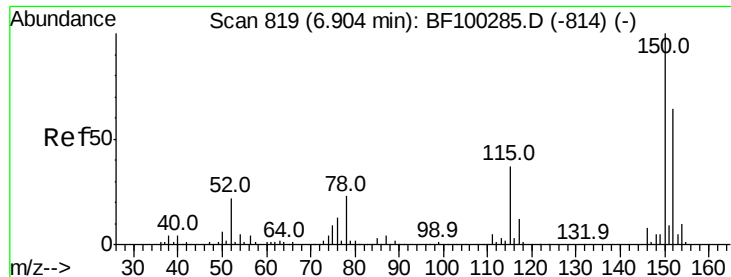
SOHIL  
 11/17/2017 1:25:52 PM

Quant Time: Nov 17 02:33:55 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 16 12:15:03 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.16  | 196  | 230360   | 56.340 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.20  | 196  | 236977   | 55.940 | ng    | 95       |
| 45) 1,1'-Biphenyl              | 9.35  | 154  | 847137   | 50.352 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.37  | 162  | 660884   | 54.147 | ng    | 95       |
| 47) 2-Nitroaniline             | 9.47  | 65   | 204527   | 56.206 | ng    | 96       |
| 48) Acenaphthylene             | 9.79  | 152  | 980403   | 48.470 | ng    | 99       |
| 49) Dimethylphthalate          | 9.65  | 163  | 789843   | 53.181 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.71  | 165  | 165902   | 56.431 | ng    | 91       |
| 51) Acenaphthene               | 9.96  | 154  | 582154   | 47.323 | ng    | 98       |
| 52) 3-Nitroaniline             | 9.87  | 138  | 106735   | 30.746 | ng    | 97       |
| 53) 2,4-Dinitrophenol          | 9.98  | 184  | 32388    | 36.632 | ng #  | 13       |
| 54) Dibenzofuran               | 10.13 | 168  | 847887   | 49.177 | ng    | 98       |
| 55) 4-Nitrophenol              | 10.04 | 139  | 246496   | 87.445 | ng    | 87       |
| 56) 2,4-Dinitrotoluene         | 10.12 | 165  | 210794   | 56.837 | ng #  | 84       |
| 57) Fluorene                   | 10.47 | 166  | 621220   | 49.183 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.24 | 232  | 172762   | 49.760 | ng #  | 85       |
| 59) Diethylphthalate           | 10.34 | 149  | 733926   | 49.380 | ng    | 95       |
| 60) 4-Chlorophenyl-phenylether | 10.46 | 204  | 316818   | 51.131 | ng    | 91       |
| 61) 4-Nitroaniline             | 10.49 | 138  | 149015   | 45.269 | ng    | 88       |
| 62) Azobenzene                 | 10.62 | 77   | 633075   | 45.225 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 30039    | 24.082 | ng    | 89       |
| 65) n-Nitrosodiphenylamine     | 10.58 | 169  | 604156   | 55.149 | ng    | 96       |
| 66) 4-Bromophenyl-phenylether  | 10.95 | 248  | 195631   | 57.923 | ng #  | 88       |
| 67) Hexachlorobenzene          | 11.02 | 284  | 191293   | 54.154 | ng #  | 85       |
| 68) Atrazine                   | 11.10 | 200  | 190417   | 57.422 | ng    | 98       |
| 69) Pentachlorophenol          | 11.21 | 266  | 180281   | 71.176 | ng    | 97       |
| 70) Phenanthrene               | 11.43 | 178  | 827392   | 49.878 | ng    | 100      |
| 71) Anthracene                 | 11.49 | 178  | 844425   | 50.174 | ng    | 99       |
| 72) Carbazole                  | 11.64 | 167  | 733105   | 47.209 | ng    | 99       |
| 73) Di-n-butylphthalate        | 11.96 | 149  | 1013933  | 55.795 | ng    | 99       |
| 74) Fluoranthene               | 12.62 | 202  | 767320   | 43.646 | ng    | 96       |
| 76) Benzidine                  | 12.74 | 184  | 372023   | 42.754 | ng    | 98       |
| 77) Pyrene                     | 12.85 | 202  | 760294   | 49.088 | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.46 | 149  | 353532   | 55.970 | ng #  | 89       |
| 80) Benzo(a)anthracene         | 14.04 | 228  | 696829   | 53.256 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.00 | 252  | 229169   | 48.884 | ng #  | 97       |
| 82) Chrysene                   | 14.07 | 228  | 634179   | 50.052 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 491403   | 59.151 | ng    | 100      |
| 84) Di-n-octyl phthalate       | 14.63 | 149  | 806978   | 56.544 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.01 | 276  | 479247   | 46.763 | ng    | 95       |
| 87) Benzo(b)fluoranthene       | 15.09 | 252  | 616317   | 55.568 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 15.12 | 252  | 576807   | 55.041 | ng    | 97       |
| 89) Benzo(a)pyrene             | 15.46 | 252  | 535469   | 54.458 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 17.03 | 278  | 410039   | 50.992 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 17.46 | 276  | 390558   | 49.616 | ng    | 95       |

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





#1

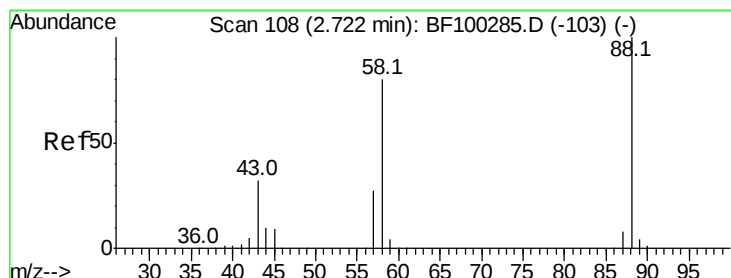
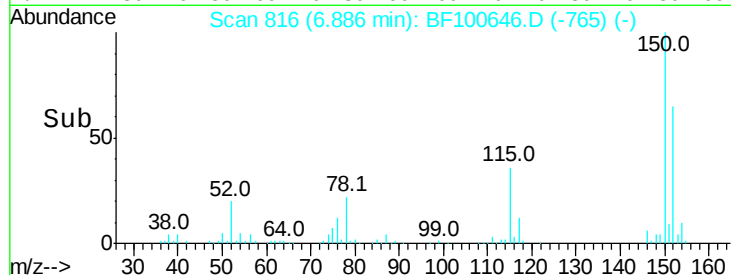
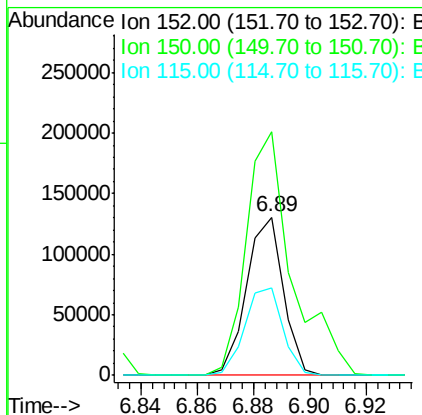
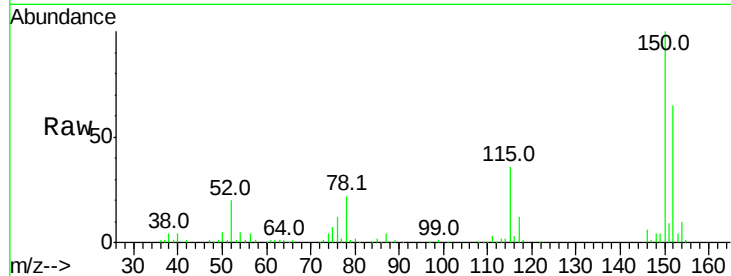
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.0 | 124.6 | 186.8 |
| 115     | 55.7  | 50.1  | 75.1  |

Manual Integrations  
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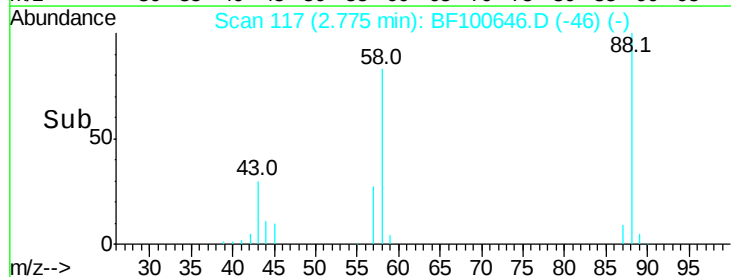
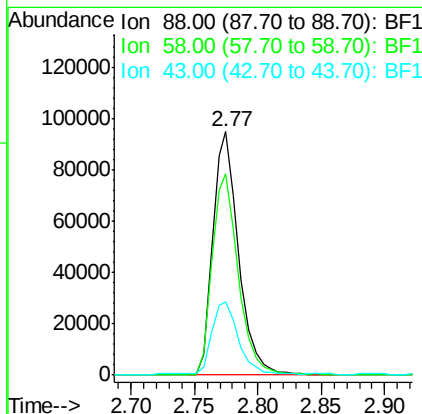
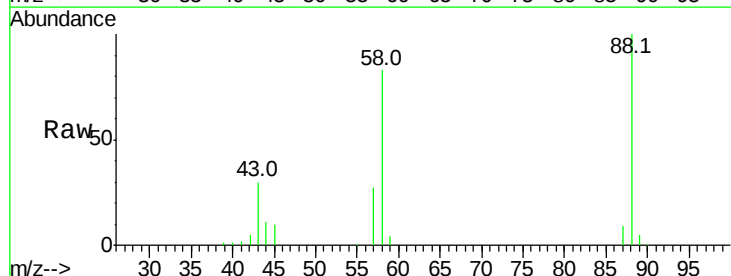
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11/17/2017 1:25:52 PM

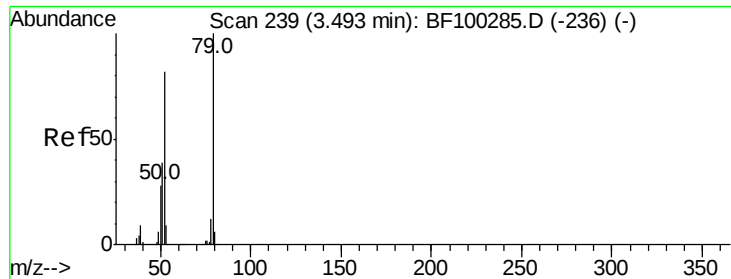


#2

1,4-Dioxane  
Concen: 37.439 ng  
RT: 2.77 min Scan# 117  
Delta R.T. 0.12 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 84.2  | 62.6  | 93.8  |
| 43      | 31.9  | 24.6  | 37.0  |





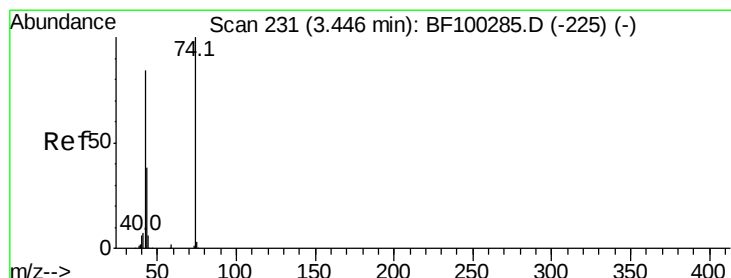
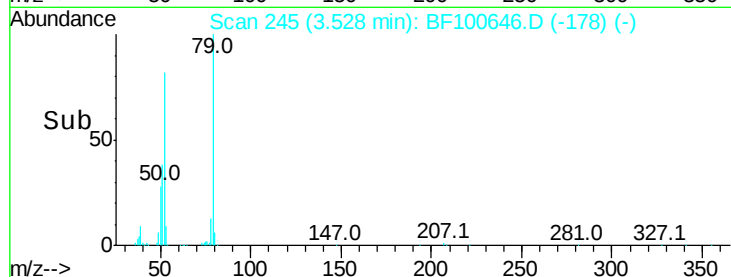
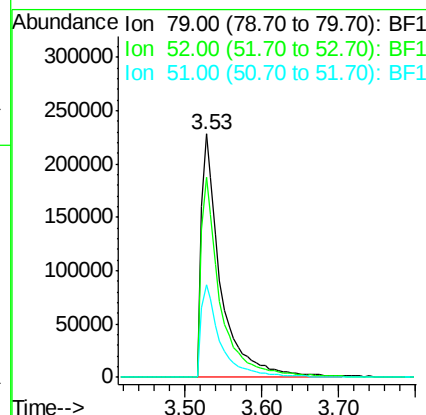
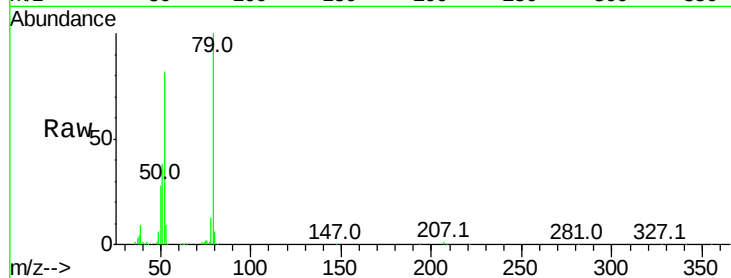
#3  
 Pvridine  
 Concen: 40.652 ng  
 RT: 3.53 min Scan# 245  
 Delta R.T. 0.09 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104306BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 82.2  | 59.8  | 89.6  |
| 51      | 38.2  | 29.8  | 44.8  |

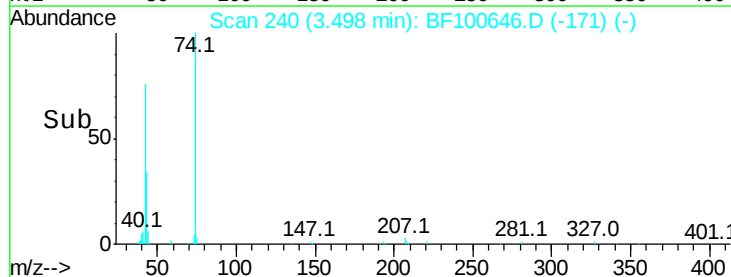
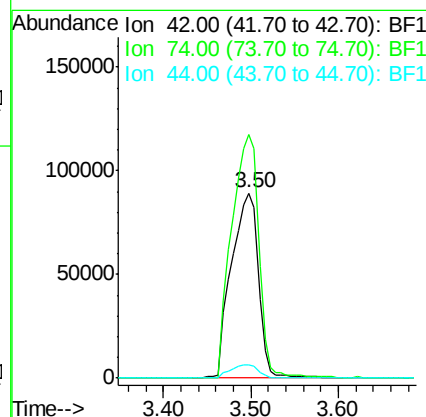
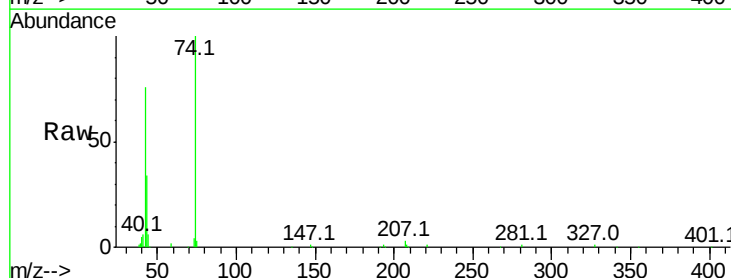
Manual Integrations  
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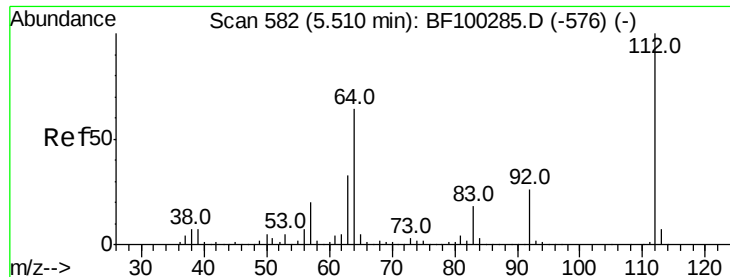
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 11/17/2017 1:25:52 PM



#4  
 n-Nitrosodimethylamine  
 Concen: 39.578 ng  
 RT: 3.50 min Scan# 240  
 Delta R.T. 0.11 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 131.7 | 104.9 | 157.3 |
| 44      | 7.4   | 6.9   | 10.3  |





#5

2-Fluorophenol

Concen: 77.120 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

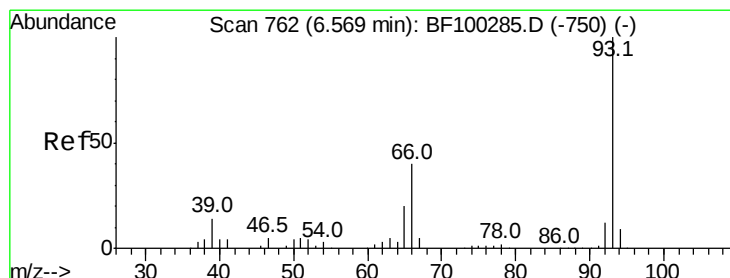
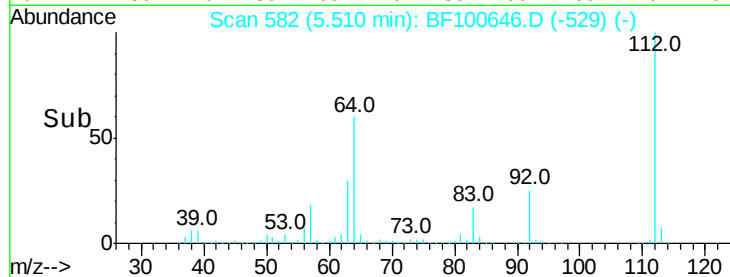
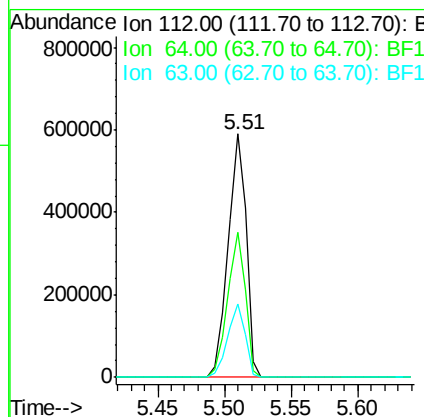
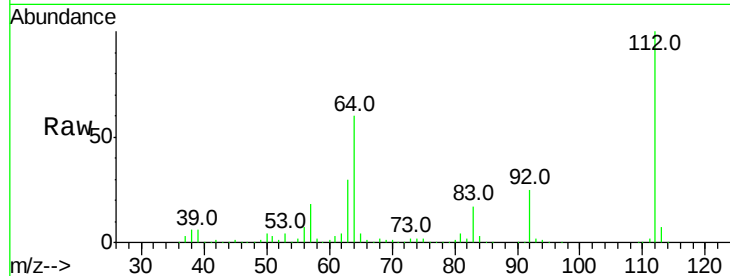
ClientSampleId :

PB104306BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 568540 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 59.8  | 47.9  | 71.9   |
| 63        | 30.1  | 23.7  | 35.5   |

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11/17/2017 1:25:52 PM



#6

Aniline

Concen: 21.150 ng

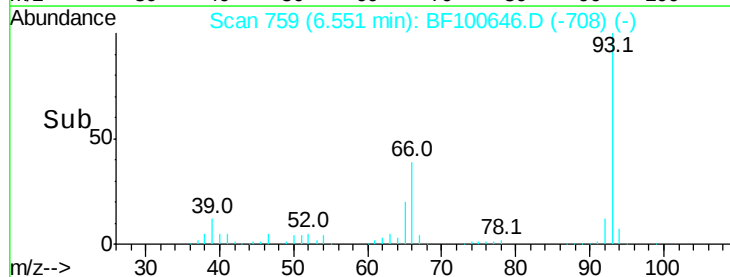
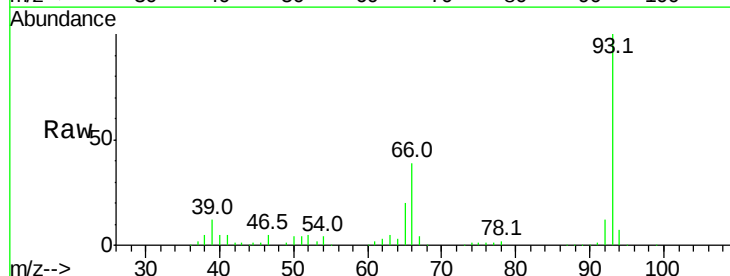
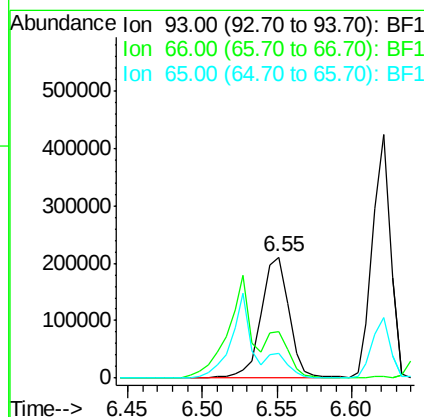
RT: 6.55 min Scan# 759

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 271640 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 38.6  | 32.2  | 48.2   |
| 65        | 20.4  | 16.4  | 24.6   |





#7

Phenol-d6

Concen: 76.578 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

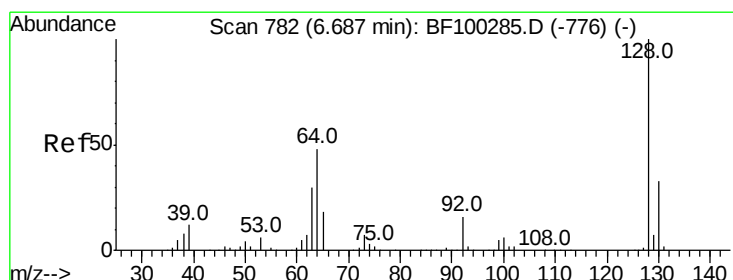
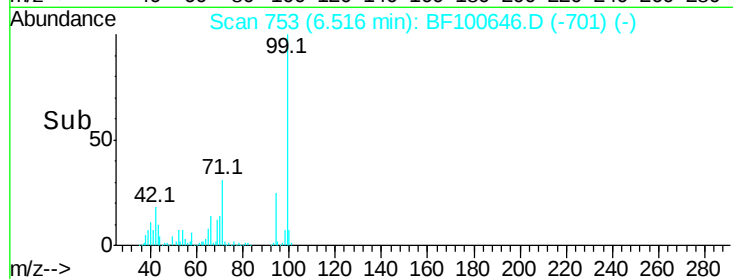
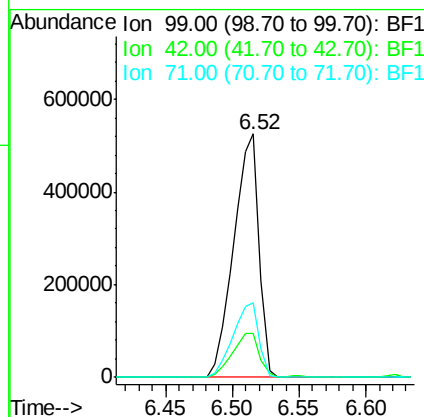
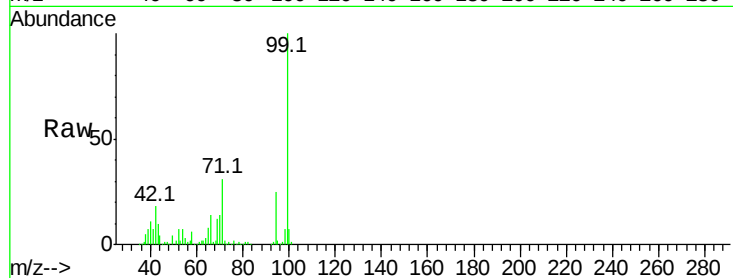
ClientSampleId :

PB104306BSD

| Tot Ion   | 99    | Resp  | 696163 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 18.2  | 14.5  | 21.7   |
| 71        | 30.8  | 25.4  | 38.0   |

Manual Integrations  
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SOHIL  
11/17/2017 1:25:52 PM



#8

2-Chlorophenol

Concen: 48.262 ng

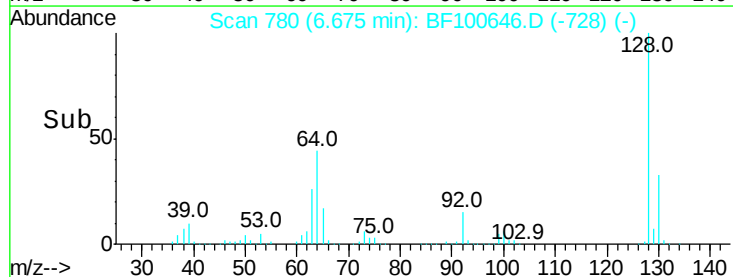
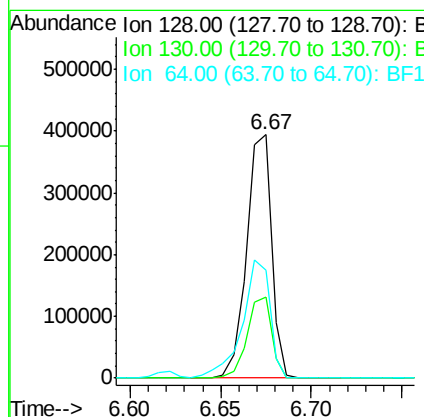
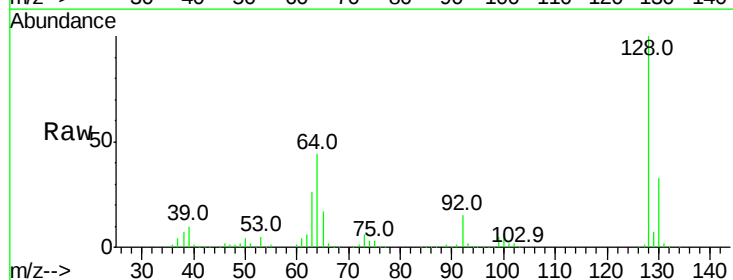
RT: 6.67 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

| Tgt Ion   | 128   | Resp  | 376399 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 33.3  | 13.0  | 53.0   |
| 64        | 44.4  | 29.4  | 69.4   |





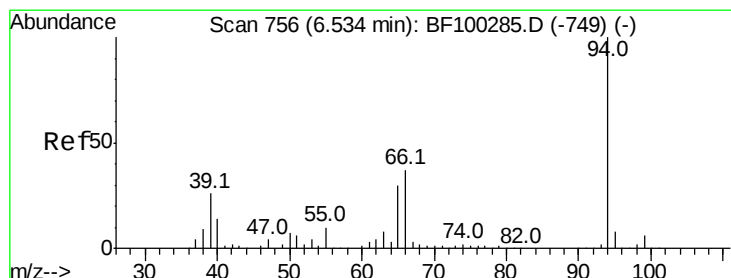
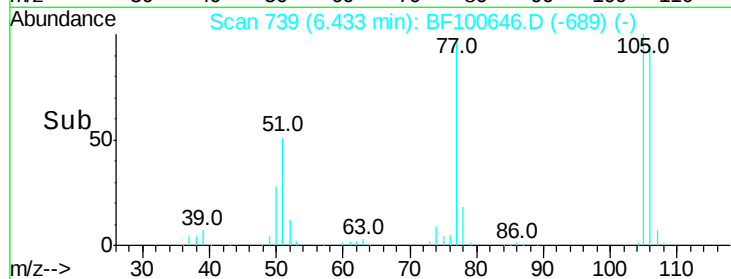
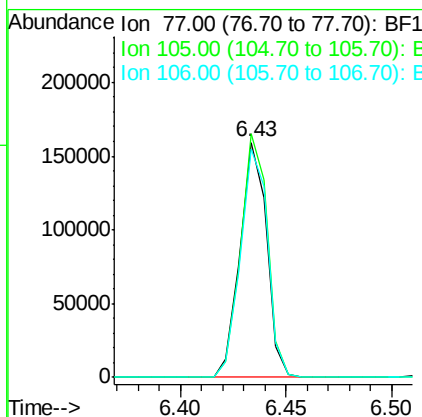
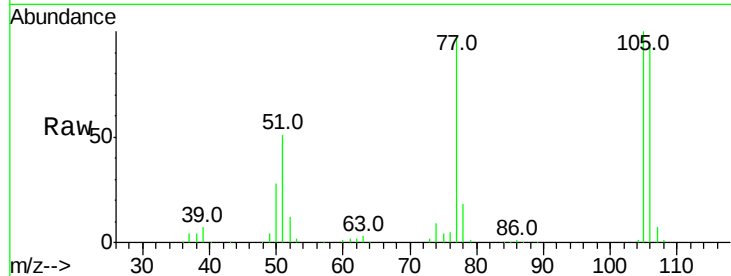
#9  
Benzaldehyde  
Concen: 21.361 ng  
RT: 6.43 min Scan# 739  
Delta R.T. -0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 103.5 | 81.1  | 121.1 |
| 106     | 96.8  | 74.5  | 114.5 |

