

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\  
 Data File : BF100729.D  
 Acq On : 20 Nov 2017 14:43  
 Operator : SJ/JU  
 Sample : IDOC-SOIL-03  
 Misc : For Mohd. Javed  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-03

Manual Integrations  
 APPROVED

SOHIL  
 11/21/2017 2:15:12 PM

Quant Time: Nov 21 03:45:13 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 15:22:08 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.87  | 152  | 90186    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.16  | 136  | 363426   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.91  | 164  | 167974   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.40 | 188  | 311691   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.03 | 240  | 173120   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.50 | 264  | 195995   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.50  | 112 | 606060 | 107.72 | ng | 0.00  |
| 7) Phenol-d6             | 6.50  | 99  | 729241 | 105.11 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.43  | 82  | 453455 | 82.49  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 200295 | 117.02 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.23  | 172 | 949227 | 86.05  | ng | 0.00  |
| 78) Terphenyl-d14        | 12.98 | 244 | 734712 | 97.51  | ng | 0.00  |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.74 | 88  | 77468  | 28.255 | ng | 97     |
| 3) Pyridine                    | 3.50 | 79  | 220542 | 29.483 | ng | 93     |
| 4) n-Nitrosodimethylamine      | 3.45 | 42  | 104589 | 28.798 | ng | 97     |
| 6) Aniline                     | 6.54 | 93  | 122763 | 12.525 | ng | 98     |
| 8) 2-Chlorophenol              | 6.66 | 128 | 220427 | 37.035 | ng | 99     |
| 9) Benzaldehyde                | 6.42 | 77  | 93282  | 18.828 | ng | 97     |
| 10) Phenol                     | 6.52 | 94  | 259994 | 35.698 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.61 | 93  | 200438 | 32.765 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.81 | 146 | 250933 | 36.568 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.89 | 146 | 250802 | 36.111 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.05 | 146 | 237812 | 37.034 | ng | 96     |
| 15) Benzyl Alcohol             | 7.01 | 79  | 188619 | 34.835 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45  | 348863 | 35.655 | ng | 98     |
| 17) 2-Methylphenol             | 7.12 | 107 | 187606 | 36.885 | ng | 96     |
| 18) Hexachloroethane           | 7.38 | 117 | 83411  | 36.425 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70  | 147581 | 30.673 | ng | 92     |
| 20) 3+4-Methylphenols          | 7.27 | 107 | 227390 | 35.329 | ng | # 78   |
| 22) Acetophenone               | 7.28 | 105 | 295222 | 33.313 | ng | # 98   |
| 24) Nitrobenzene               | 7.45 | 77  | 221675 | 39.180 | ng | 100    |
| 25) Isophorone                 | 7.69 | 82  | 404375 | 35.006 | ng | 98     |
| 26) 2-Nitrophenol              | 7.77 | 139 | 123011 | 46.554 | ng | 93     |
| 27) 2,4-Dimethylphenol         | 7.80 | 122 | 208494 | 40.263 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93  | 260162 | 34.431 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.01 | 162 | 197636 | 39.979 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.09 | 180 | 208321 | 38.958 | ng | 97     |
| 31) Naphthalene                | 8.17 | 128 | 641624 | 36.655 | ng | 99     |
| 32) Benzoic acid               | 7.90 | 122 | 57831m | 21.108 | ng |        |
| 33) 4-Chloroaniline            | 8.22 | 127 | 63352  | 8.695  | ng | 97     |
| 34) Hexachlorobutadiene        | 8.29 | 225 | 117567 | 36.978 | ng | 99     |
| 35) Caprolactam                | 8.59 | 113 | 52322m | 30.841 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.70 | 107 | 193185 | 36.386 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.87 | 142 | 444984 | 38.290 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 206088 | 36.994 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 9.02 | 237 | 183598 | 70.024 | ng | 100    |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.15  | 196  | 144547   | 40.940 | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 9.19  | 196  | 146910   | 40.160 | nq    | # 89     |
| 45) 1,1'-Biphenyl              | 9.33  | 154  | 530604   | 36.523 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 9.36  | 162  | 415418   | 39.415 | nq    | 97       |
| 47) 2-Nitroaniline             | 9.45  | 65   | 118815   | 38.723 | nq    | 99       |
| 48) Acenaphthylene             | 9.77  | 152  | 632776   | 36.228 | nq    | 99       |
| 49) Dimethylphthalate          | 9.63  | 163  | 470102   | 36.655 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.69  | 165  | 107824   | 42.473 | nq    | 91       |
| 51) Acenaphthene               | 9.95  | 154  | 392363   | 36.936 | nq    | 98       |
| 52) 3-Nitroaniline             | 9.86  | 138  | 52468    | 17.502 | nq    | 98       |
| 53) 2,4-Dinitrophenol          | 9.97  | 184  | 37833    | 44.889 | nq    | # 12     |
| 54) Dibenzofuran               | 10.12 | 168  | 558302   | 37.499 | nq    | 98       |
| 55) 4-Nitrophenol              | 10.02 | 139  | 148937   | 61.187 | nq    | 91       |
| 56) 2,4-Dinitrotoluene         | 10.10 | 165  | 137717   | 43.002 | nq    | # 88     |
| 57) Fluorene                   | 10.46 | 166  | 429572   | 39.386 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.23 | 232  | 114771   | 38.282 | nq    | # 85     |
| 59) Diethylphthalate           | 10.33 | 149  | 456657   | 35.581 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204  | 211425   | 39.515 | nq    | 89       |
| 61) 4-Nitroaniline             | 10.47 | 138  | 97142    | 34.175 | nq    | 87       |
| 62) Azobenzene                 | 10.61 | 77   | 405648   | 33.558 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198  | 39752    | 29.319 | nq    | 78       |
| 65) n-Nitrosodiphenylamine     | 10.57 | 169  | 398268   | 36.748 | nq    | 95       |
| 66) 4-Bromophenyl-phenylether  | 10.94 | 248  | 133609   | 39.987 | nq    | # 87     |
| 67) Hexachlorobenzene          | 11.00 | 284  | 139662   | 39.965 | nq    | # 92     |
| 68) Atrazine                   | 11.09 | 200  | 121917   | 37.163 | nq    | 97       |
| 69) Pentachlorophenol          | 11.20 | 266  | 119261   | 47.594 | nq    | 98       |
| 70) Phenanthrene               | 11.42 | 178  | 622039   | 37.904 | nq    | 98       |
| 71) Anthracene                 | 11.47 | 178  | 640504   | 38.469 | nq    | 99       |
| 72) Carbazole                  | 11.63 | 167  | 526489   | 34.270 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.95 | 149  | 679689   | 37.806 | nq    | 99       |
| 74) Fluoranthene               | 12.61 | 202  | 583043   | 33.523 | nq    | 96       |
| 76) Benzidine                  | 12.73 | 184  | 124593   | 17.971 | nq    | 98       |
| 77) Pyrene                     | 12.84 | 202  | 566436   | 45.900 | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.45 | 149  | 212694   | 42.262 | nq    | # 88     |
| 80) Benzo(a)anthracene         | 14.02 | 228  | 404414   | 38.792 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.98 | 252  | 78412    | 20.993 | nq    | 96       |
| 82) Chrysene                   | 14.06 | 228  | 382119   | 37.851 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149  | 272620   | 41.186 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.62 | 149  | 445361   | 39.165 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.99 | 276  | 517458   | 63.370 | nq    | 95       |
| 87) Benzo(b)fluoranthene       | 15.07 | 252  | 409914   | 35.302 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 15.10 | 252  | 402567m  | 36.693 | nq    |          |
| 89) Benzo(a)pyrene             | 15.44 | 252  | 412996   | 40.119 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 17.00 | 278  | 430468   | 51.133 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 17.44 | 276  | 445596   | 54.071 | nq    | # 94     |

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

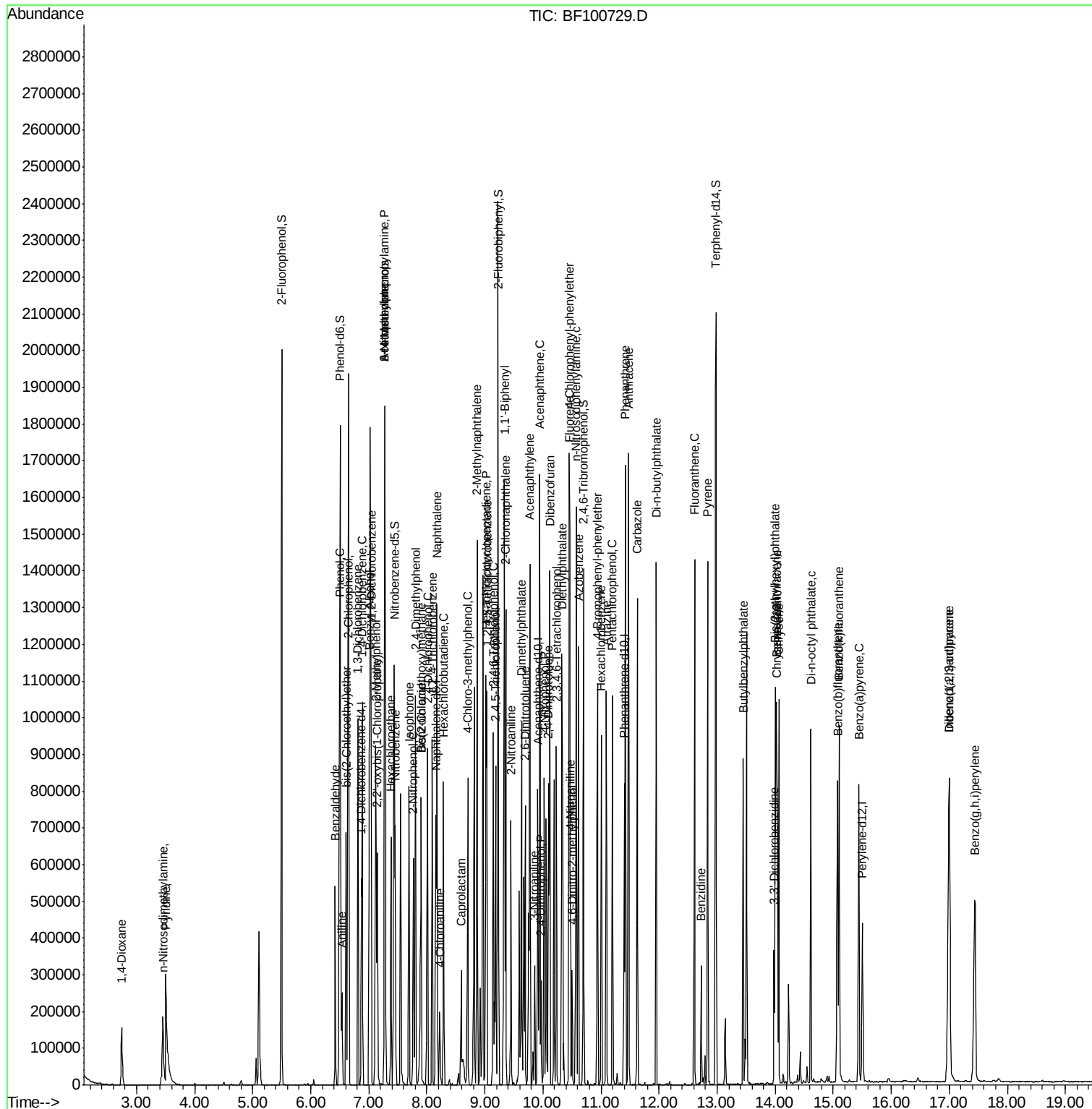
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Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\  
Data File : BF100729.D  
Acq On    : 20 Nov 2017  14:43  
Operator  : SJ/JU  
Sample    : IDOC-SOIL-03  
Misc      : For Mohd. Javed  
ALS Vial  : 6      Sample Multiplier: 1
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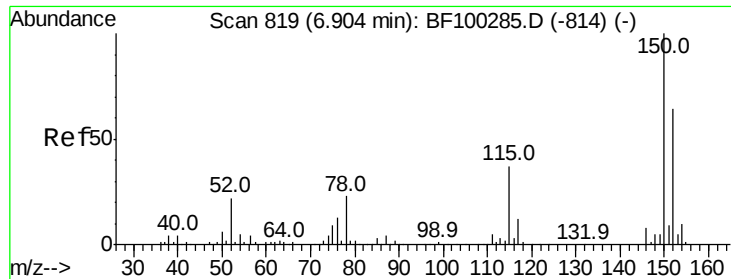
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
IDOC-SOIL-03

## Manual Integrations APPROVED

SOHIL  
11/21/2017 2:15:12 PM

Quant Time: Nov 21 03:45:13 2017  
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#1

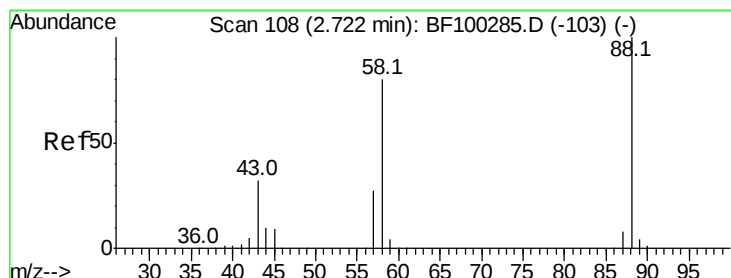
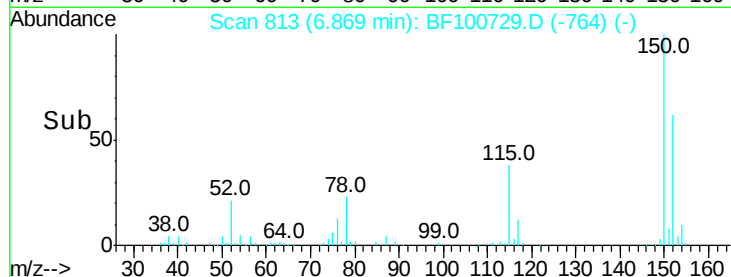
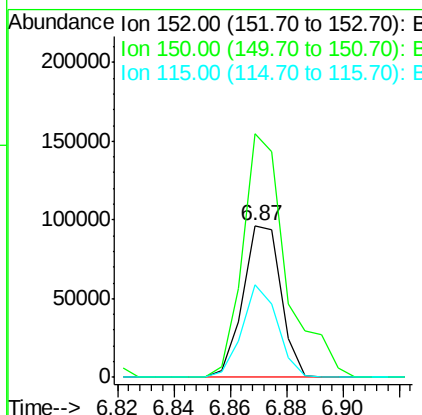
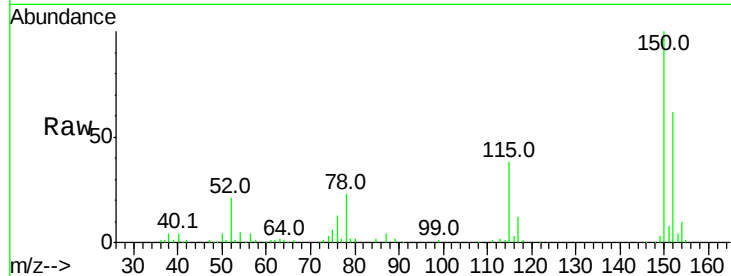
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.8 | 124.6 | 186.8 |
| 115     | 61.2  | 50.1  | 75.1  |

Manual Integrations  
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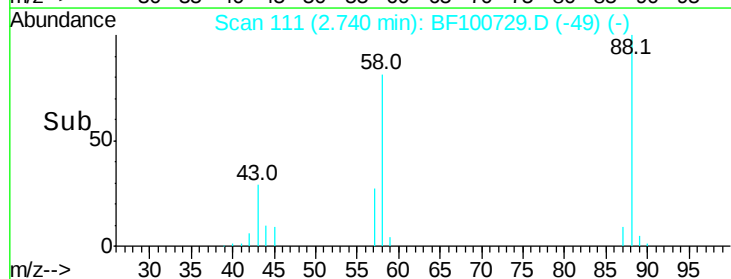
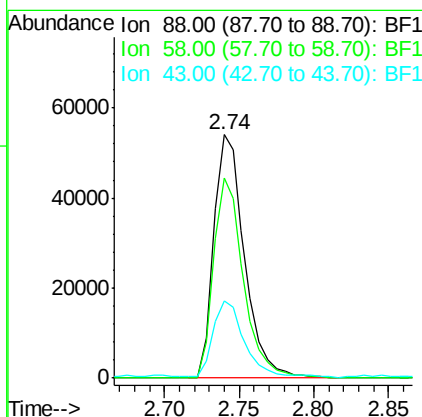
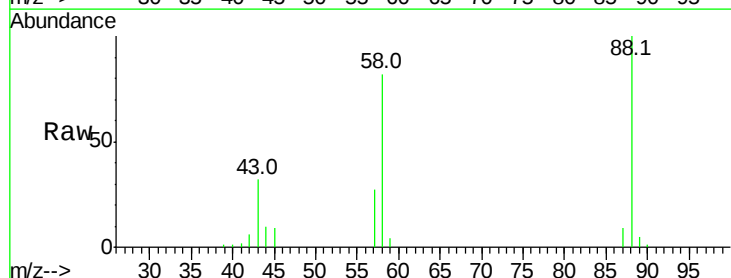
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11/21/2017 2:15:12 PM

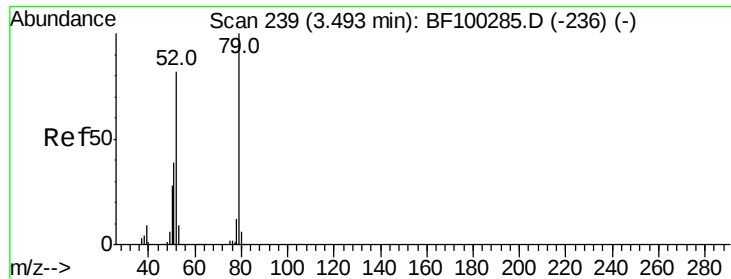


#2

1,4-Dioxane  
Concen: 28.255 ng  
RT: 2.74 min Scan# 111  
Delta R.T. 0.06 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 80.5  | 62.6  | 93.8  |
| 43      | 33.7  | 24.6  | 37.0  |





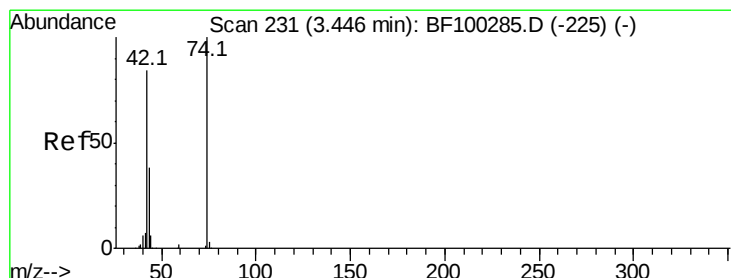
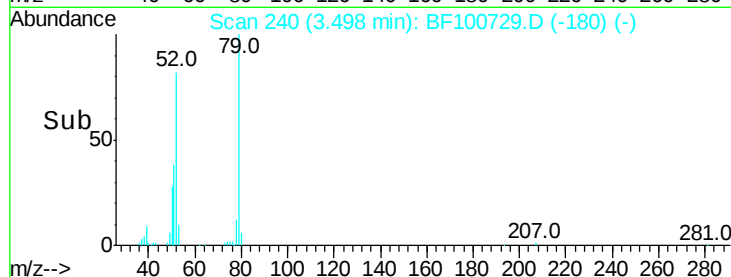
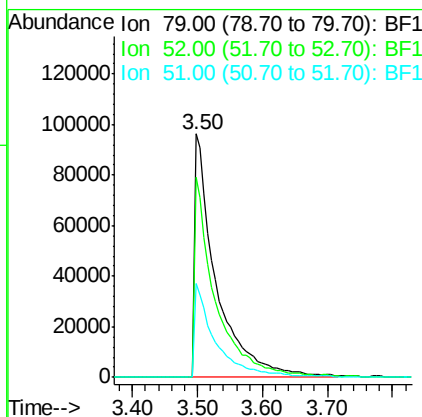
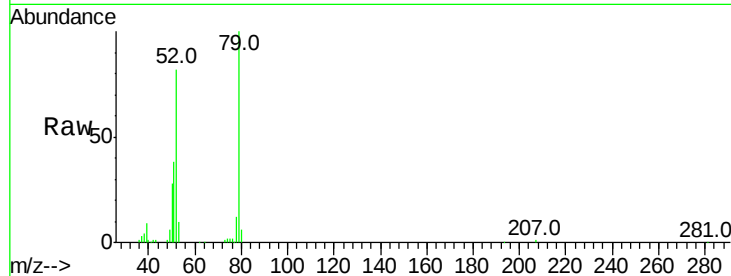
#3  
 Pvridine  
 Concen: 29.483 ng  
 RT: 3.50 min Scan# 240  
 Delta R.T. 0.05 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 82.3  | 59.8  | 89.6  |
| 51      | 38.5  | 29.8  | 44.8  |

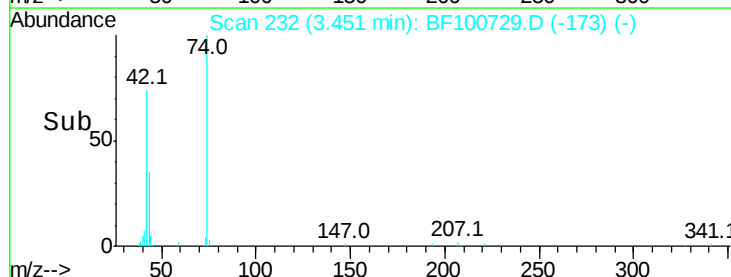
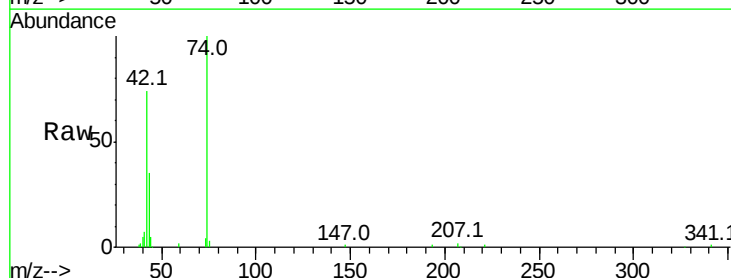
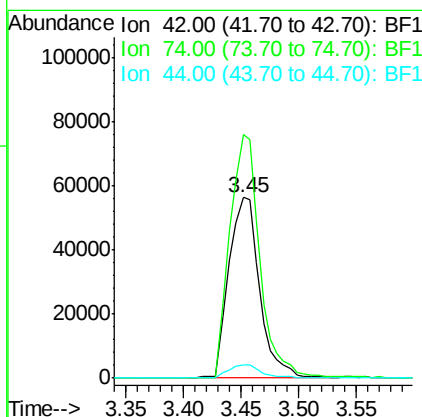
Manual Integrations  
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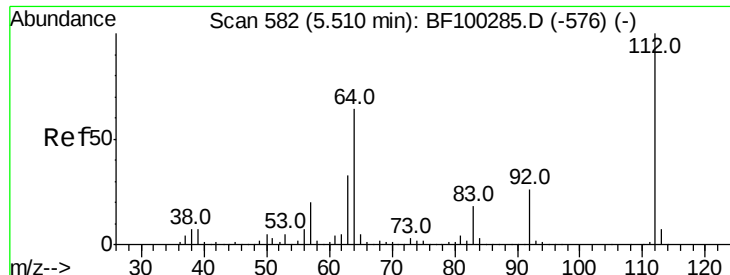
SOHIL  
 11/21/2017 2:15:12 PM



#4  
 n-Nitrosodimethylamine  
 Concen: 28.798 ng  
 RT: 3.45 min Scan# 232  
 Delta R.T. 0.05 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 135.0 | 104.9 | 157.3 |
| 44      | 7.3   | 6.9   | 10.3  |