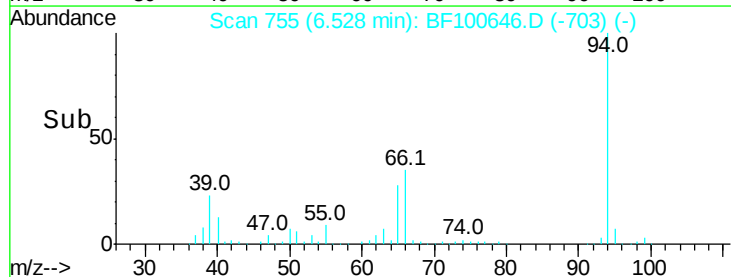
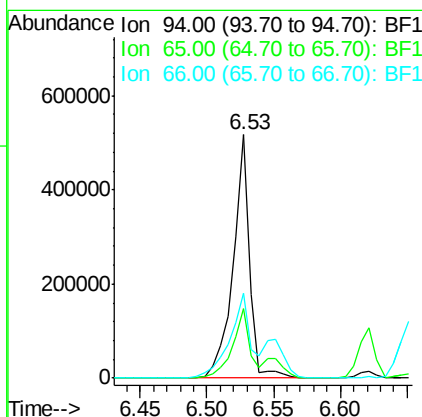
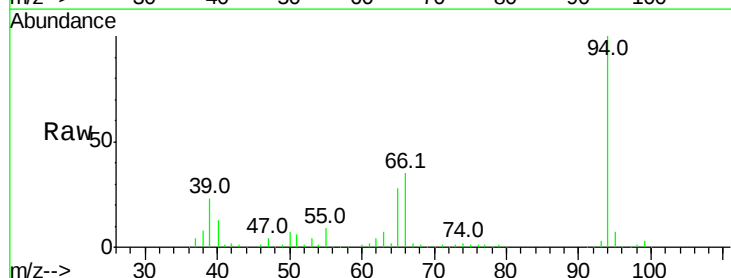
Manual Integrations  
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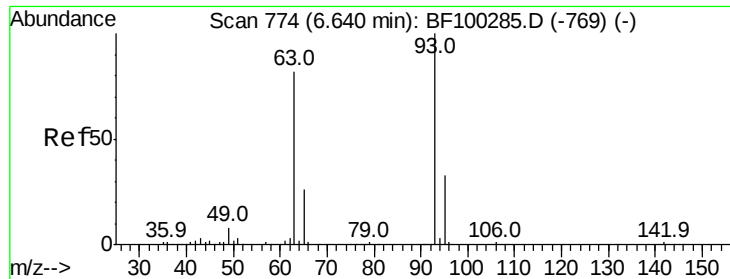
SOHIL  
11/17/2017 1:25:52 PM



#10  
Phenol  
Concen: 47.480 ng  
RT: 6.53 min Scan# 755  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 28.4  | 7.9   | 47.9  |
| 66      | 34.8  | 16.2  | 56.2  |





#11

bis(2-Chloroethyl)ether

Concen: 44.052 ng

RT: 6.62 min Scan# 771

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

ClientSampleId :

PB104306BSD

Tot Ion: 93 Resp: 353128

Ion Ratio Lower Upper

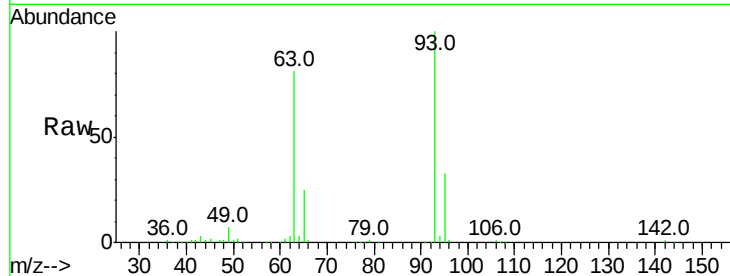
93 100

63 81.4 58.6 98.6

95 32.7 11.8 51.8

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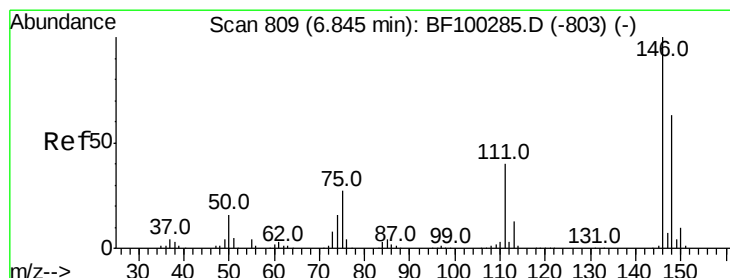
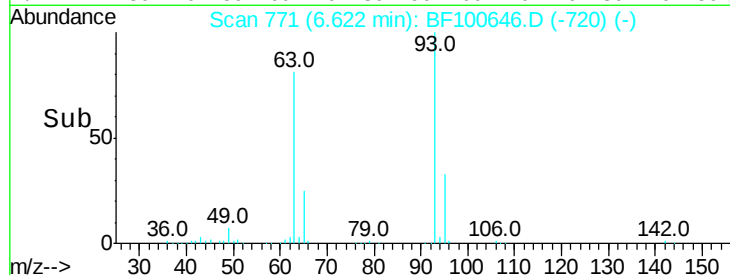
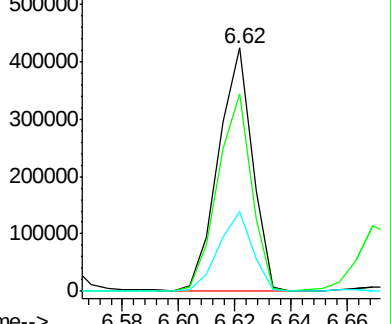
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Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 46.600 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

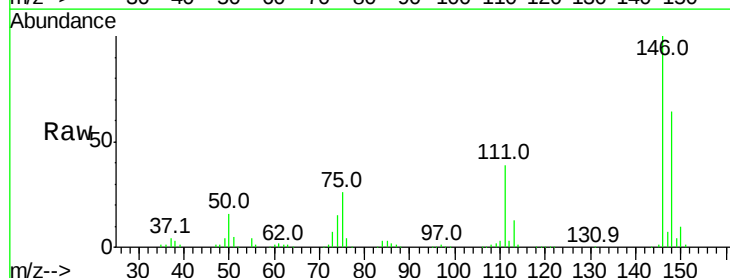
Tgt Ion: 146 Resp: 419016

Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.8

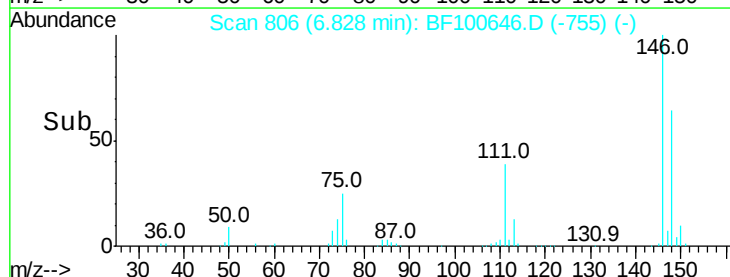
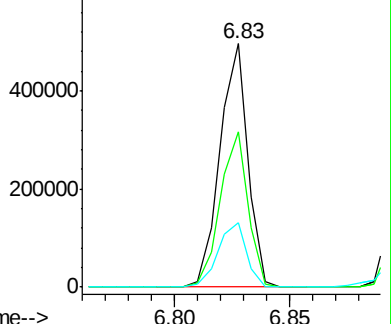
75 26.4 24.2 36.4

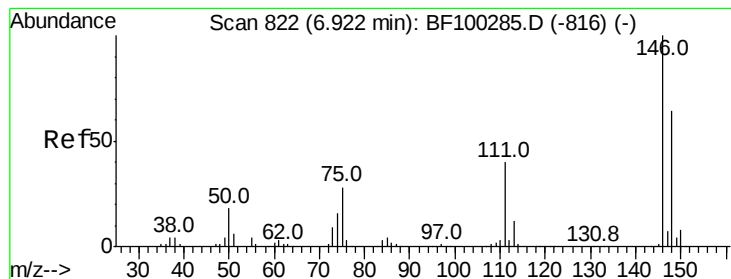


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 46.737 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

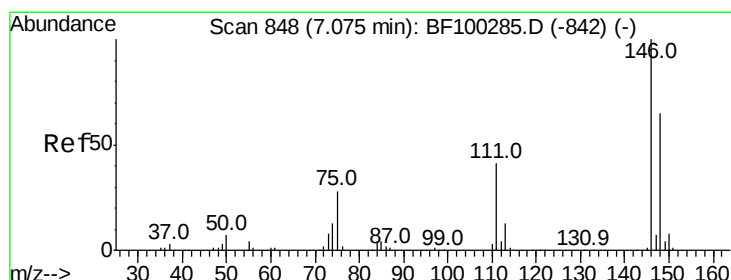
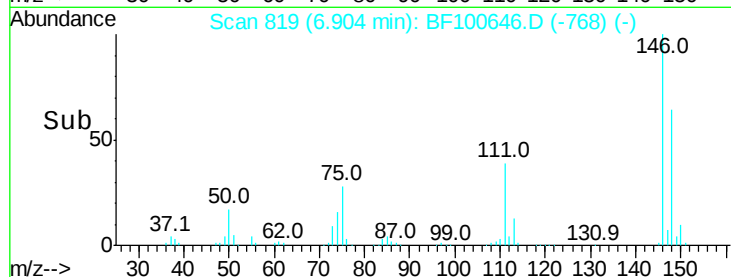
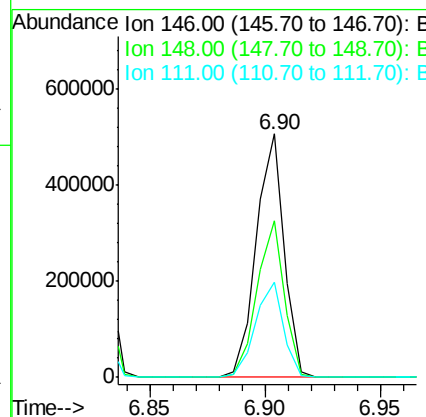
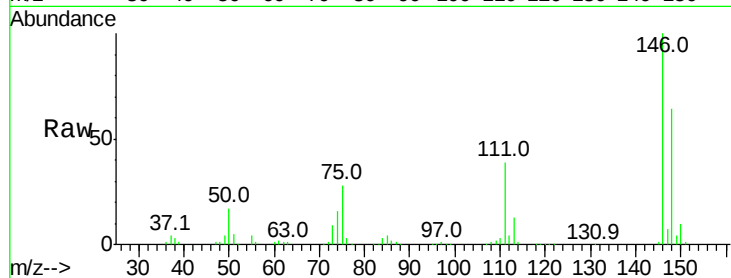
ClientSampleId :

PB104306BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 425336 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.1  | 50.8  | 76.2   |
| 111       | 38.9  | 34.2  | 51.2   |

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#14

1,2-Dichlorobenzene

Concen: 46.678 ng

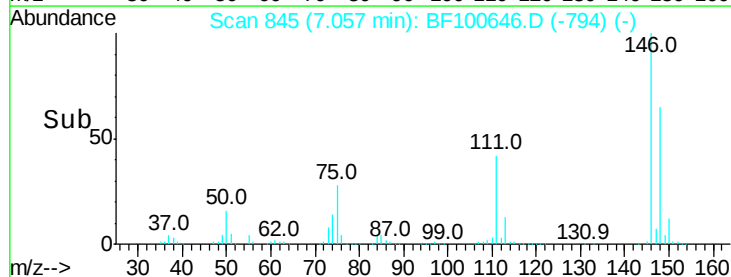
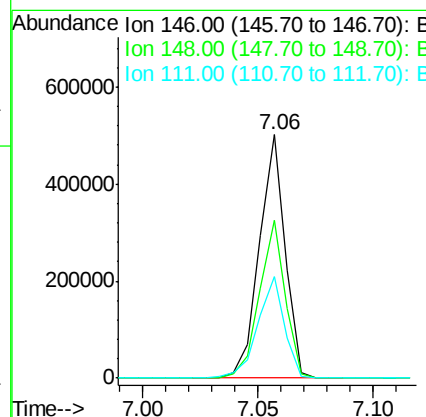
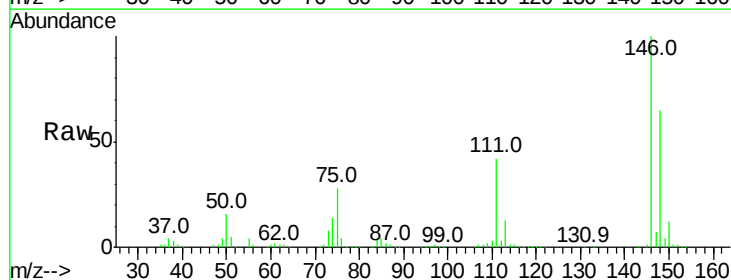
RT: 7.06 min Scan# 845

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 392767 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.0  | 50.6  | 75.8   |
| 111       | 41.8  | 36.0  | 54.0   |





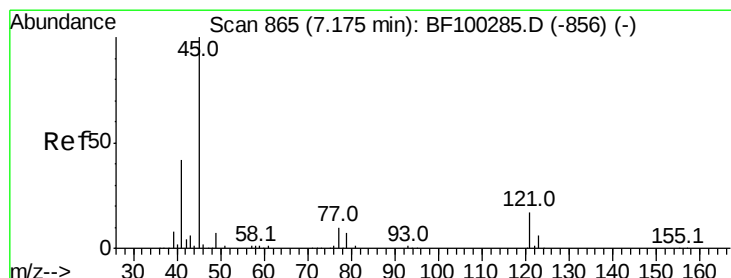
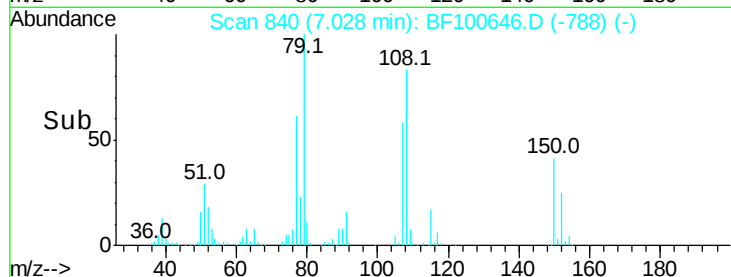
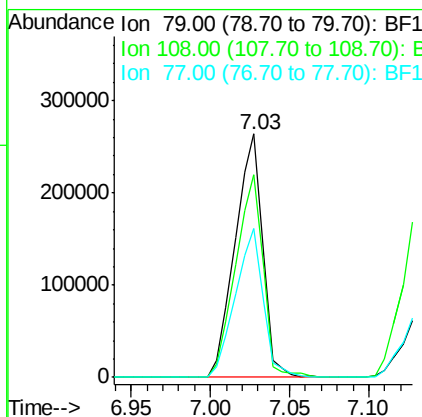
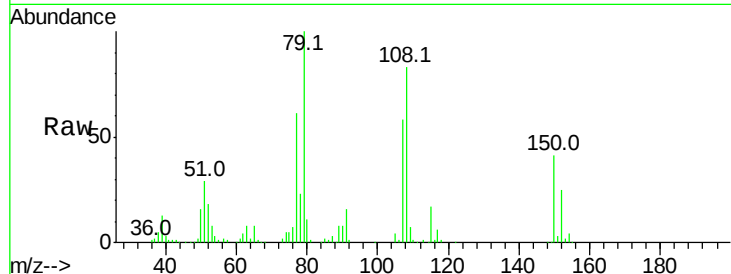
#15  
Benzyl Alcohol  
Concen: 44.673 ng  
RT: 7.03 min Scan# 840  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 83.2  | 65.1  | 97.7  |
| 77      | 61.0  | 50.6  | 75.8  |

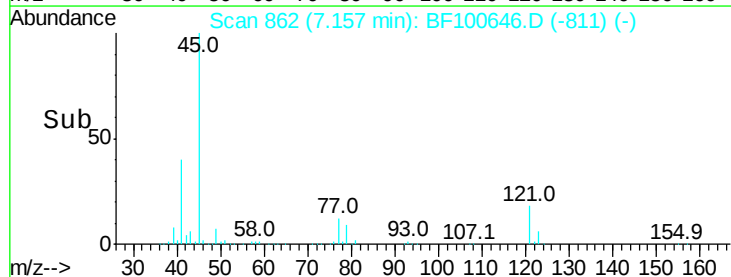
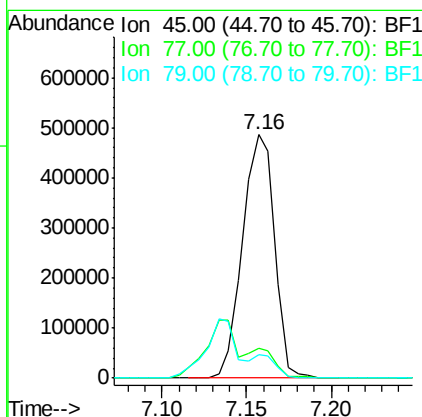
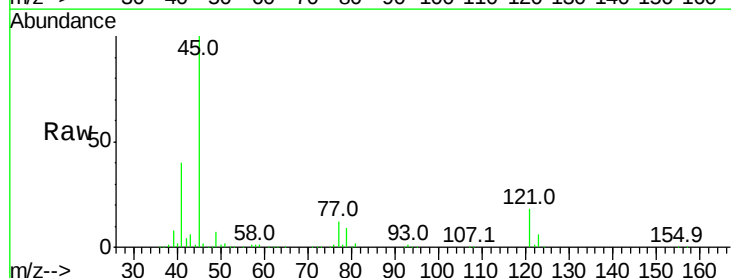
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#16  
2,2'-oxybis(1-chloropropane)  
Concen: 50.155 ng  
RT: 7.16 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 12.2  | 0.0   | 32.9  |
| 79      | 9.5   | 0.0   | 29.6  |





#17

2-Methylphenol

Concen: 49.326 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

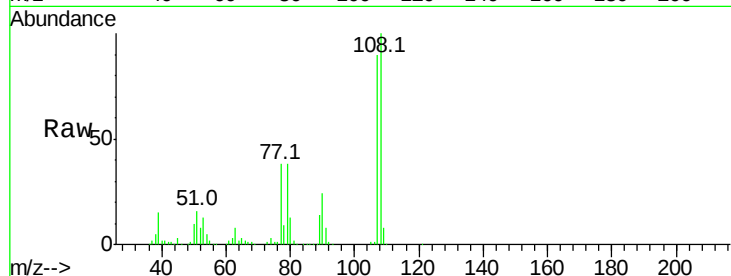
ClientSampleId :

PB104306BSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 111.1 | 91.7 | 137.5 |       |
| 77      | 41.8  | 33.8 | 50.8  |       |
| 79      | 42.2  | 33.8 | 50.8  |       |

Manual Integrations  
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11/17/2017 1:25:52 PM

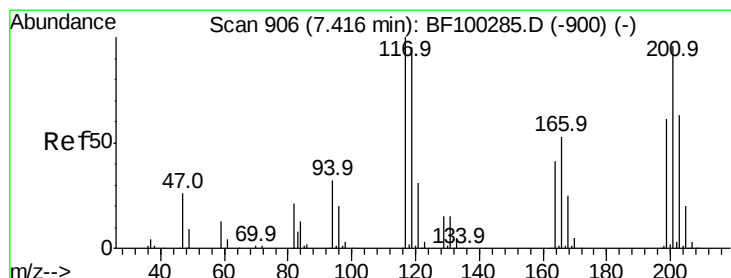
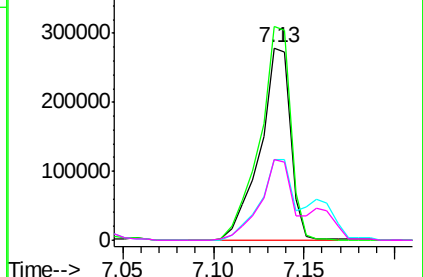
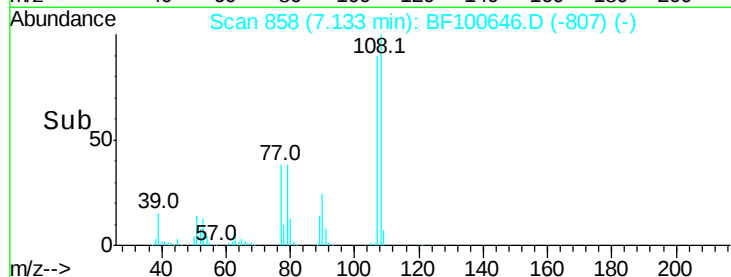


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 43.949 ng

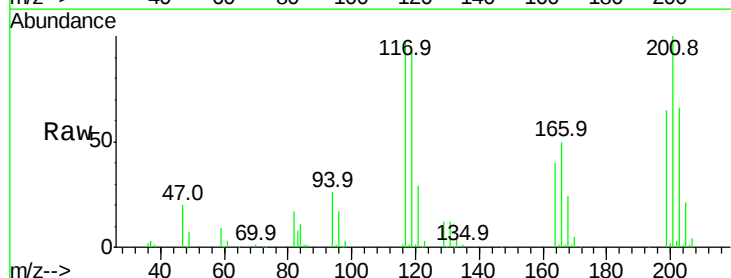
RT: 7.40 min Scan# 903

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

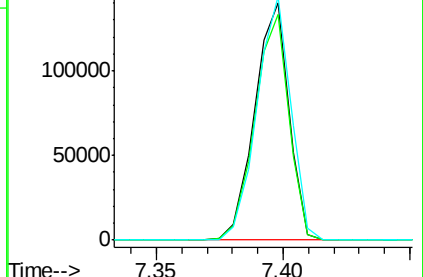
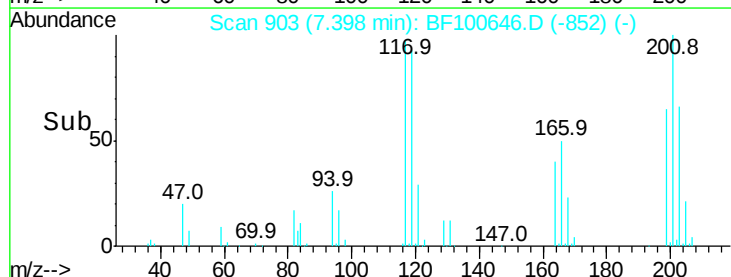
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 95.3  | 75.8 | 113.8 |       |
| 201     | 102.9 | 75.7 | 113.5 |       |

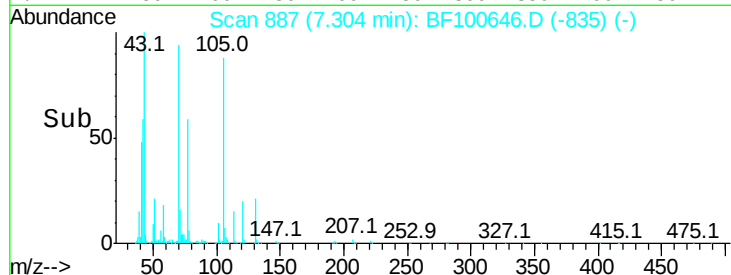
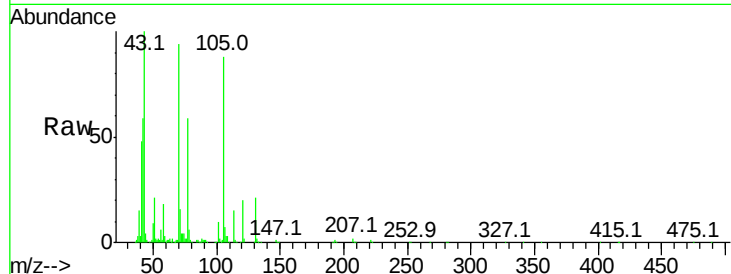
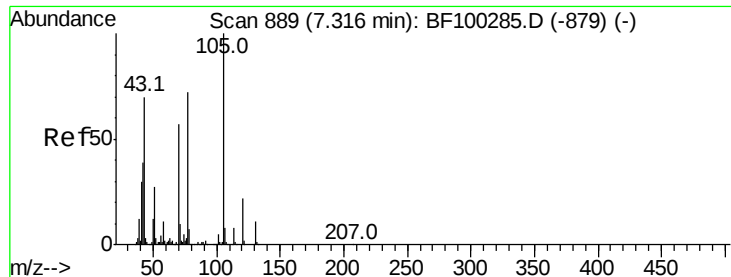


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





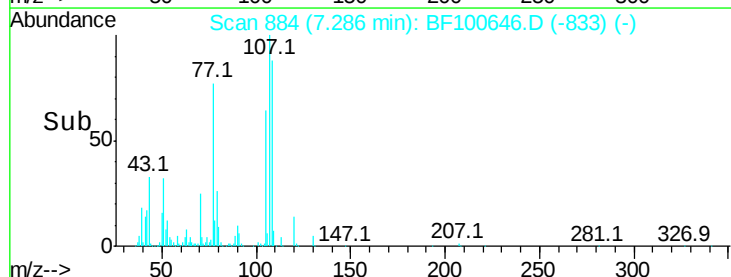
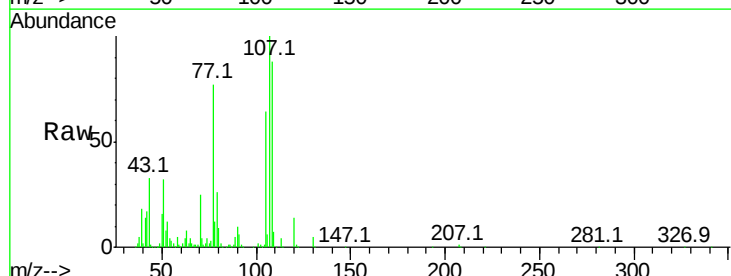
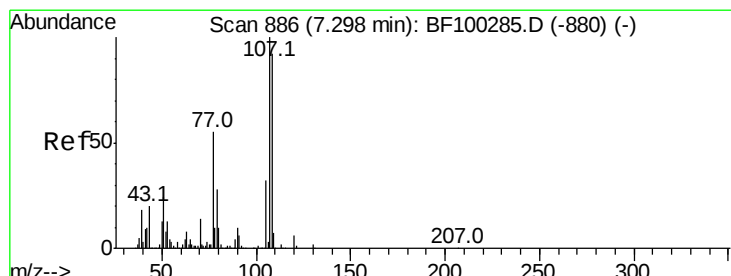
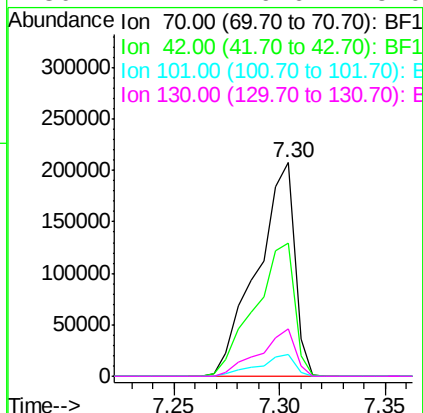
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.764 ng  
RT: 7.30 min Scan# 887  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

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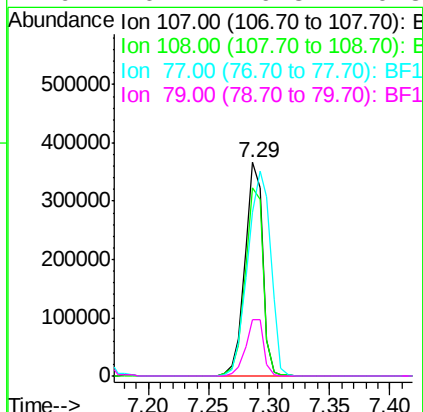
SOHIL  
11/17/2017 1:25:52 PM

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 62.3  | 47.5  | 71.3  |
| 101     | 10.4  | 7.4   | 11.2  |
| 130     | 22.1  | 16.6  | 25.0  |



#20  
3+4-Methylphenols  
Concen: 44.959 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 88.1  | 68.2  | 108.2 |
| 77      | 76.8  | 26.7  | 66.7# |
| 79      | 26.1  | 6.3   | 46.3  |





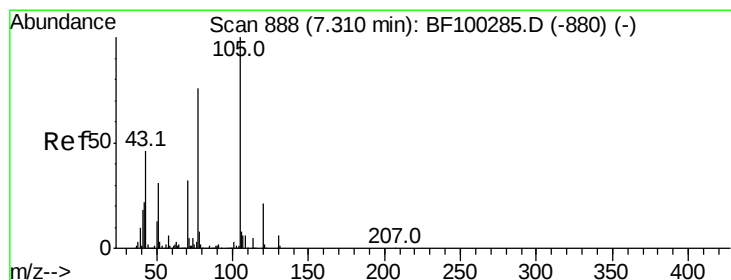
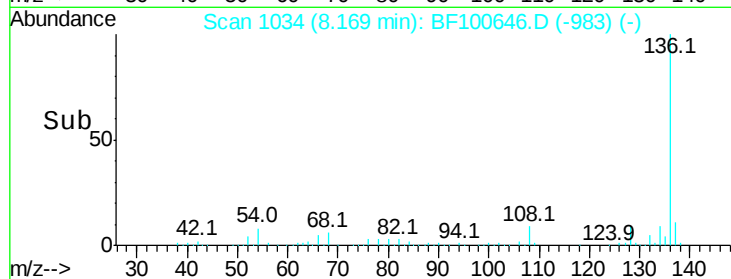
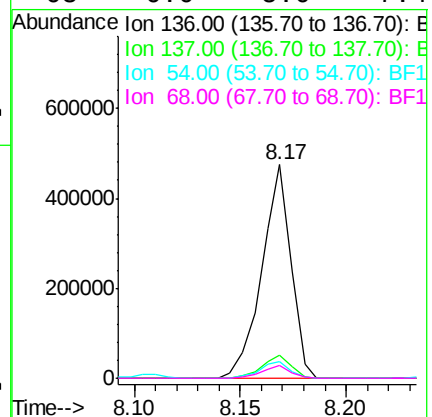
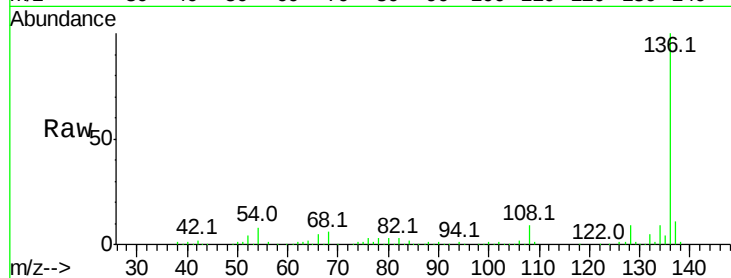
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 454089 |       |       |
| 137     | 11.0  |        | 8.9   | 13.3  |
| 54      | 7.9   |        | 6.6   | 9.8   |
| 68      | 6.0   |        | 5.0   | 7.4   |

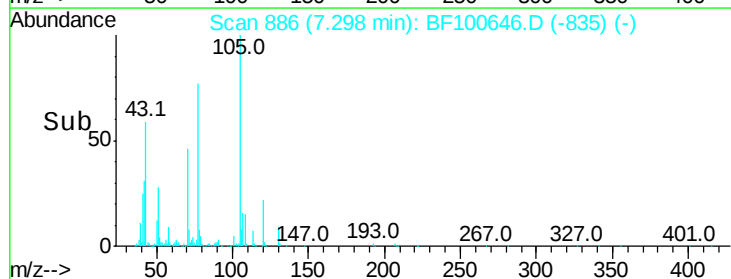
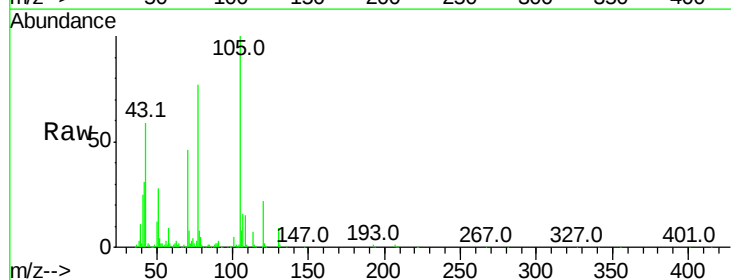
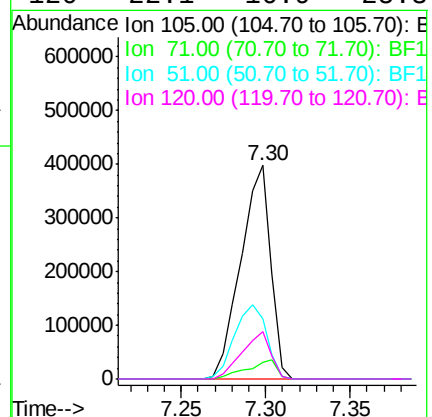
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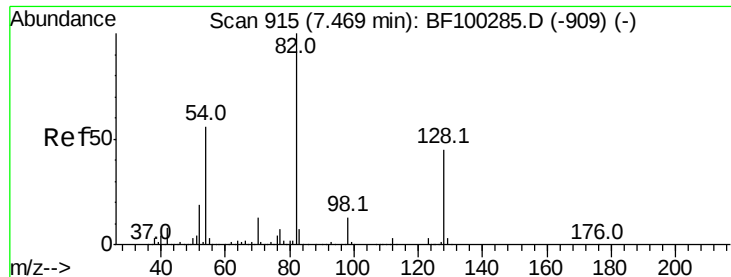
SOHIL  
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#22  
Acetophenone  
Concen: 44.350 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 491079 |       |       |
| 71      | 7.8   |        | 4.4   | 6.6#  |
| 51      | 28.3  |        | 22.3  | 33.5  |
| 120     | 22.1  |        | 16.9  | 25.3  |





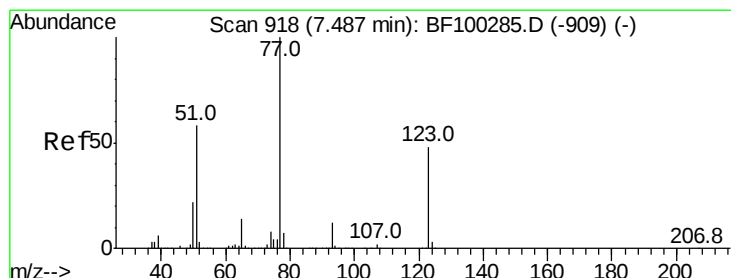
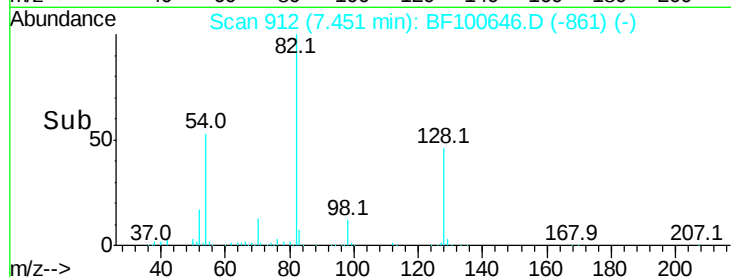
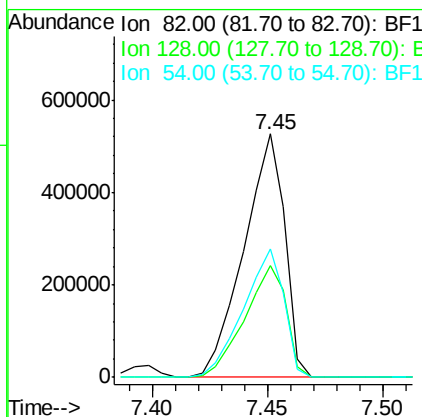
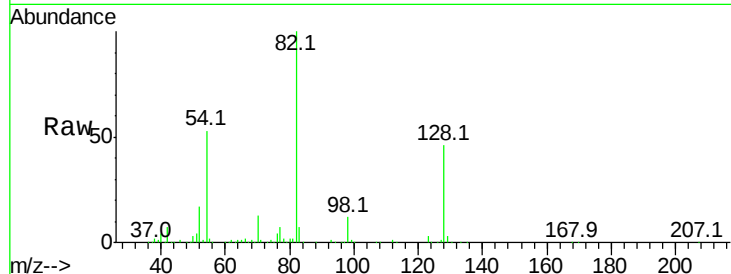
#23  
 Nitrobenzene-d5  
 Concen: 94.420 ng  
 RT: 7.45 min Scan# 912  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104306BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.0  | 36.1  | 54.1  |
| 54      | 52.7  | 41.4  | 62.2  |

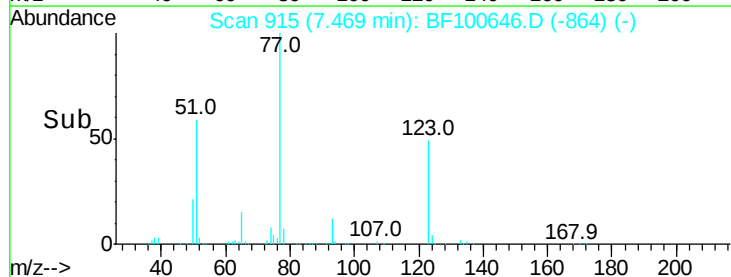
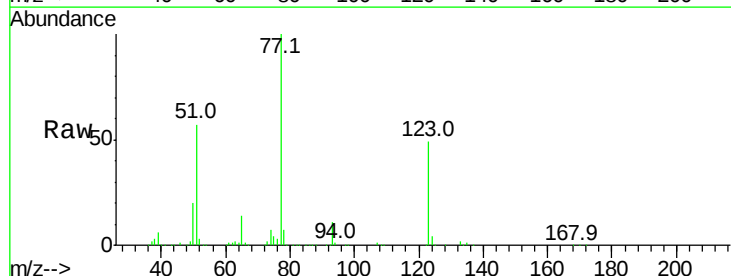
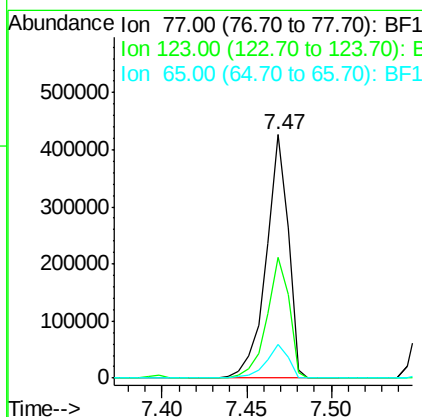
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#24  
 Nitrobenzene  
 Concen: 54.319 ng  
 RT: 7.47 min Scan# 915  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 49.4  | 37.9  | 56.9  |
| 65      | 13.8  | 11.0  | 16.4  |





#25

Isophorone

Concen: 50.209 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

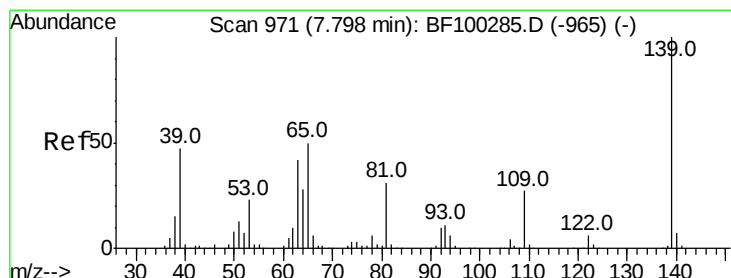
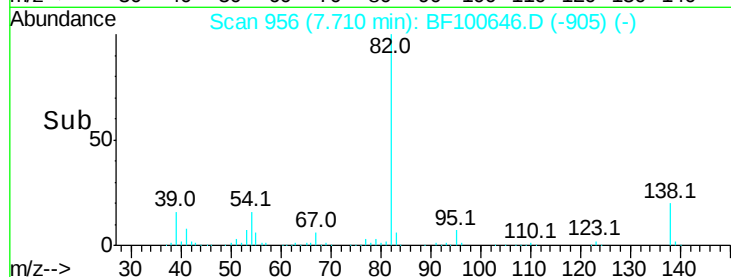
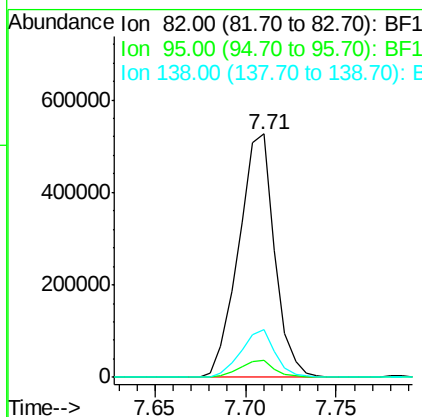
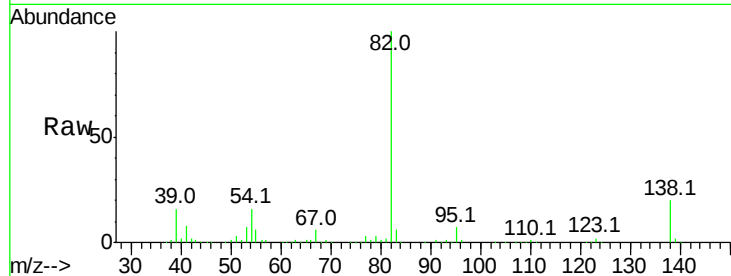
ClientSampleId :

PB104306BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 724675 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.8   | 5.2   | 7.8    |
| 138       | 19.8  | 14.9  | 22.3   |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 59.055 ng

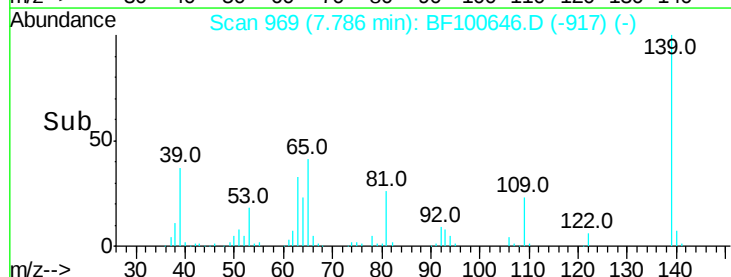
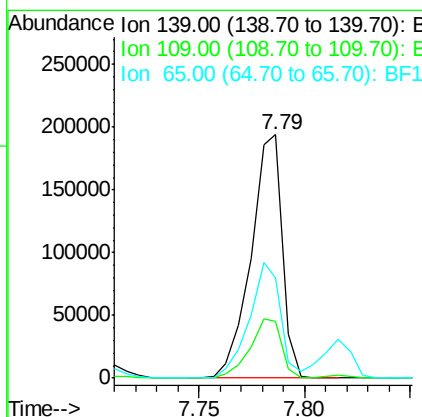
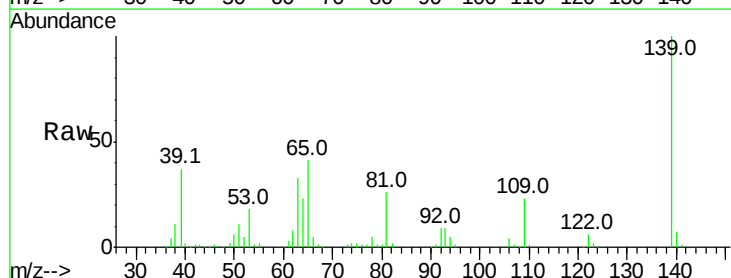
RT: 7.79 min Scan# 969

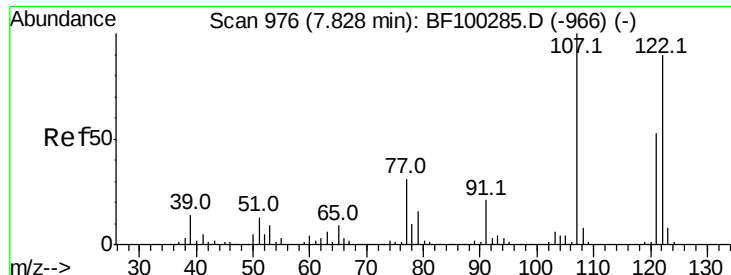
Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 200359 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 23.4  | 22.7  | 34.1   |
| 65        | 41.4  | 40.5  | 60.7   |





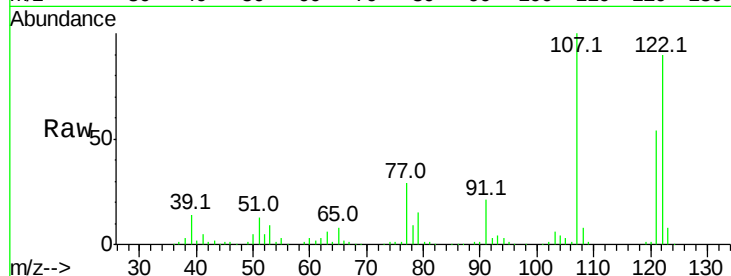
#27  
 2,4-Dimethylphenol  
 Concen: 55.721 ng  
 RT: 7.82 min Scan# 974  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104306BSD

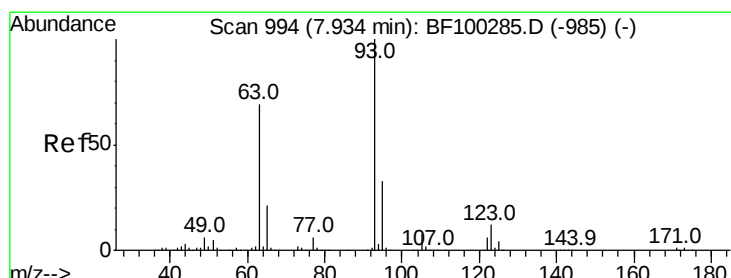
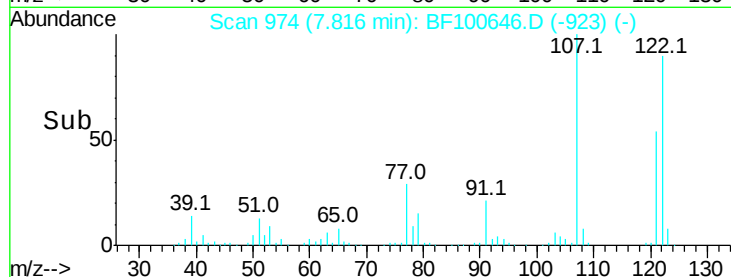
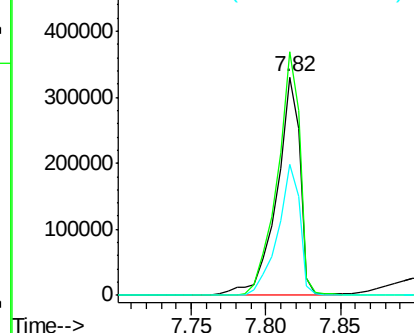
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 111.6 | 91.2  | 136.8 |
| 121     | 60.3  | 47.2  | 70.8  |

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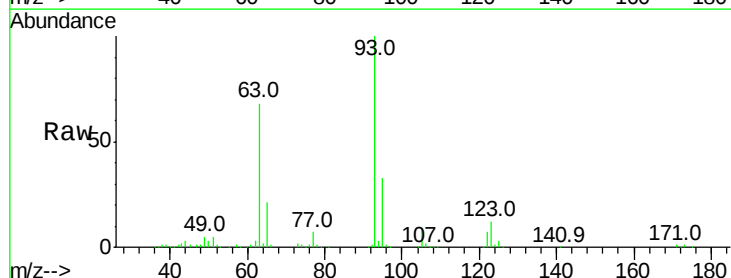


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

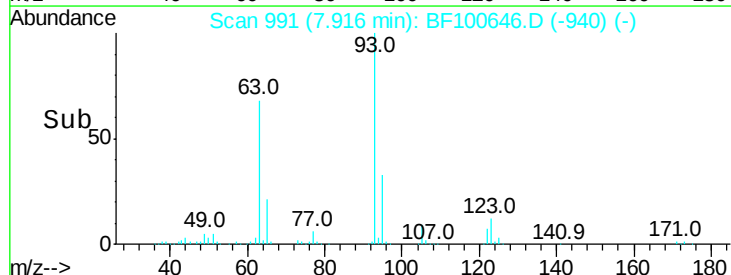
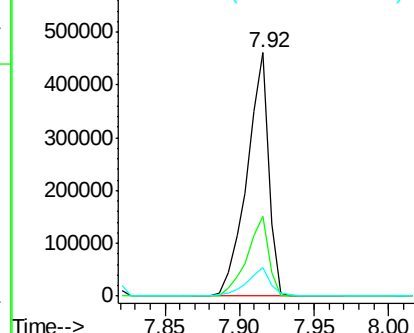


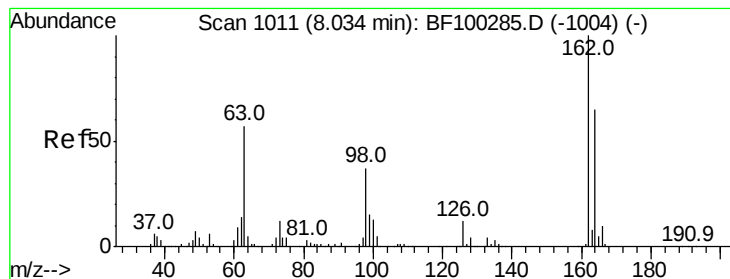
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 49.225 ng  
 RT: 7.92 min Scan# 991  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.8  | 26.3  | 39.5  |
| 123     | 11.7  | 9.8   | 14.6  |



Abundance Ion 93.00 (92.70 to 93.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 54.029 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

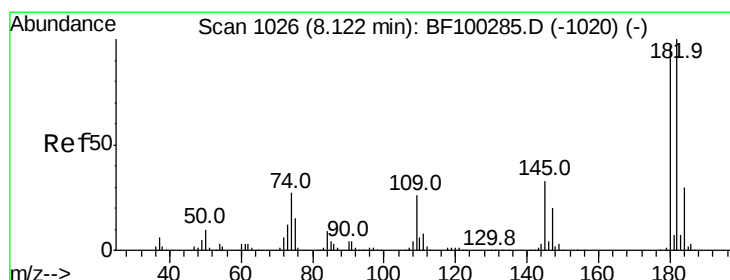
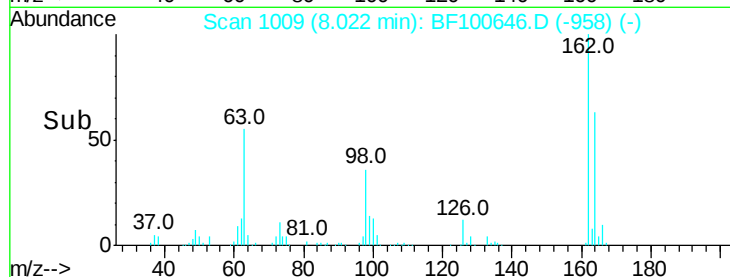
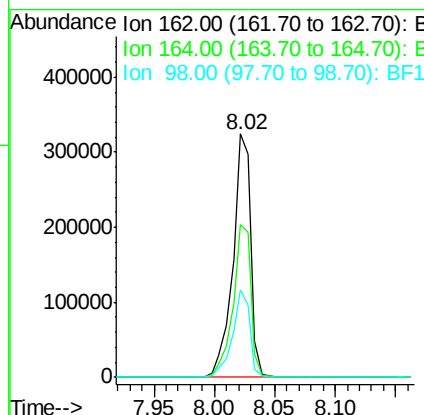
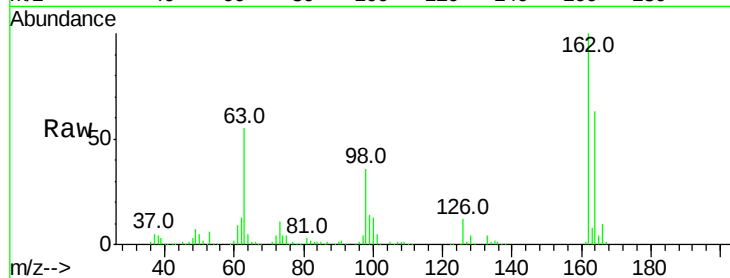
ClientSampleId :

PB104306BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 333719 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 62.5  | 42.7  | 82.7   |
| 98        | 36.1  | 18.1  | 58.1   |

Manual Integrations  
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#30

1,2,4-Trichlorobenzene

Concen: 51.018 ng

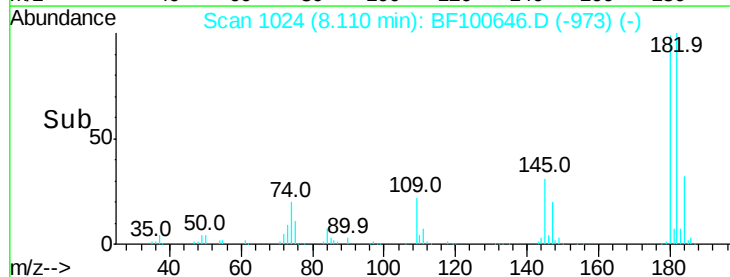
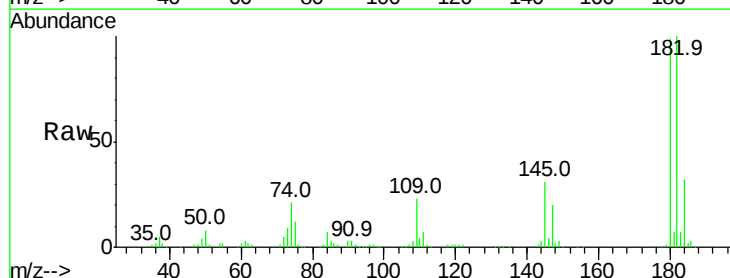
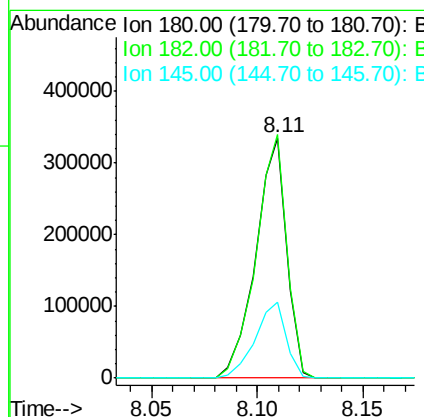
RT: 8.11 min Scan# 1024

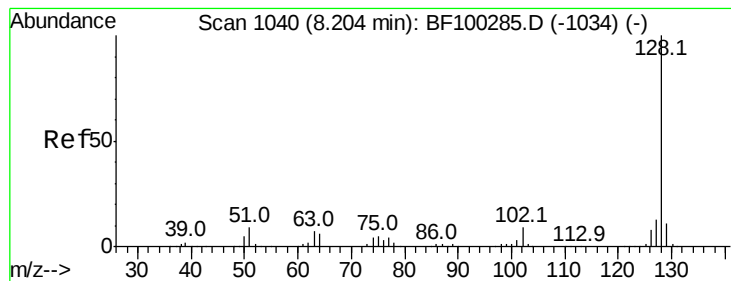
Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 340866 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 101.3 | 76.8  | 115.2  |
| 145       | 31.4  | 26.5  | 39.7   |





#31

Naphthalene

Concen: 48.504 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

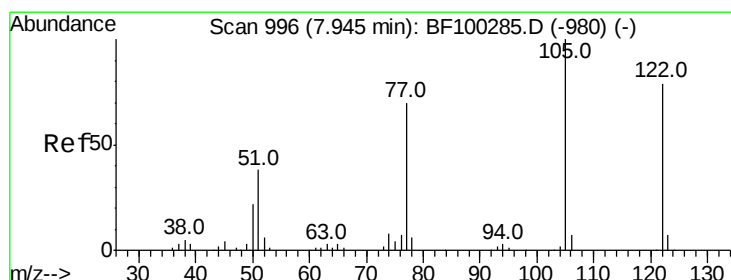
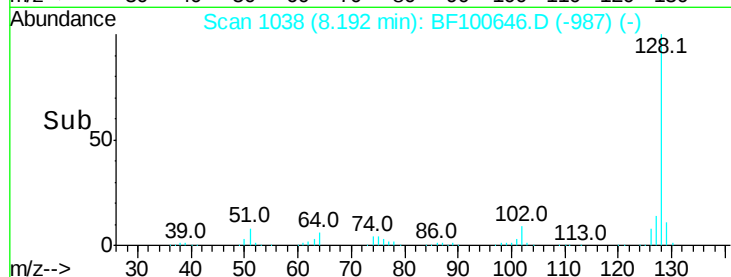
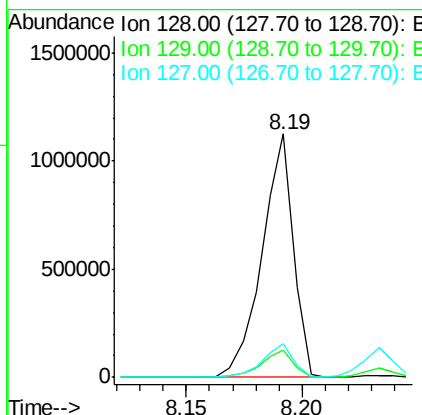
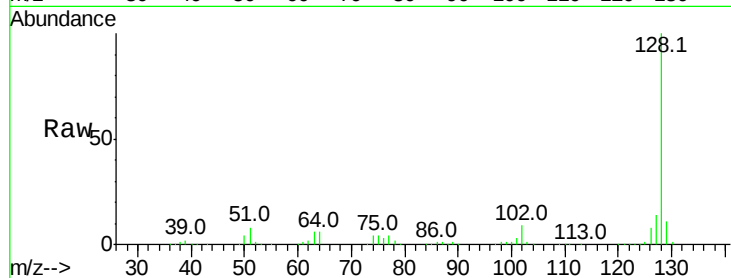
ClientSampled :

PB104306BSD

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 128   | Resp: | 1060844 |
| Ion      | Ratio | Lower | Upper   |
| 128      | 100   |       |         |
| 129      | 11.4  | 8.8   | 13.2    |
| 127      | 14.0  | 10.9  | 16.3    |

Manual Integrations  
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#32

Benzoic acid

Concen: 32.899 ng m

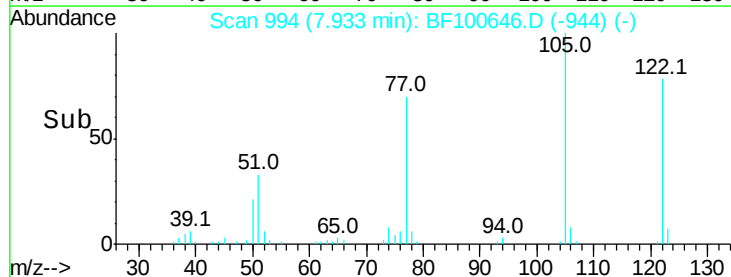
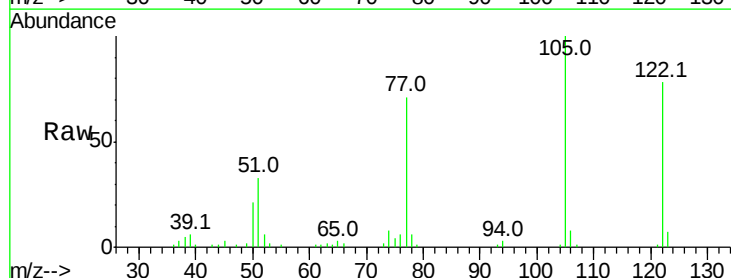
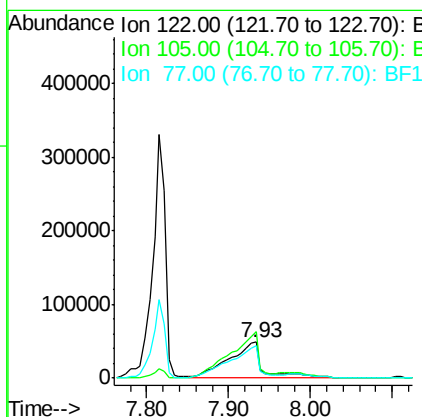
RT: 7.93 min Scan# 994

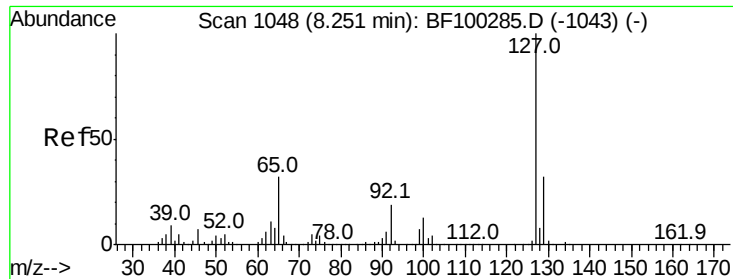
Delta R.T. -0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 122   | Resp: | 144853 |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 105      | 128.4 | 101.1 | 141.1  |
| 77       | 90.8  | 70.7  | 110.7  |