#5

2-Fluorophenol

Concen: 107.723 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

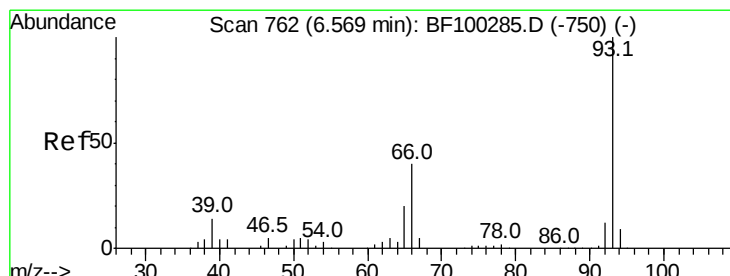
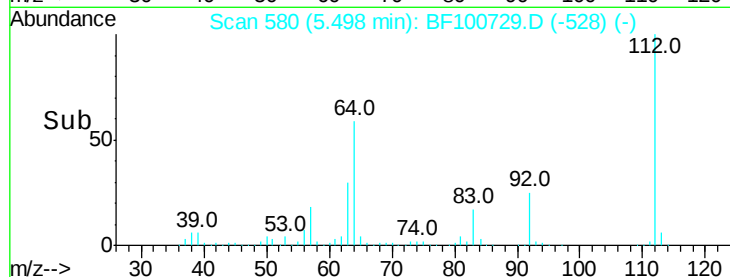
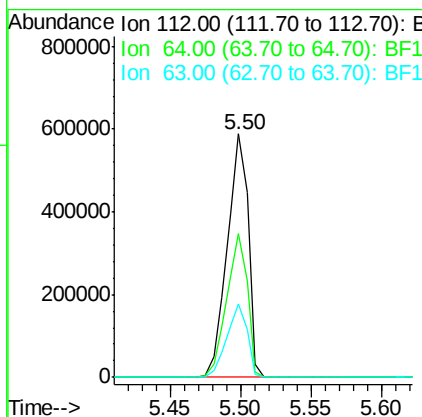
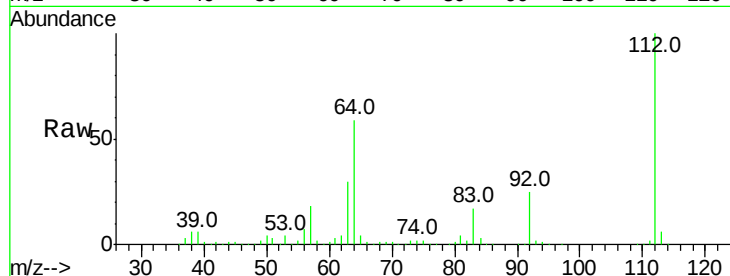
ClientSampleId :

IDOC-SOIL-03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 606060 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 59.2  | 47.9  | 71.9   |
| 63        | 30.2  | 23.7  | 35.5   |

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11/21/2017 2:15:12 PM



#6

Aniline

Concen: 12.525 ng

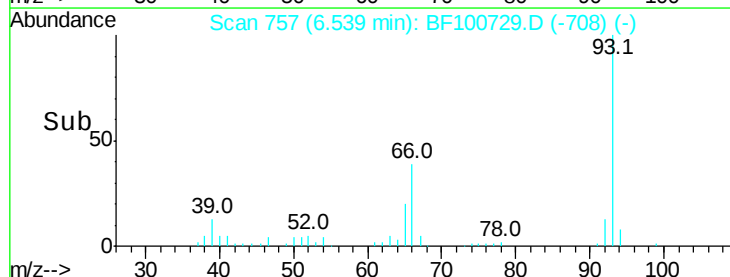
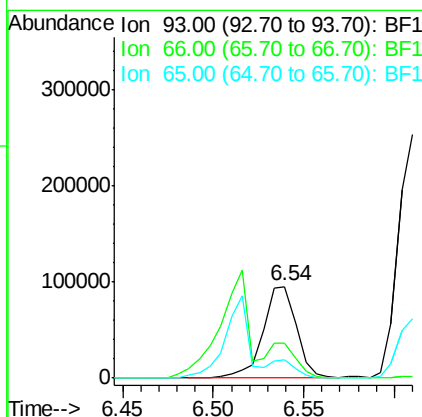
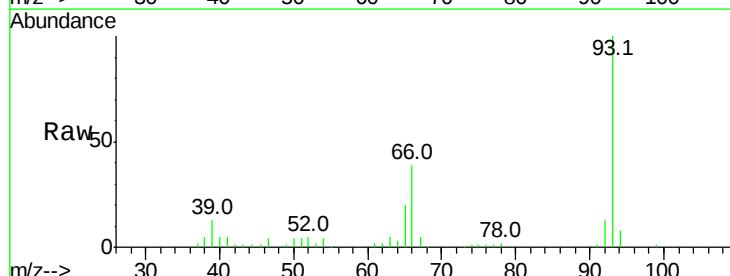
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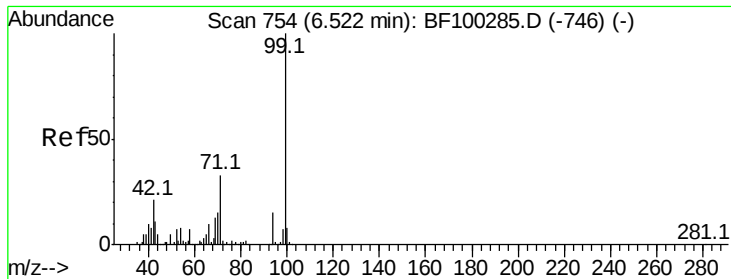
Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 122763 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 38.8  | 32.2  | 48.2   |
| 65        | 19.7  | 16.4  | 24.6   |





#7

Phenol-d6

Concen: 105.112 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

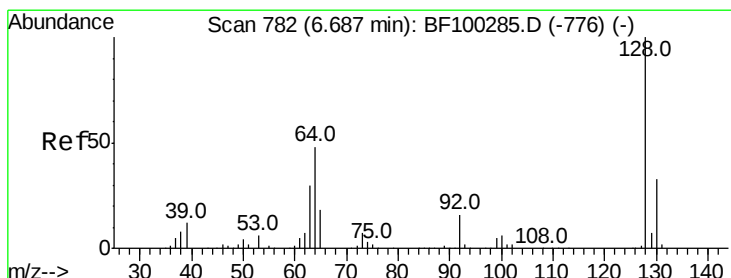
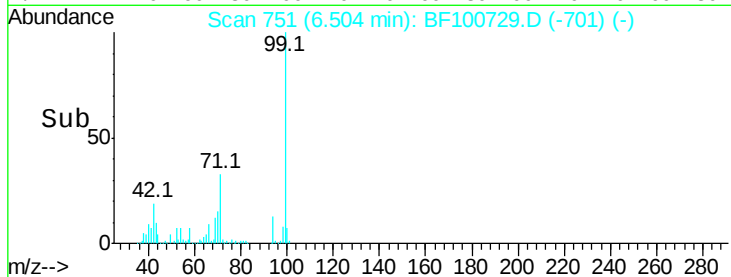
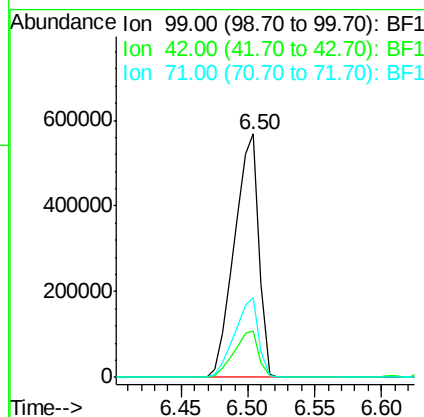
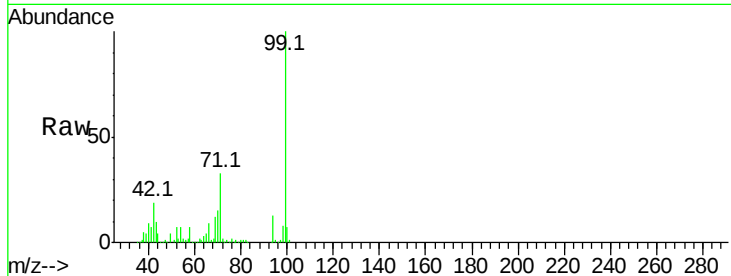
ClientSampleId :

IDOC-SOIL-03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 729241 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 19.1  | 14.5  | 21.7   |
| 71        | 32.8  | 25.4  | 38.0   |

Manual Integrations  
APPROVED

SOHIL  
11/21/2017 2:15:12 PM



#8

2-Chlorophenol

Concen: 37.035 ng

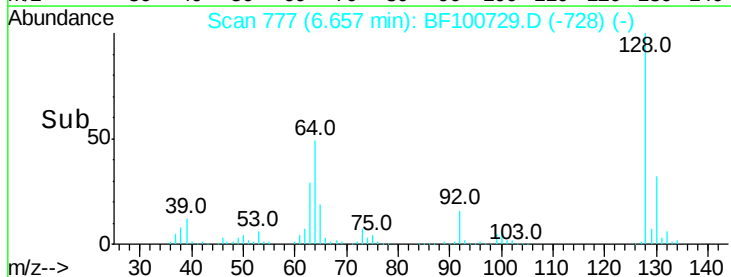
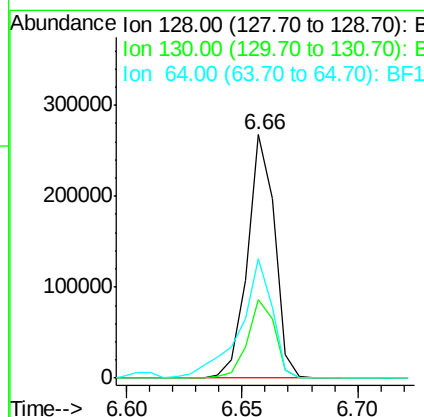
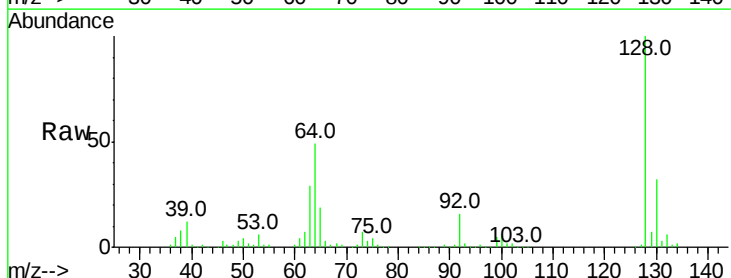
RT: 6.66 min Scan# 777

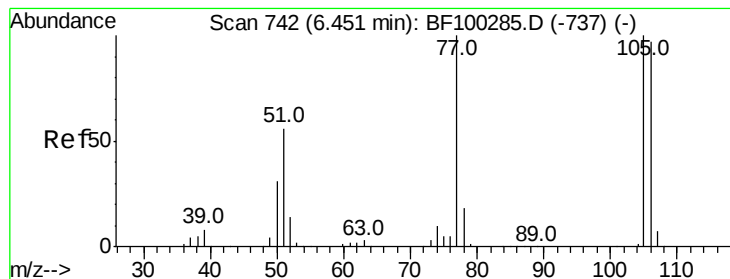
Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 220427 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 32.3  | 13.0  | 53.0   |
| 64        | 49.2  | 29.4  | 69.4   |





#9

Benzaldehyde

Concen: 18.828 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

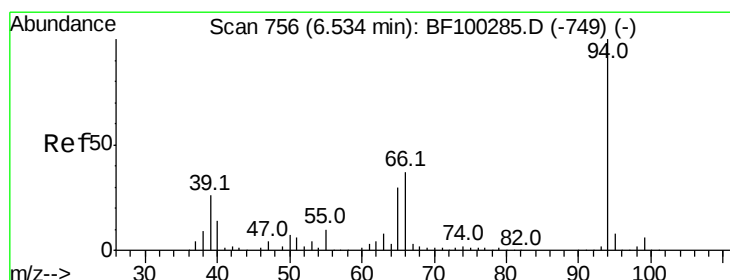
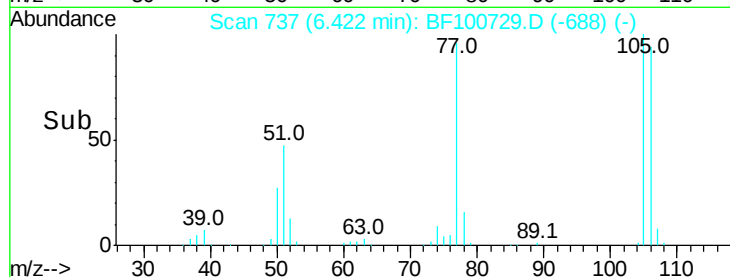
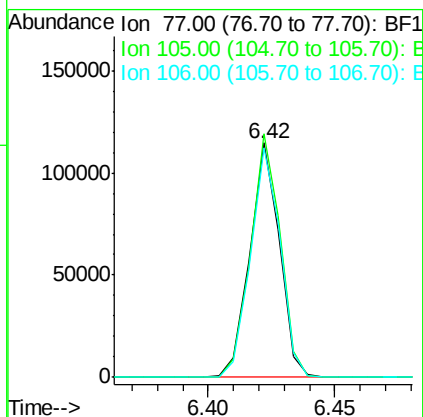
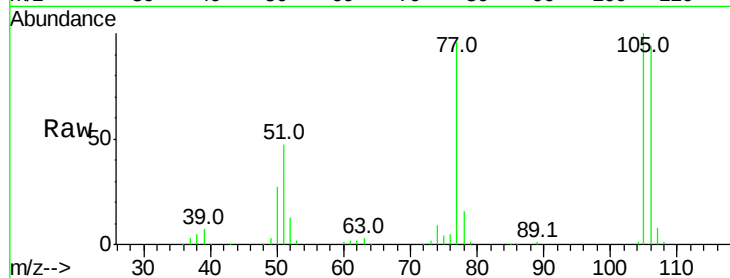
ClientSampleId :

IDOC-SOIL-03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 93282 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 103.9 | 81.1  | 121.1 |
| 106      | 97.7  | 74.5  | 114.5 |

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#10

Phenol

Concen: 35.698 ng

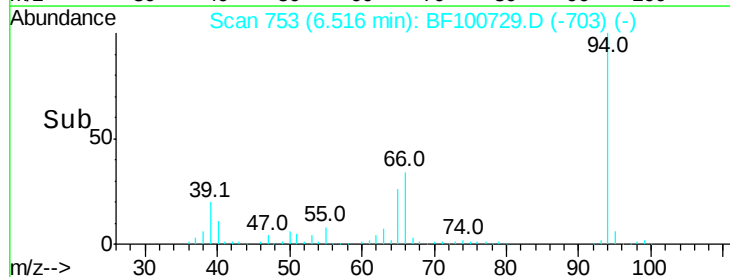
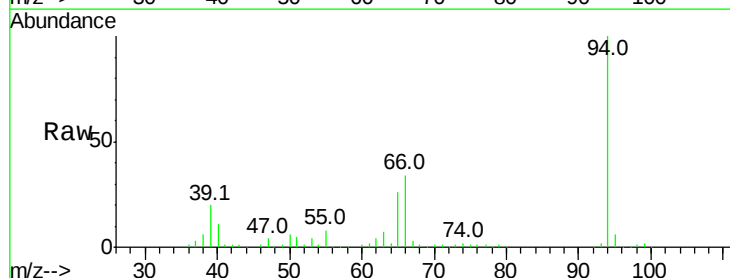
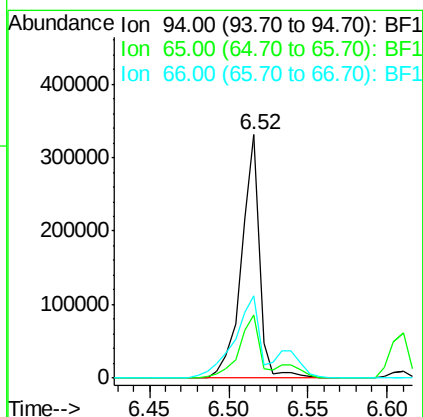
RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 259994 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 25.8  | 7.9   | 47.9   |
| 66       | 34.0  | 16.2  | 56.2   |





#11

bis(2-Chloroethyl)ether

Concen: 32.765 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

ClientSampleId :

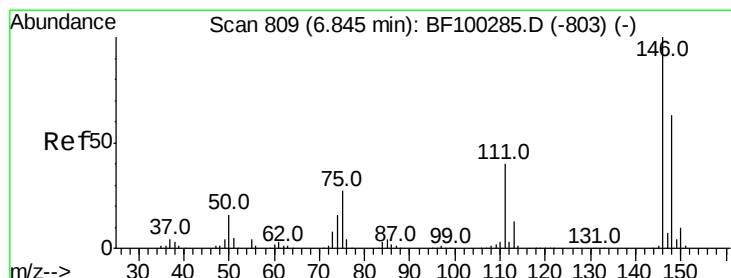
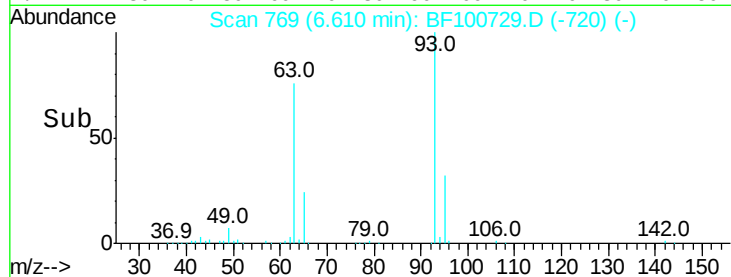
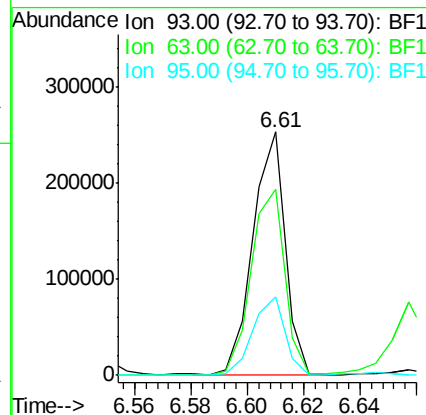
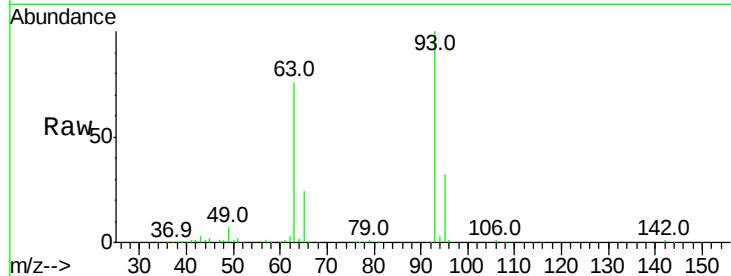
IDOC-SOIL-03

Tot Ion: 93 Resp: 200438

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 76.4  | 58.6  | 98.6  |
| 95  | 32.2  | 11.8  | 51.8  |

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#12

1,3-Dichlorobenzene

Concen: 36.568 ng

RT: 6.81 min Scan# 803

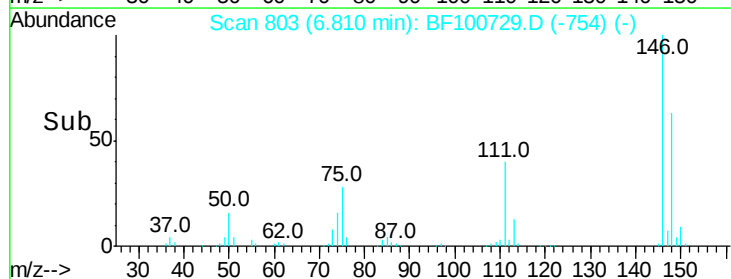
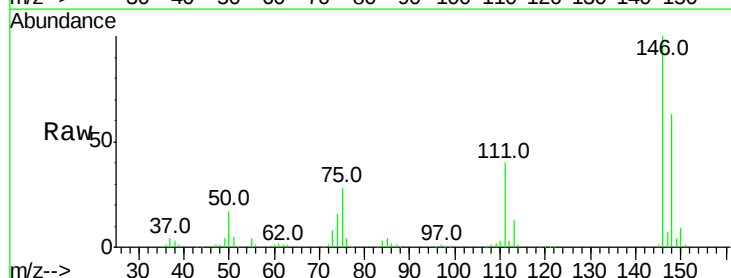
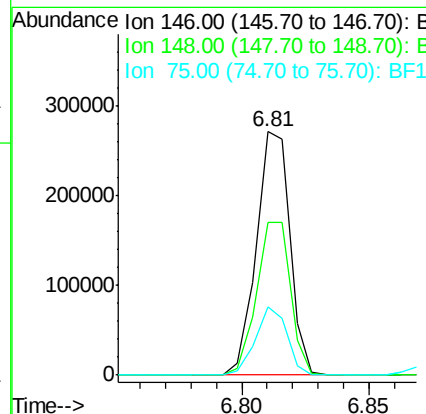
Delta R.T. -0.01 min

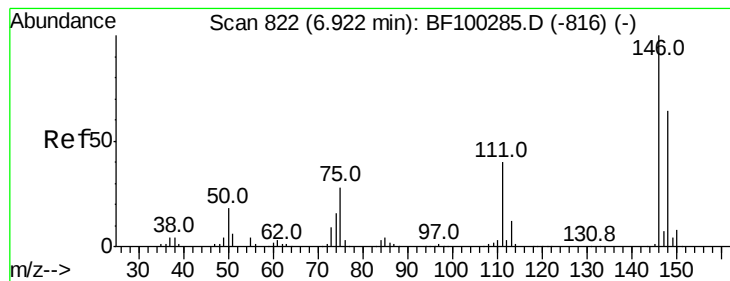
Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Tgt Ion: 146 Resp: 250933

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 62.8  | 51.8  | 77.8  |
| 75  | 28.1  | 24.2  | 36.4  |





#13

1,4-Dichlorobenzene

Concen: 36.111 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

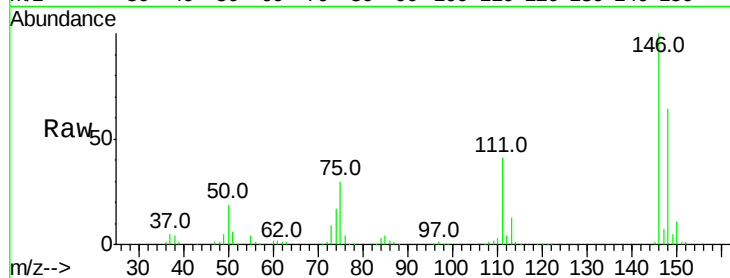
ClientSampleId :

IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.7  | 50.8  | 76.2  |
| 111     | 41.0  | 34.2  | 51.2  |

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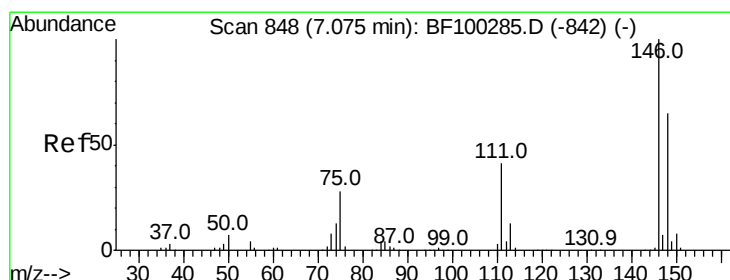
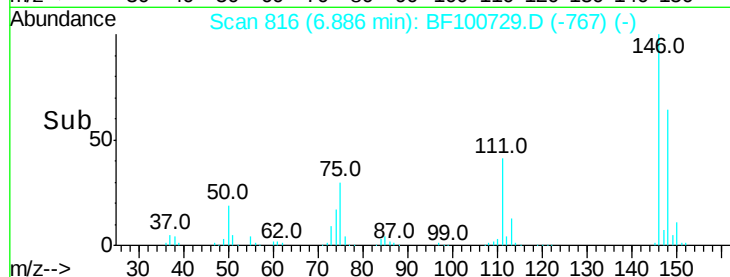
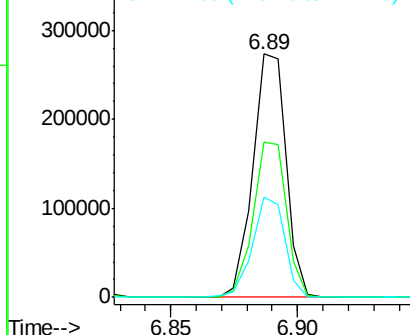


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 37.034 ng

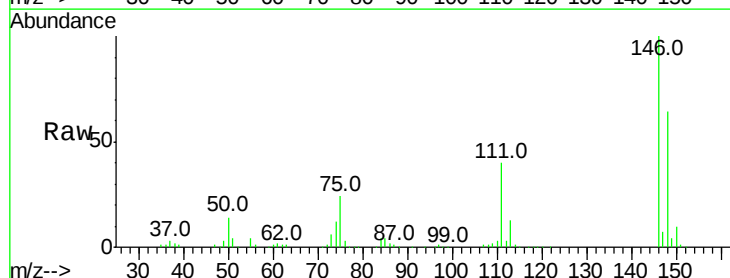
RT: 7.05 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.2  | 50.6  | 75.8  |
| 111     | 39.7  | 36.0  | 54.0  |

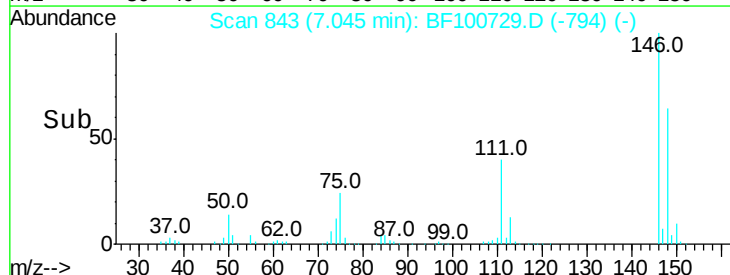
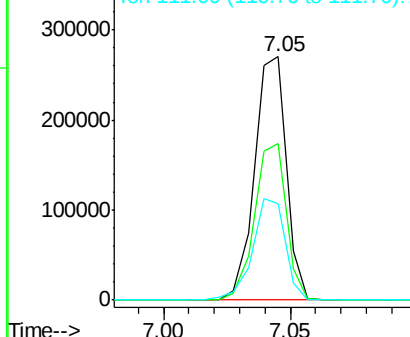