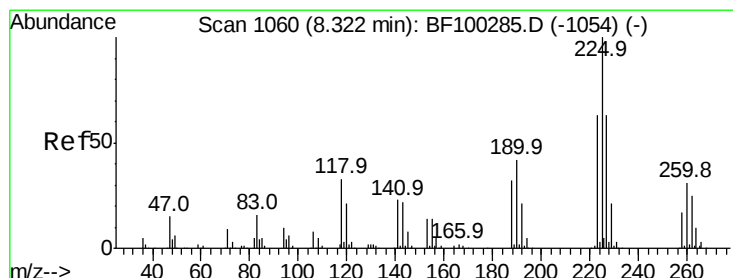
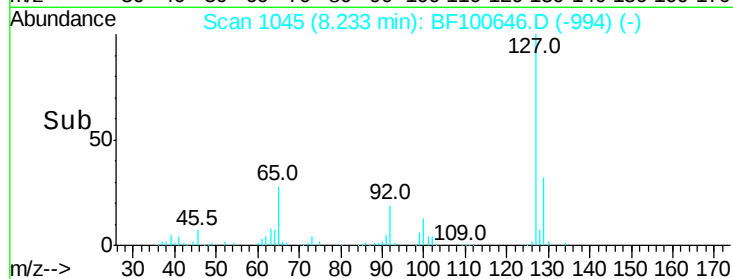
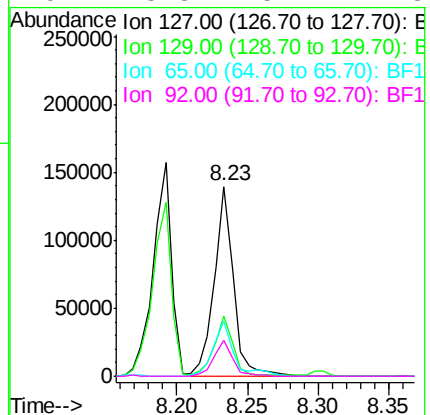
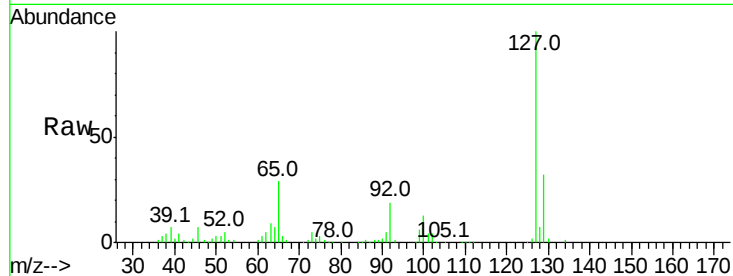
#33  
 4-Chloroaniline  
 Concen: 14.639 ng  
 RT: 8.23 min Scan# 1045  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104306BSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 31.8  | 25.9 | 38.9  |       |
| 65      | 29.1  | 25.0 | 37.4  |       |
| 92      | 18.8  | 15.2 | 22.8  |       |

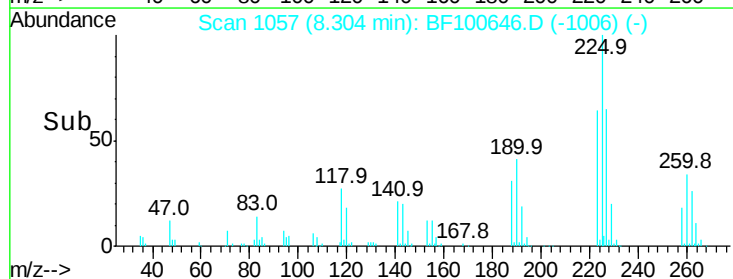
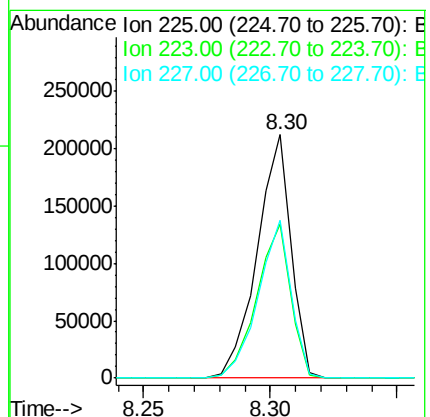
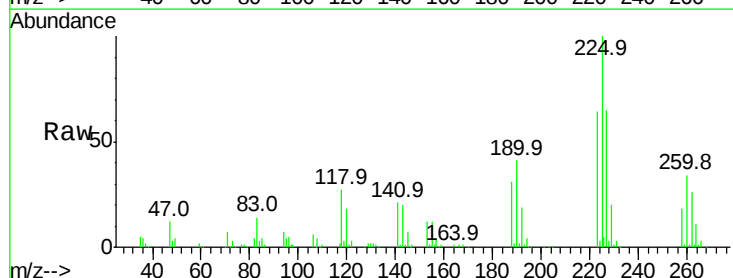
Manual Integrations  
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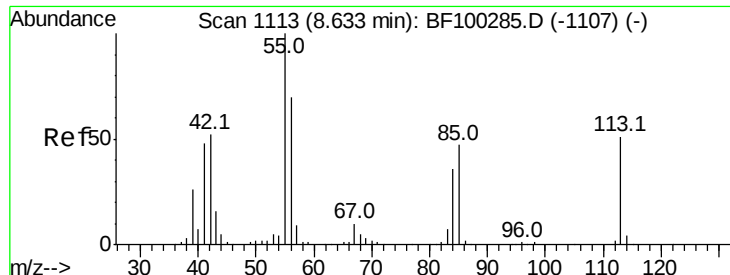
SOHIL  
 11/17/2017 1:25:52 PM



#34  
 Hexachlorobutadiene  
 Concen: 49.969 ng  
 RT: 8.30 min Scan# 1057  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.5  | 50.6 | 76.0  |       |
| 227     | 65.0  | 51.9 | 77.9  |       |





#35

Caprolactam

Concen: 44.881 ng/mL

RT: 8.62 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

ClientSampleId :

PB104306BSD

Tot Ion:113 Resp: 95136

Ion Ratio Lower Upper

113 100

55 191.1 163.3 203.3

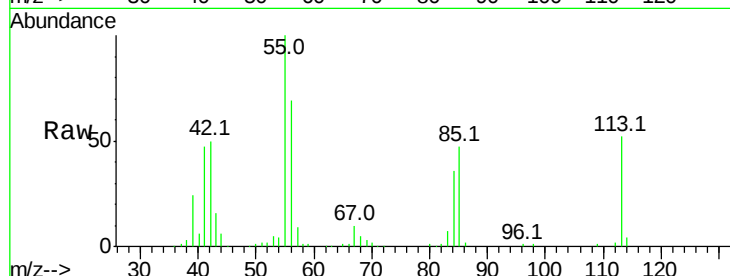
56 131.8 115.7 155.7

Manual Integrations

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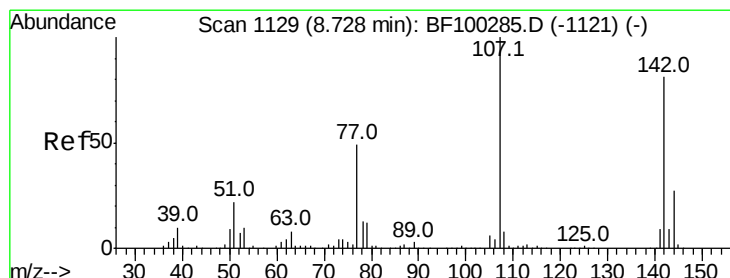
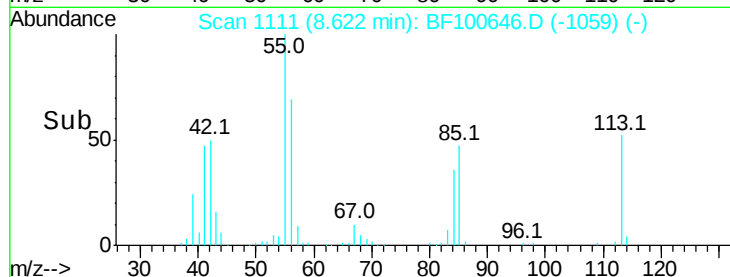
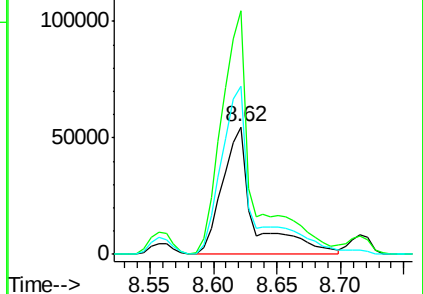
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 49.758 ng/mL

RT: 8.72 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

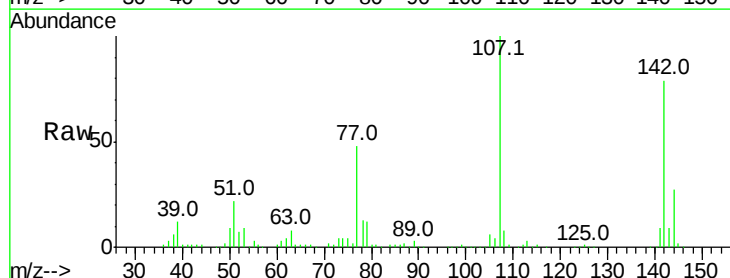
Tgt Ion:107 Resp: 330086

Ion Ratio Lower Upper

107 100

144 27.0 20.5 30.7

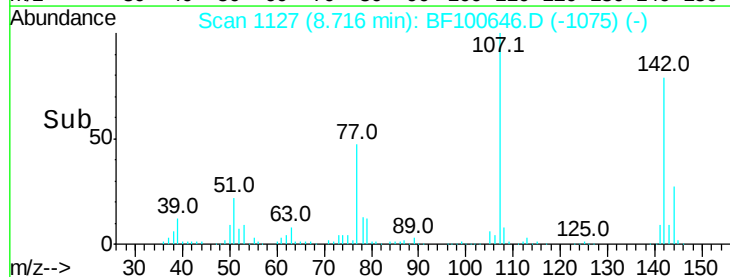
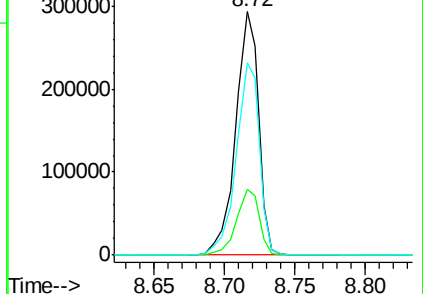
142 79.1 62.0 93.0

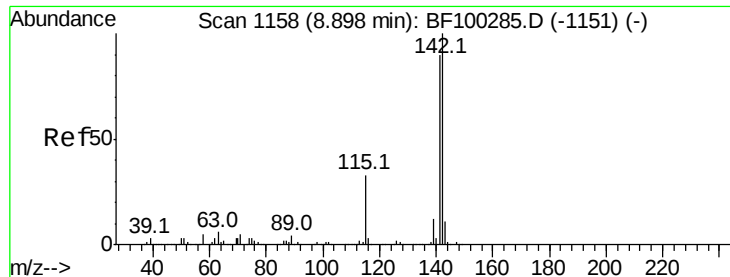


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





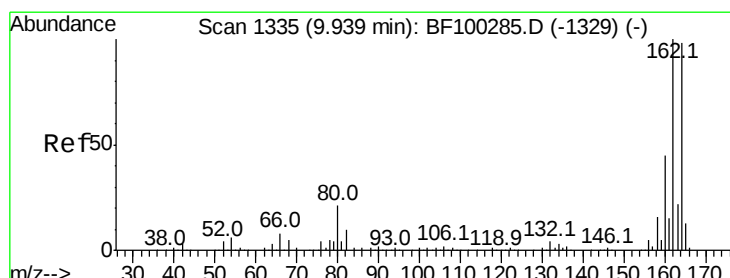
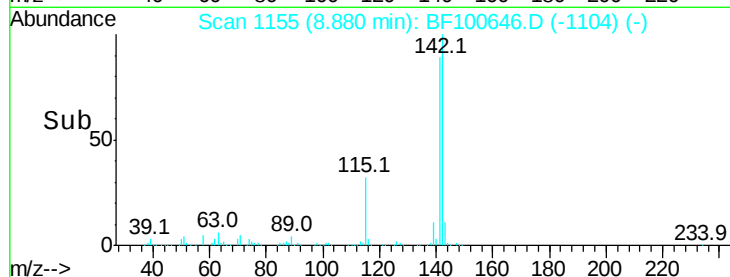
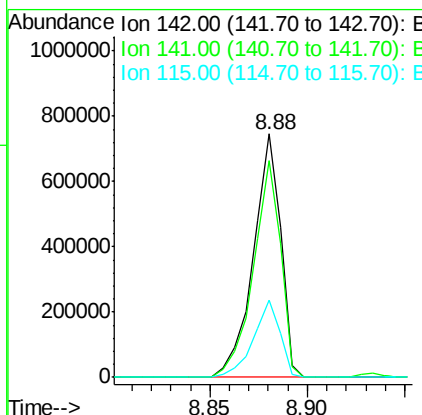
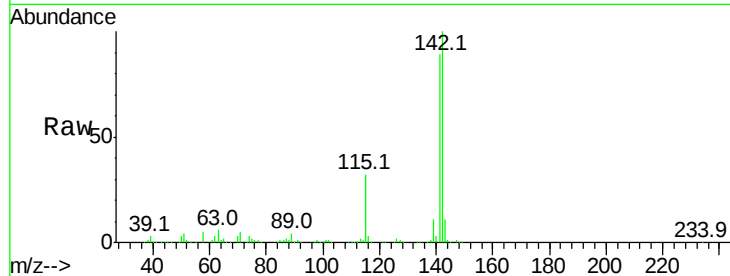
#37  
2-Methylnaphthalene  
Concen: 49.872 ng  
RT: 8.88 min Scan# 1155  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.9  | 70.8  | 106.2 |
| 115     | 31.6  | 26.1  | 39.1  |

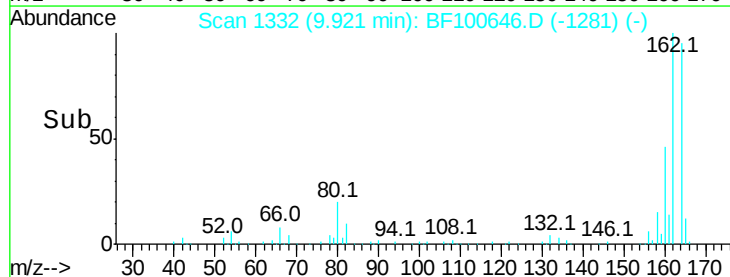
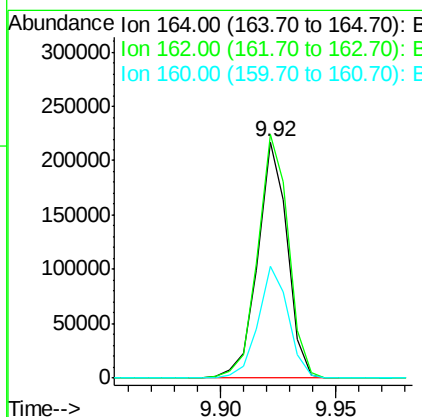
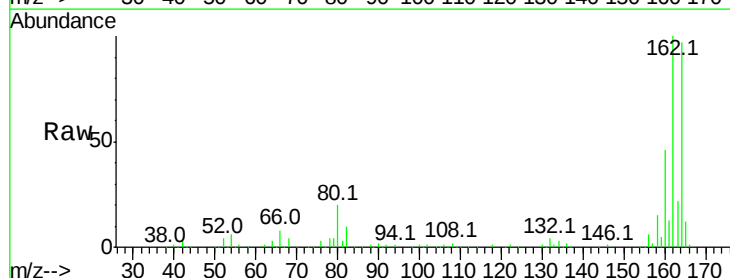
Manual Integrations  
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.9 | 86.1  | 129.1 |
| 160     | 47.1  | 38.3  | 57.5  |





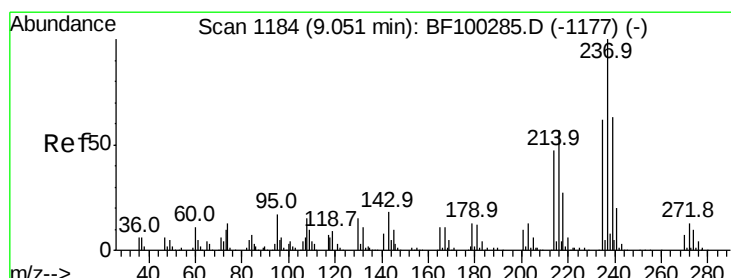
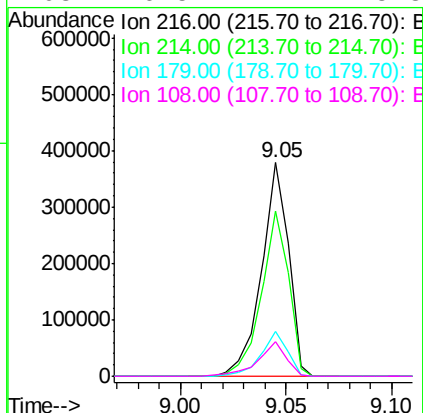
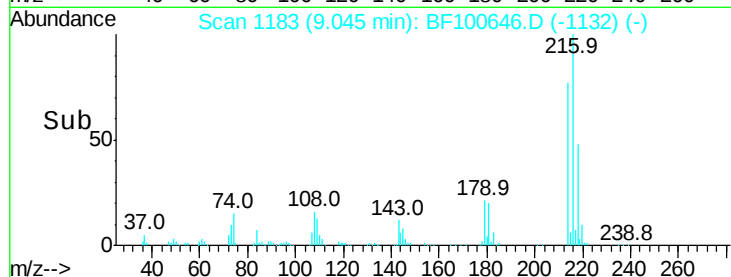
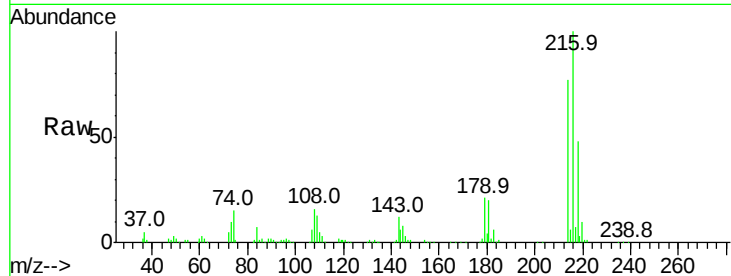
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 52.381 ng  
 RT: 9.05 min Scan# 1183  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104306BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 337931 |       |       |
| 214     | 78.0  | 63.0   | 94.4  |       |
| 179     | 20.3  | 18.1   | 27.1  |       |
| 108     | 16.5  | 17.2   | 25.8  |       |

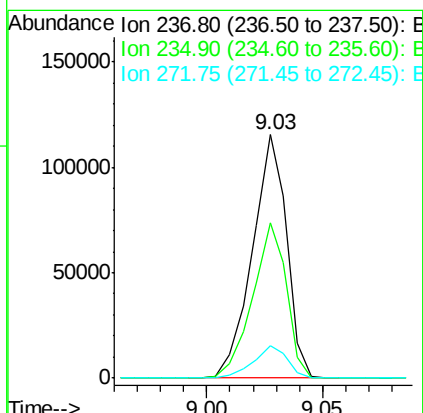
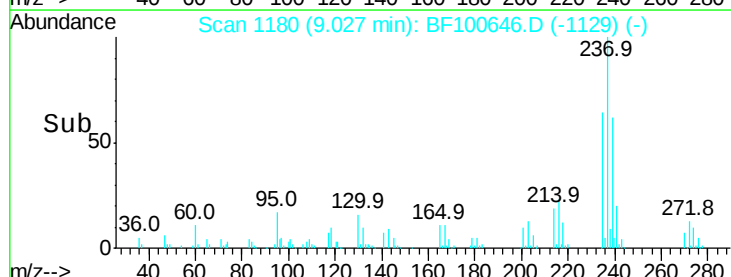
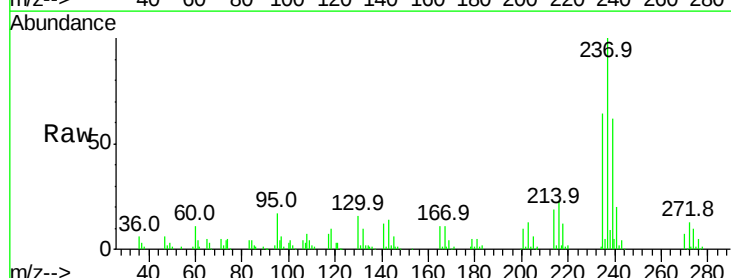
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#40  
 Hexachlorocyclopentadiene  
 Concen: 39.321 ng  
 RT: 9.03 min Scan# 1180  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 119392 |       |       |
| 235     | 63.7  | 44.8   | 84.8  |       |
| 272     | 13.2  | 0.0    | 33.3  |       |





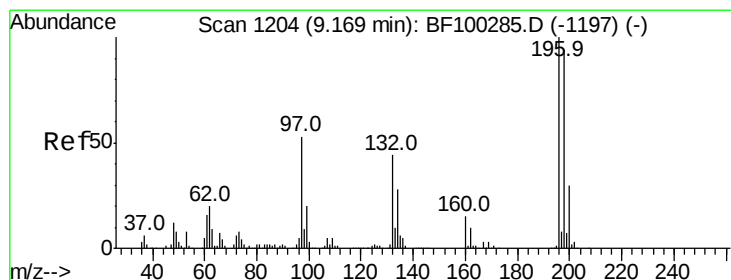
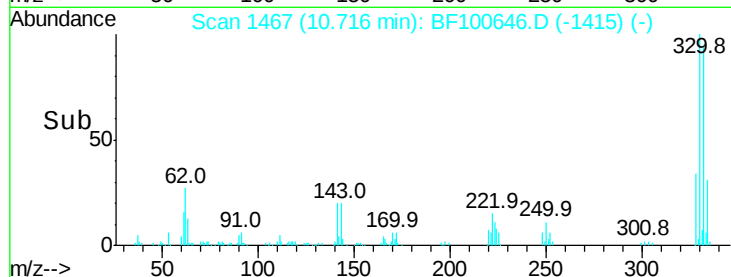
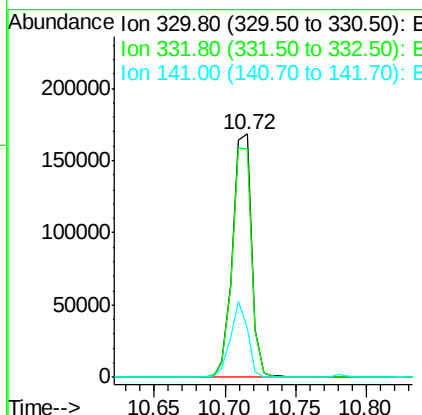
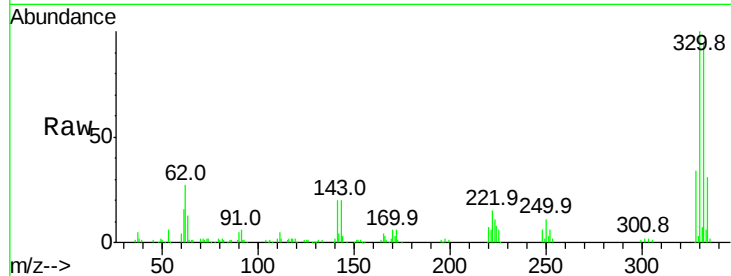
#41  
 2,4,6-Tribromophenol  
 Concen: 79.966 ng  
 RT: 10.72 min Scan# 1467  
 Delta R.T. 0.01 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104306BSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.5  | 77.0 | 115.6 |       |
| 141     | 28.0  | 29.9 | 44.9  |       |

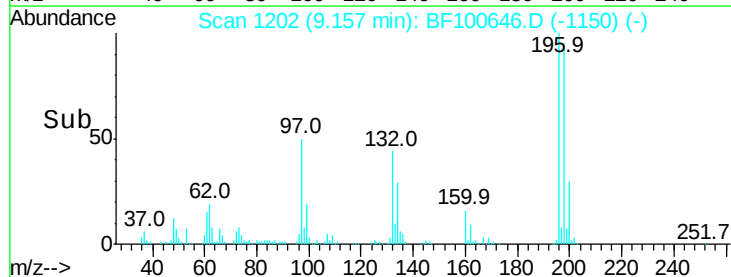
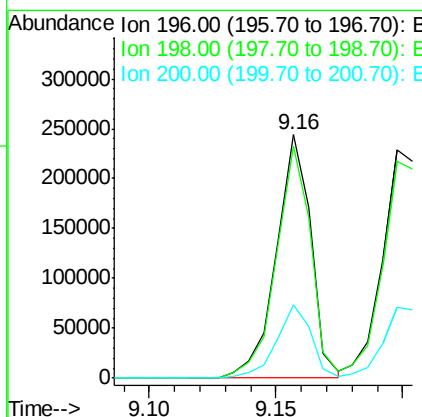
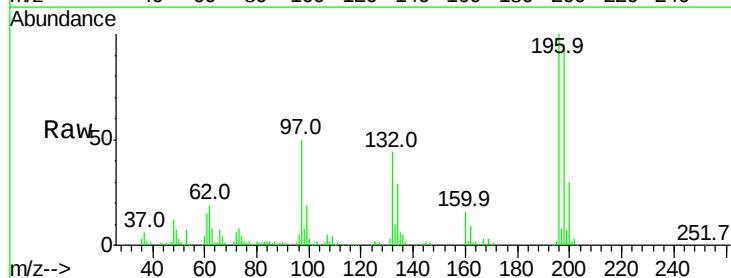
Manual Integrations  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 56.340 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. 0.01 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 95.1  | 75.7 | 113.5 |       |
| 200     | 29.9  | 24.5 | 36.7  |       |





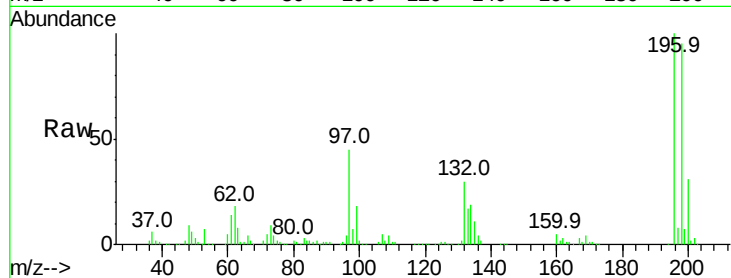
#43  
2,4,5-Trichlorophenol  
Concen: 55.940 ng  
RT: 9.20 min Scan# 1209  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

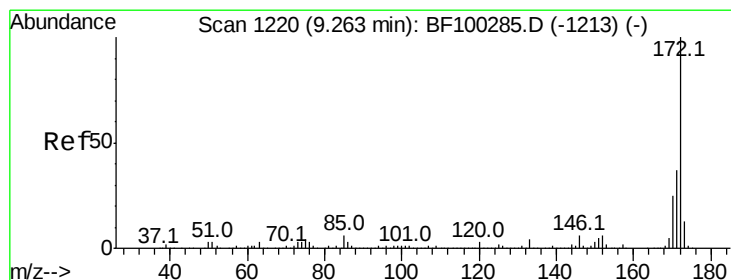
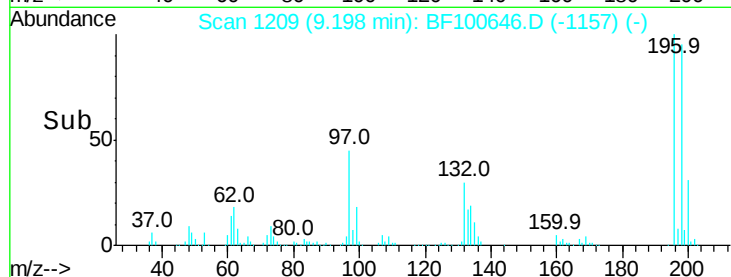
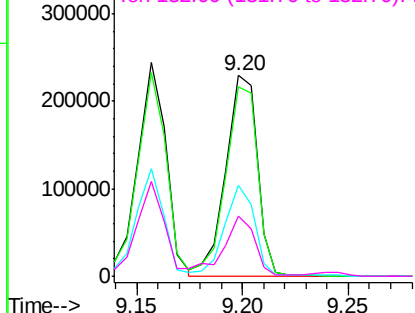
| Tot Ion   | 196   | Resp  | 236977 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 94.7  | 74.6  | 112.0  |
| 97        | 45.3  | 42.9  | 64.3   |
| 132       | 29.8  | 26.3  | 39.5   |

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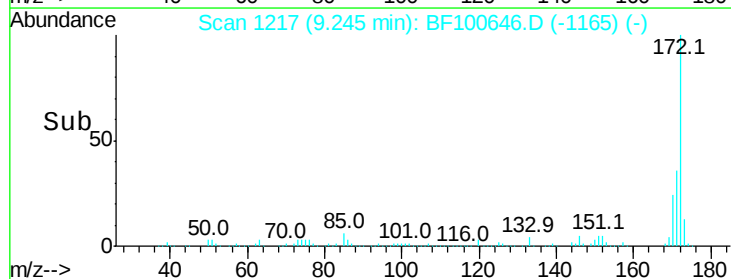
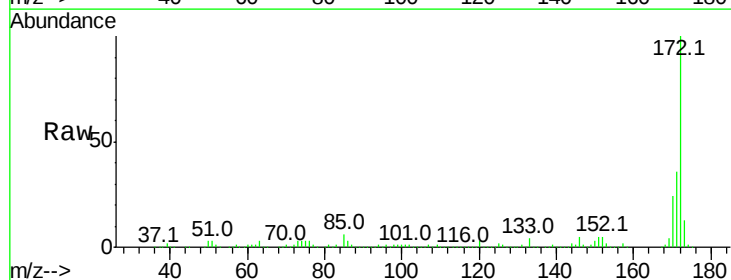
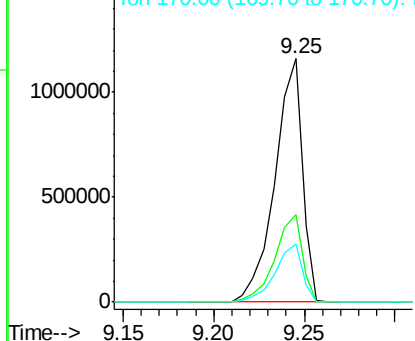
Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 97.00 (96.70 to 97.70): BF1  
Ion 132.00 (131.70 to 132.70): E