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 34.835 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

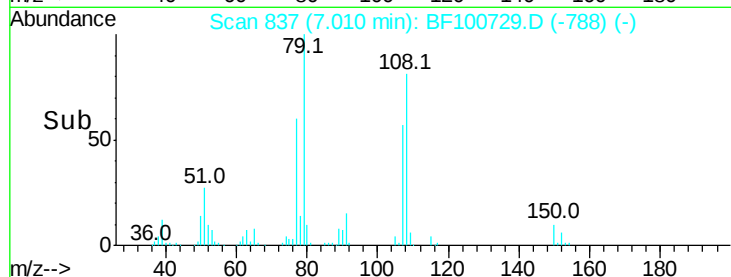
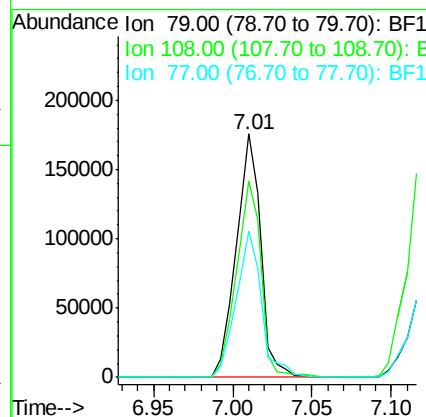
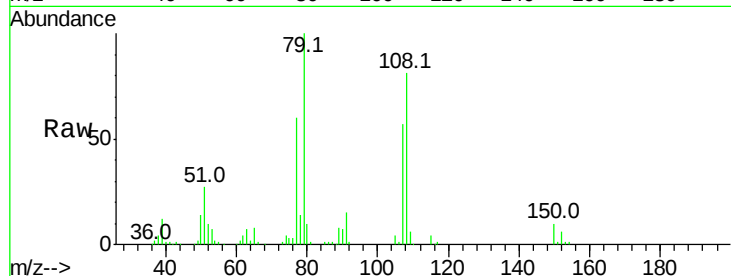
ClientSampleId :

IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 80.8  | 65.1  | 97.7  |
| 77      | 60.0  | 50.6  | 75.8  |

Manual Integrations  
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#16

2,2'-oxybis(1-chloropropane)

Concen: 35.655 ng

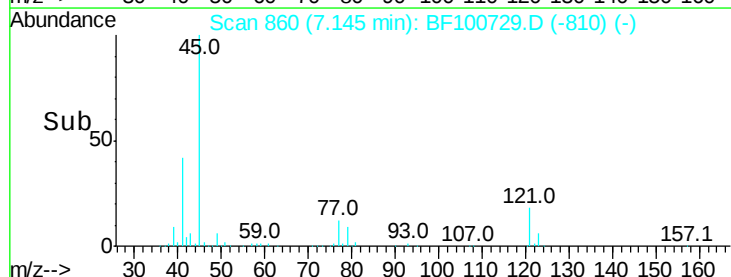
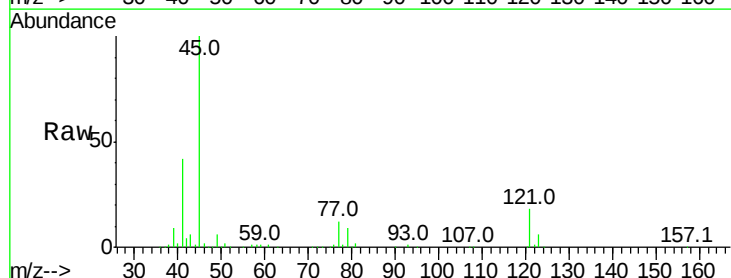
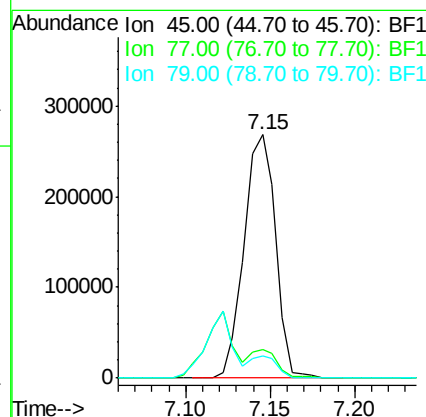
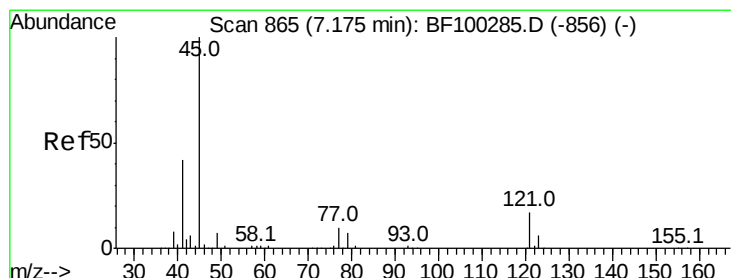
RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 11.7  | 0.0   | 32.9  |
| 79      | 9.3   | 0.0   | 29.6  |





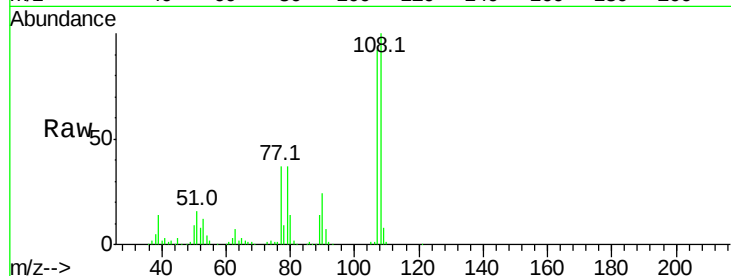
#17  
2-Methylphenol  
Concen: 36.885 ng  
RT: 7.12 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

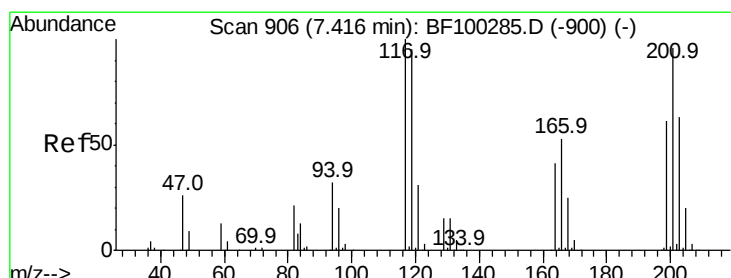
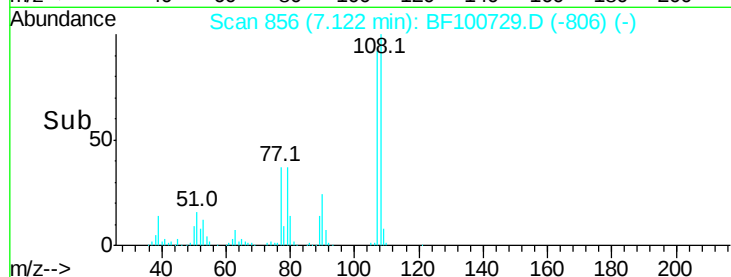
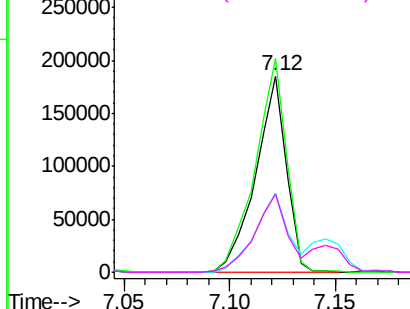
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 108.9 | 91.7 | 137.5 |       |
| 77      | 40.2  | 33.8 | 50.8  |       |
| 79      | 40.0  | 33.8 | 50.8  |       |

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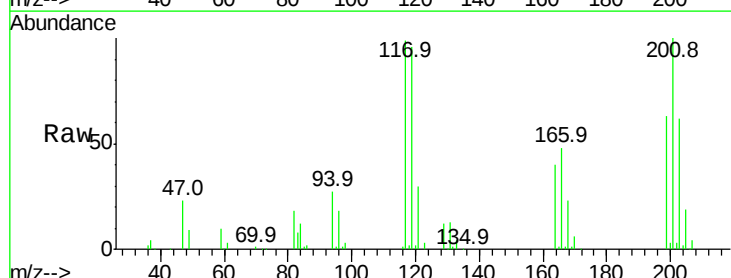


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

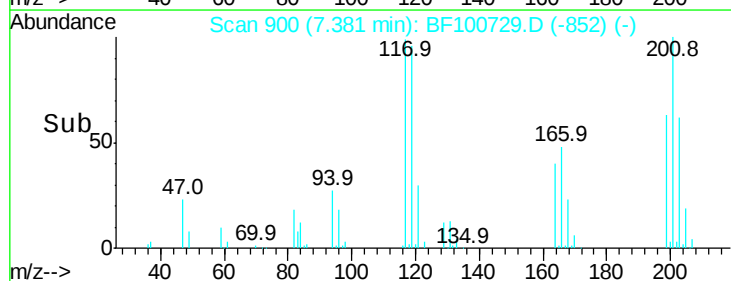
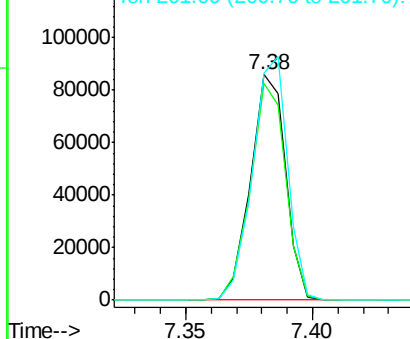


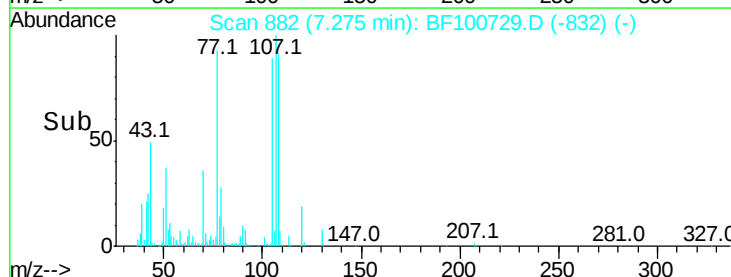
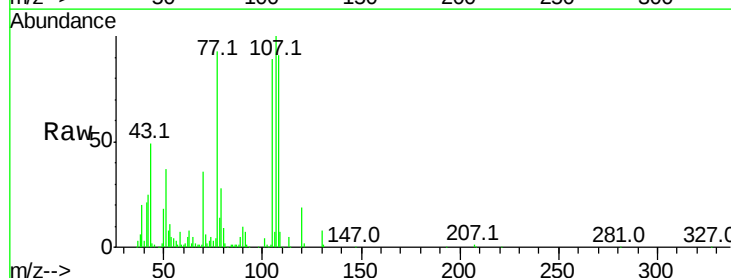
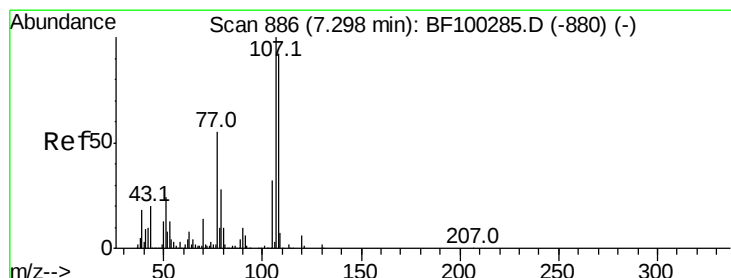
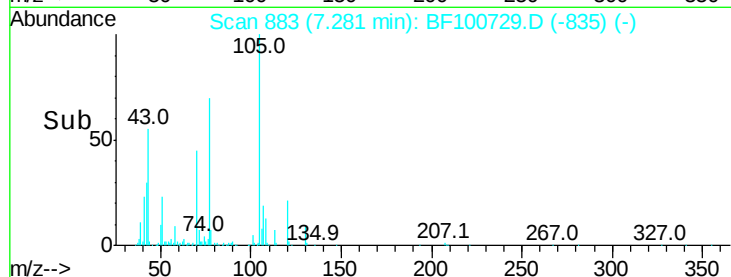
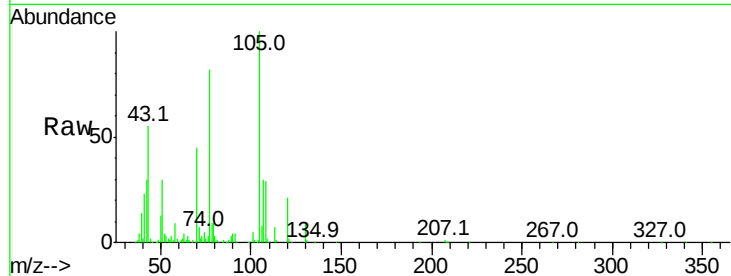
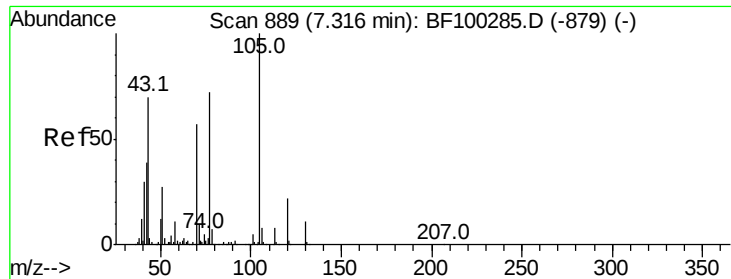
#18  
Hexachloroethane  
Concen: 36.425 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.02 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 96.3  | 75.8 | 113.8 |       |
| 201     | 100.7 | 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: 30.673 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF100729.D

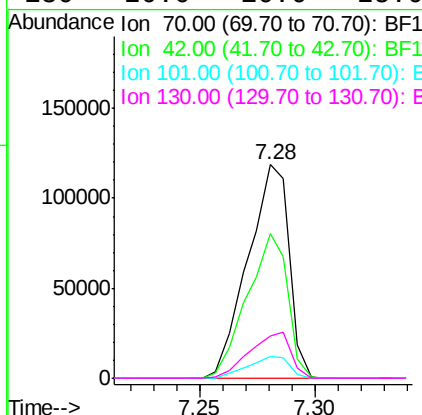
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 67.4  | 47.5  | 71.3  |
| 101     | 10.2  | 7.4   | 11.2  |
| 130     | 20.0  | 16.6  | 25.0  |

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#20

3+4-Methylphenols

Concen: 35.329 ng

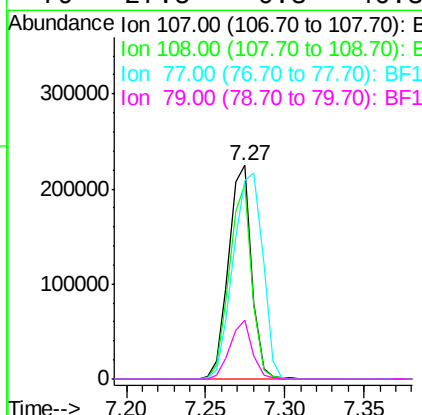
RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 91.4  | 68.2  | 108.2 |
| 77      | 92.7  | 26.7  | 66.7# |
| 79      | 27.5  | 6.3   | 46.3  |





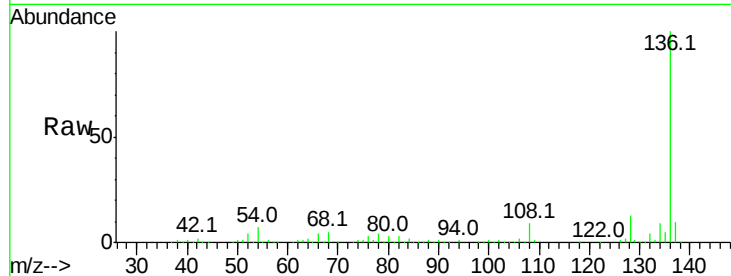
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.16 min Scan# 1032  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.0  | 8.9   | 13.3  |
| 54      | 7.4   | 6.6   | 9.8   |
| 68      | 5.3   | 5.0   | 7.4   |

Manual Integrations  
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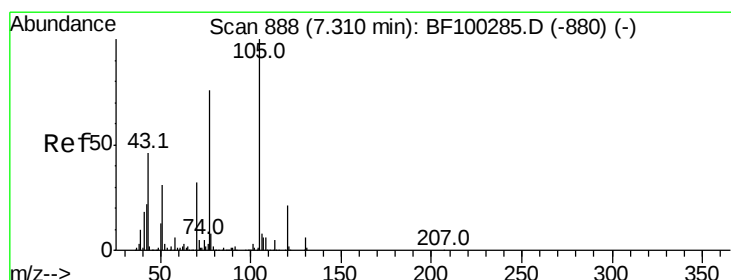
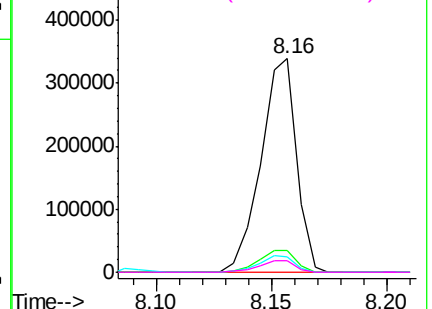
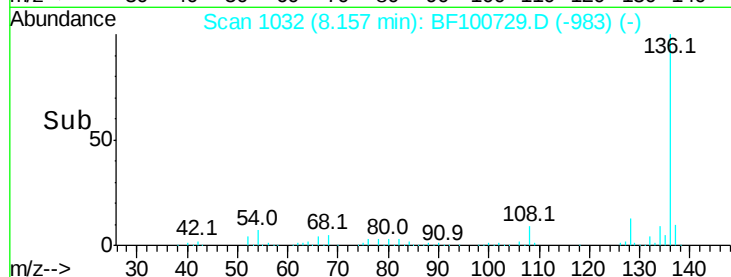
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

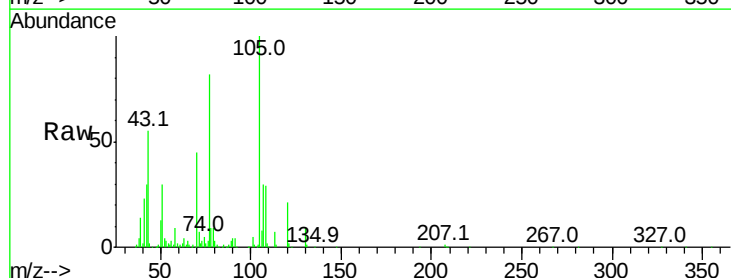
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22  
Acetophenone  
Concen: 33.313 ng  
RT: 7.28 min Scan# 883  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 7.4   | 4.4   | 6.6#  |
| 51      | 29.6  | 22.3  | 33.5  |
| 120     | 21.3  | 16.9  | 25.3  |



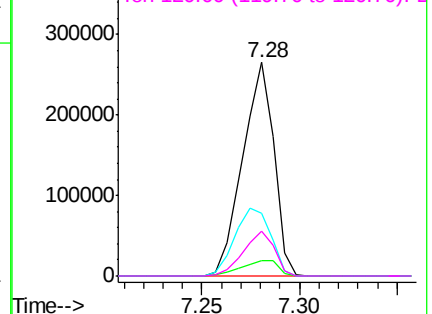
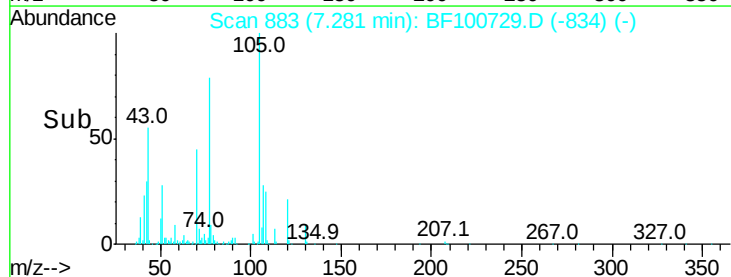
Abundance

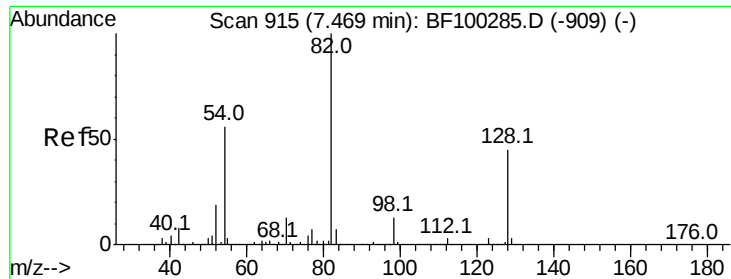
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





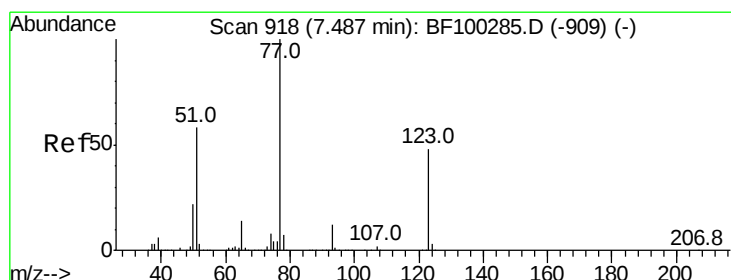
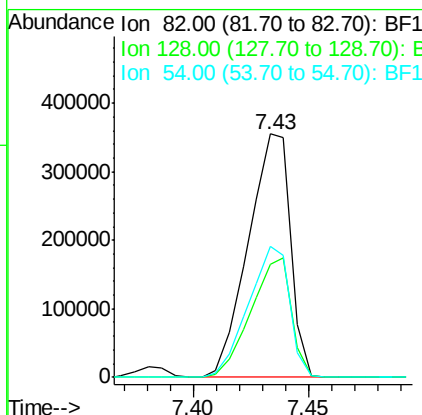
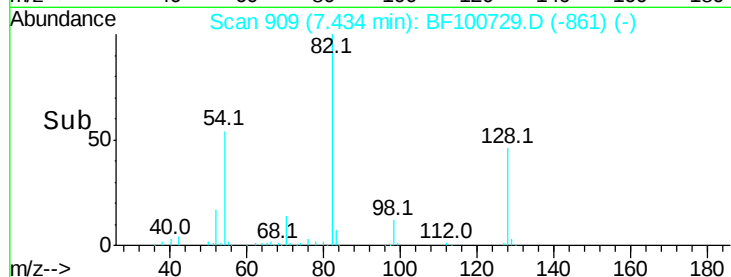
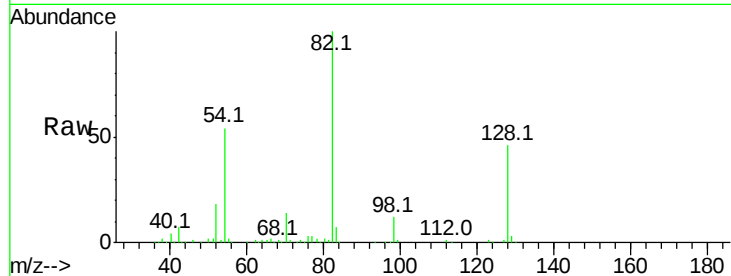
#23  
Nitrobenzene-d5  
Concen: 82.491 ng  
RT: 7.43 min Scan# 909  
Delta R.T. -0.02 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 46.2  | 36.1 | 54.1  |       |
| 54      | 53.5  | 41.4 | 62.2  |       |