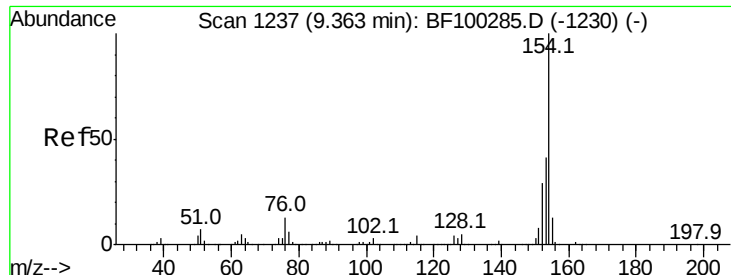


#44  
2-Fluorobiphenyl  
Concen: 95.631 ng  
RT: 9.25 min Scan# 1217  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion   | 172   | Resp  | 1221668 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.1  | 29.7  | 44.5    |
| 170       | 24.0  | 19.6  | 29.4    |

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





#45

1,1'-Biphenyl

Concen: 50.352 ng

RT: 9.35 min Scan# 1234

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

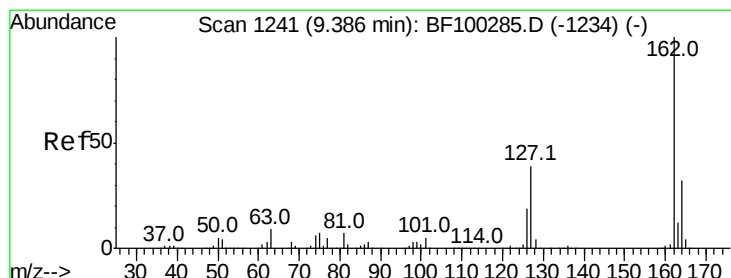
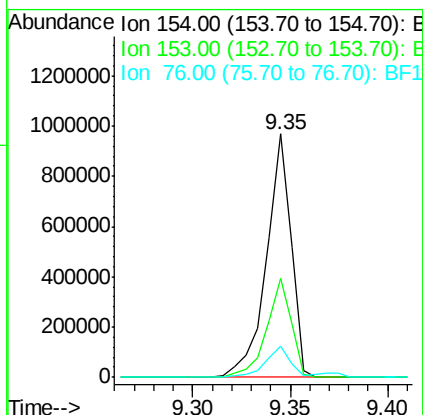
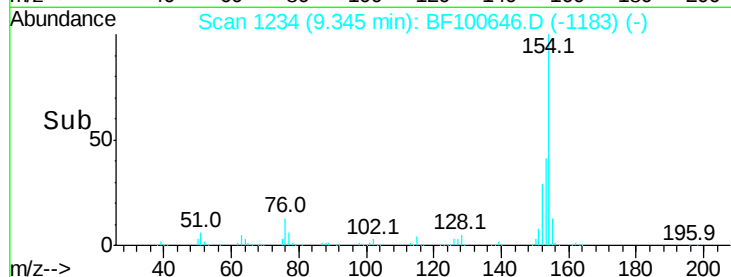
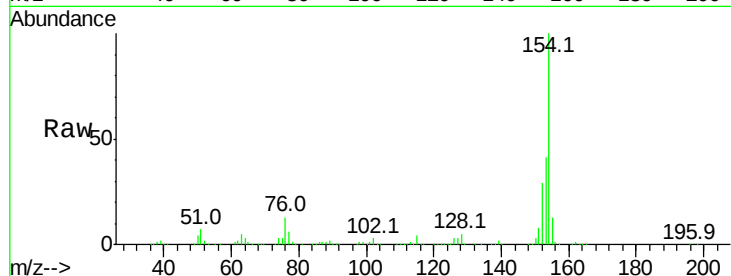
ClientSampleId :

PB104306BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 847137 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.8  | 21.3  | 61.3   |
| 76        | 12.7  | 0.0   | 34.0   |

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#46

2-Chloronaphthalene

Concen: 54.147 ng

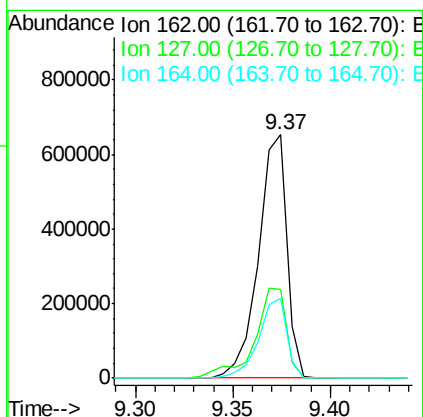
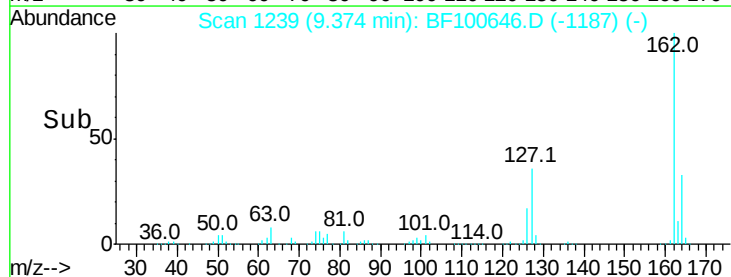
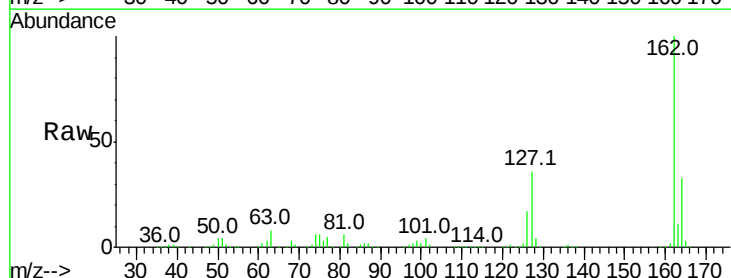
RT: 9.37 min Scan# 1239

Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 660884 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 36.5  | 33.9  | 50.9   |
| 164       | 32.9  | 26.5  | 39.7   |





#47

2-Nitroaniline

Concen: 56.206 ng

RT: 9.47 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

ClientSampleId :

PB104306BSD

Tot Ion: 65 Resp: 204527

Ion Ratio Lower Upper

65 100

92 70.8 55.8 83.6

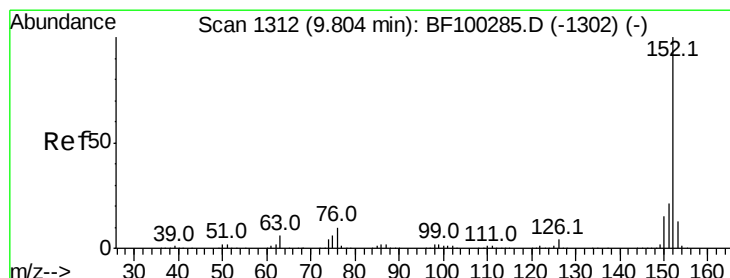
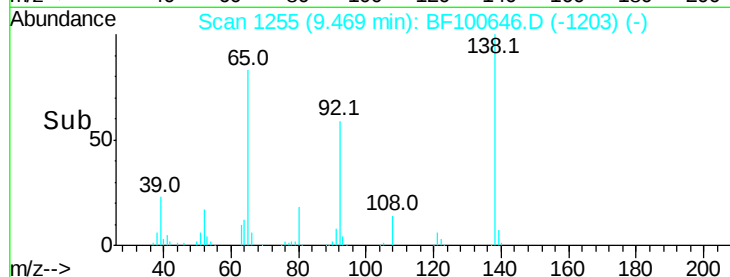
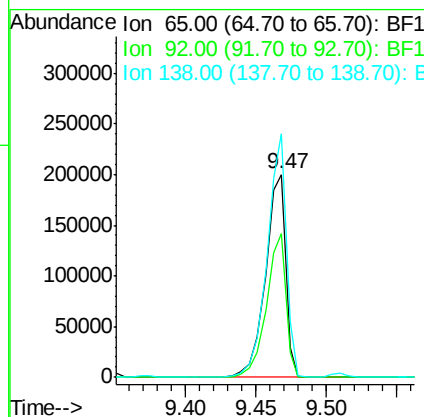
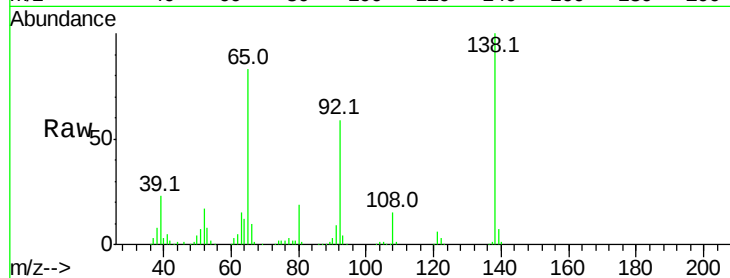
138 119.9 91.2 136.8

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#48

Acenaphthylene

Concen: 48.470 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

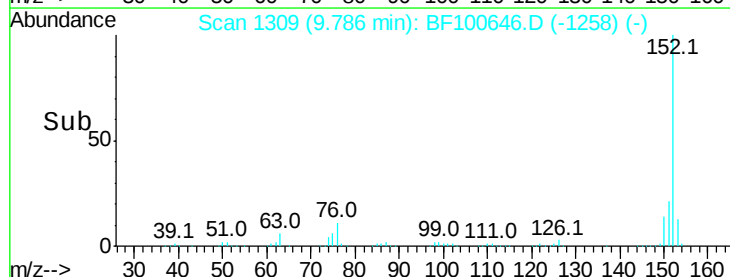
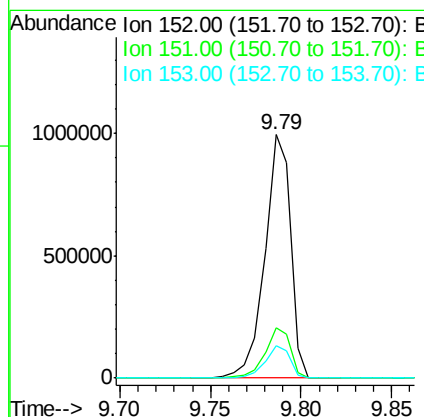
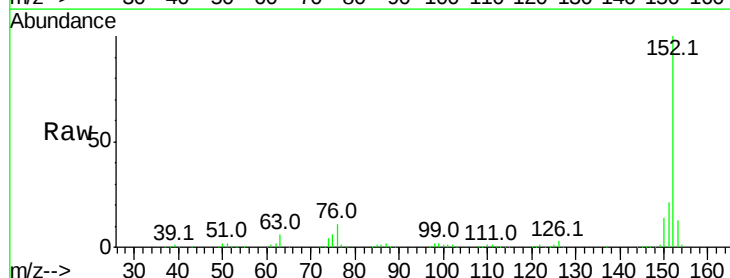
Tgt Ion: 152 Resp: 980403

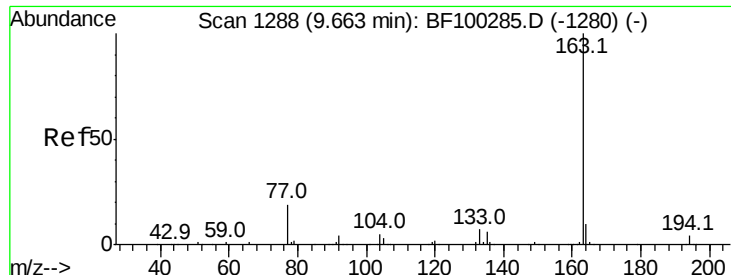
Ion Ratio Lower Upper

152 100

151 20.8 16.3 24.5

153 13.5 10.7 16.1





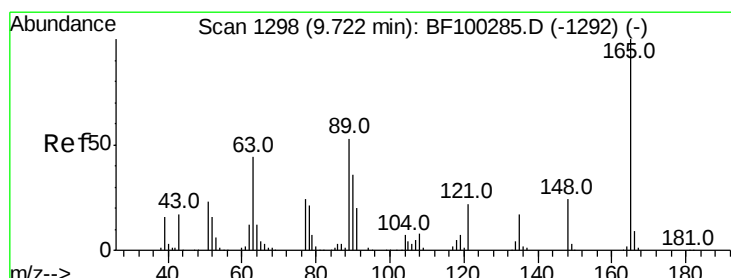
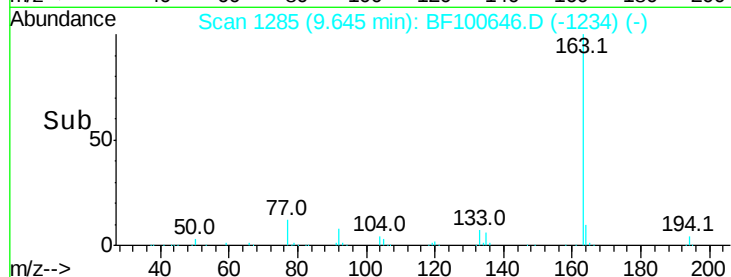
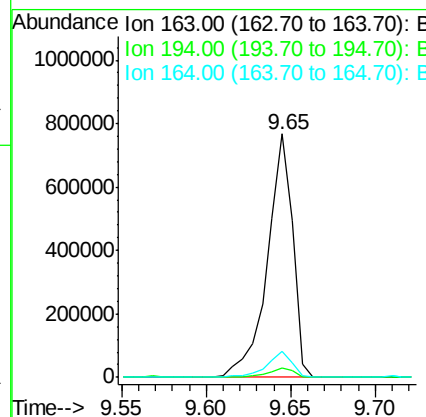
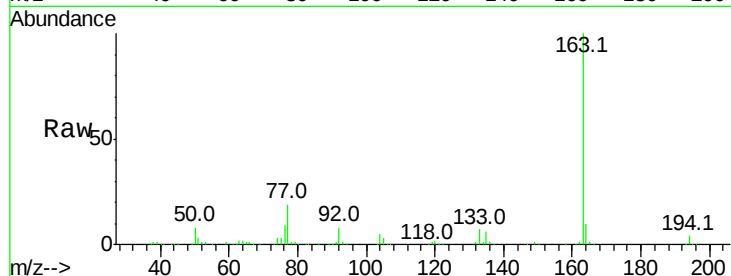
#49  
 Dimethylphthalate  
 Concen: 53.181 ng  
 RT: 9.65 min Scan# 1285  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB104306BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 789843 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.7   | 2.7   | 4.1    |
| 164       | 10.5  | 8.2   | 12.2   |

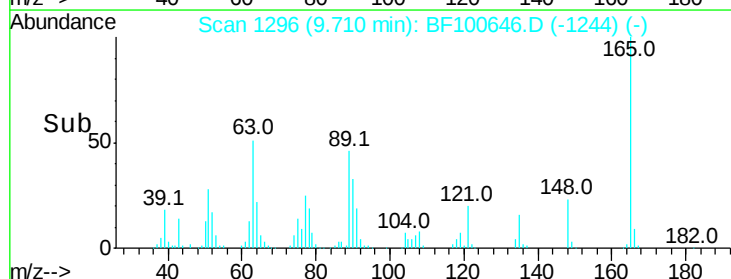
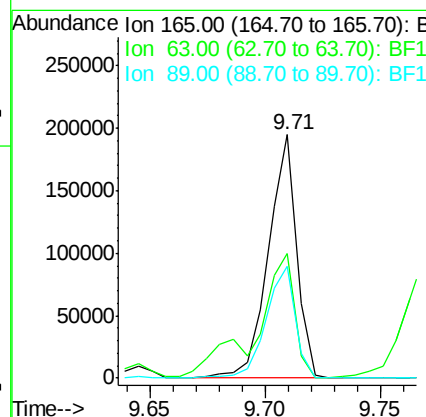
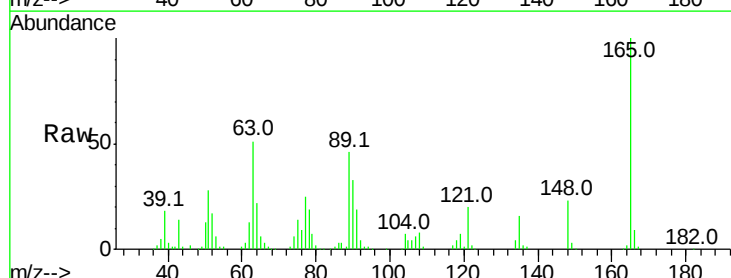
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#50  
 2,6-Dinitrotoluene  
 Concen: 56.431 ng  
 RT: 9.71 min Scan# 1296  
 Delta R.T. 0.01 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 165902 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 51.1  | 44.7  | 67.1   |
| 89        | 46.2  | 44.0  | 66.0   |





#51

Acenaphthene

Concen: 47.323 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

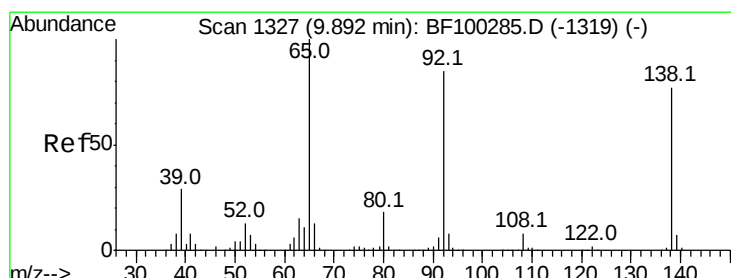
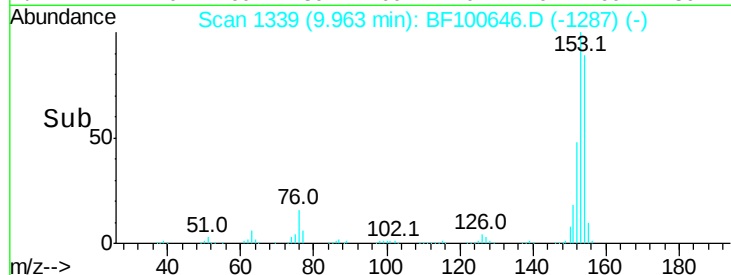
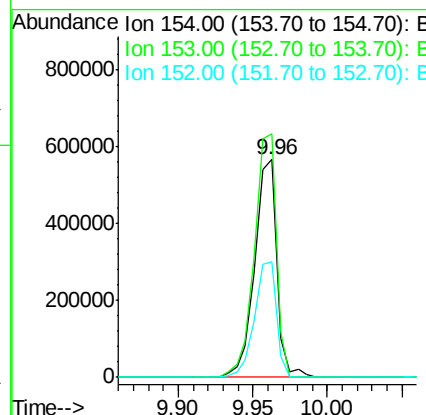
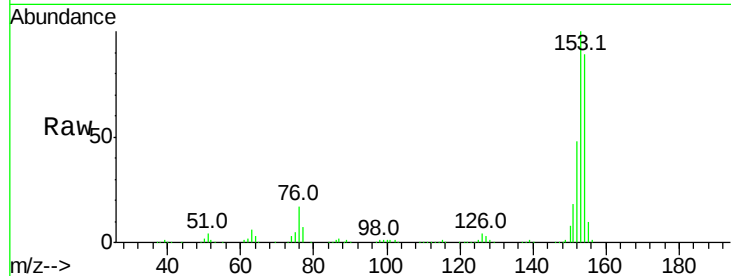
ClientSampleId :

PB104306BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 582154 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.8 | 91.2  | 136.8  |
| 152       | 53.2  | 43.8  | 65.8   |

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#52

3-Nitroaniline

Concen: 30.746 ng

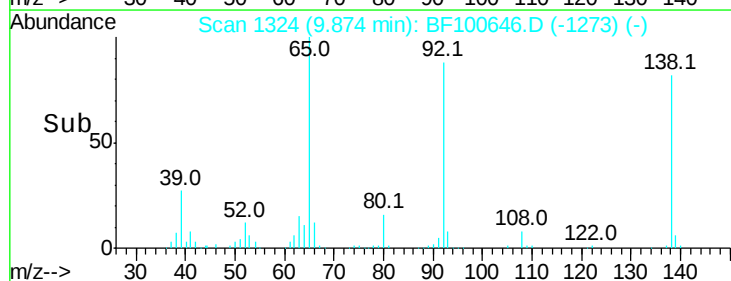
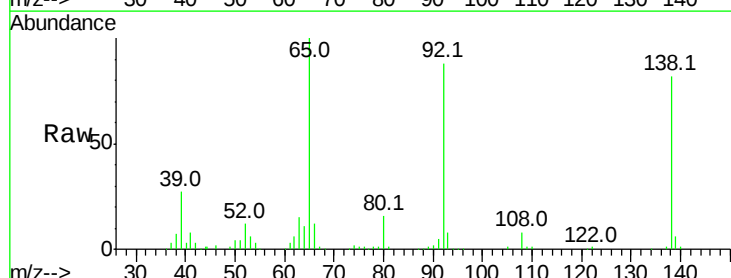
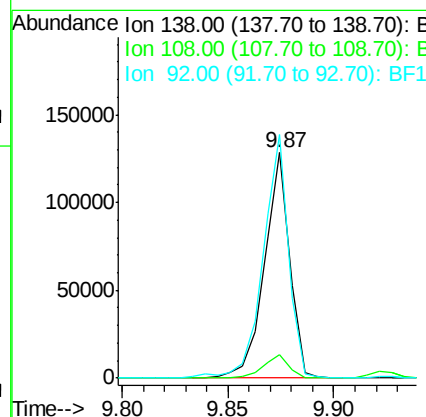
RT: 9.87 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 106735 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 10.2  | 9.4   | 14.0   |
| 92        | 108.1 | 89.4  | 134.2  |





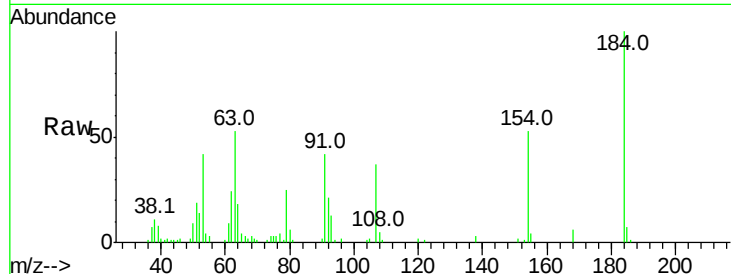
#53  
2,4-Dinitrophenol  
Concen: 36.632 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

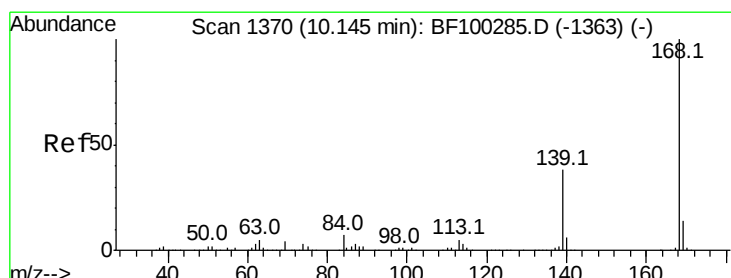
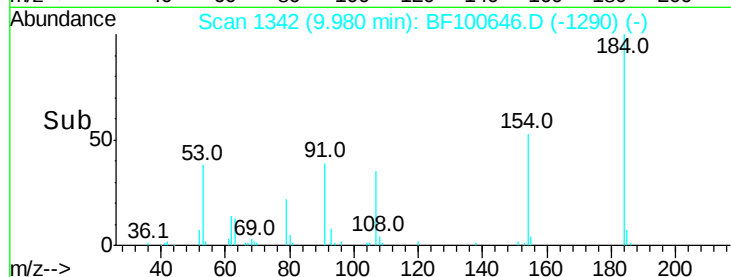
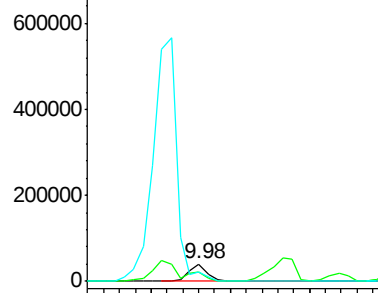
Tot Ion:184 Resp: 32388  
Ion Ratio Lower Upper  
184 100  
63 53.4 54.2 81.2#  
154 52.8 184.0 276.0#

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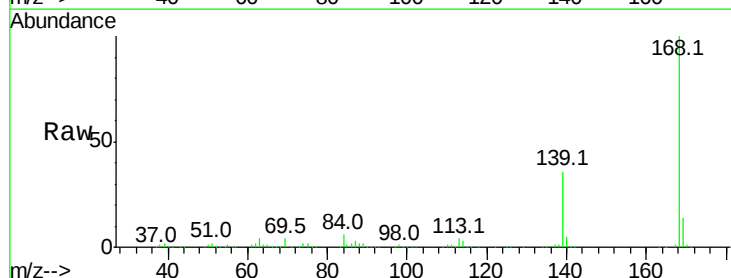


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

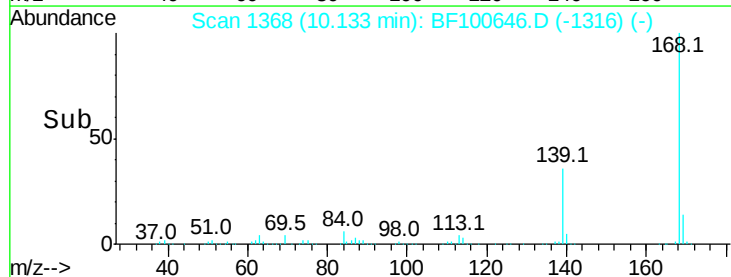
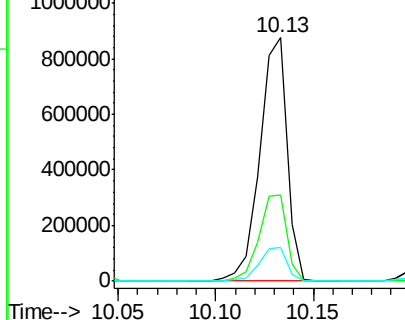


#54  
Dibenzofuran  
Concen: 49.177 ng  
RT: 10.13 min Scan# 1368  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Tgt Ion:168 Resp: 847887  
Ion Ratio Lower Upper  
168 100  
139 35.6 30.1 45.1  
169 13.7 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E





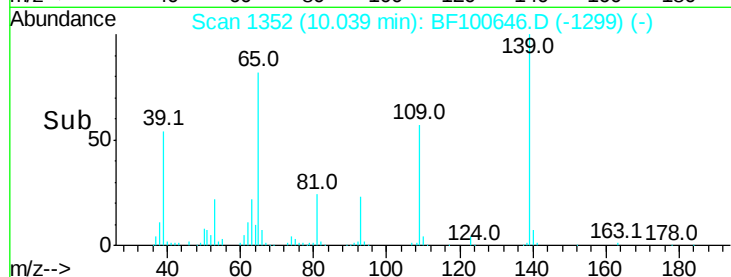
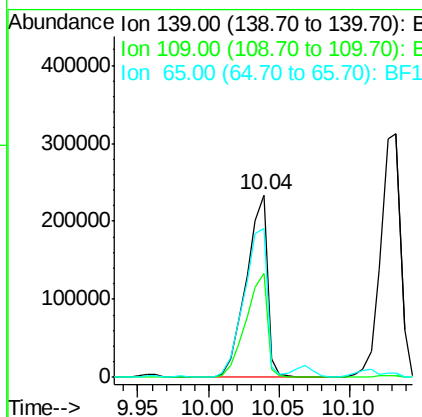
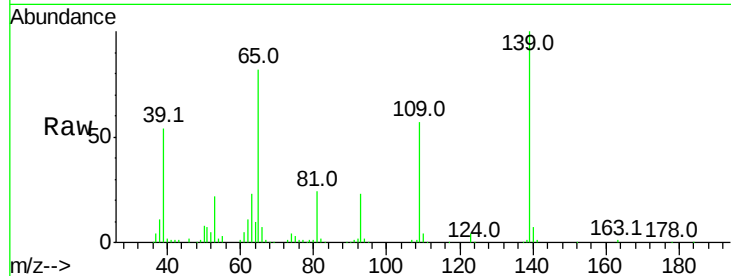
#55  
4-Nitrophenol  
Concen: 87.445 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 246496 |       |       |
| 109     | 56.9  | 48.4   | 88.4  |       |
| 65      | 81.5  | 72.6   | 112.6 |       |

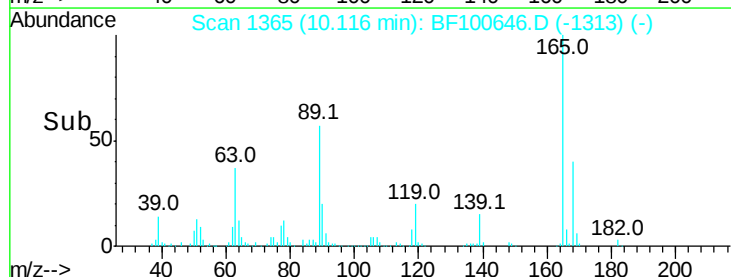
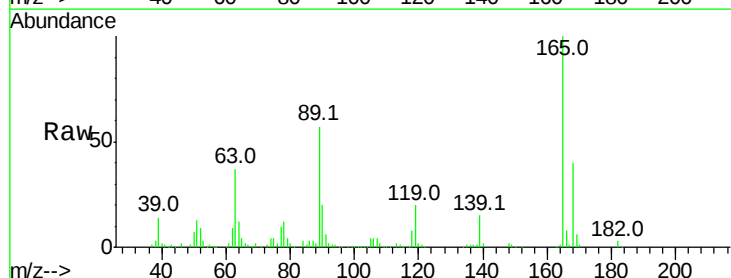
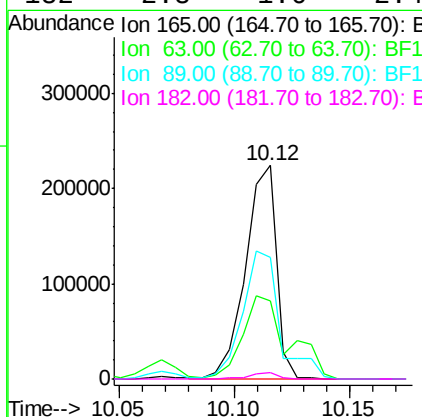
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#56  
2,4-Dinitrotoluene  
Concen: 56.837 ng  
RT: 10.12 min Scan# 1365  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 210794 |       |       |
| 63      | 36.8  | 36.4   | 54.6  |       |
| 89      | 57.2  | 57.8   | 86.6# |       |
| 182     | 2.8   | 1.6    | 2.4#  |       |





#57

Fluorene

Concen: 49.183 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

ClientSampleId :

PB104306BSD

Tot Ion:166 Resp: 621220

Ion Ratio Lower Upper

166 100

165 98.5 79.8 119.8

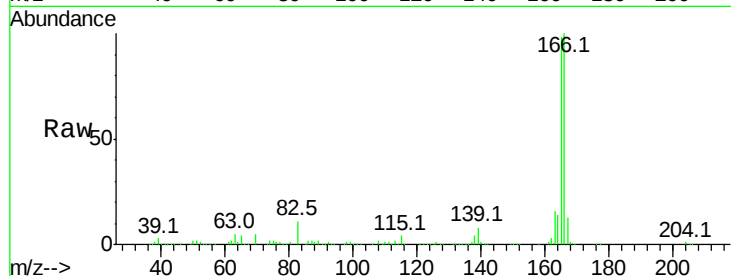
167 13.0 10.6 16.0

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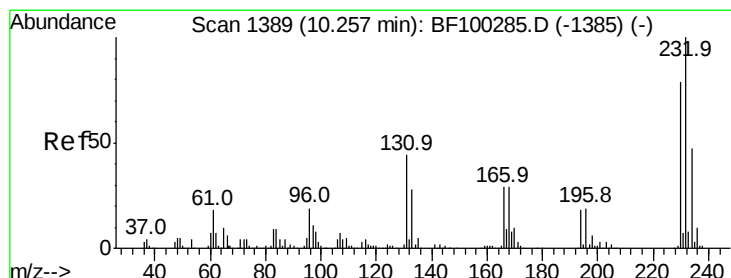
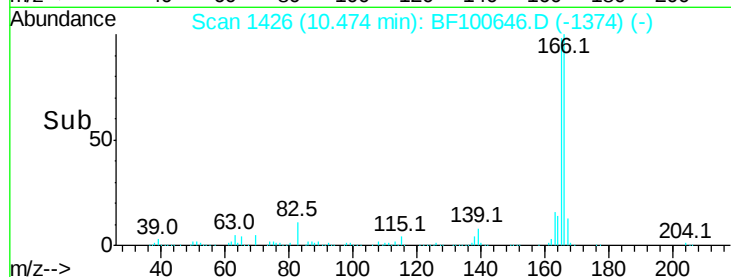
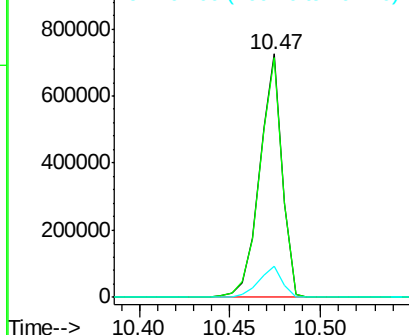
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Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.760 ng

RT: 10.24 min Scan# 1387

Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Tgt Ion:232 Resp: 172762

Ion Ratio Lower Upper

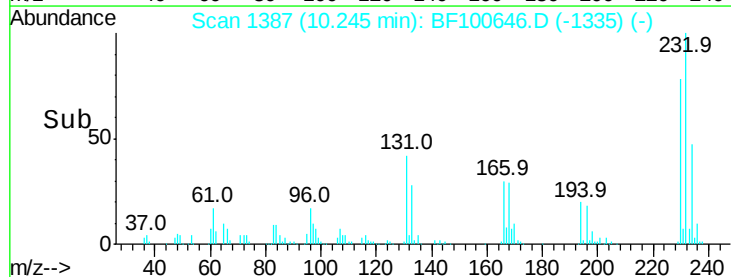
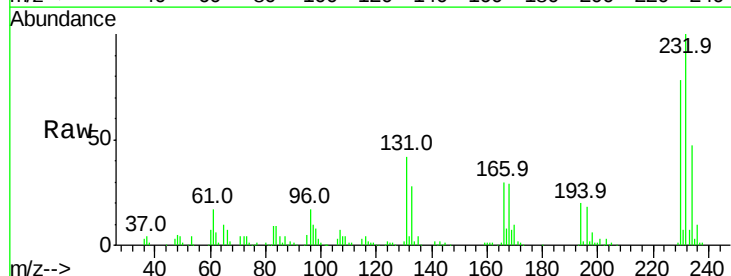
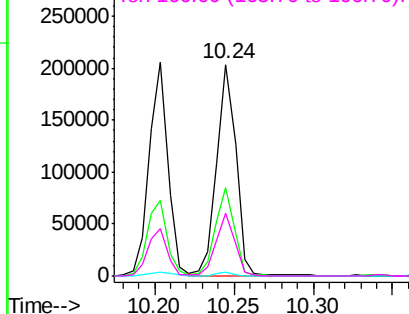
232 100

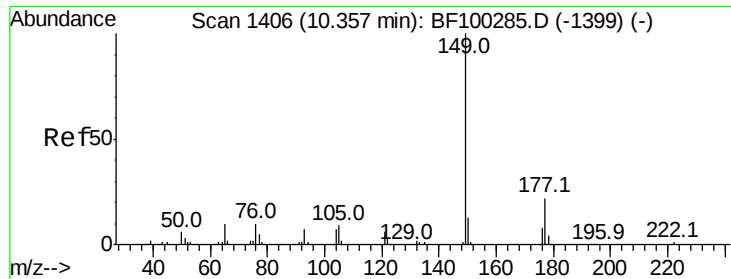
131 41.1 43.8 65.8#

130 1.8 2.1 3.1#

166 28.9 27.8 41.6

Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E





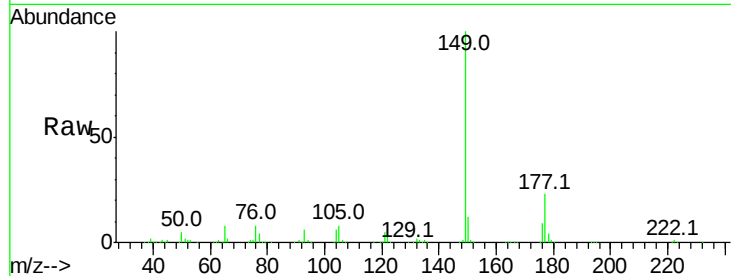
#59  
Diethylphthalate  
Concen: 49.380 ng  
RT: 10.34 min Scan# 1404  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

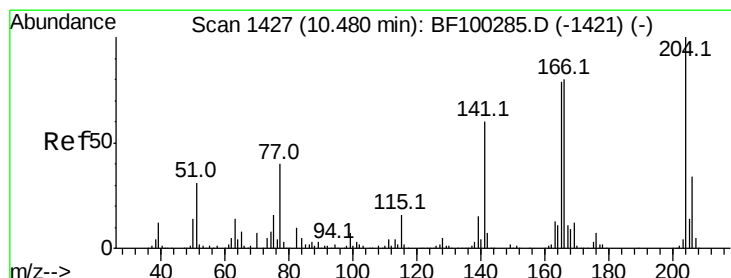
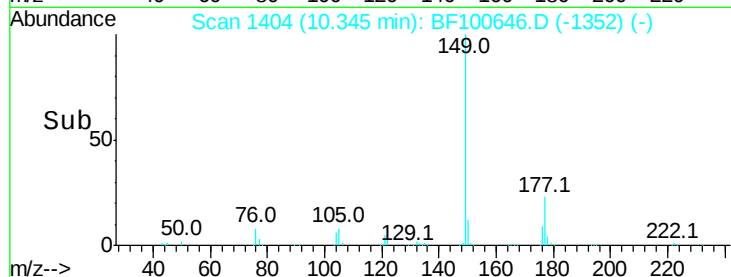
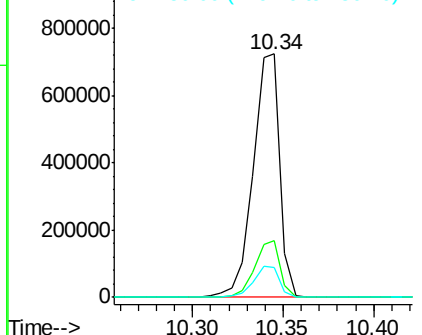
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 177     | 23.2  | 16.1 | 24.1  |       |
| 150     | 12.0  | 10.1 | 15.1  |       |

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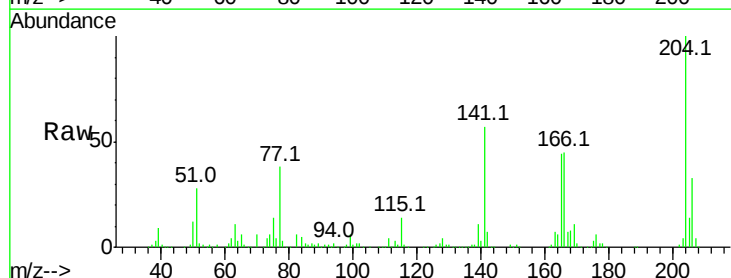


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

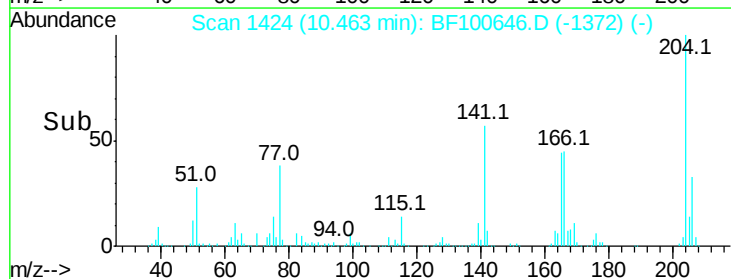
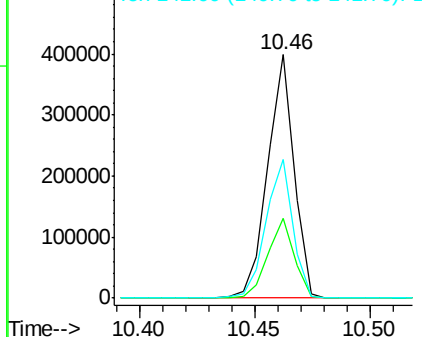


#60  
4-Chlorophenyl-phenylether  
Concen: 51.131 ng  
RT: 10.46 min Scan# 1424  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 204     | 100   |      |       |       |
| 206     | 32.9  | 26.5 | 39.7  |       |
| 141     | 57.2  | 54.6 | 81.8  |       |



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





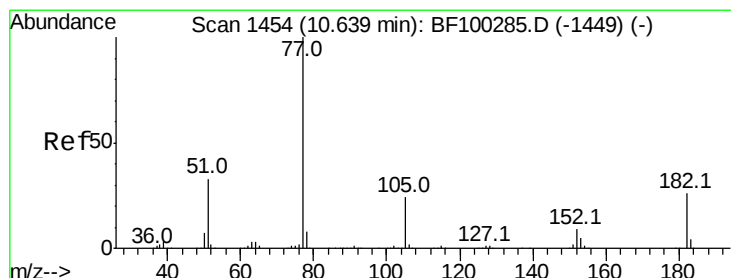
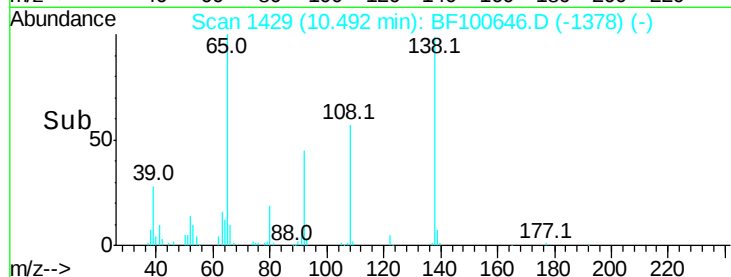
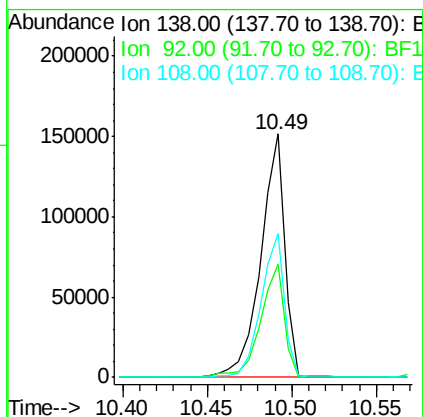
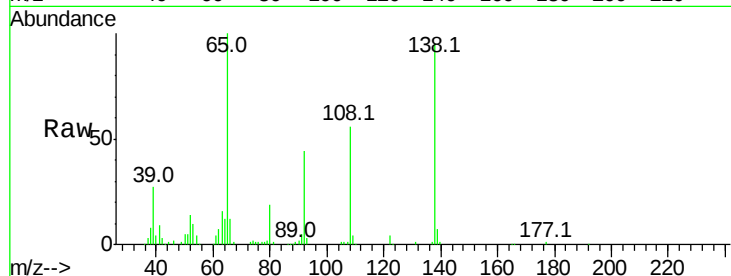
#61  
4-Nitroaniline  
Concen: 45.269 ng  
RT: 10.49 min Scan# 1429  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 46.2  | 30.2  | 70.2  |
| 108     | 58.9  | 52.5  | 92.5  |

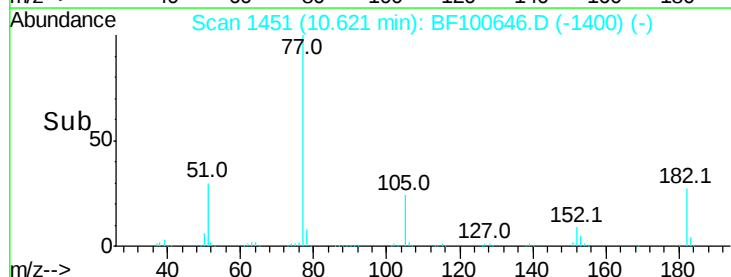
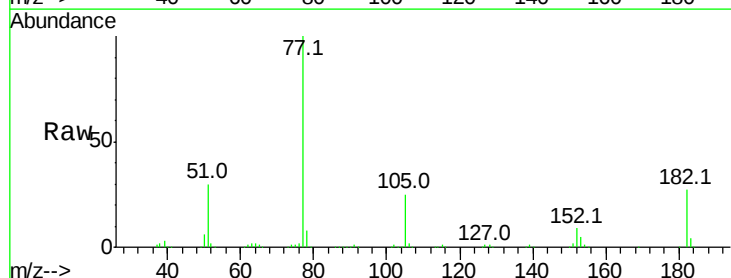
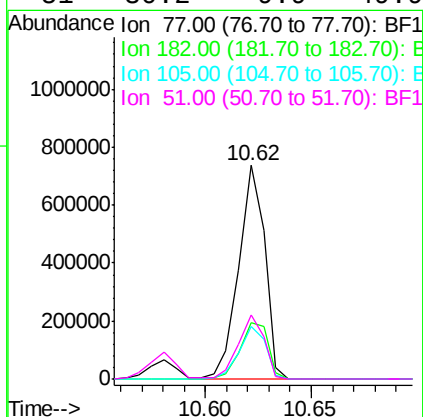
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#62  
Azobenzene  
Concen: 45.225 ng  
RT: 10.62 min Scan# 1451  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 26.6  | 1.7   | 41.7  |
| 105     | 24.6  | 3.0   | 43.0  |
| 51      | 30.2  | 9.9   | 49.9  |





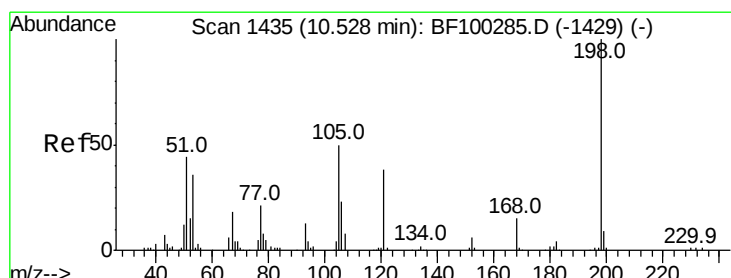
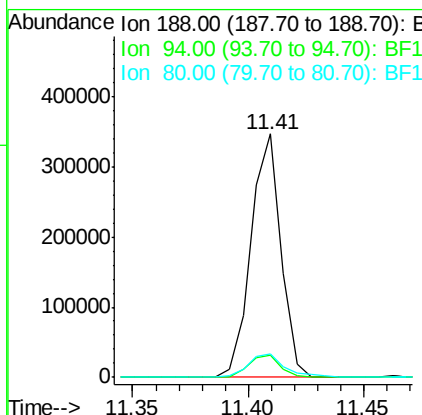
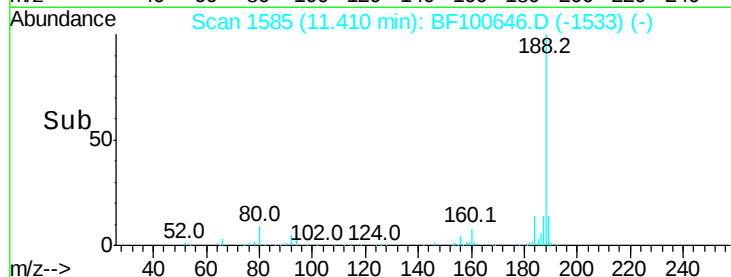
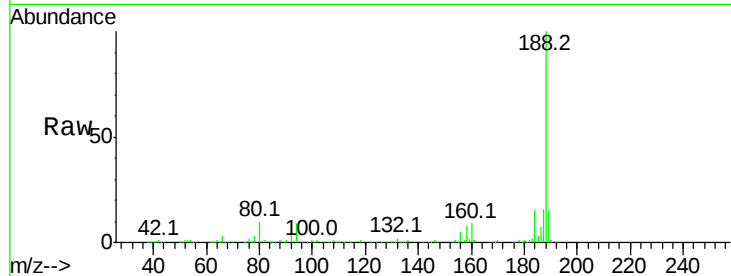
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 8.9   | 8.5        | 12.7       |
| 80      | 9.8   | 9.2        | 13.8       |

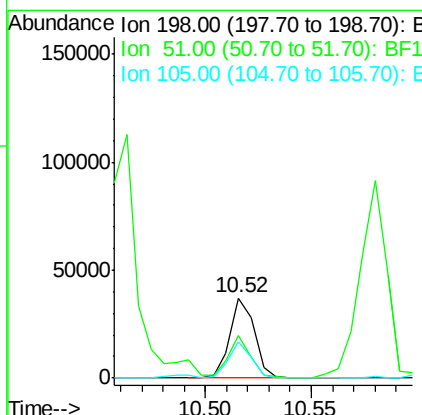
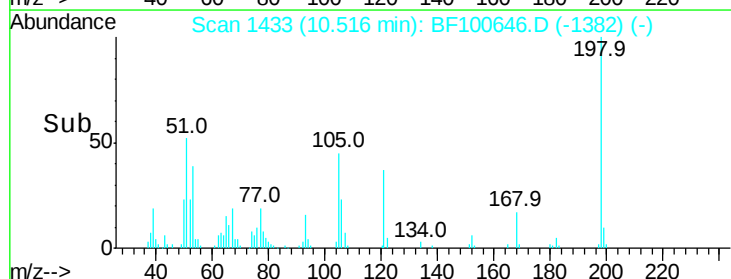
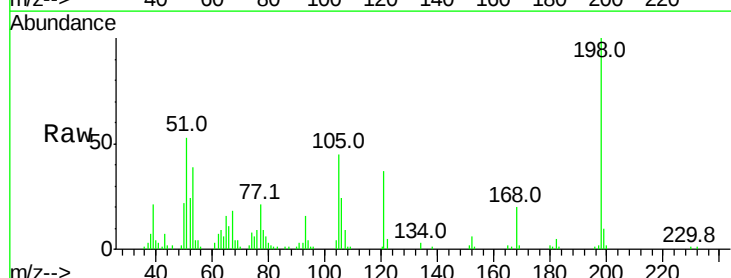
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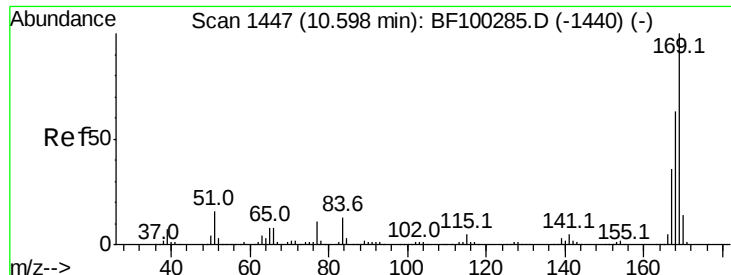
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 24.082 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 198     | 100   |            |            |
| 51      | 52.7  | 37.7       | 77.7       |
| 105     | 44.8  | 36.3       | 76.3       |





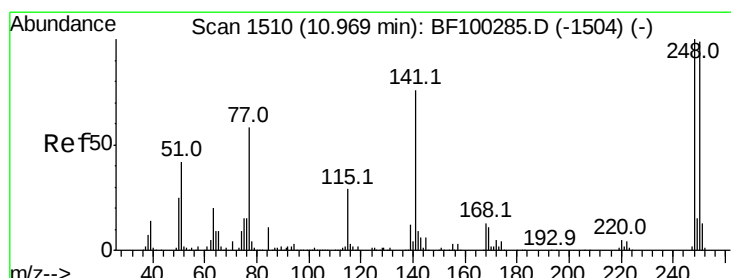
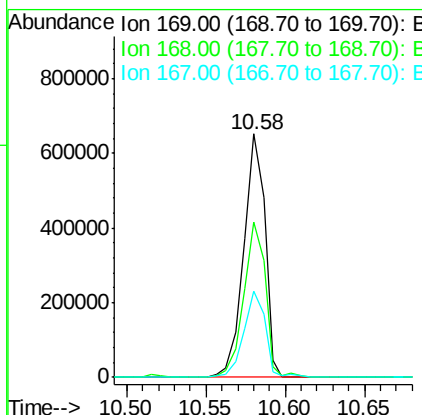
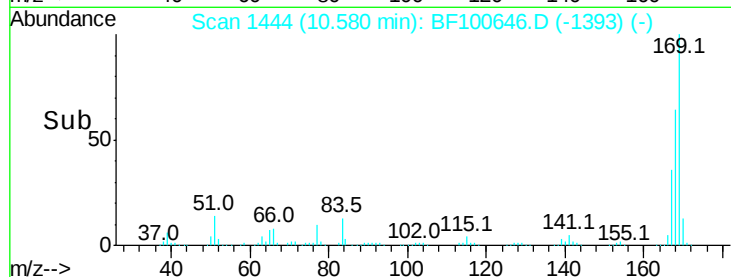
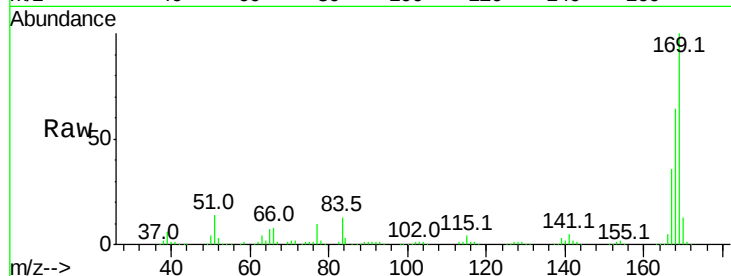
#65  
n-Nitrosodiphenylamine  
Concen: 55.149 ng  
RT: 10.58 min Scan# 1444  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 169     | 100   |      |       |       |
| 168     | 63.6  | 54.4 | 81.6  |       |
| 167     | 35.5  | 29.8 | 44.6  |       |

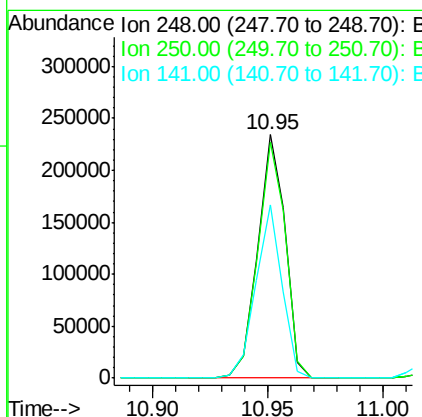
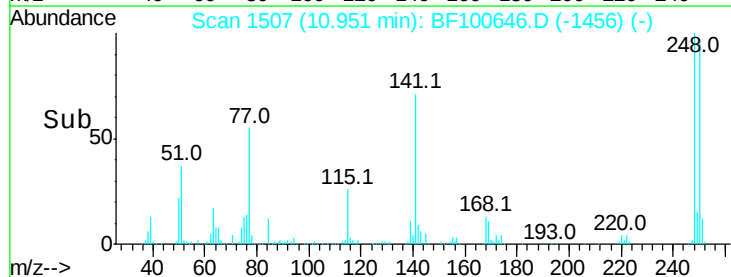
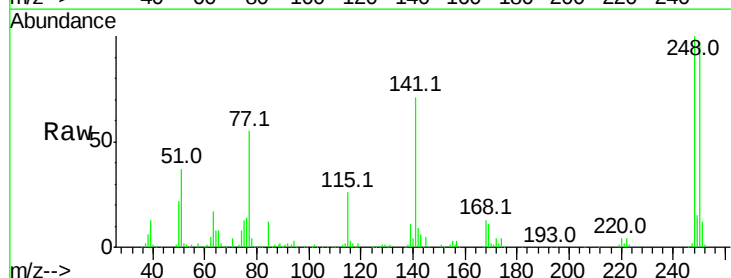
Manual Integrations  
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#66  
4-Bromophenyl-phenylether  
Concen: 57.923 ng  
RT: 10.95 min Scan# 1507  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 248     | 100   |      |       |       |
| 250     | 96.9  | 76.9 | 115.3 |       |
| 141     | 71.3  | 74.4 | 111.6 |       |





#67

Hexachlorobenzene

Concen: 54.154 ng

RT: 11.02 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

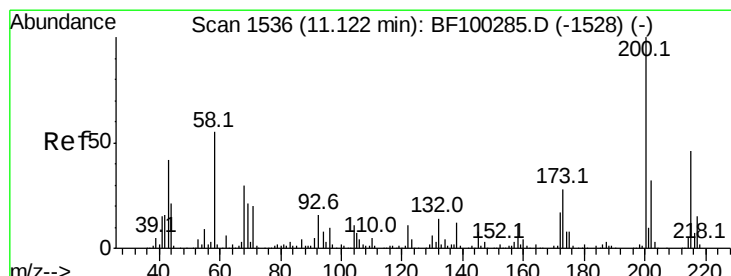
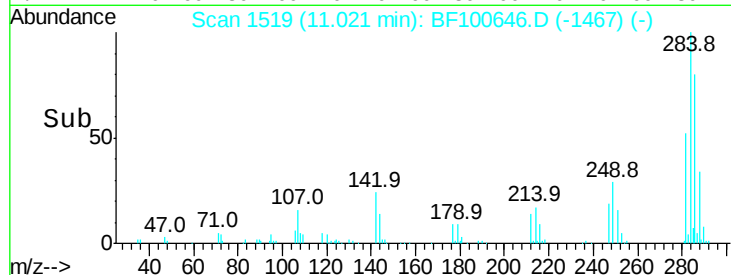
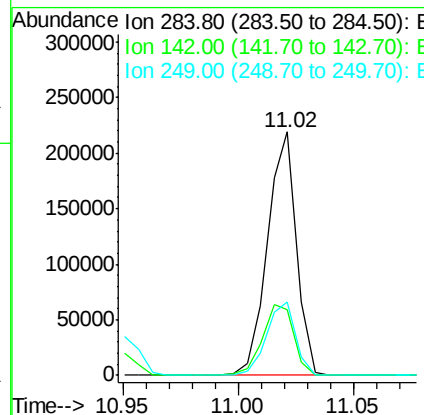
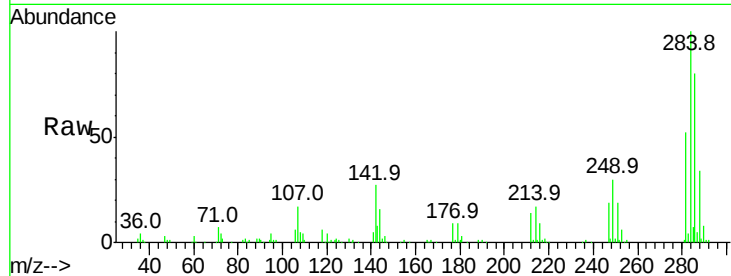
ClientSampleId :

PB104306BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 191293 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 27.1  | 34.6  | 52.0#  |
| 249       | 30.1  | 24.8  | 37.2   |

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#68

Atrazine

Concen: 57.422 ng

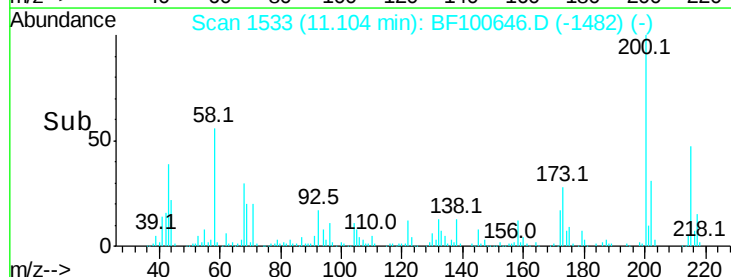
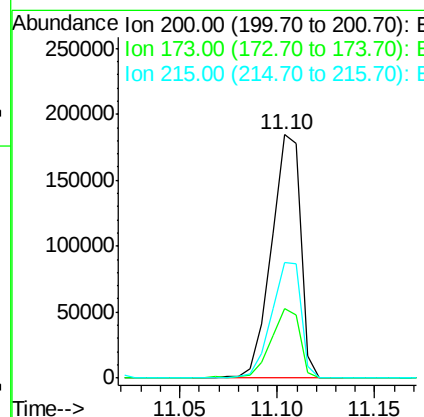
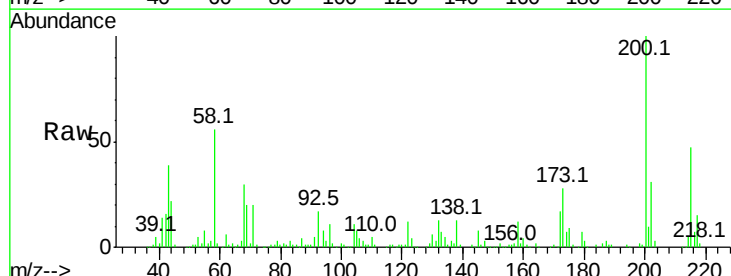
RT: 11.10 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 190417 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 28.3  | 8.6   | 48.6   |
| 215       | 47.4  | 25.1  | 65.1   |