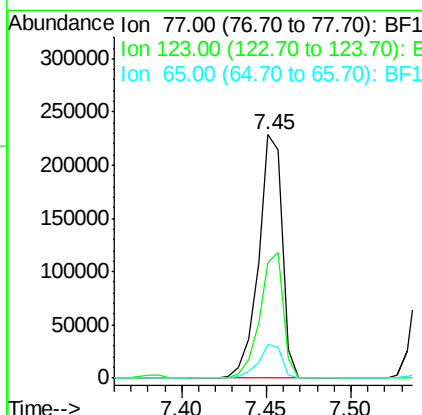
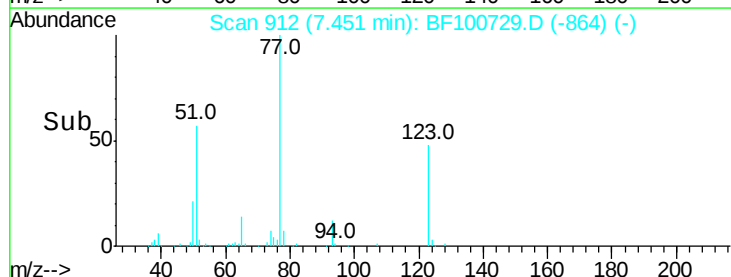
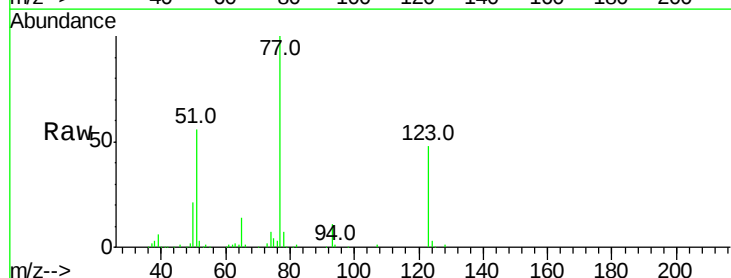
Manual Integrations  
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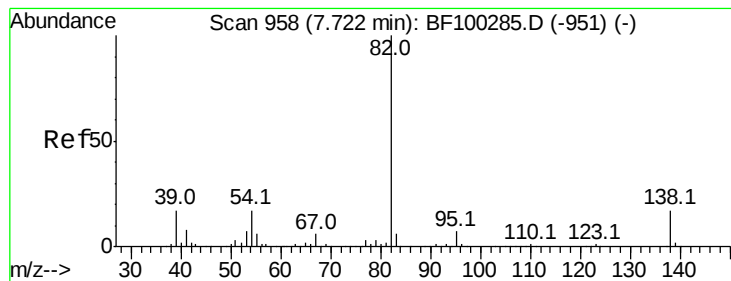
SOHIL  
11/21/2017 2:15:12 PM



#24  
Nitrobenzene  
Concen: 39.180 ng  
RT: 7.45 min Scan# 912  
Delta R.T. -0.02 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 47.8  | 37.9 | 56.9  |       |
| 65      | 13.8  | 11.0 | 16.4  |       |





#25

Isophorone

Concen: 35.006 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

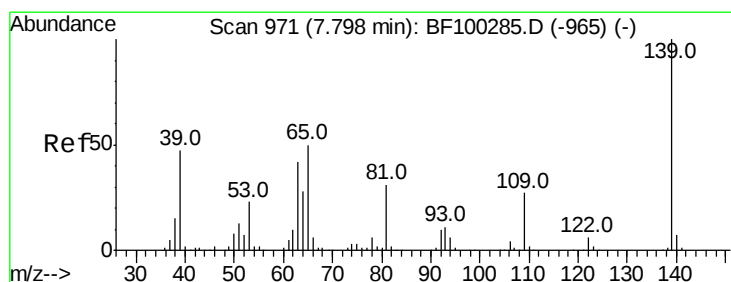
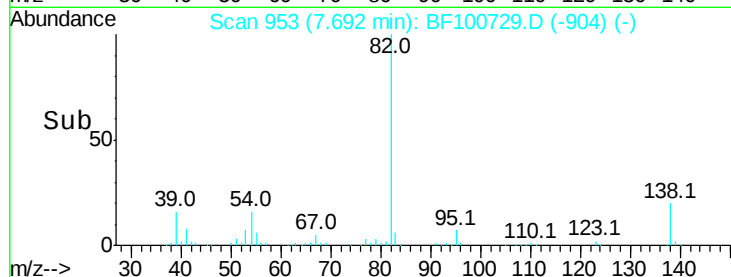
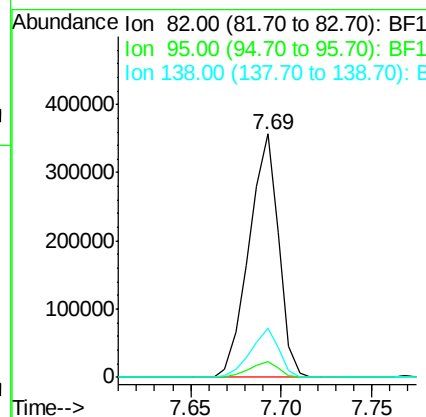
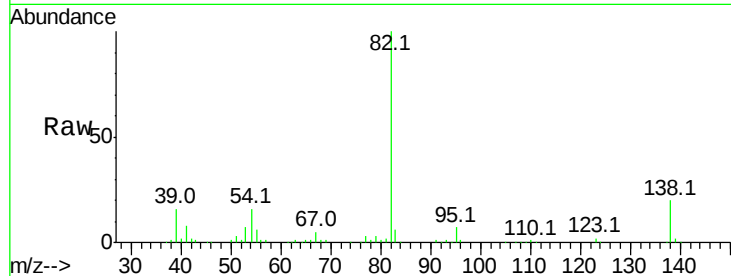
ClientSampleId :

IDOC-SOIL-03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 404375 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.6   | 5.2   | 7.8    |
| 138       | 20.0  | 14.9  | 22.3   |

Manual Integrations  
APPROVED

SOHIL  
11/21/2017 2:15:12 PM



#26

2-Nitrophenol

Concen: 46.554 ng

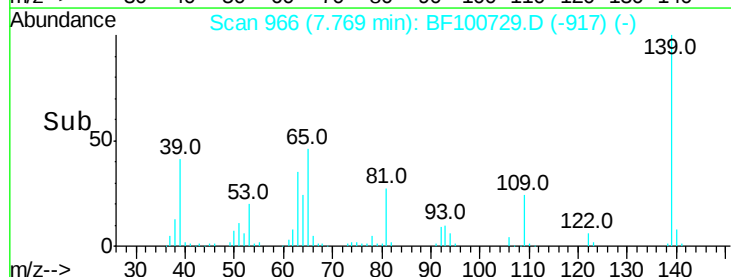
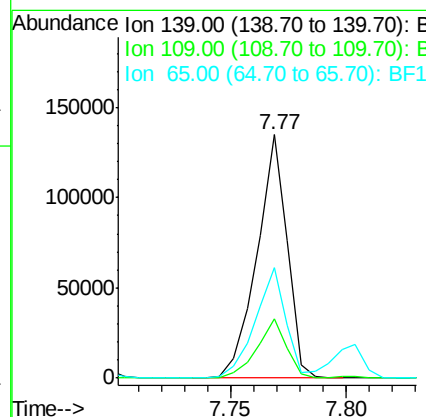
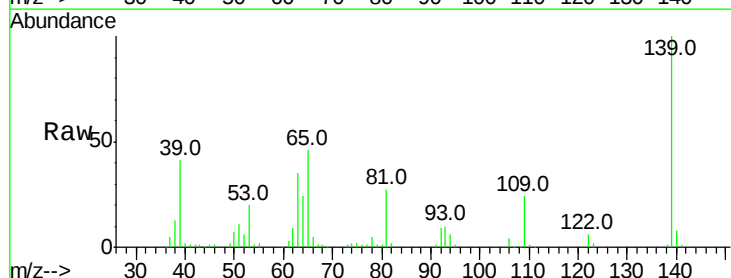
RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 123011 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 24.4  | 22.7  | 34.1   |
| 65        | 45.5  | 40.5  | 60.7   |





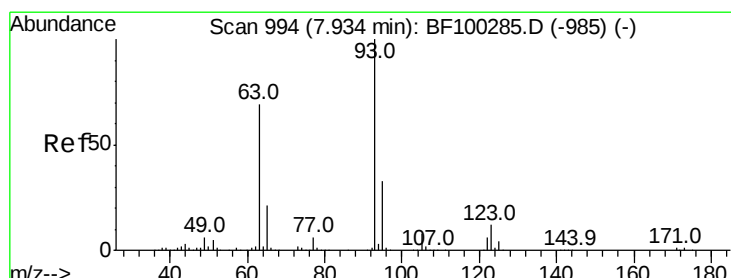
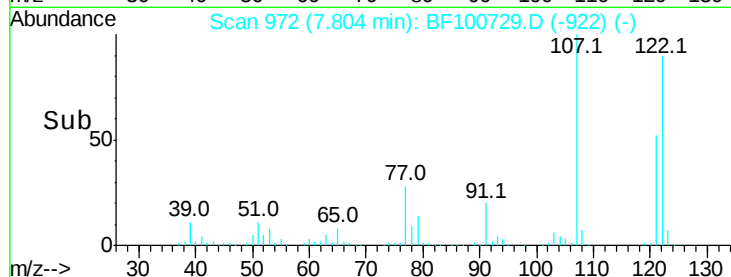
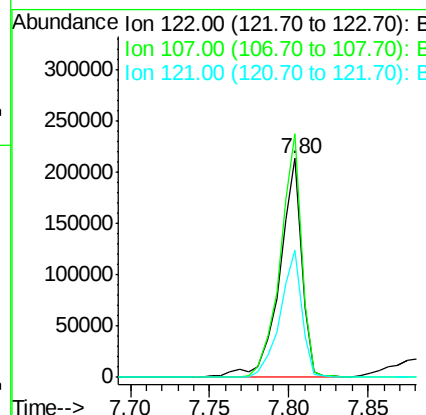
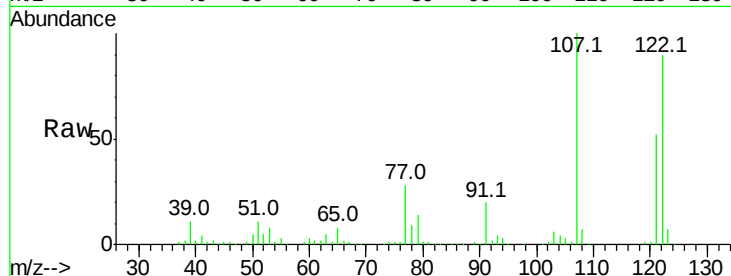
#27  
2,4-Dimethylphenol  
Concen: 40.263 ng  
RT: 7.80 min Scan# 972  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 111.1 | 91.2  | 136.8 |
| 121     | 58.3  | 47.2  | 70.8  |

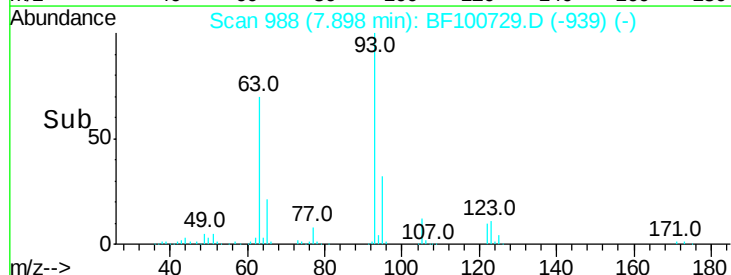
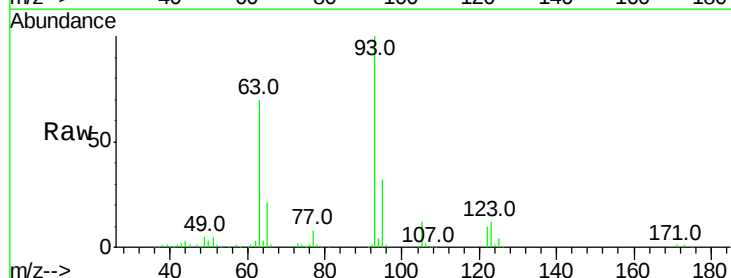
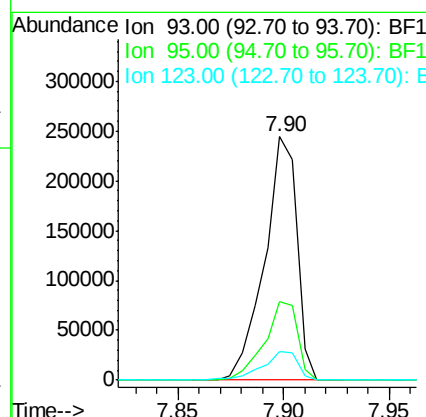
Manual Integrations  
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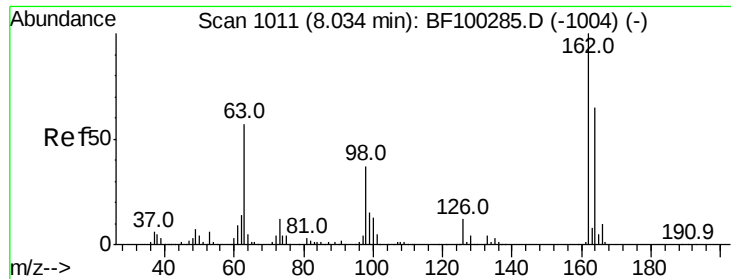
SOHIL  
11/21/2017 2:15:12 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 34.431 ng  
RT: 7.90 min Scan# 988  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.2  | 26.3  | 39.5  |
| 123     | 11.6  | 9.8   | 14.6  |





#29

2,4-Dichlorophenol

Concen: 39.979 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

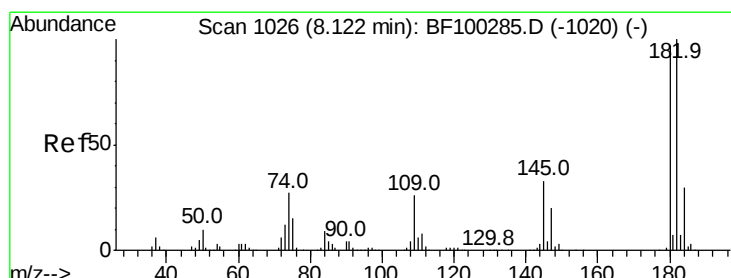
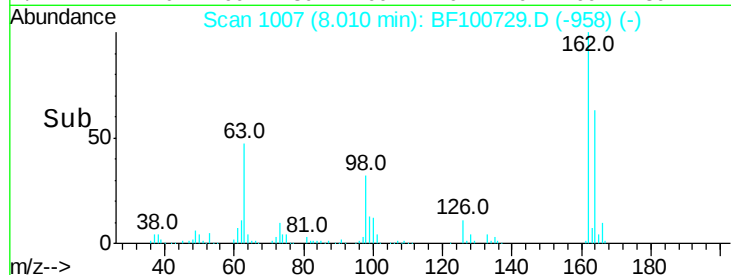
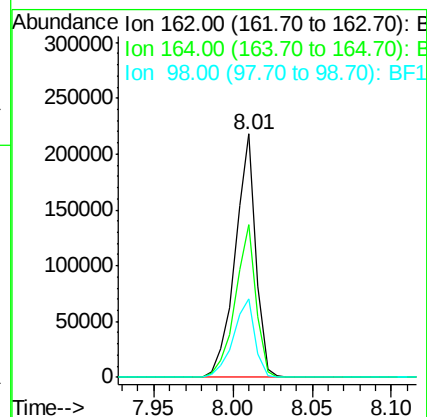
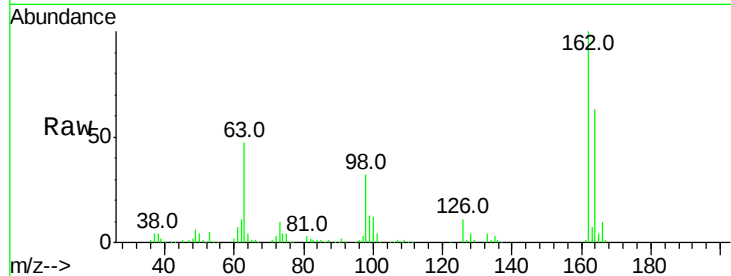
ClientSampleId :

IDOC-SOIL-03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 197636 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 62.6  | 42.7  | 82.7   |
| 98        | 32.4  | 18.1  | 58.1   |

Manual Integrations  
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#30

1,2,4-Trichlorobenzene

Concen: 38.958 ng

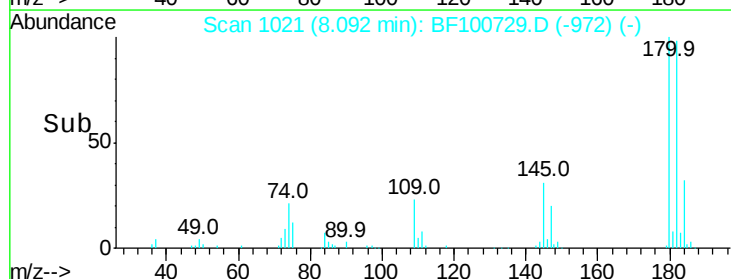
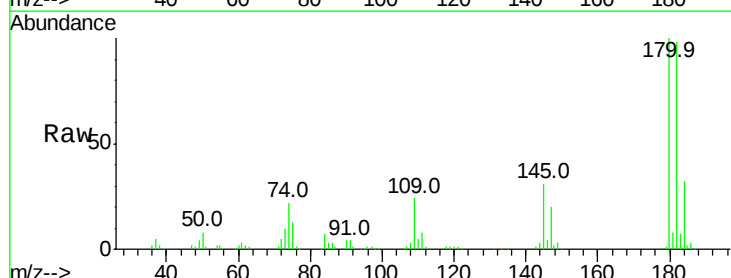
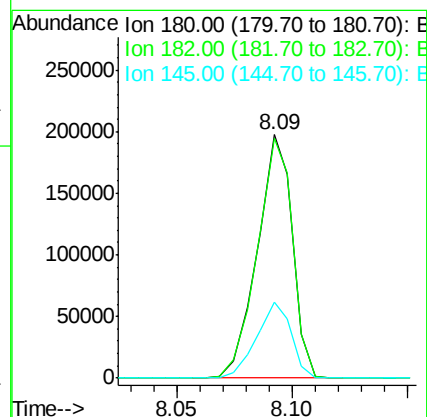
RT: 8.09 min Scan# 1021

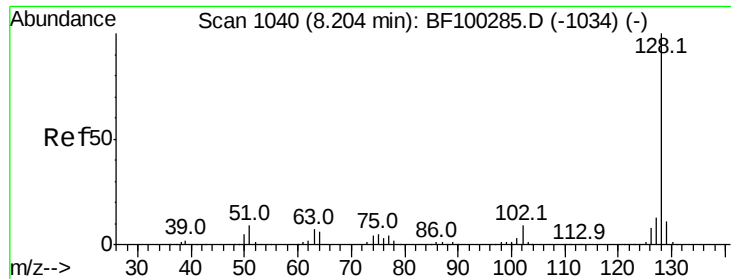
Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 208321 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 98.3  | 76.8  | 115.2  |
| 145       | 31.2  | 26.5  | 39.7   |





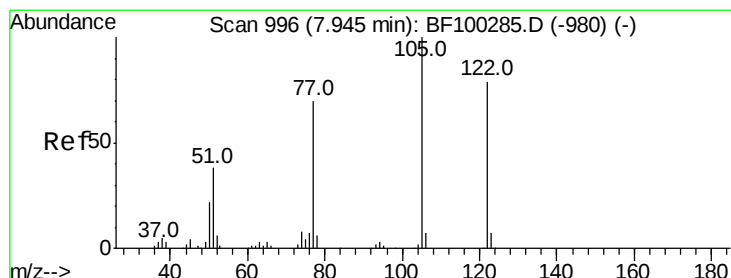
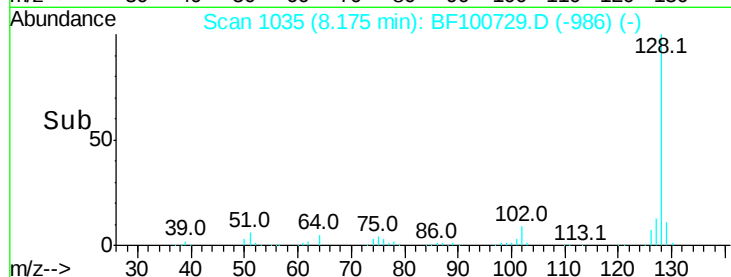
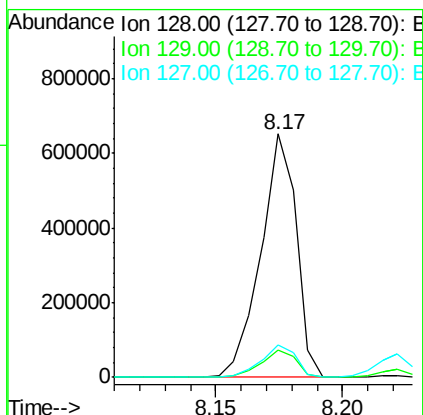
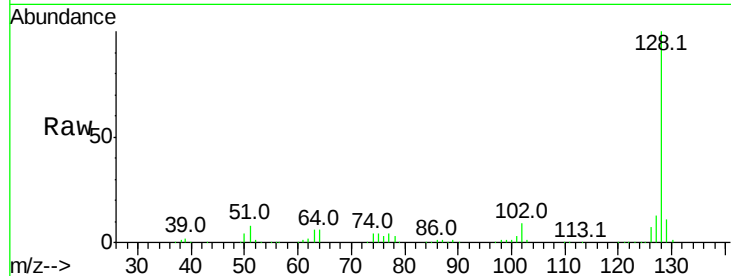
#31  
Naphthalene  
Concen: 36.655 ng  
RT: 8.17 min Scan# 1035  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.3  | 8.8   | 13.2  |
| 127     | 13.2  | 10.9  | 16.3  |

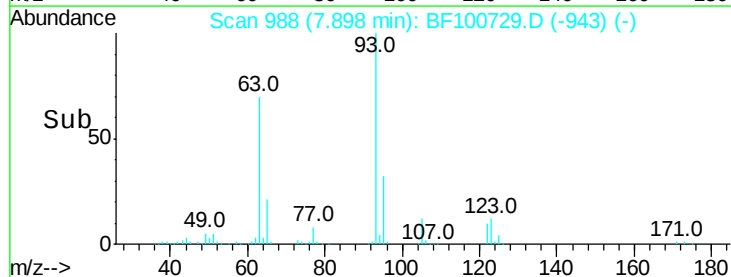
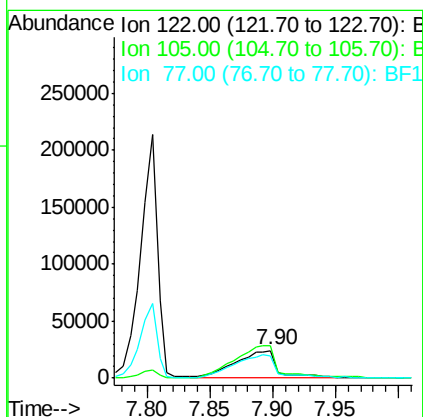
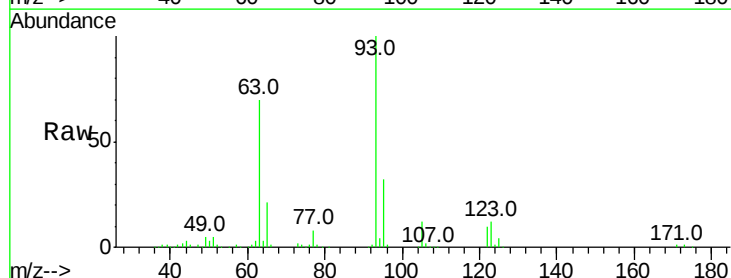
Manual Integrations  
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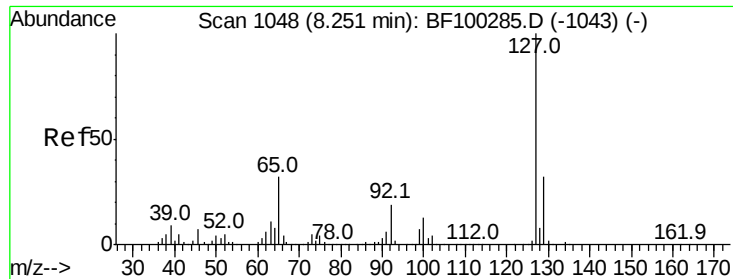
SOHIL  
11/21/2017 2:15:12 PM



#32  
Benzoic acid  
Concen: 21.108 ng m  
RT: 7.90 min Scan# 988  
Delta R.T. -0.04 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 115.2 | 101.1 | 141.1 |
| 77      | 80.3  | 70.7  | 110.7 |





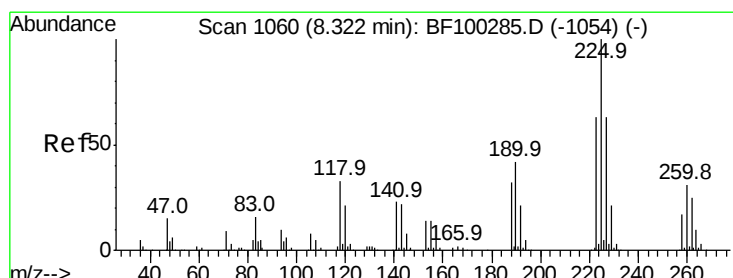
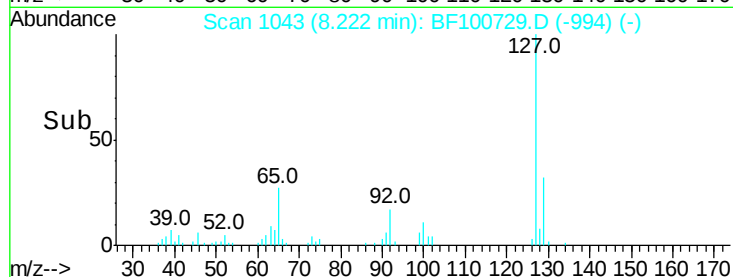
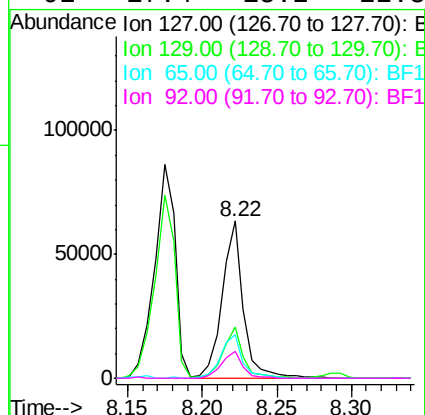
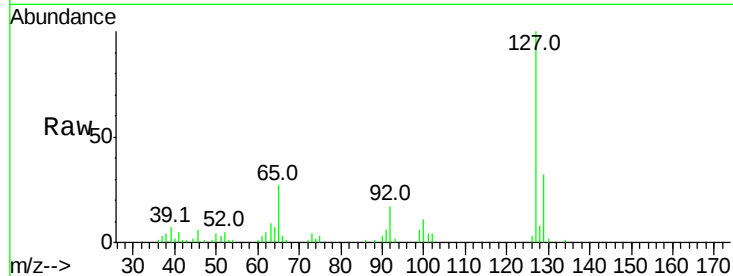
#33  
 4-Chloroaniline  
 Concen: 8.695 ng  
 RT: 8.22 min Scan# 1043  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.4  | 25.9  | 38.9  |
| 65      | 27.4  | 25.0  | 37.4  |
| 92      | 17.4  | 15.2  | 22.8  |

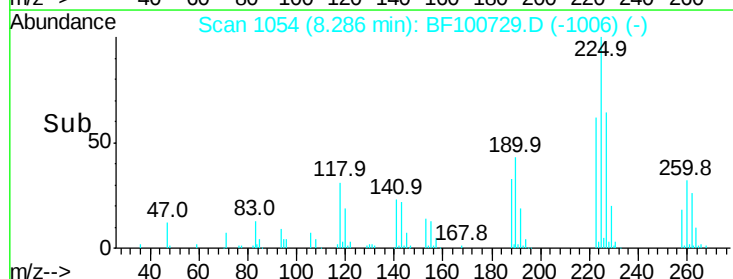
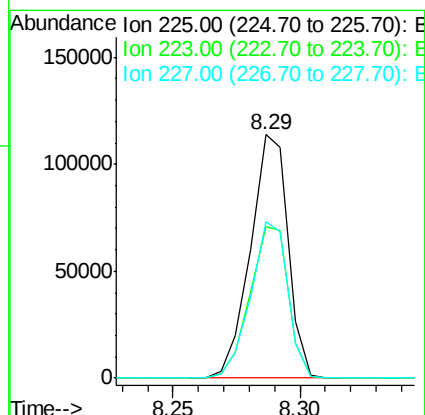
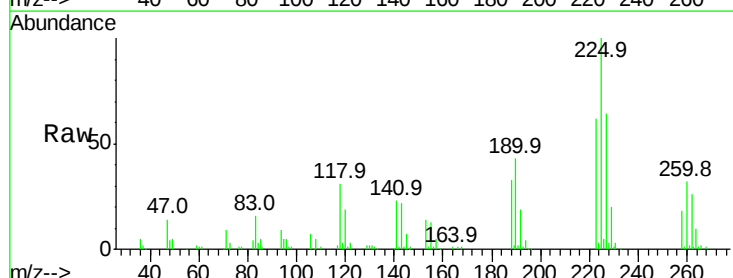
Manual Integrations  
 APPROVED

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 11/21/2017 2:15:12 PM



#34  
 Hexachlorobutadiene  
 Concen: 36.978 ng  
 RT: 8.29 min Scan# 1054  
 Delta R.T. -0.02 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.4  | 50.6  | 76.0  |
| 227     | 64.1  | 51.9  | 77.9  |





#35

Caprolactam

Concen: 30.841 ng/mL

RT: 8.59 min Scan# 1106

Delta R.T. -0.02 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

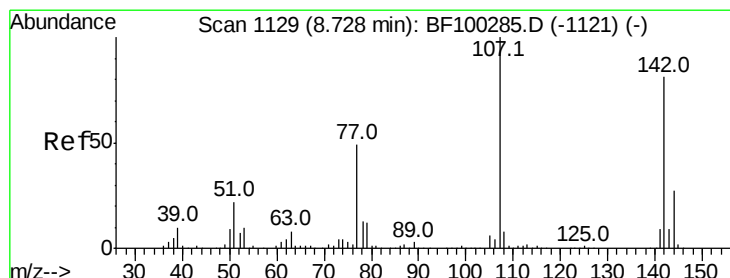
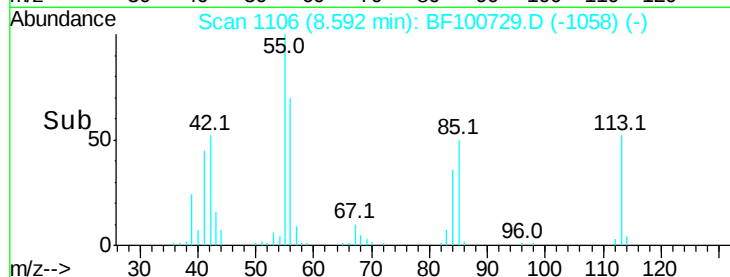
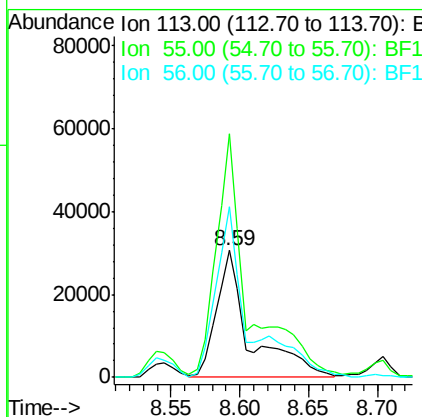
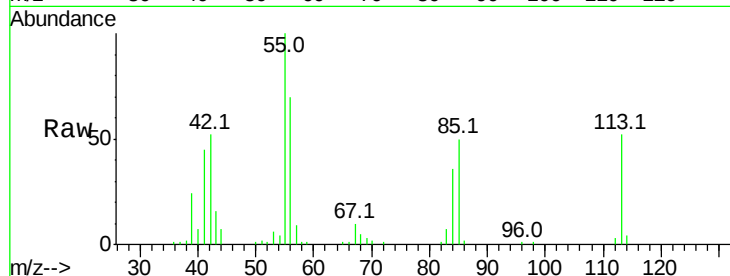
ClientSampleId :

IDOC-SOIL-03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 52322 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 191.8 | 163.3 | 203.3 |
| 56        | 134.1 | 115.7 | 155.7 |

Manual Integrations  
APPROVED

SOHIL  
11/21/2017 2:15:12 PM



#36

4-Chloro-3-methylphenol

Concen: 36.386 ng/mL

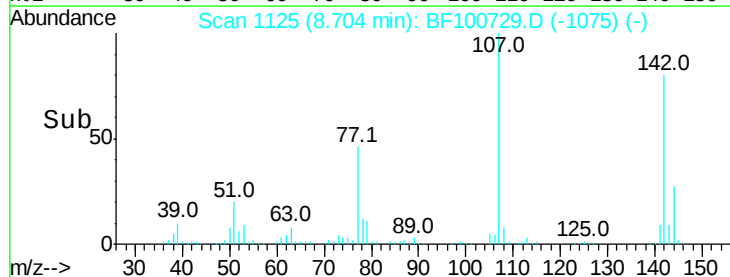
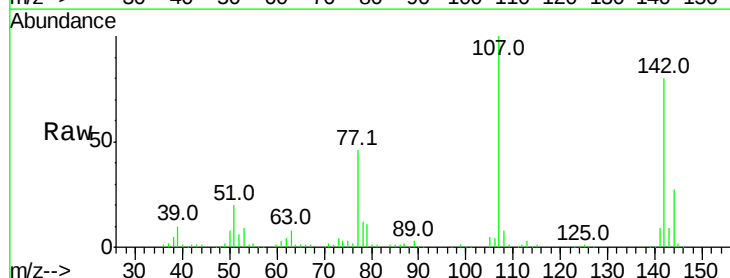
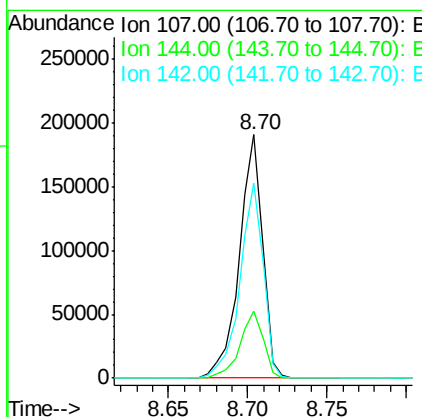
RT: 8.70 min Scan# 1125

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 193185 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 27.3  | 20.5  | 30.7   |
| 142       | 80.2  | 62.0  | 93.0   |





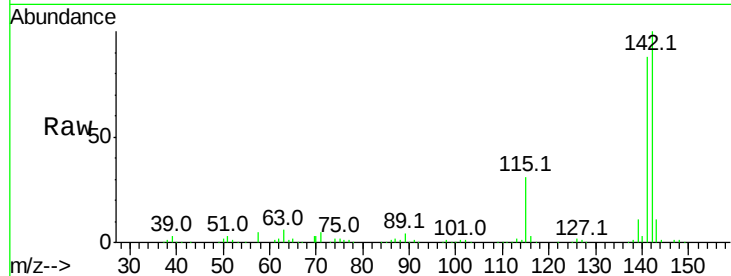
#37  
2-Methylnaphthalene  
Concen: 38.290 ng  
RT: 8.87 min Scan# 1153  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.1  | 70.8  | 106.2 |
| 115     | 30.7  | 26.1  | 39.1  |

Manual Integrations  
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SOHIL  
11/21/2017 2:15:12 PM

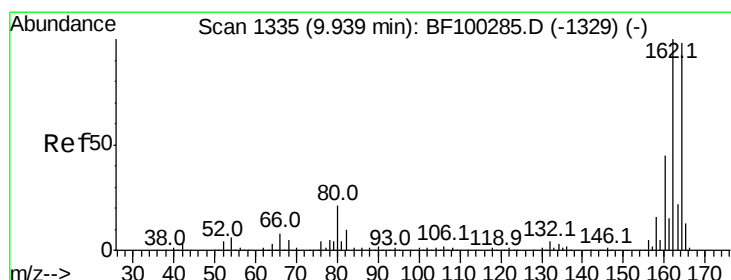
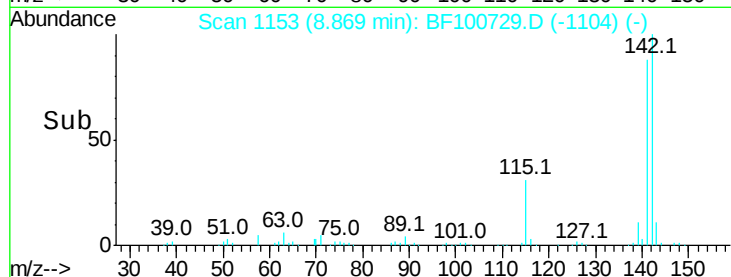
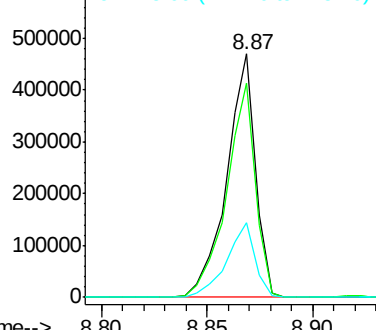


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.91 min Scan# 1330  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

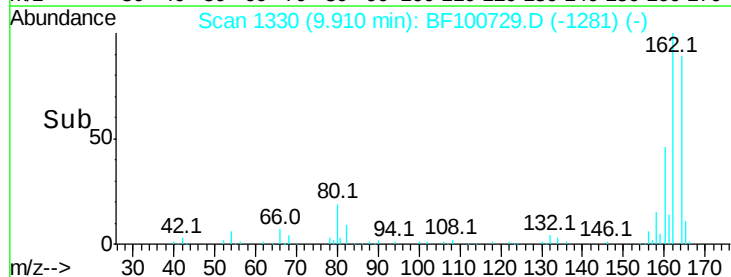
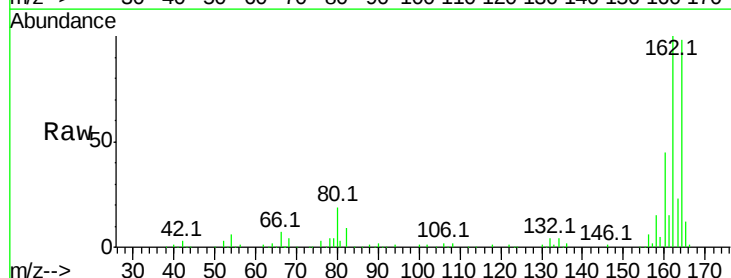
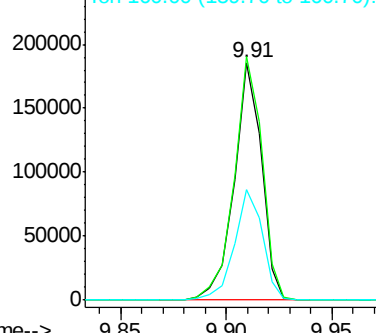
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.4 | 86.1  | 129.1 |
| 160     | 46.3  | 38.3  | 57.5  |

Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





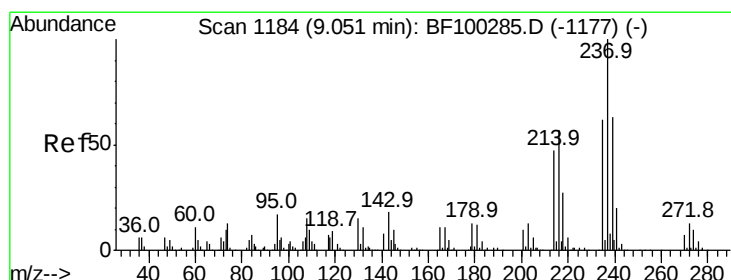
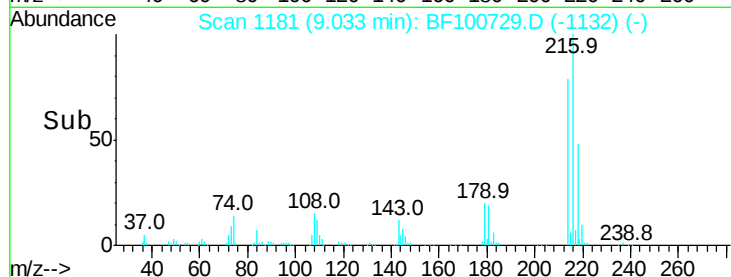
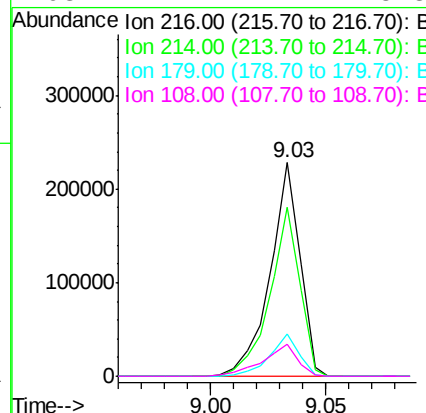
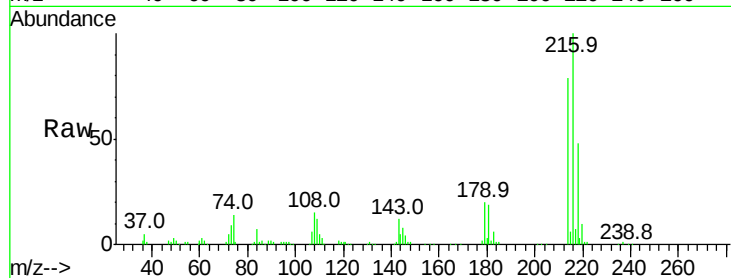
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 36.994 ng  
 RT: 9.03 min Scan# 1181  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 206088 |       |       |
| 214     | 78.4  | 63.0   | 94.4  |       |
| 179     | 19.6  | 18.1   | 27.1  |       |
| 108     | 17.4  | 17.2   | 25.8  |       |

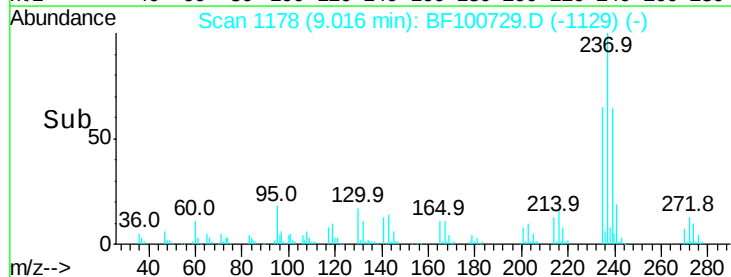
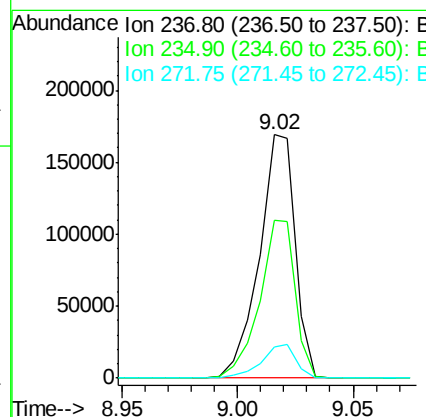
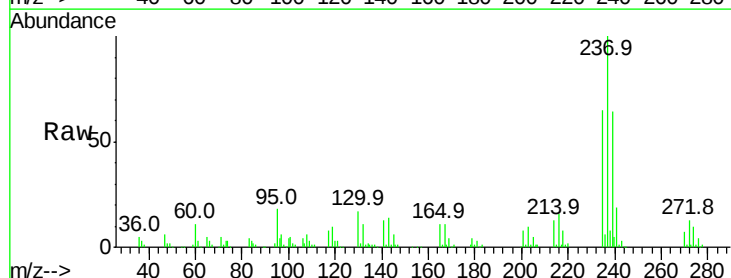
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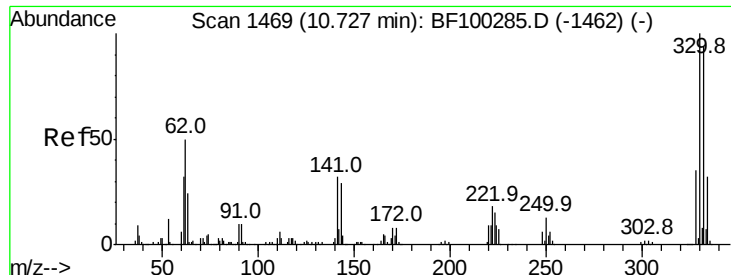
SOHIL  
 11/21/2017 2:15:12 PM



#40  
 Hexachlorocyclopentadiene  
 Concen: 70.024 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 183598 |       |       |
| 235     | 64.8  | 44.8   | 84.8  |       |
| 272     | 12.9  | 0.0    | 33.3  |       |





#41

2,4,6-Tribromophenol

Concen: 117.018 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

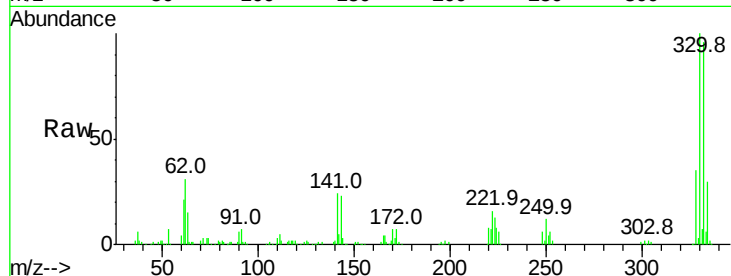
ClientSampleId :

IDOC-SOIL-03

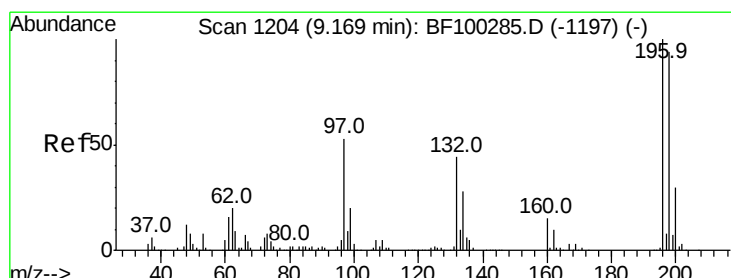
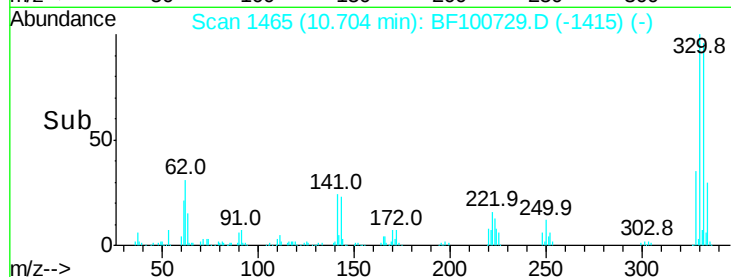
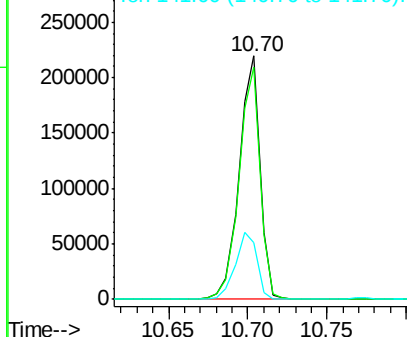
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 200295 |       |       |
| 332     | 96.4  | 77.0   | 115.6 |       |
| 141     | 28.8  | 29.9   | 44.9# |       |

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



#42

2,4,6-Trichlorophenol

Concen: 40.940 ng

RT: 9.15 min Scan# 1200

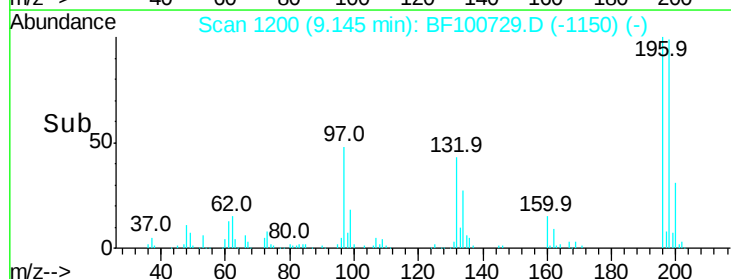
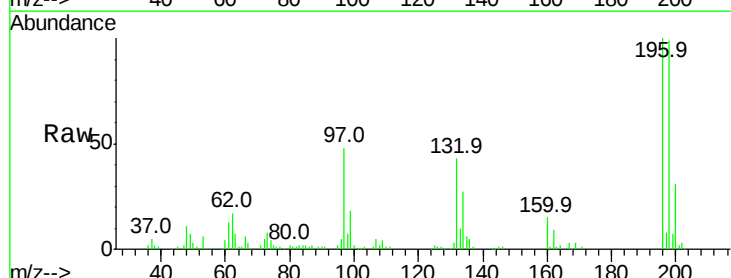
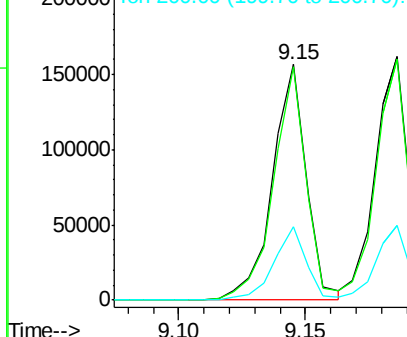
Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 144547 |       |       |
| 198     | 98.7  | 75.7   | 113.5 |       |
| 200     | 31.4  | 24.5   | 36.7  |       |