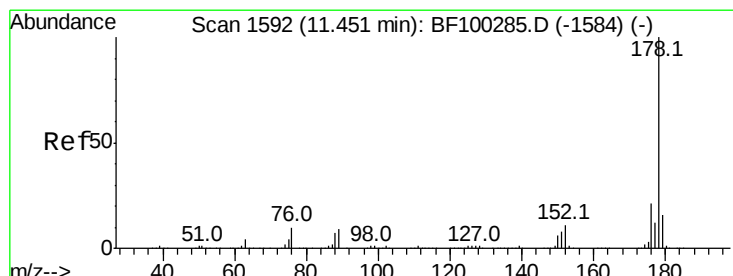
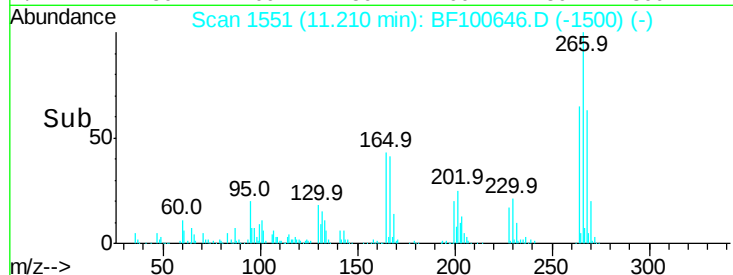
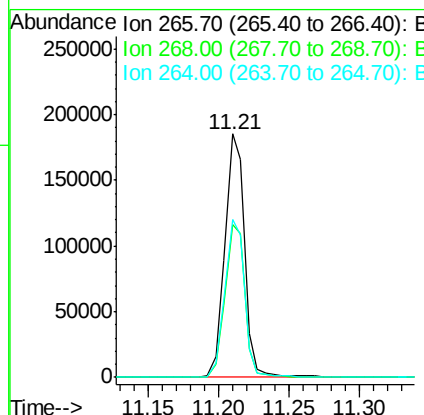
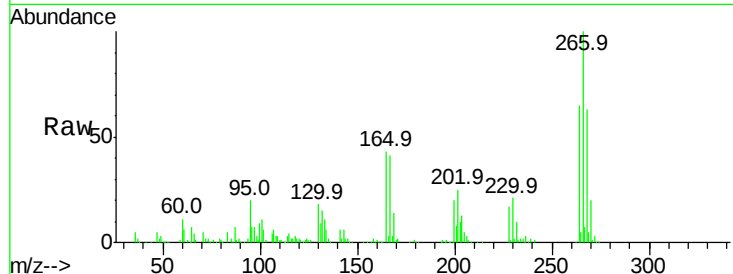
#69  
 Pentachlorophenol  
 Concen: 71.176 ng  
 RT: 11.21 min Scan# 1551  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104306BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 180281 |       |       |
| 268     | 62.6  | 51.1   | 76.7  |       |
| 264     | 64.9  | 49.5   | 74.3  |       |

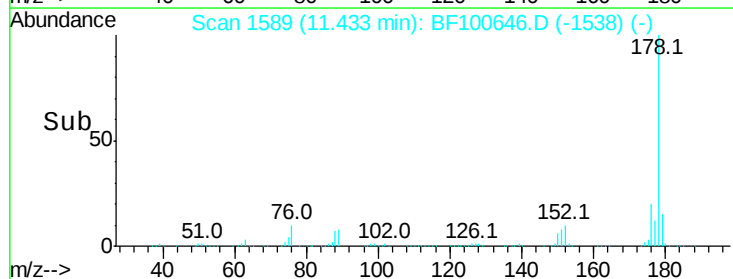
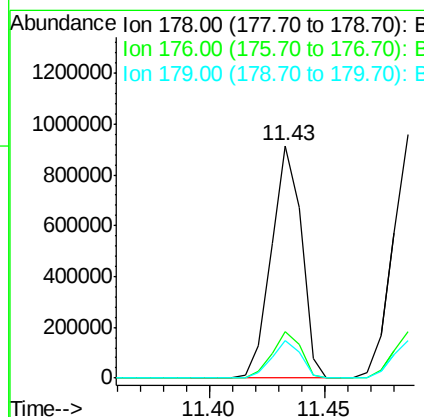
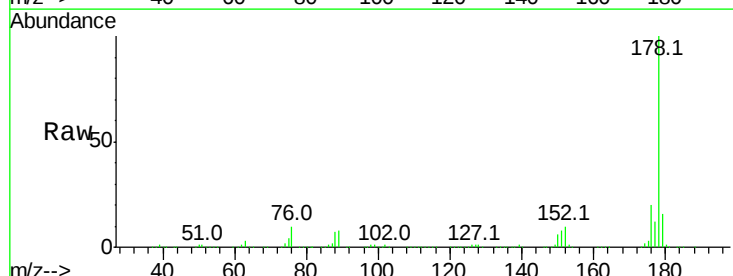
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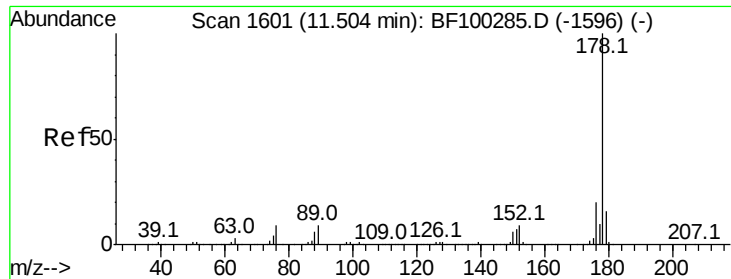
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#70  
 Phenanthrene  
 Concen: 49.878 ng  
 RT: 11.43 min Scan# 1589  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 827392 |       |       |
| 176     | 19.9  | 15.8   | 23.8  |       |
| 179     | 16.3  | 13.0   | 19.6  |       |





#71

Anthracene

Concen: 50.174 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

ClientSampleId :

PB104306BSD

Tot Ion:178 Resp: 844425

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

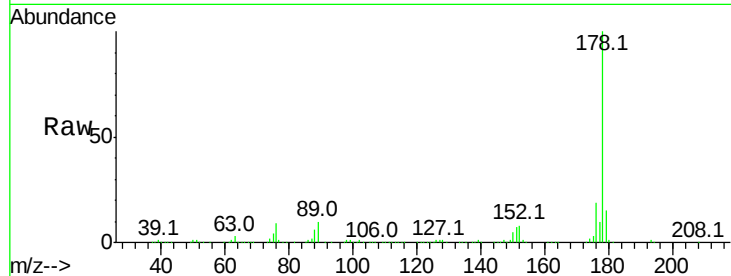
179 15.3 12.6 19.0

Manual Integrations

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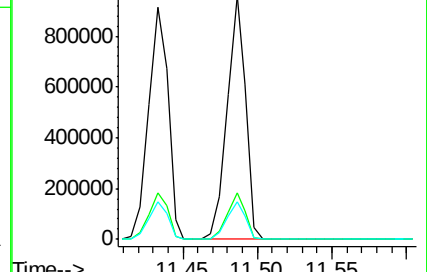
11/17/2017 1:25:52 PM



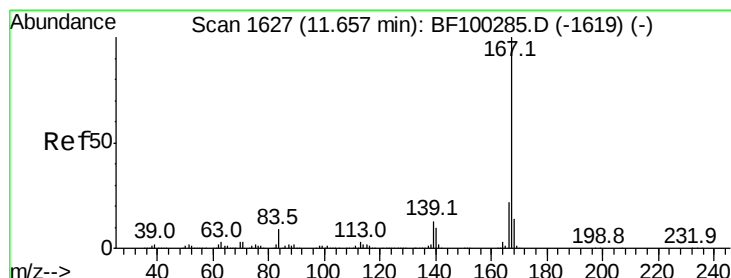
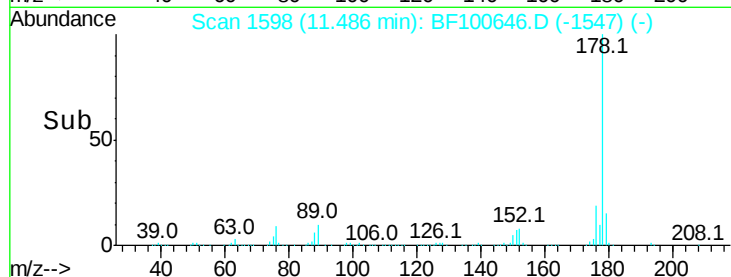
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Carbazole

Concen: 47.209 ng

RT: 11.64 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

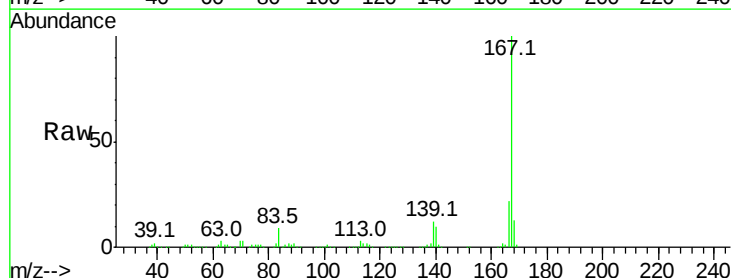
Tgt Ion:167 Resp: 733105

Ion Ratio Lower Upper

167 100

166 22.2 17.6 26.4

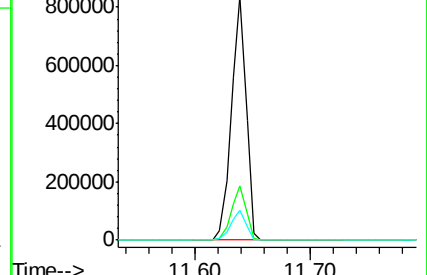
139 12.5 10.9 16.3



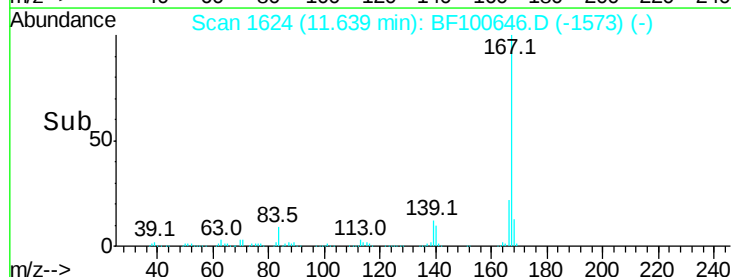
Abundance Ion 167.00 (166.70 to 167.70): E

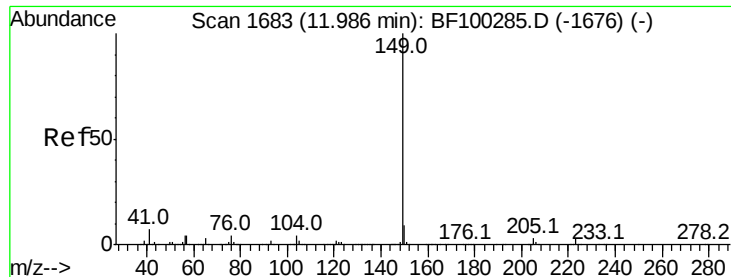
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->





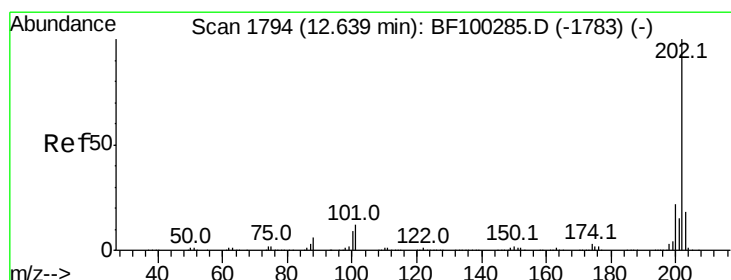
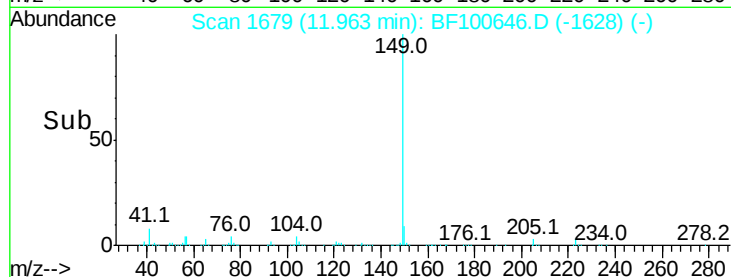
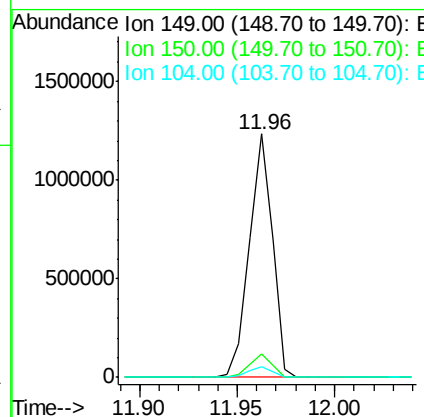
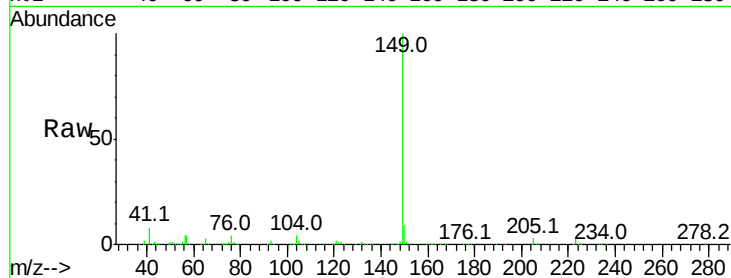
#73  
Di-n-butylphthalate  
Concen: 55.795 ng  
RT: 11.96 min Scan# 1679  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.4   | 7.8   | 11.6  |
| 104     | 4.3   | 3.8   | 5.8   |

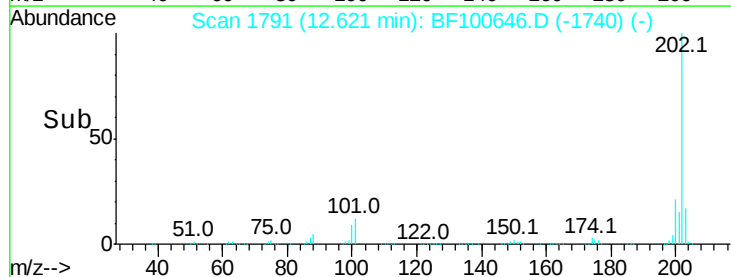
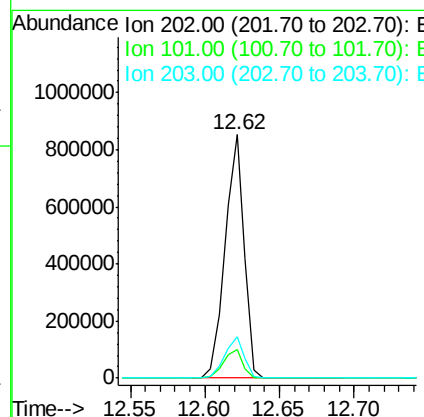
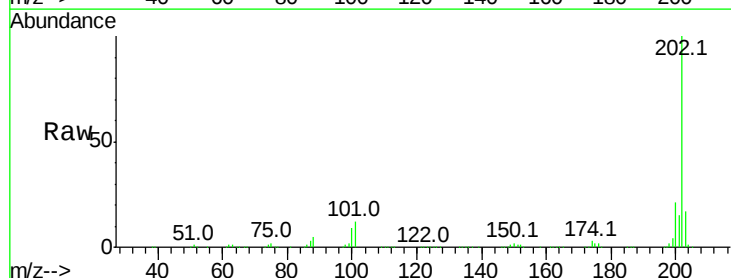
Manual Integrations  
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SOHIL  
11/17/2017 1:25:52 PM



#74  
Fluoranthene  
Concen: 43.646 ng  
RT: 12.62 min Scan# 1791  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.6  | 0.0   | 34.1  |
| 203     | 17.2  | 0.0   | 38.1  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

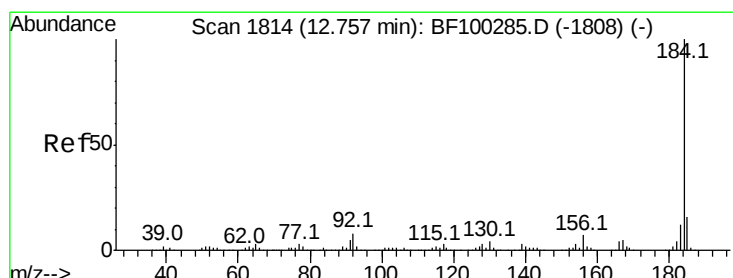
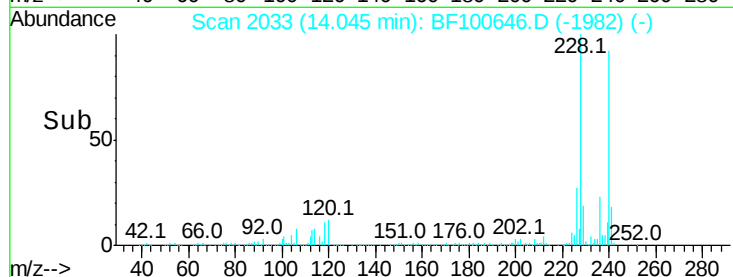
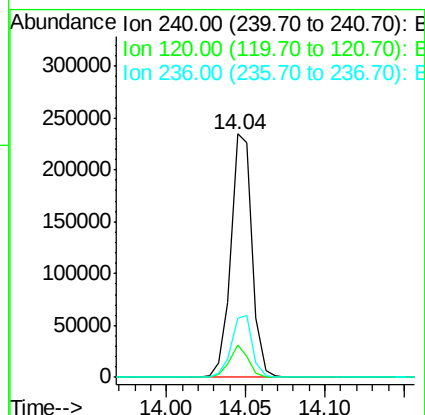
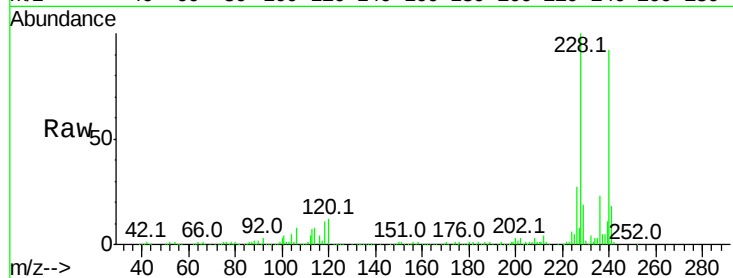
ClientSampleId :

PB104306BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 217278 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 13.3  | 9.5   | 14.3   |
| 236       | 24.6  | 20.7  | 31.1   |

Manual Integrations  
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#76

Benzidine

Concen: 42.754 ng

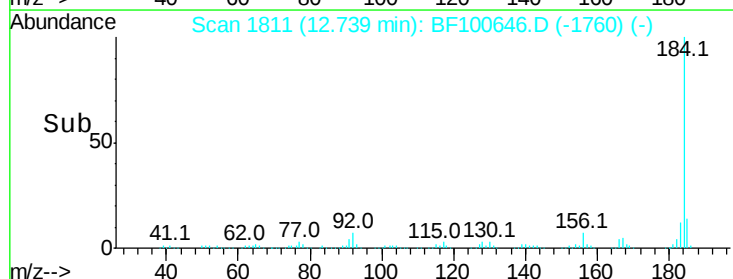
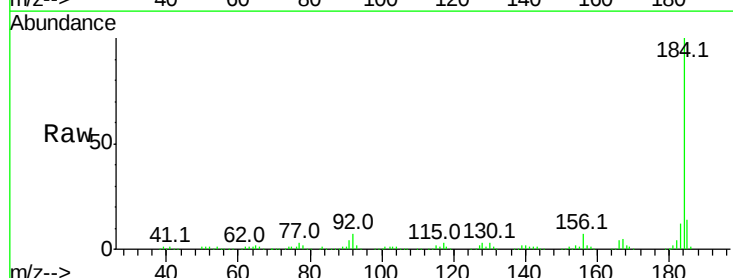
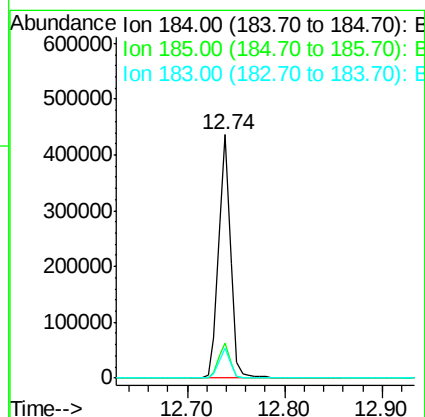
RT: 12.74 min Scan# 1811

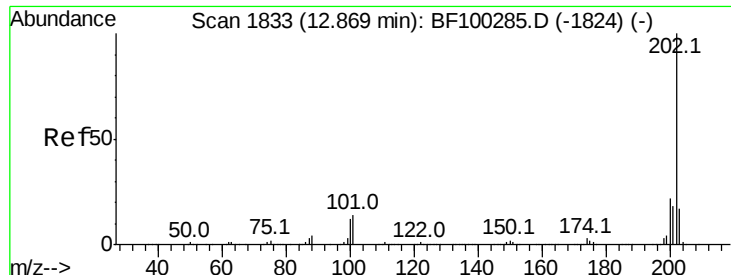
Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 372023 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.3  | 12.6  | 18.8   |
| 183       | 12.1  | 9.3   | 13.9   |





#77

Pvrene

Concen: 49.088 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

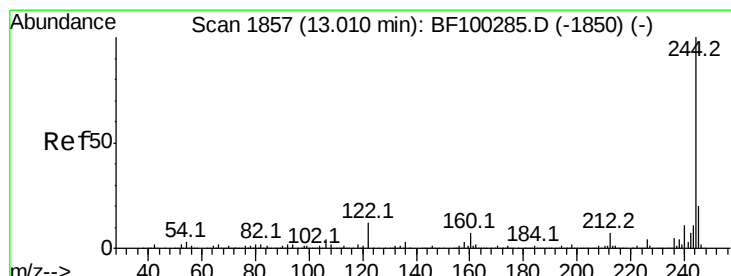
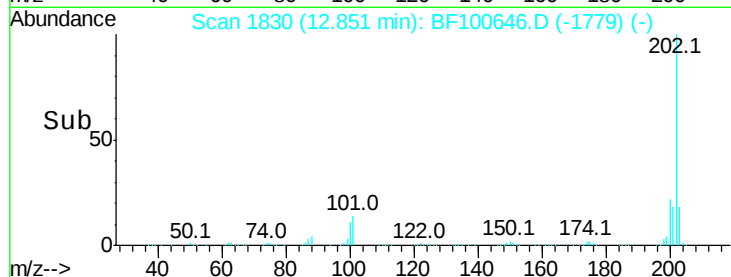
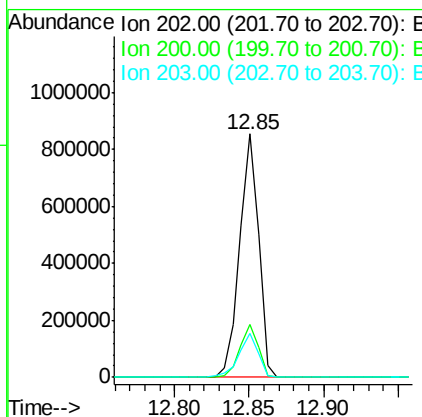
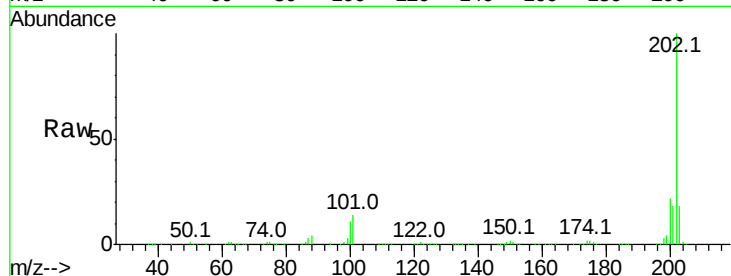
ClientSampleId :

PB104306BSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 202  | Resp: | 760294 |
| Ion Ratio |      | Lower | Upper  |
| 202       | 100  |       |        |
| 200       | 21.6 | 17.4  | 26.2   |
| 203       | 18.0 | 14.3  | 21.5   |

Manual Integrations  
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#78

Terphenyl-d14

Concen: 81.415 ng

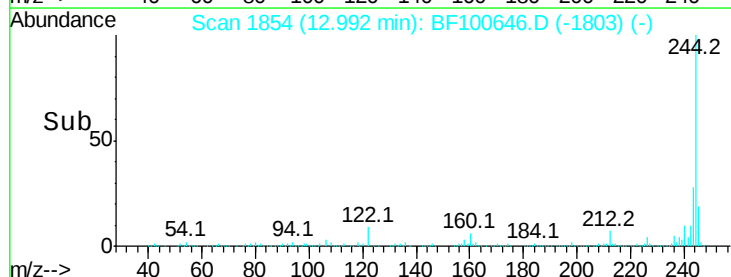
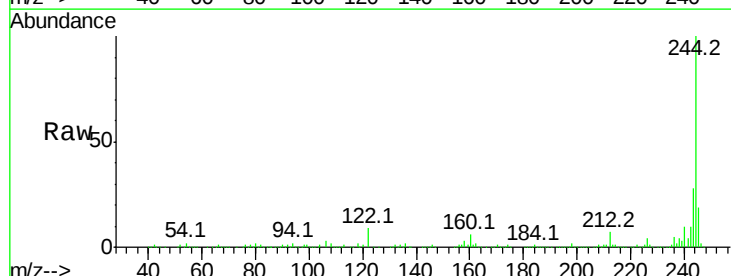
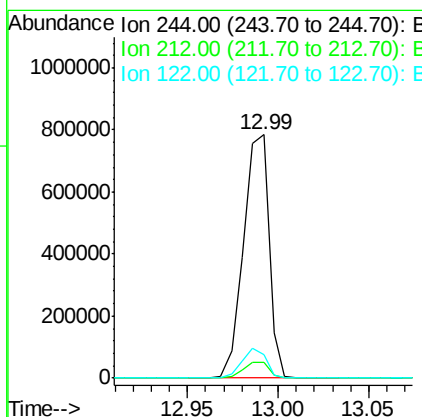
RT: 12.99 min Scan# 1854

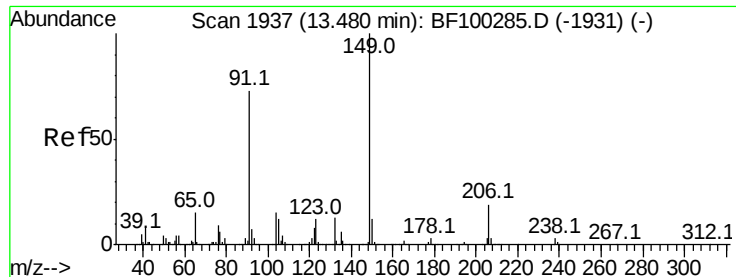
Delta R.T. -0.00 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

|           |     |       |        |
|-----------|-----|-------|--------|
| Tgt Ion:  | 244 | Resp: | 769887 |
| Ion Ratio |     | Lower | Upper  |
| 244       | 100 |       |        |
| 212       | 6.5 | 5.4   | 8.0    |
| 122       | 9.4 | 11.0  | 16.4#  |





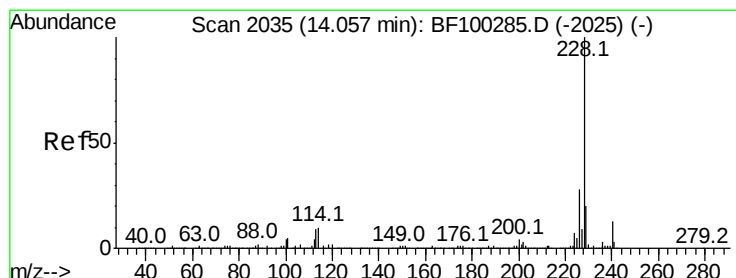
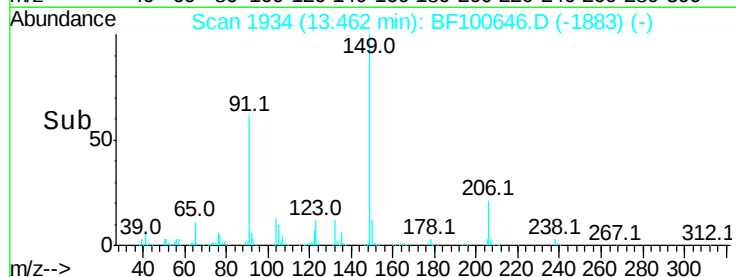
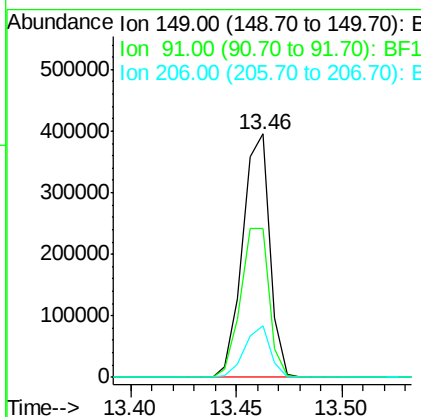
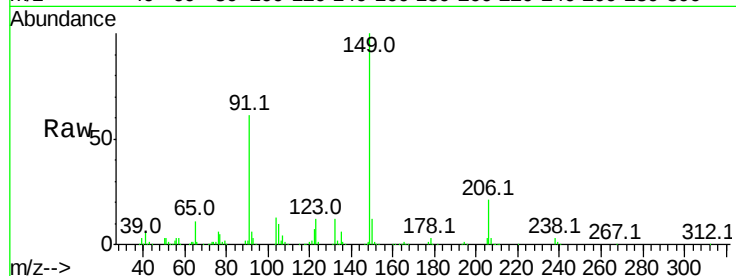
#79  
Butylbenzylphthalate  
Concen: 55.970 ng  
RT: 13.46 min Scan# 1934  
Delta R.T. -0.00 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleID :  
PB104306BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 61.1  | 56.8  | 85.2  |
| 206     | 21.2  | 14.1  | 21.1  |