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





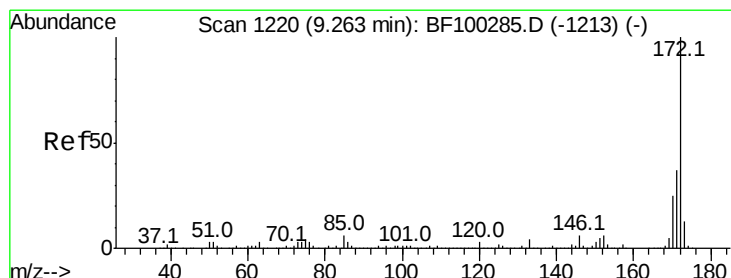
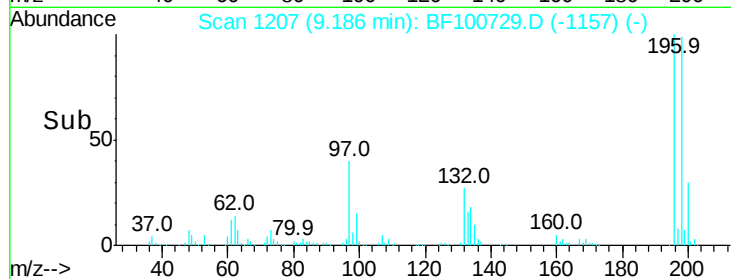
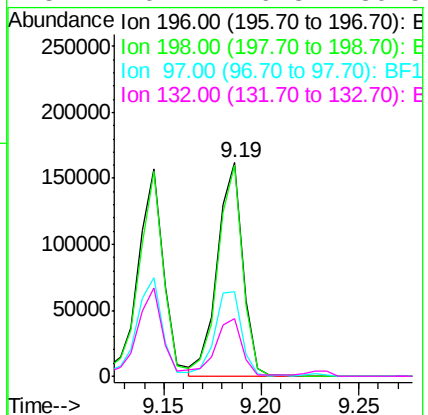
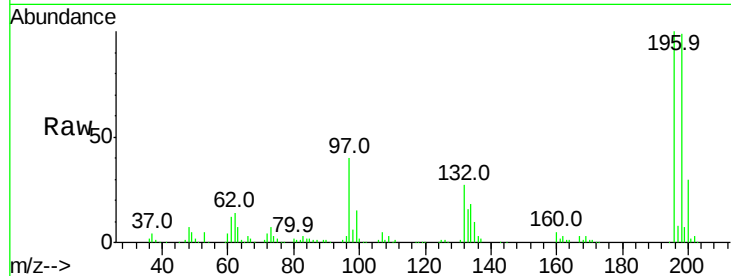
#43  
2,4,5-Trichlorophenol  
Concen: 40.160 ng  
RT: 9.19 min Scan# 1207  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 146910 |       |       |
| 198     | 98.8  | 74.6   | 112.0 |       |
| 97      | 39.7  | 42.9   | 64.3  |       |
| 132     | 26.7  | 26.3   | 39.5  |       |

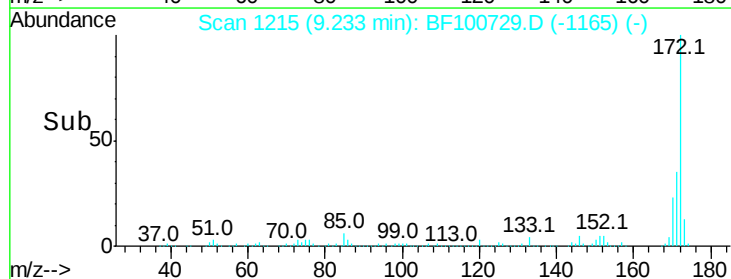
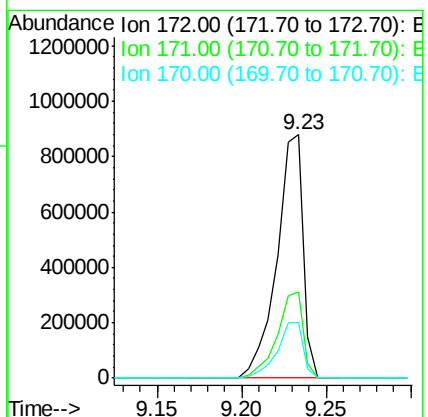
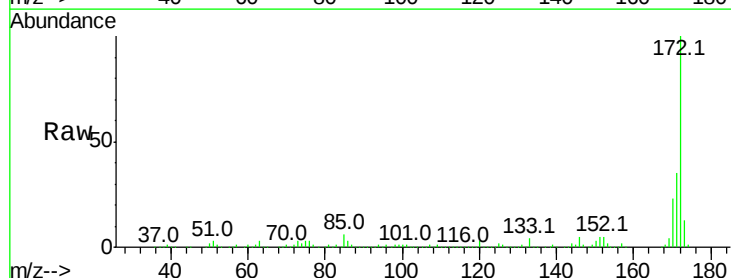
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#44  
2-Fluorobiphenyl  
Concen: 86.049 ng  
RT: 9.23 min Scan# 1215  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 949227 |       |       |
| 171     | 35.5  | 29.7   | 44.5  |       |
| 170     | 23.0  | 19.6   | 29.4  |       |





#45

1,1'-Biphenyl

Concen: 36.523 ng

RT: 9.33 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

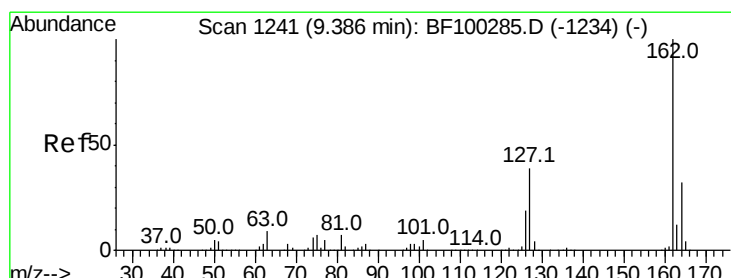
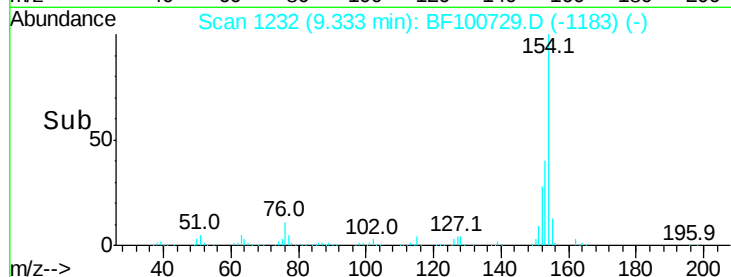
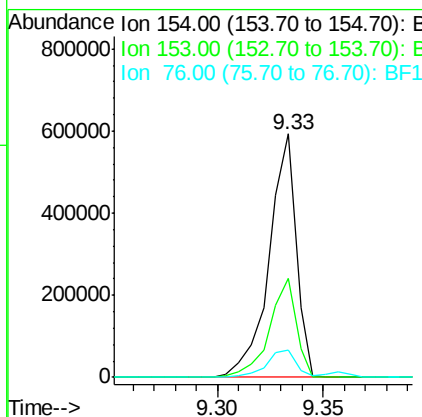
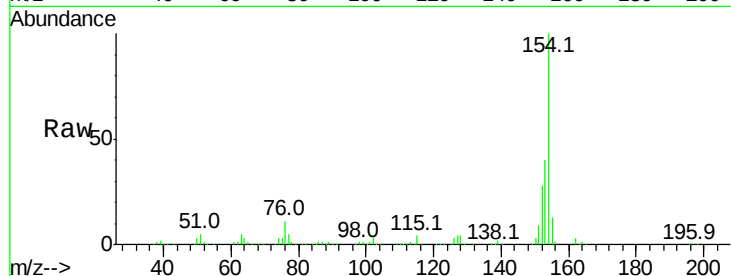
ClientSampleId :

IDOC-SOIL-03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 530604 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.5  | 21.3  | 61.3   |
| 76        | 11.0  | 0.0   | 34.0   |

Manual Integrations  
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#46

2-Chloronaphthalene

Concen: 39.415 ng

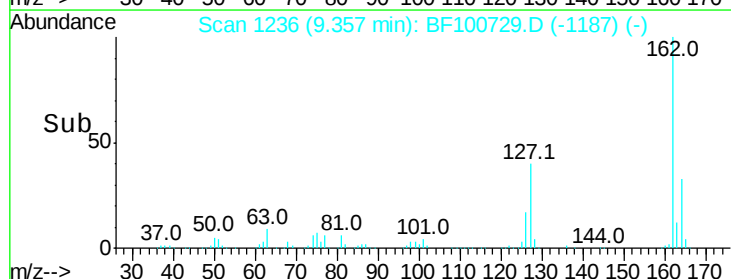
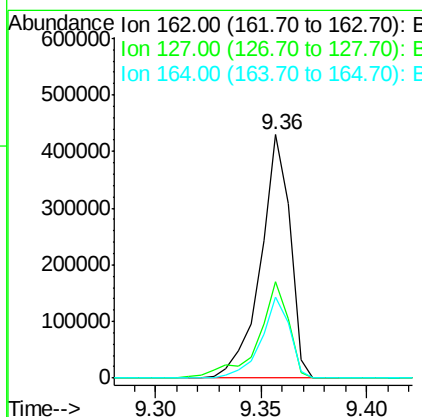
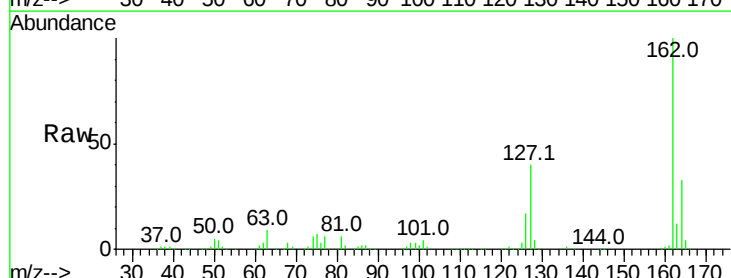
RT: 9.36 min Scan# 1236

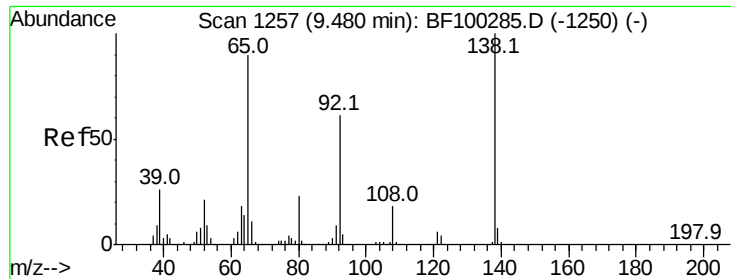
Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 415418 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 39.5  | 33.9  | 50.9   |
| 164       | 33.1  | 26.5  | 39.7   |





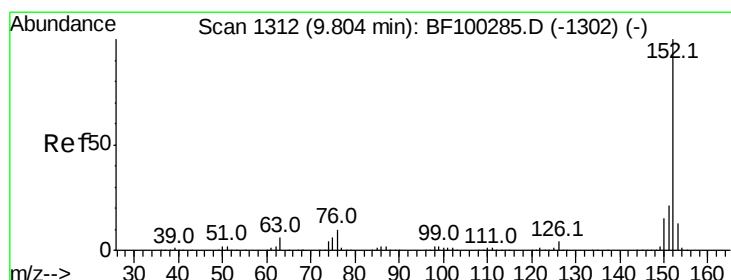
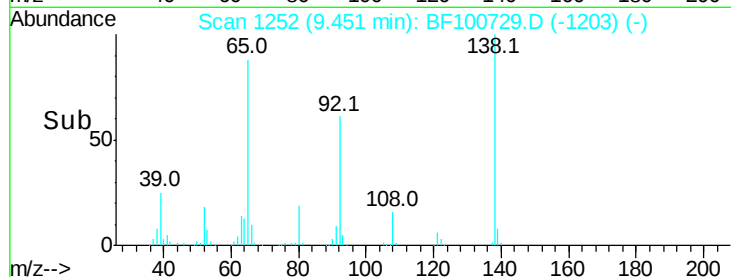
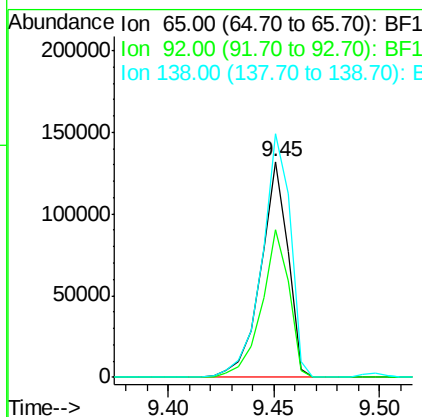
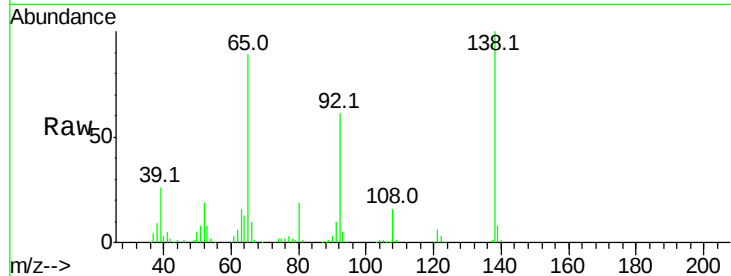
#47  
2-Nitroaniline  
Concen: 38.723 ng  
RT: 9.45 min Scan# 1252  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 68.4  | 55.8  | 83.6  |
| 138     | 112.8 | 91.2  | 136.8 |

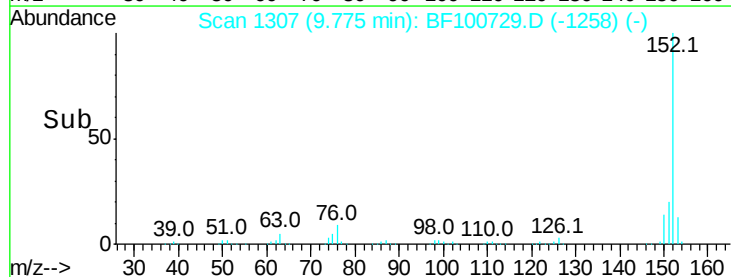
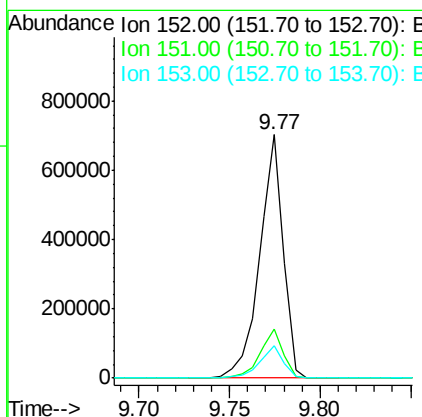
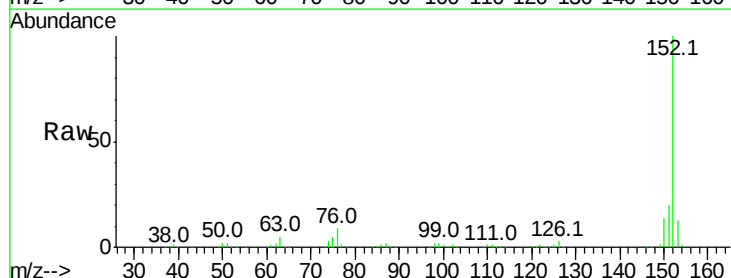
Manual Integrations  
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#48  
Acenaphthylene  
Concen: 36.228 ng  
RT: 9.77 min Scan# 1307  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.2  | 16.3  | 24.5  |
| 153     | 13.2  | 10.7  | 16.1  |





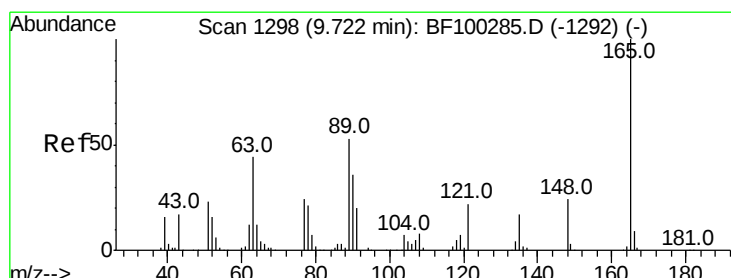
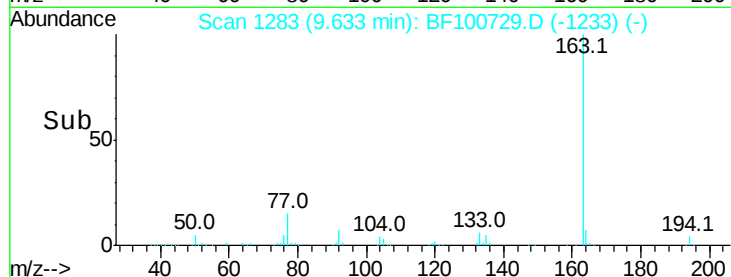
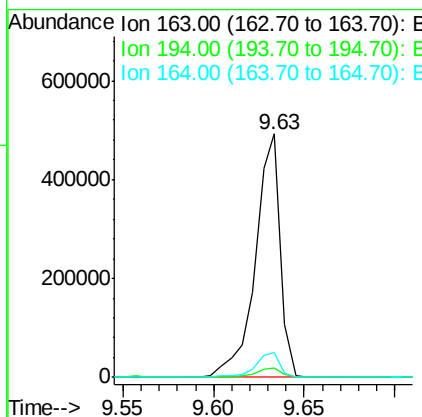
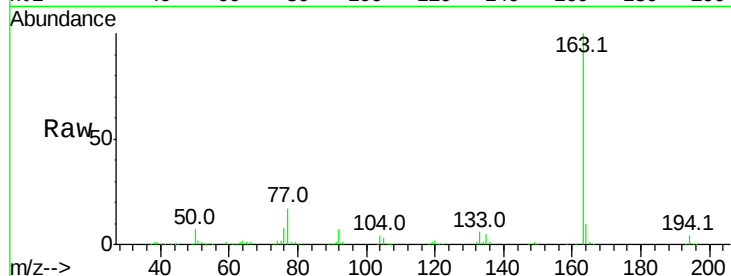
#49  
Dimethylphthalate  
Concen: 36.655 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 163     | 100   |      |       |       |
| 194     | 3.9   | 2.7  | 4.1   |       |
| 164     | 10.1  | 8.2  | 12.2  |       |

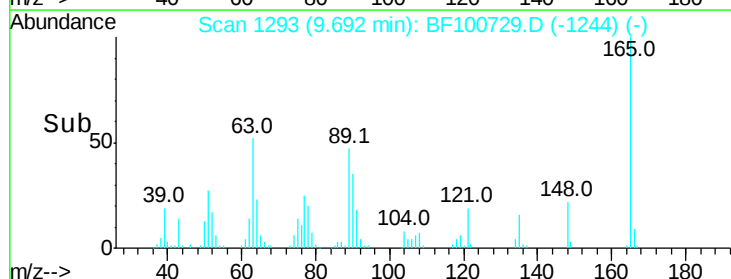
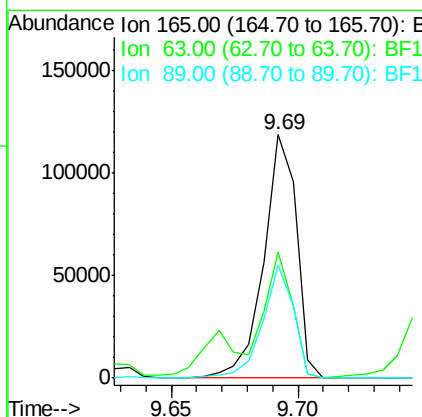
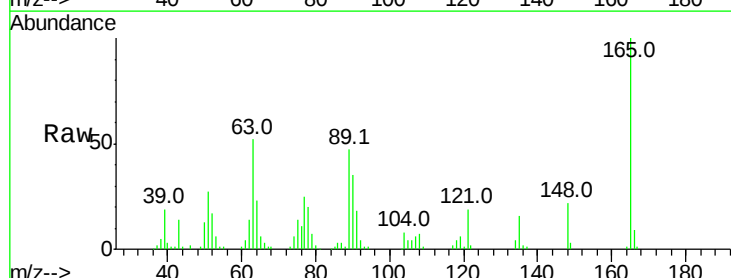
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#50  
2,6-Dinitrotoluene  
Concen: 42.473 ng  
RT: 9.69 min Scan# 1293  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 51.9  | 44.7 | 67.1  |       |
| 89      | 46.6  | 44.0 | 66.0  |       |





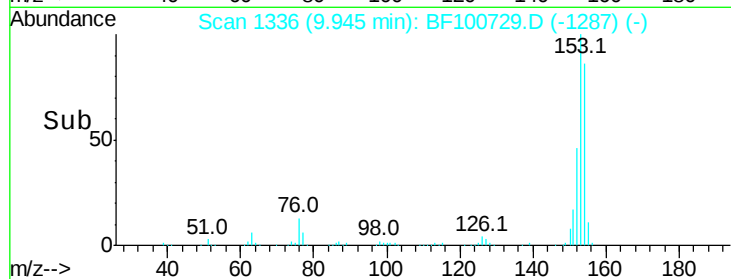
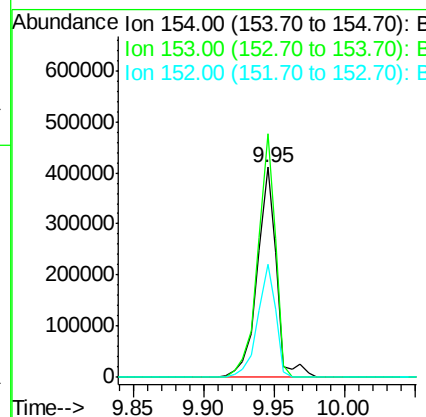
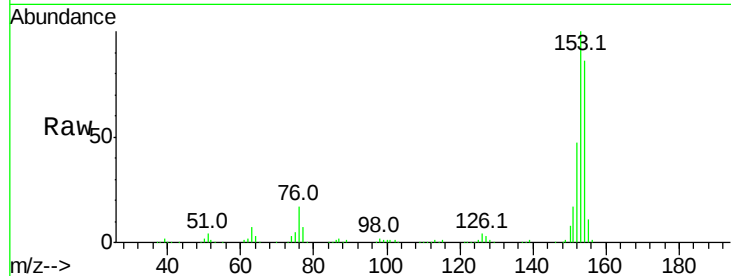
#51  
Acenaphthene  
Concen: 36.936 ng  
RT: 9.95 min Scan# 1336  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 116.0 | 91.2  | 136.8 |
| 152     | 54.1  | 43.8  | 65.8  |

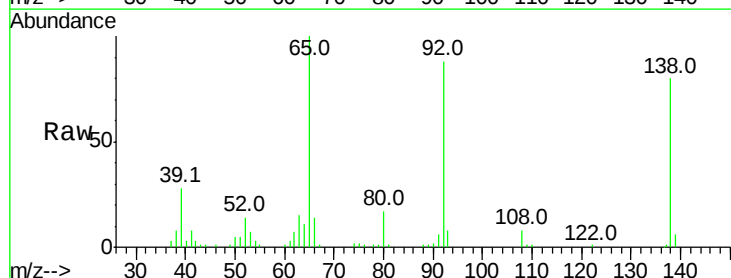
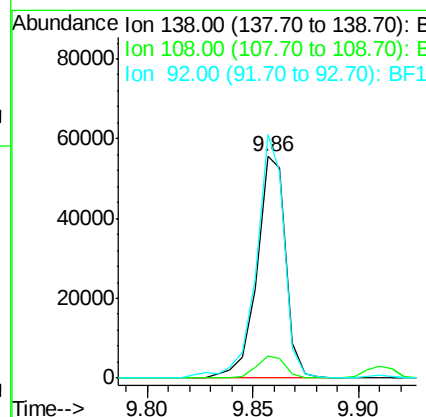
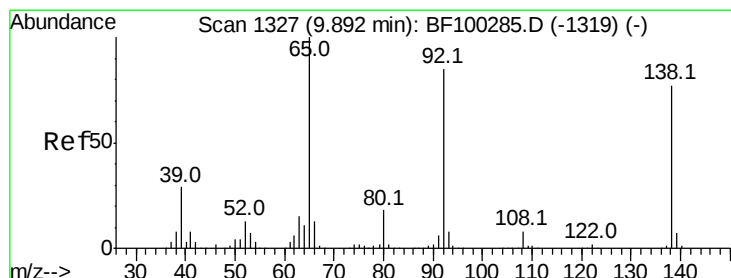
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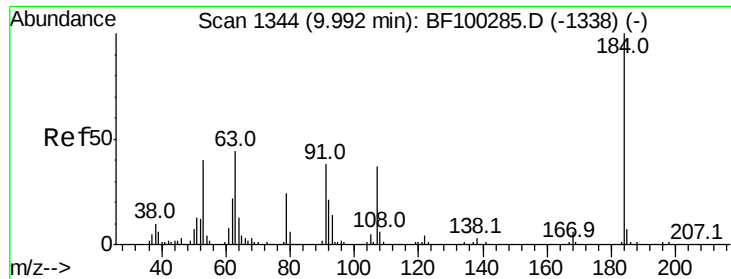
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#52  
3-Nitroaniline  
Concen: 17.502 ng  
RT: 9.86 min Scan# 1321  
Delta R.T. -0.02 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.8   | 9.4   | 14.0  |
| 92      | 109.8 | 89.4  | 134.2 |