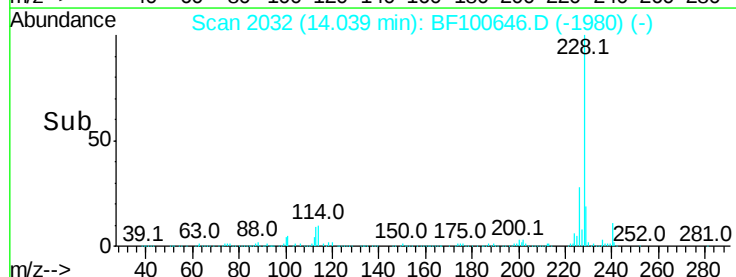
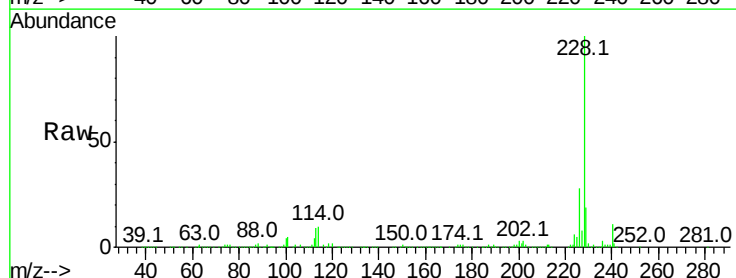
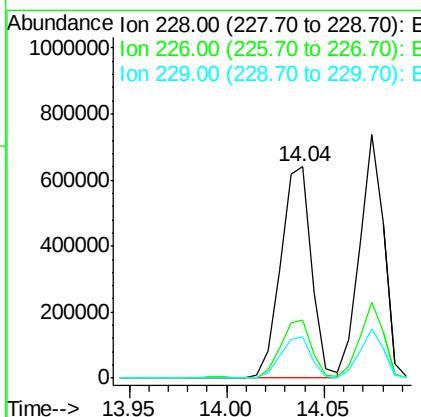
Manual Integrations  
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11/17/2017 1:25:52 PM



#80  
Benzo(a)anthracene  
Concen: 53.256 ng  
RT: 14.04 min Scan# 2032  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.7  | 22.6  | 33.8  |
| 229     | 19.5  | 15.8  | 23.6  |





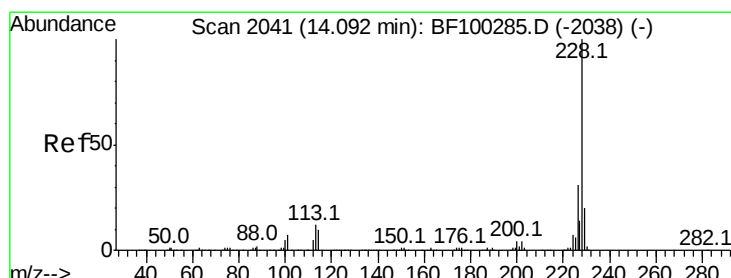
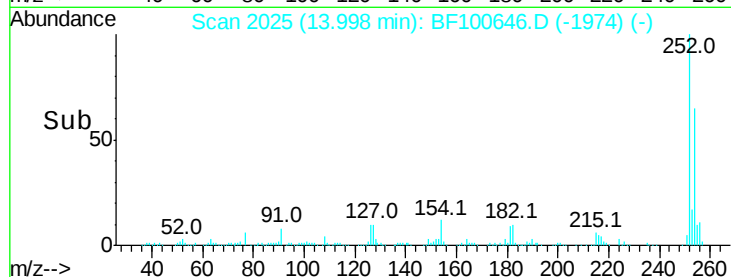
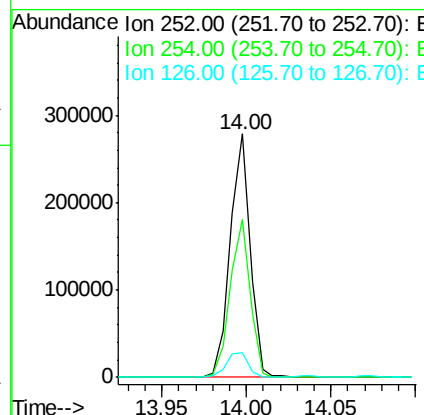
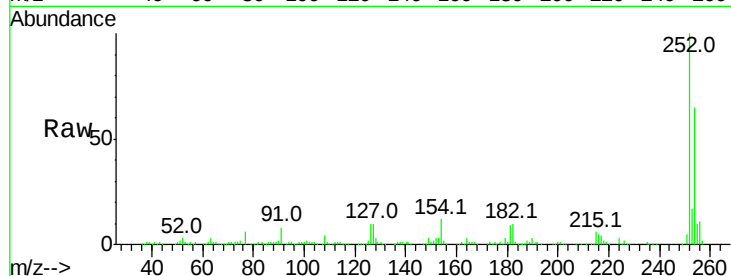
#81  
 3,3'-Dichlorobenzidine  
 Concen: 48.884 ng  
 RT: 14.00 min Scan# 2025  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104306BSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 64.6  | 50.4       | 75.6  |
| 126     | 10.4  | 11.3       | 16.9  |

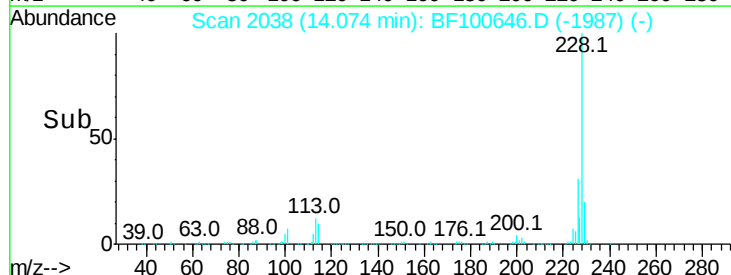
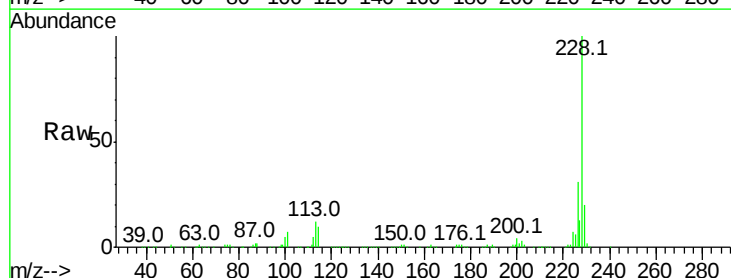
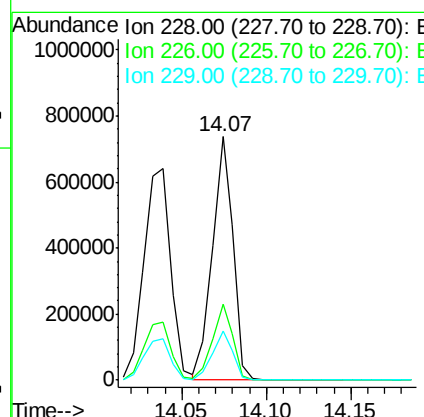
Manual Integrations  
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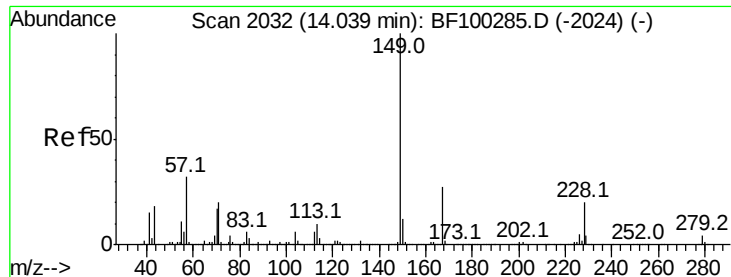
SOHIL  
 11/17/2017 1:25:52 PM



#82  
 Chrysene  
 Concen: 50.052 ng  
 RT: 14.07 min Scan# 2038  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 31.0  | 25.0       | 37.6  |
| 229     | 20.1  | 16.2       | 24.4  |





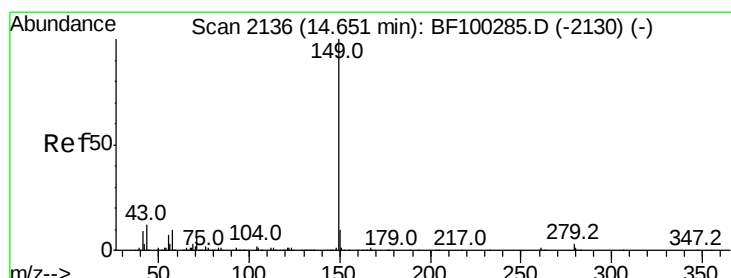
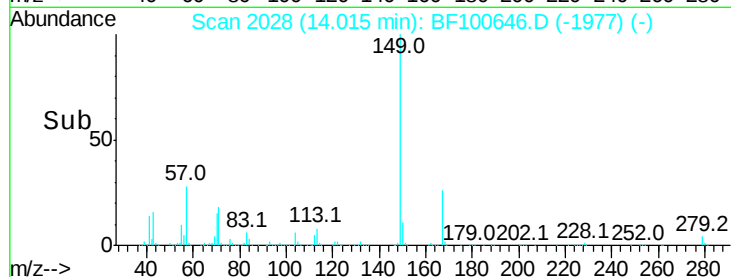
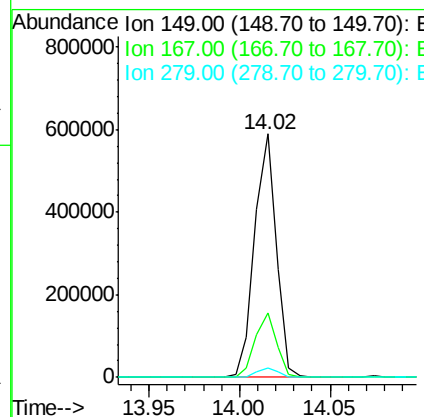
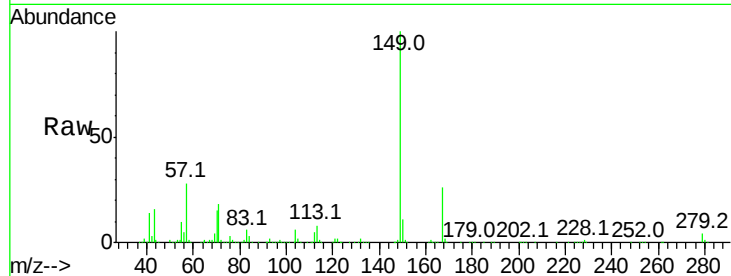
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 59.151 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104306BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 491403 |       |       |
| 167     | 26.4  | 21.3   | 31.9  |       |
| 279     | 3.7   | 3.0    | 4.4   |       |

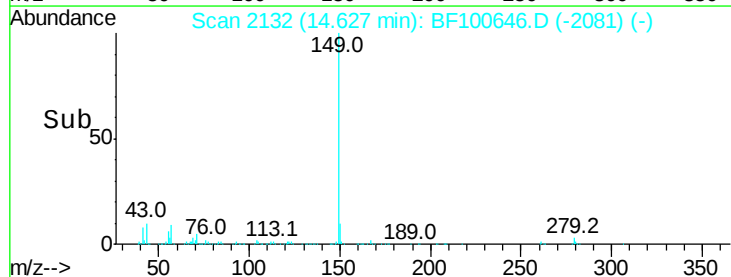
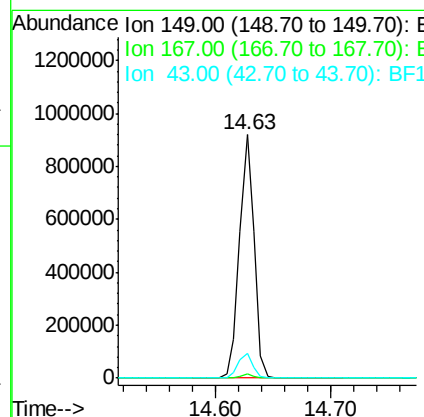
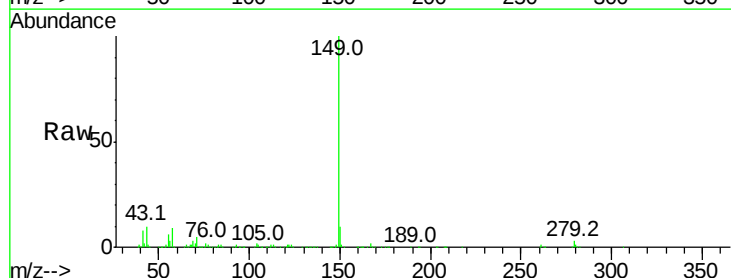
Manual Integrations  
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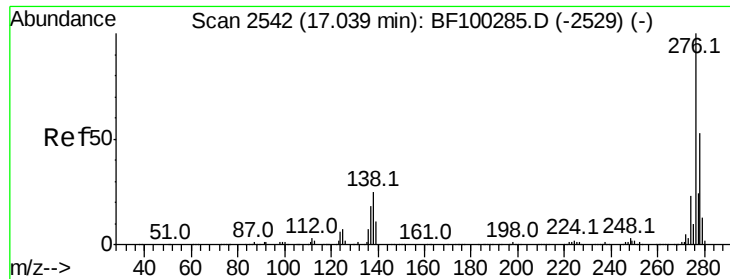
SOHIL  
 11/17/2017 1:25:52 PM



#84  
 Di-n-octyl phthalate  
 Concen: 56.544 ng  
 RT: 14.63 min Scan# 2132  
 Delta R.T. -0.00 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 806978 |       |       |
| 167     | 1.6   | 1.2    | 1.8   |       |
| 43      | 10.1  | 8.4    | 12.6  |       |





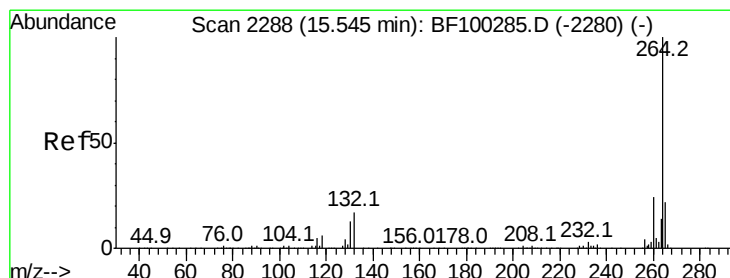
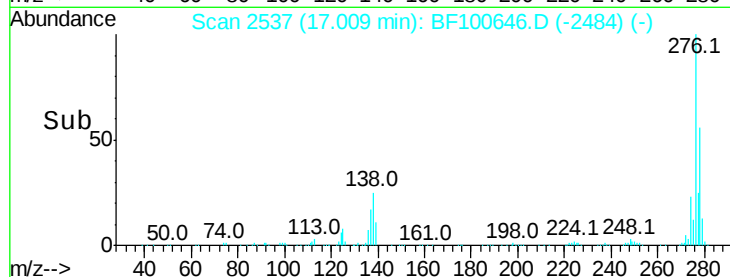
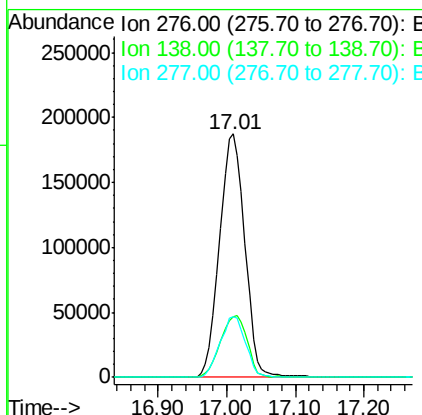
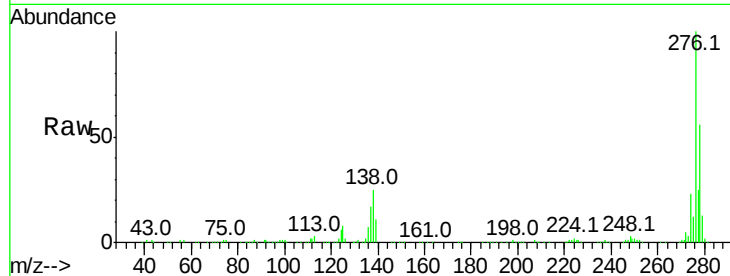
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 46.763 ng  
RT: 17.01 min Scan# 2537  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
PB104306BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.7  | 25.0  | 37.6  |
| 277     | 25.5  | 20.1  | 30.1  |

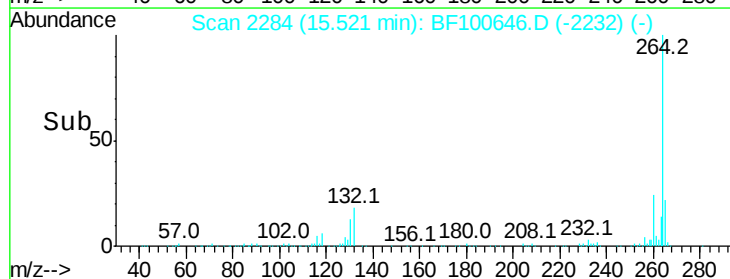
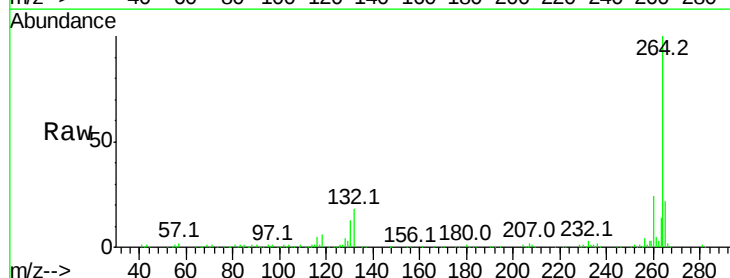
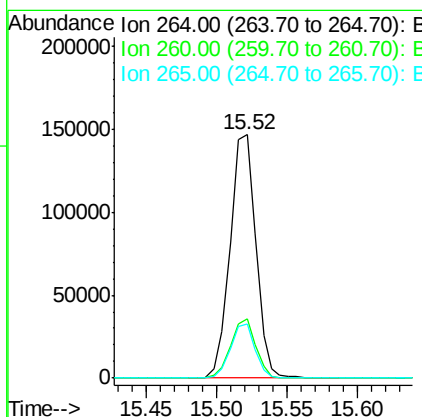
Manual Integrations  
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#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.52 min Scan# 2284  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.2  | 28.8  |
| 265     | 22.0  | 17.5  | 26.3  |





#87

Benzo(b)fluoranthene

Concen: 55.568 ng

RT: 15.09 min Scan# 2211

Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

Instrument :

BNA\_F

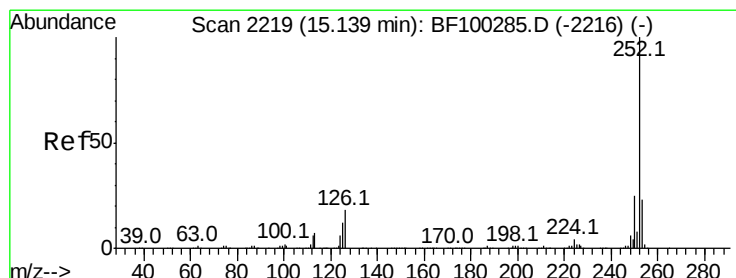
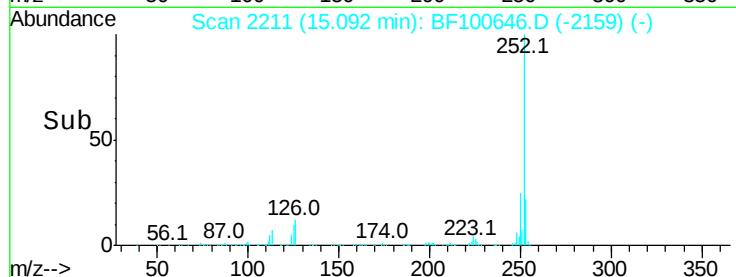
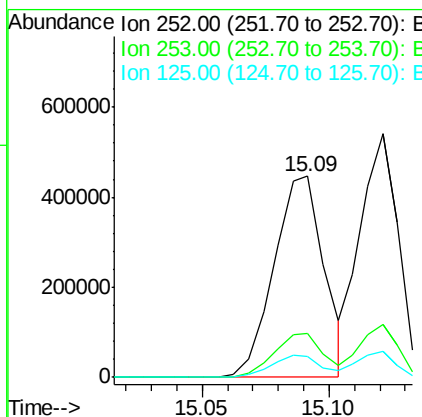
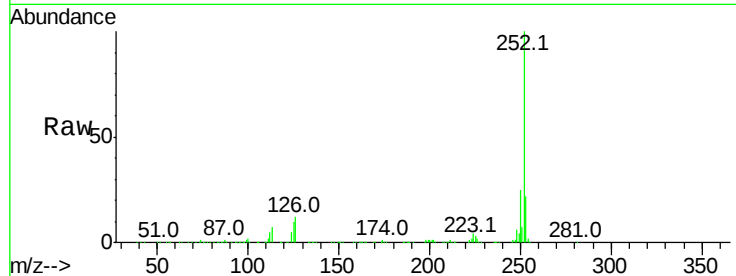
ClientSampleId :

PB104306BSD

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:252 | Resp: | 616317    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 21.6  | 17.0 25.6 |
| 125         | 10.2  | 9.0 13.6  |

Manual Integrations  
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#88

Benzo(k)fluoranthene

Concen: 55.041 ng

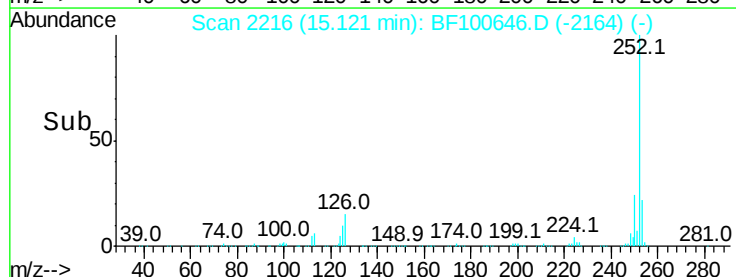
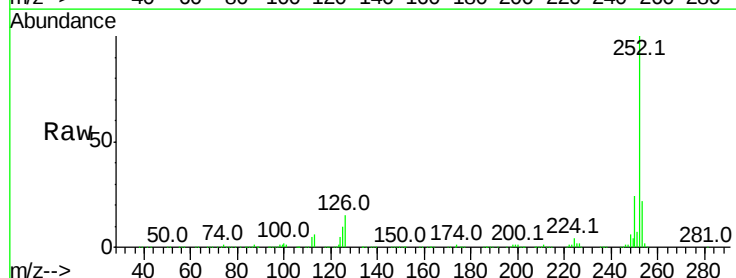
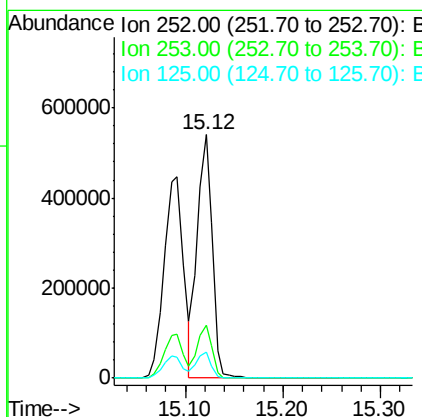
RT: 15.12 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BF100646.D

Acq: 16 Nov 2017 23:11

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 576807    |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 21.9  | 17.9 26.9 |
| 125         | 10.5  | 10.2 15.2 |





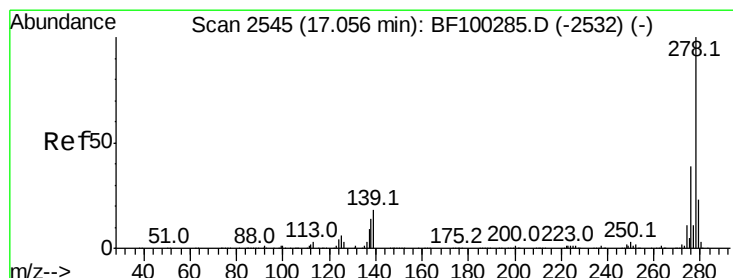
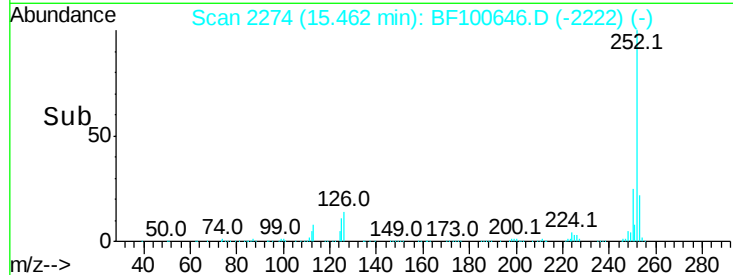
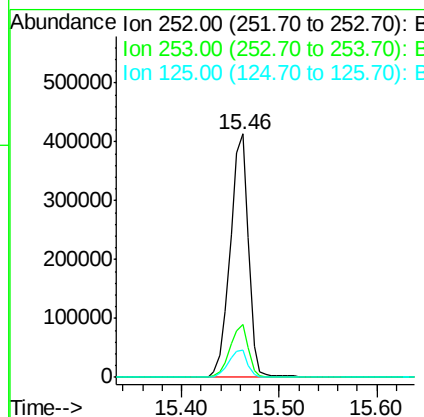
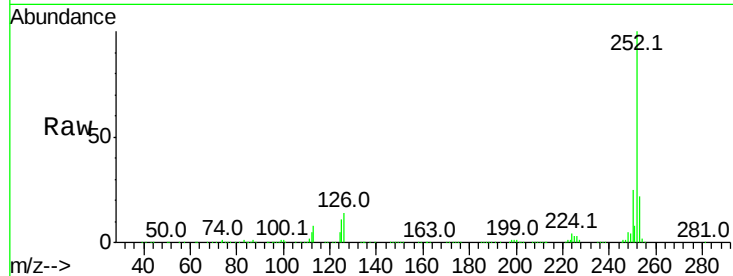
#89  
Benzo(a)pyrene  
Concen: 54.458 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

Instrument :  
BNA\_F  
ClientSampled :  
PB104306BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 17.1  | 25.7  |
| 125     | 11.1  | 9.8   | 14.6  |

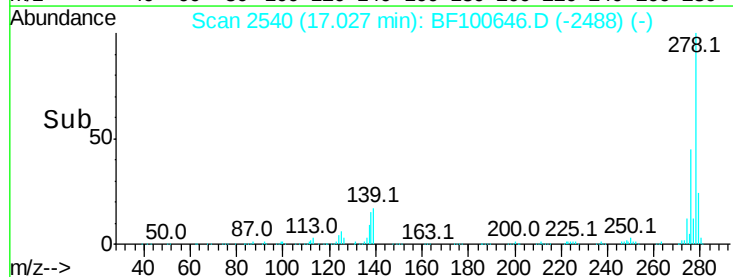
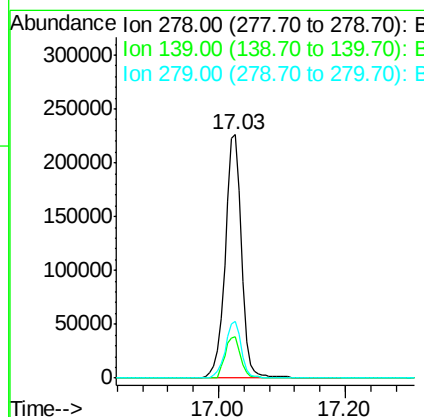
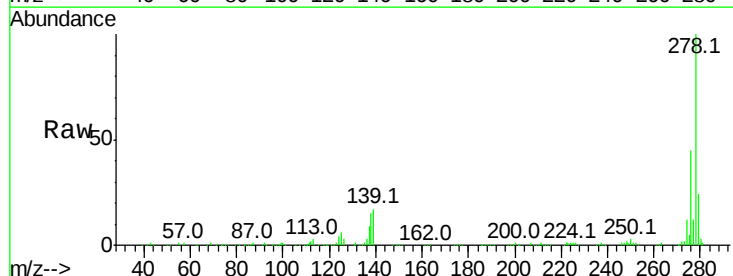
Manual Integrations  
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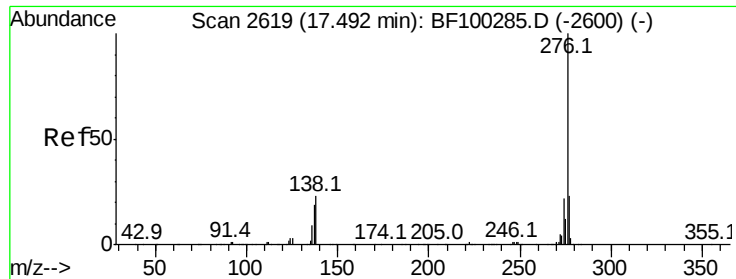
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#90  
Dibenzo(a,h)anthracene  
Concen: 50.992 ng  
RT: 17.03 min Scan# 2540  
Delta R.T. 0.01 min  
Lab File: BF100646.D  
Acq: 16 Nov 2017 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.9  | 15.9  | 23.9  |
| 279     | 23.5  | 19.0  | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 49.616 ng  
 RT: 17.46 min Scan# 2613  
 Delta R.T. 0.01 min  
 Lab File: BF100646.D  
 Acq: 16 Nov 2017 23:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104306BSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 276  | Resp: | 390558 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 23.1 | 17.9  | 26.9   |
| 138       | 22.9 | 21.8  | 32.8   |

Manual Integrations  
 APPROVED

SOHIL  
 11/17/2017 1:25:52 PM