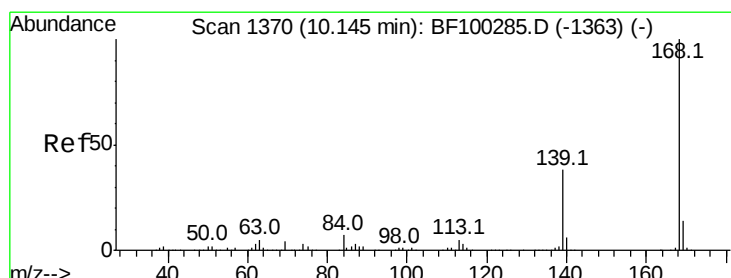
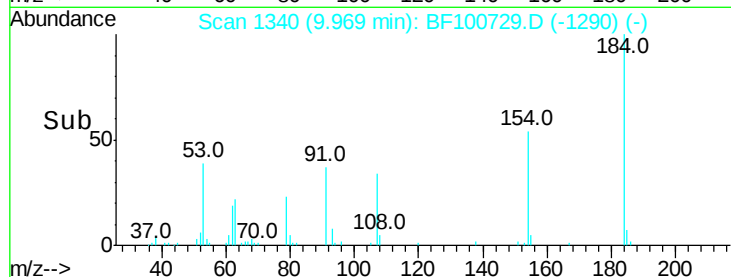
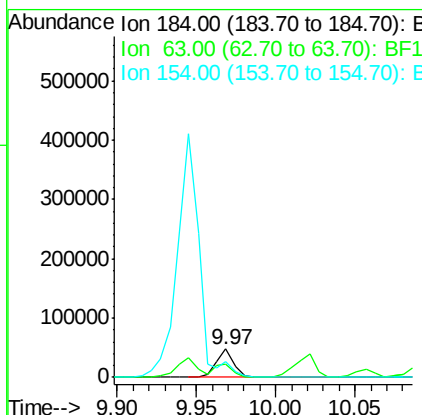
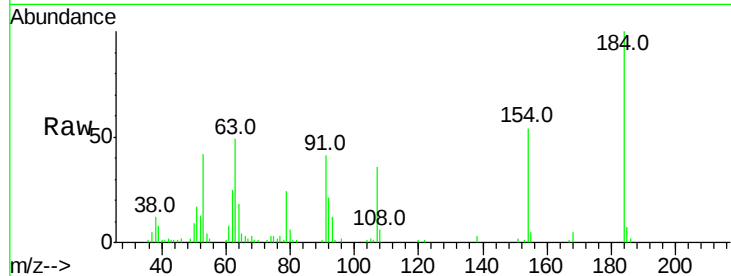
#53  
2,4-Dinitrophenol  
Concen: 44.889 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 48.5  | 54.2  | 81.2#  |
| 154     | 54.1  | 184.0 | 276.0# |

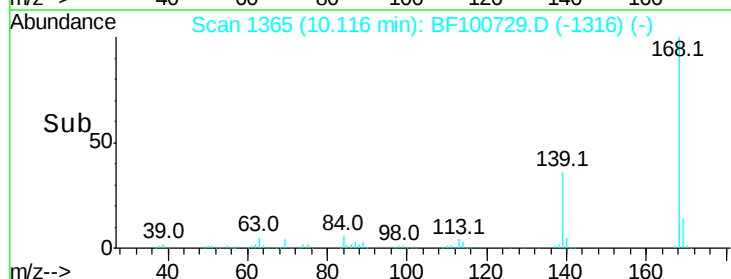
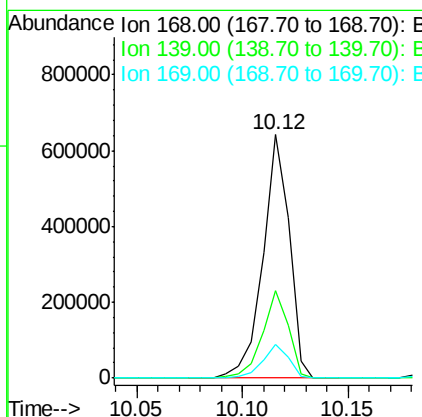
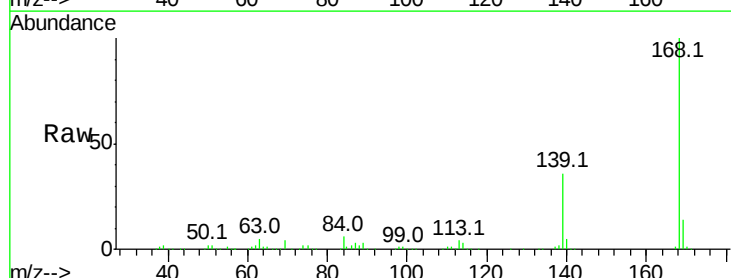
Manual Integrations  
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#54  
Dibenzofuran  
Concen: 37.499 ng  
RT: 10.12 min Scan# 1365  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 36.0  | 30.1  | 45.1  |
| 169     | 14.1  | 10.9  | 16.3  |





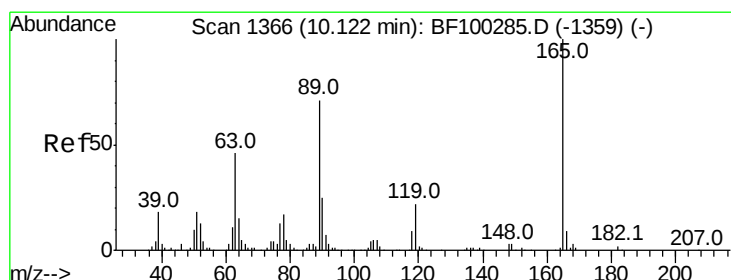
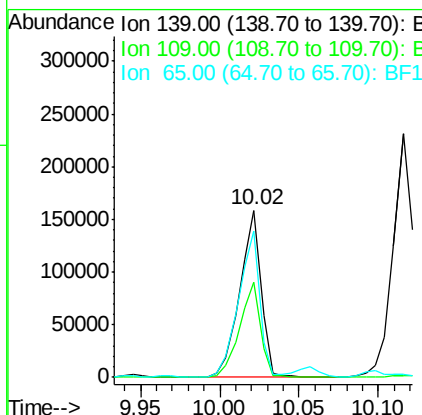
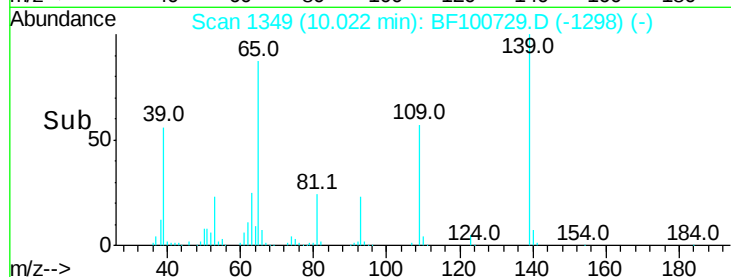
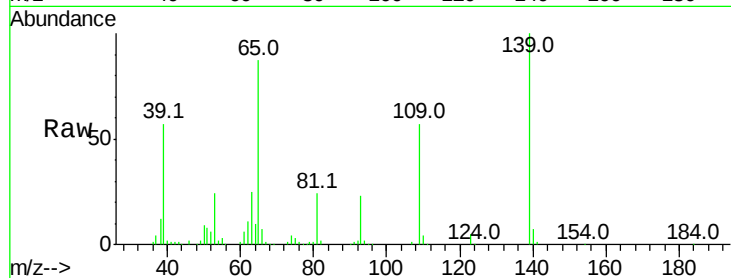
#55  
4-Nitrophenol  
Concen: 61.187 ng  
RT: 10.02 min Scan# 1349  
Delta R.T. -0.00 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 57.3  | 48.4  | 88.4  |
| 65      | 87.3  | 72.6  | 112.6 |

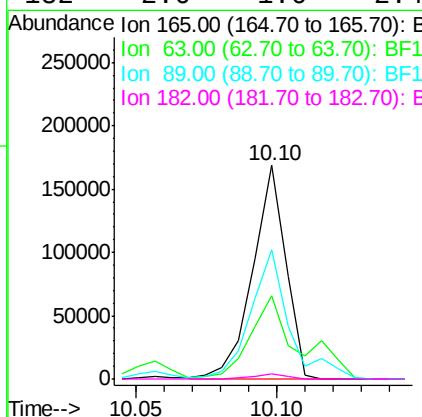
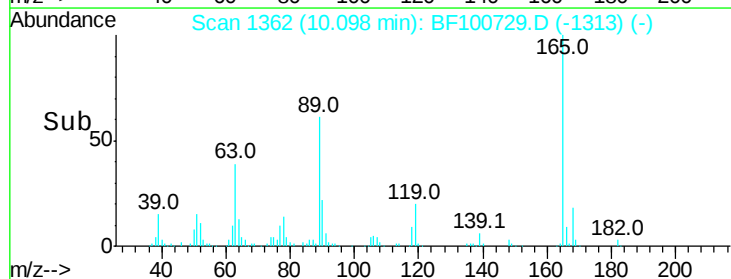
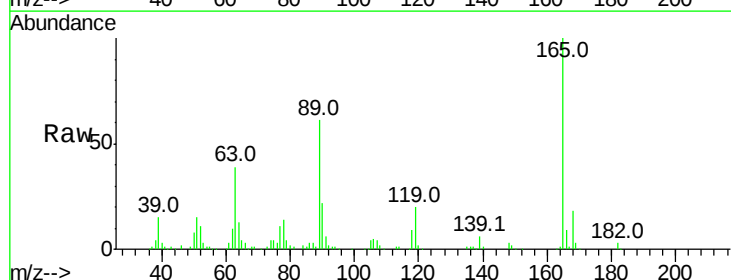
Manual Integrations  
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#56  
2,4-Dinitrotoluene  
Concen: 43.002 ng  
RT: 10.10 min Scan# 1362  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 38.7  | 36.4  | 54.6  |
| 89      | 60.6  | 57.8  | 86.6  |
| 182     | 2.6   | 1.6   | 2.4#  |





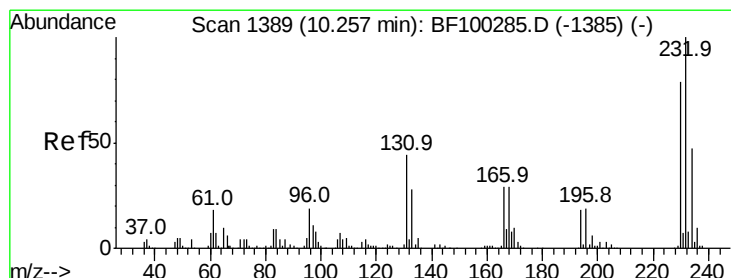
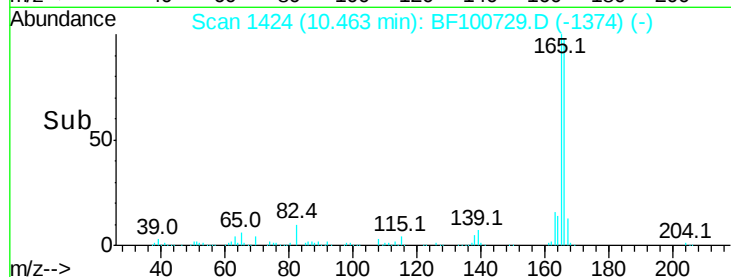
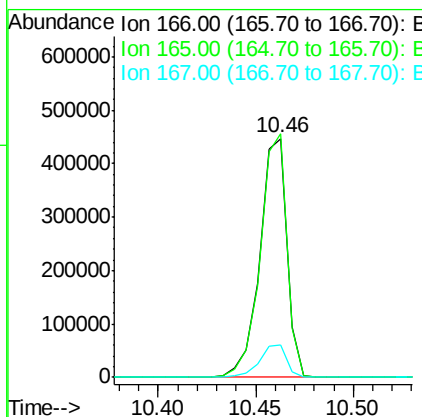
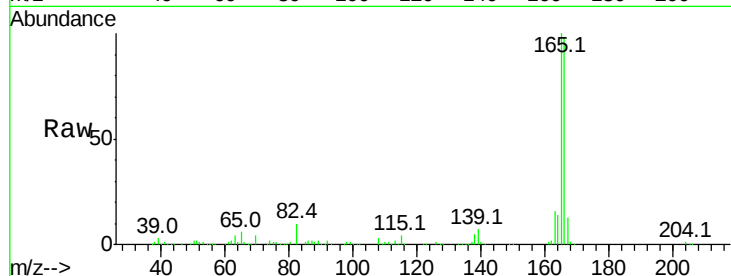
#57  
**Fluorene**  
 Concen: 39.386 ng  
 RT: 10.46 min Scan# 1424  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-03

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 102.0 | 79.8 | 119.8 |       |
| 167     | 13.3  | 10.6 | 16.0  |       |

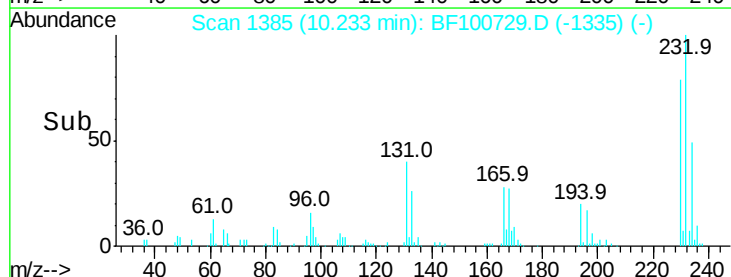
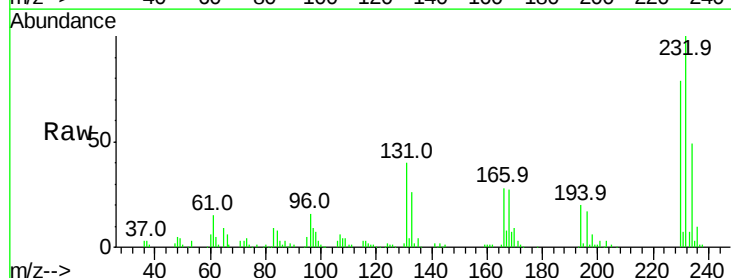
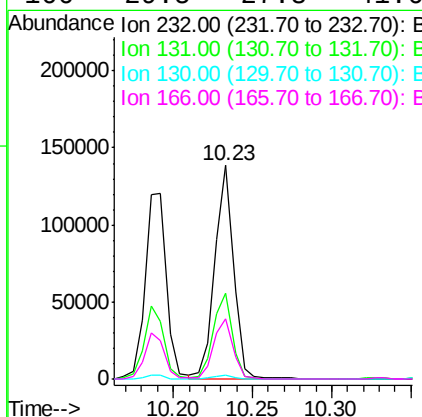
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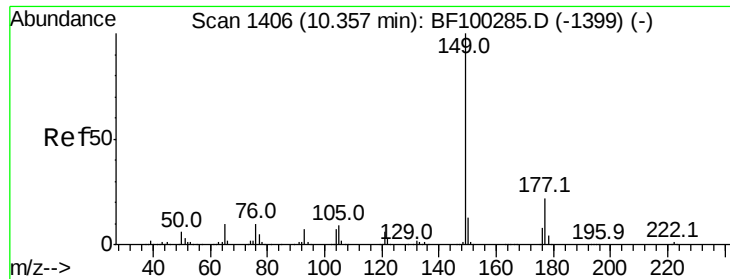
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#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 38.282 ng  
 RT: 10.23 min Scan# 1385  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 232     | 100   |      |       |       |
| 131     | 40.8  | 43.8 | 65.8# |       |
| 130     | 1.9   | 2.1  | 3.1#  |       |
| 166     | 29.5  | 27.8 | 41.6  |       |





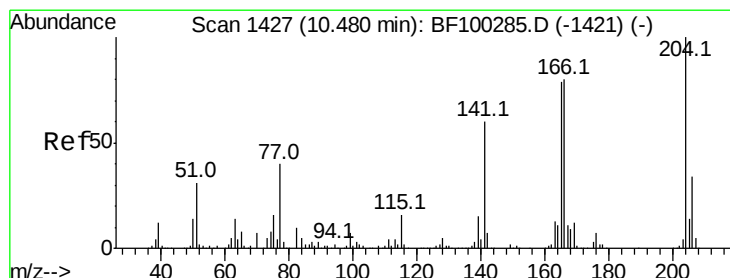
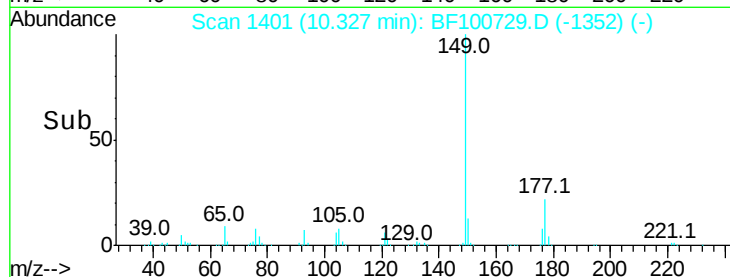
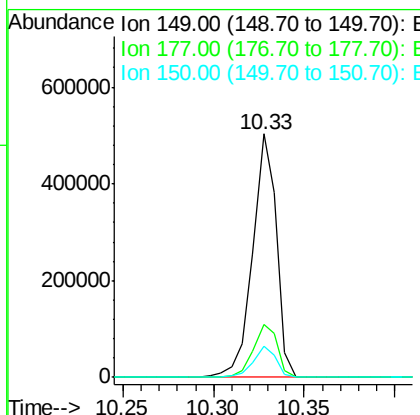
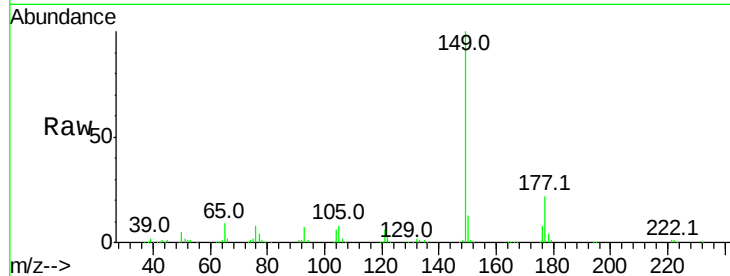
#59  
Diethylphthalate  
Concen: 35.581 ng  
RT: 10.33 min Scan# 1401  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 177     | 21.9  | 16.1 | 24.1  |       |
| 150     | 12.5  | 10.1 | 15.1  |       |

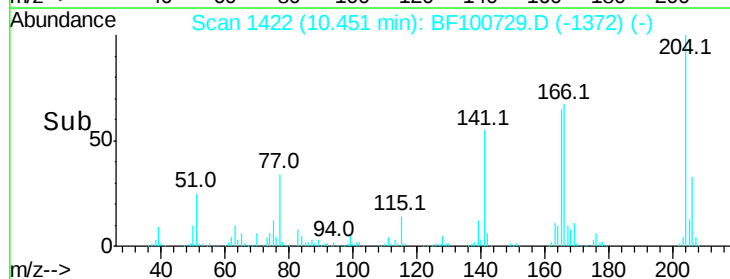
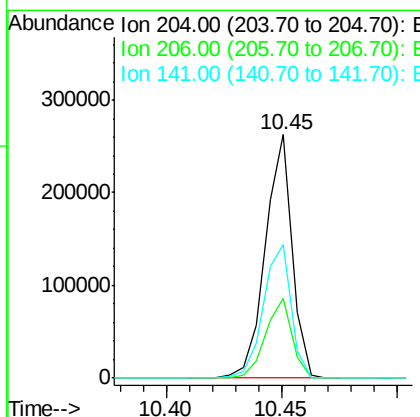
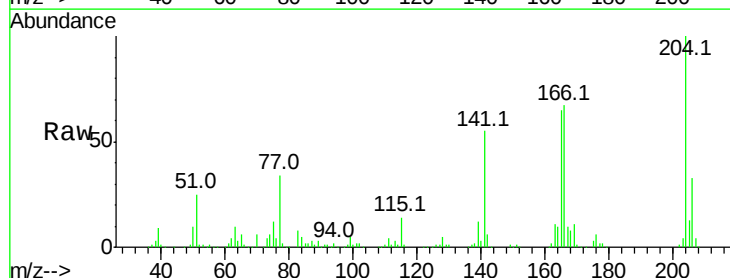
Manual Integrations  
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#60  
4-Chlorophenyl-phenylether  
Concen: 39.515 ng  
RT: 10.45 min Scan# 1422  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 204     | 100   |      |       |       |
| 206     | 32.7  | 26.5 | 39.7  |       |
| 141     | 54.8  | 54.6 | 81.8  |       |





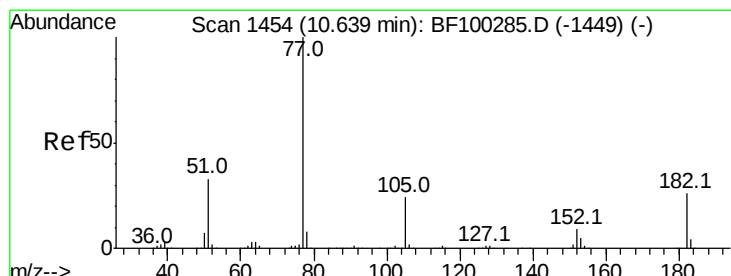
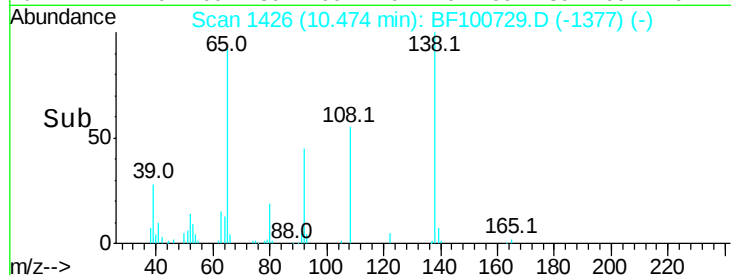
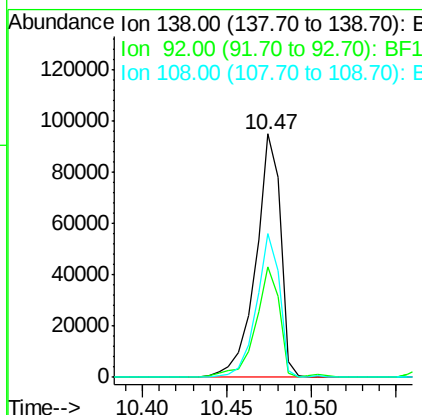
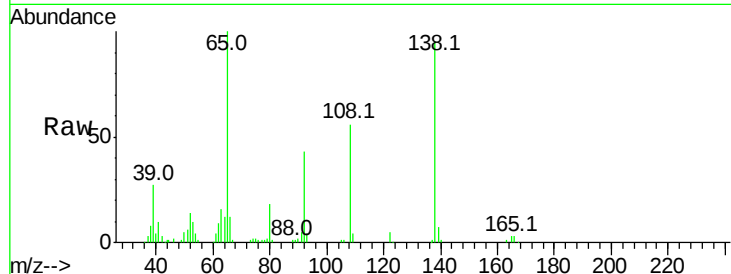
#61  
4-Nitroaniline  
Concen: 34.175 ng  
RT: 10.47 min Scan# 1426  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 45.3  | 30.2  | 70.2  |
| 108     | 58.9  | 52.5  | 92.5  |

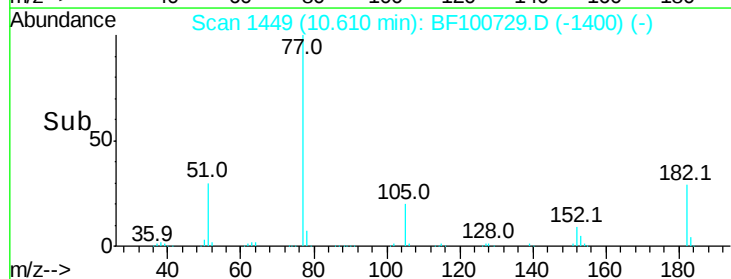
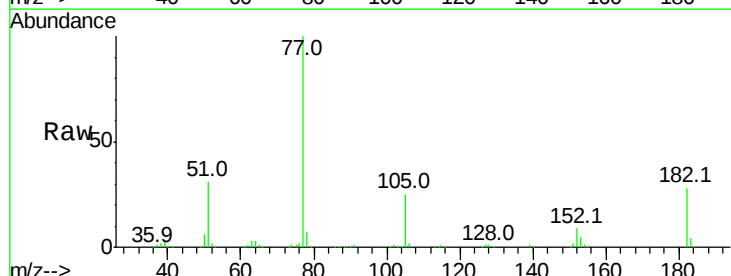
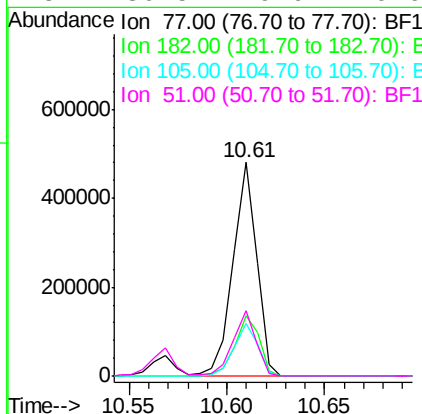
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#62  
Azobenzene  
Concen: 33.558 ng  
RT: 10.61 min Scan# 1449  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 28.2  | 1.7   | 41.7  |
| 105     | 24.7  | 3.0   | 43.0  |
| 51      | 30.5  | 9.9   | 49.9  |





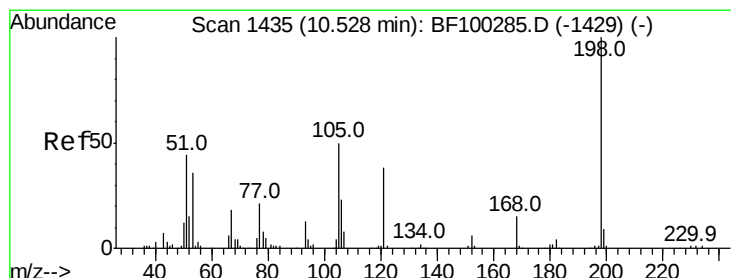
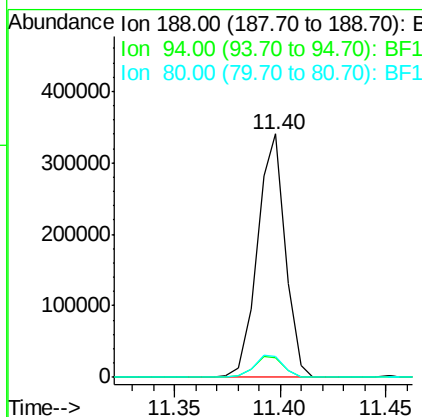
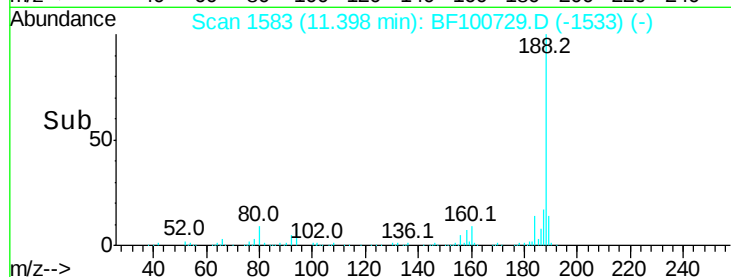
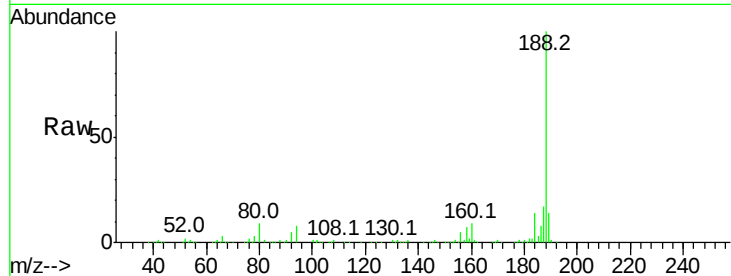
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1583  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 8.3   | 8.5        | 12.7# |
| 80      | 8.8   | 9.2        | 13.8# |

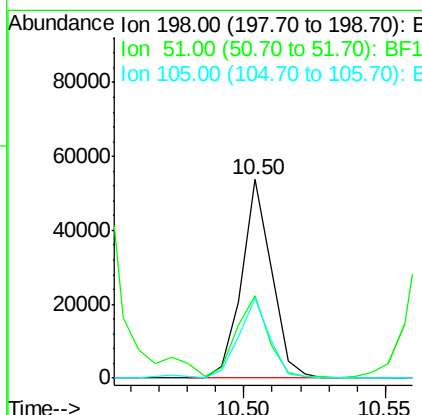
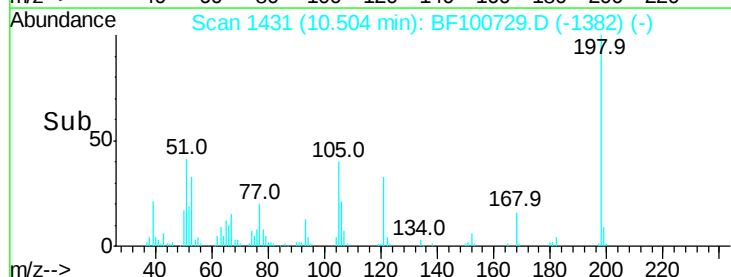
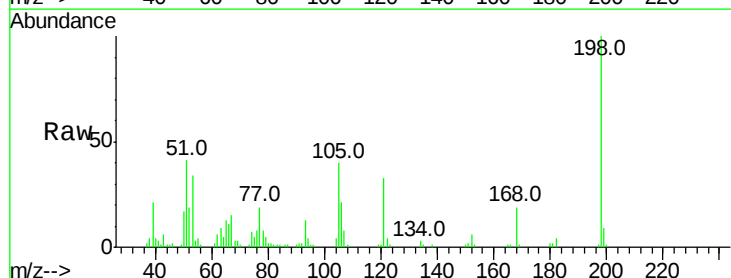
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 29.319 ng  
RT: 10.50 min Scan# 1431  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 198     | 100   |            |       |
| 51      | 41.2  | 37.7       | 77.7  |
| 105     | 40.1  | 36.3       | 76.3  |





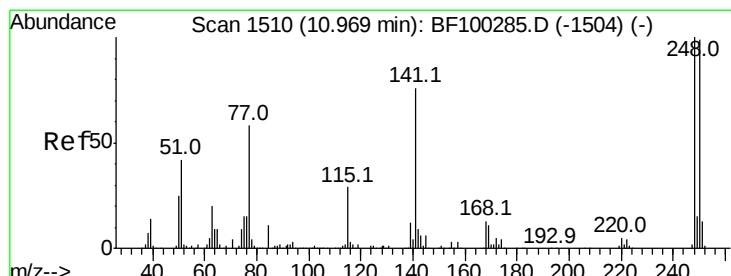
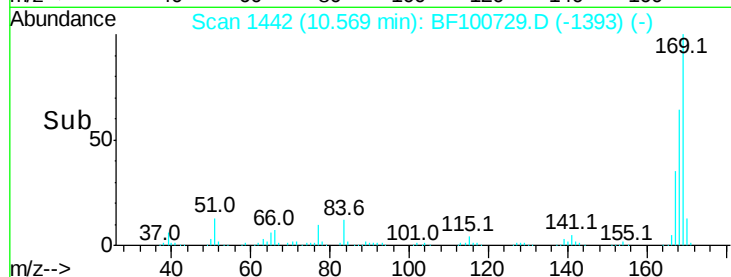
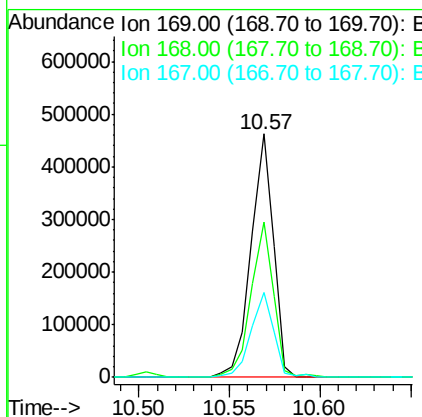
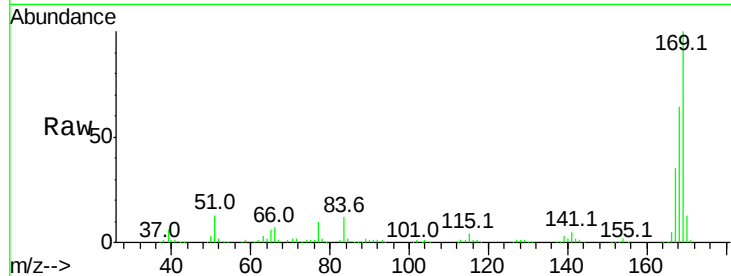
#65  
 n-Nitrosodiphenylamine  
 Concen: 36.748 ng  
 RT: 10.57 min Scan# 1442  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-03

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 169     | 100   |      |       |       |
| 168     | 63.9  | 54.4 | 81.6  |       |
| 167     | 34.6  | 29.8 | 44.6  |       |

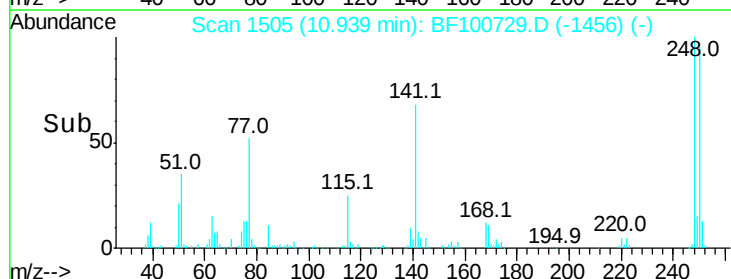
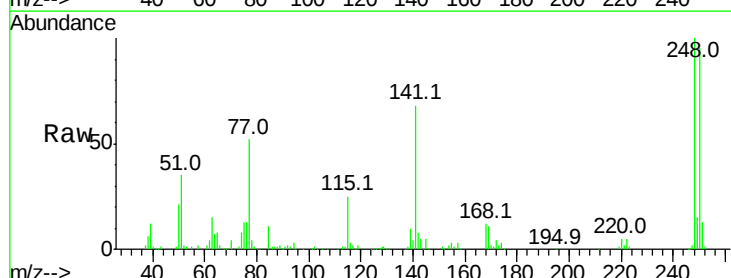
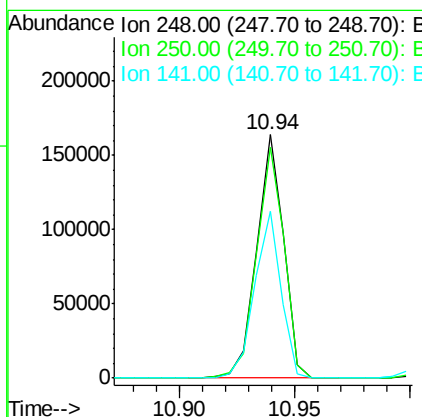
Manual Integrations  
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#66  
 4-Bromophenyl-phenylether  
 Concen: 39.987 ng  
 RT: 10.94 min Scan# 1505  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 248     | 100   |      |        |       |
| 250     | 94.9  | 76.9 | 115.3  |       |
| 141     | 68.5  | 74.4 | 111.6# |       |





#67

Hexachlorobenzene

Concen: 39.965 ng

RT: 11.00 min Scan# 1516

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

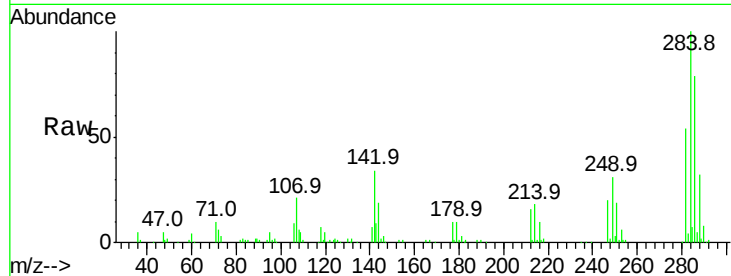
ClientSampleId :

IDOC-SOIL-03

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 284     | 100   |      |       |       |
| 142     | 34.1  | 34.6 | 52.0# |       |
| 249     | 30.9  | 24.8 | 37.2  |       |

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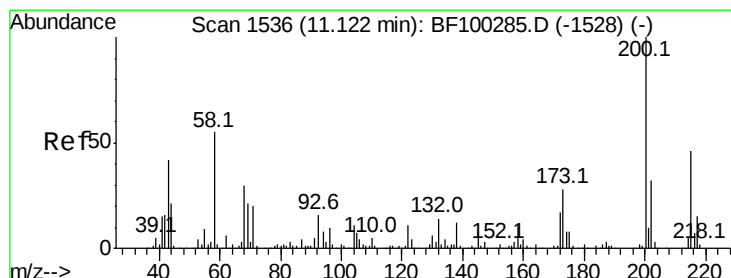
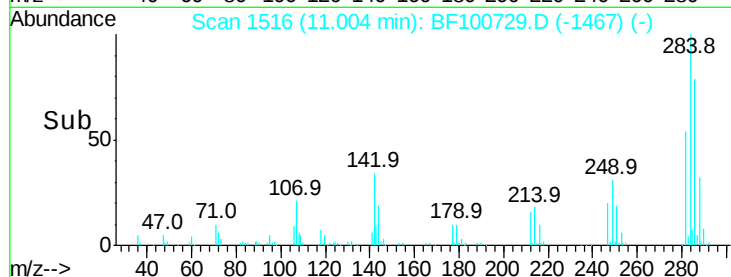
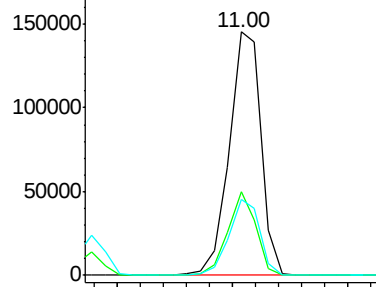
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Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 37.163 ng

RT: 11.09 min Scan# 1531

Delta R.T. -0.01 min

Lab File: BF100729.D

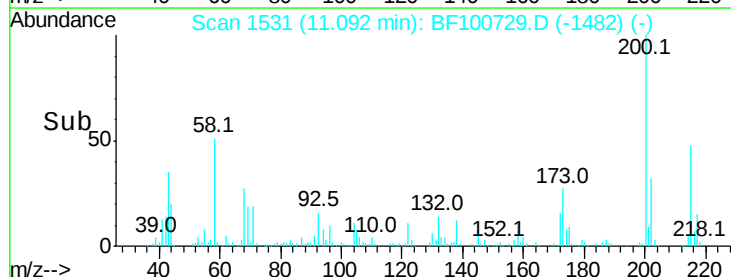
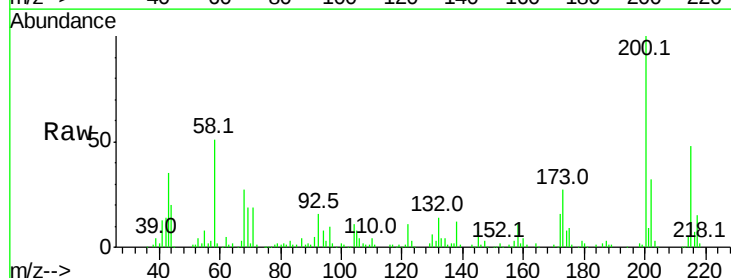
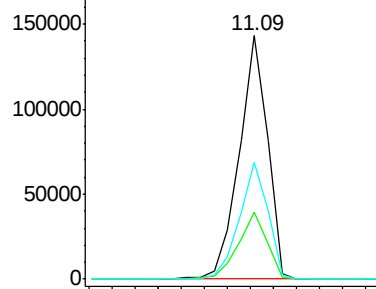
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 200     | 100   |      |       |       |
| 173     | 27.5  | 8.6  | 48.6  |       |
| 215     | 47.9  | 25.1 | 65.1  |       |

Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





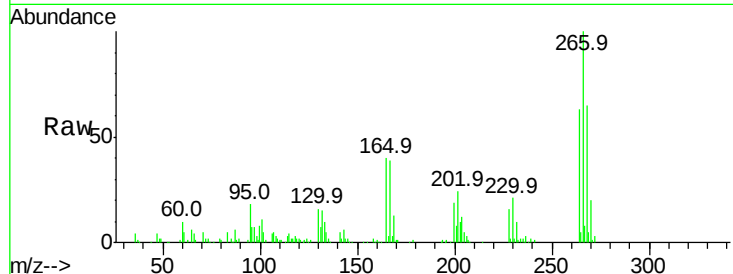
#69  
 Pentachlorophenol  
 Concen: 47.594 ng  
 RT: 11.20 min Scan# 1549  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-03

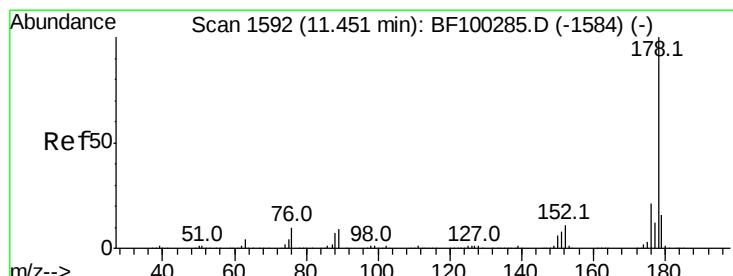
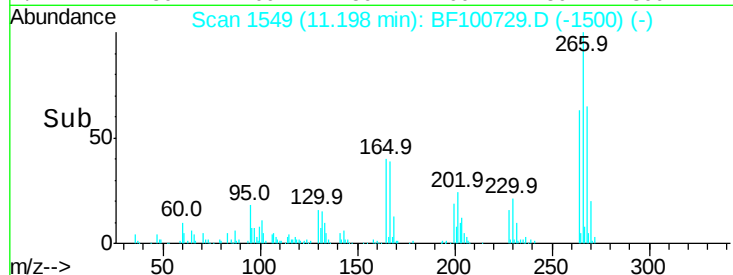
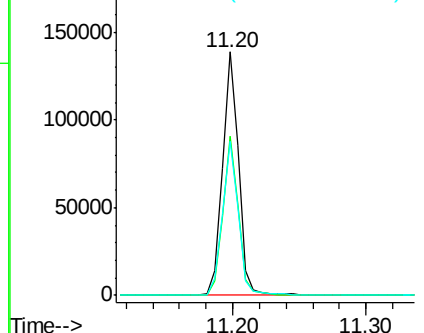
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 119261 |       |       |
| 268     | 65.2  | 51.1   | 76.7  |       |
| 264     | 63.3  | 49.5   | 74.3  |       |

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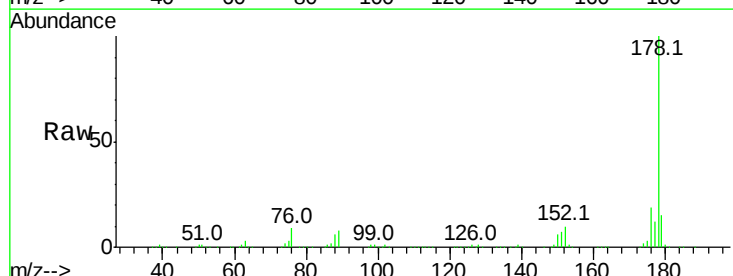


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

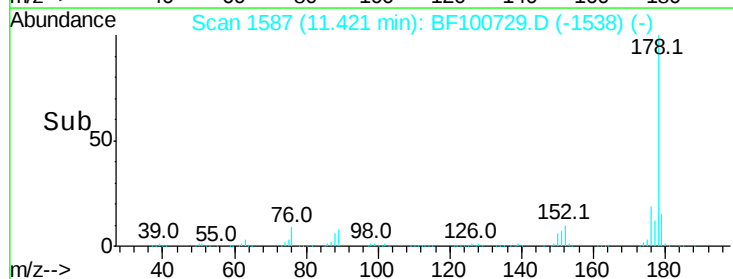
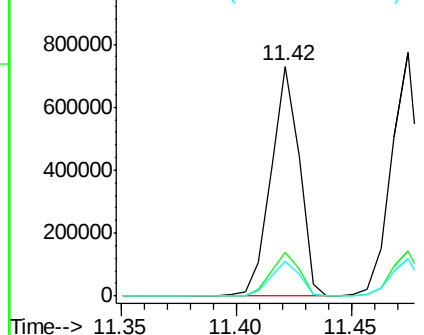


#70  
 Phenanthrene  
 Concen: 37.904 ng  
 RT: 11.42 min Scan# 1587  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 622039 |       |       |
| 176     | 19.0  | 15.8   | 23.8  |       |
| 179     | 15.1  | 13.0   | 19.6  |       |



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





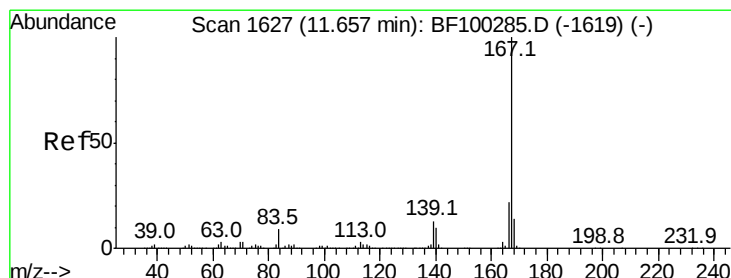
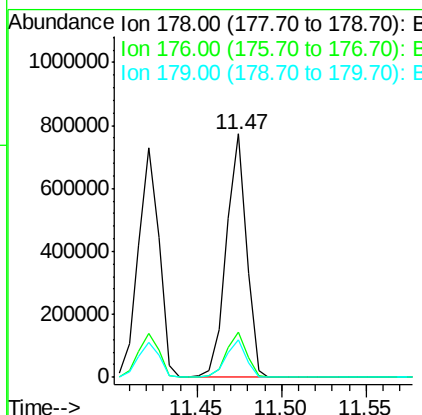
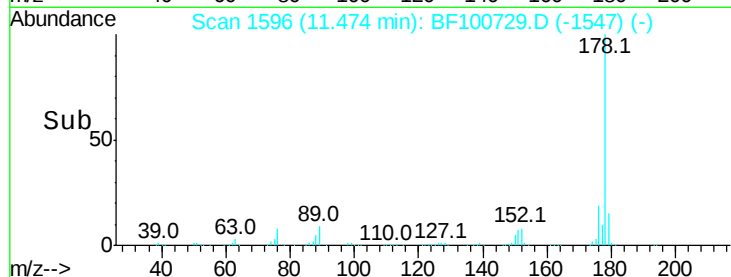
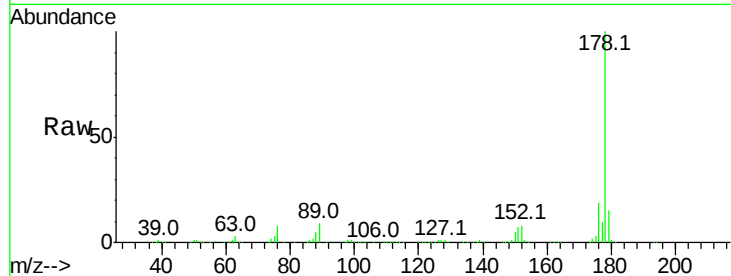
#71  
 Anthracene  
 Concen: 38.469 ng  
 RT: 11.47 min Scan# 1596  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.4  | 23.2  |
| 179     | 15.4  | 12.6  | 19.0  |

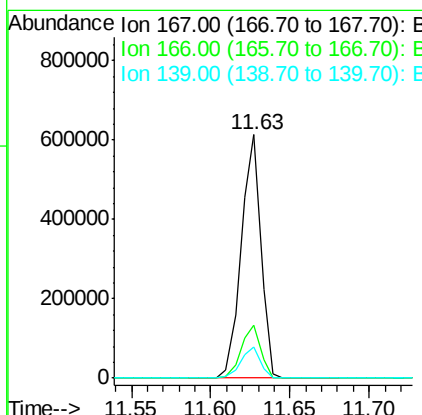
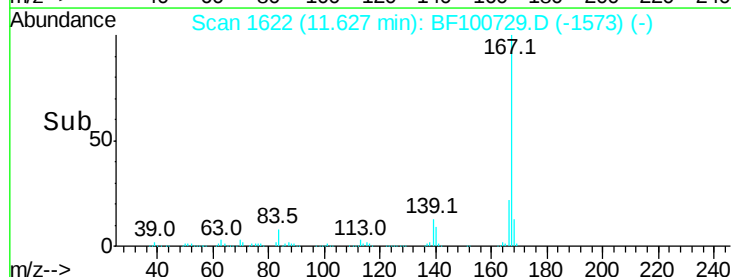
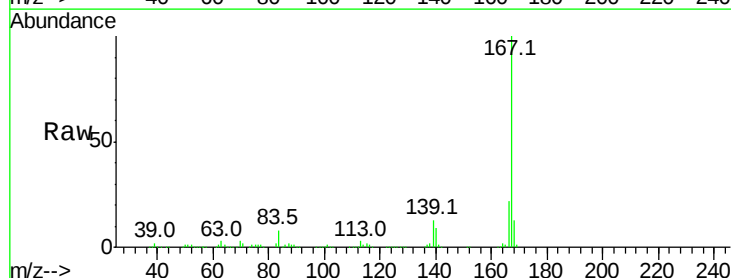
Manual Integrations  
 APPROVED

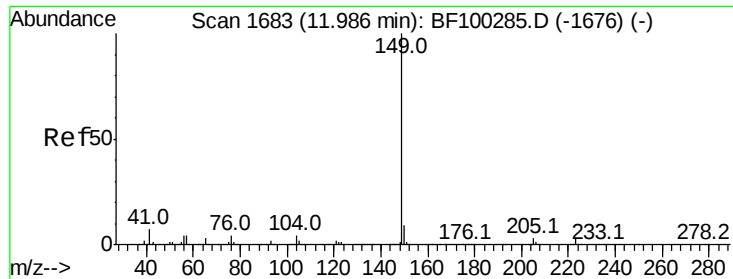
SOHIL  
 11/21/2017 2:15:12 PM



#72  
 Carbazole  
 Concen: 34.270 ng  
 RT: 11.63 min Scan# 1622  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.9  | 17.6  | 26.4  |
| 139     | 12.6  | 10.9  | 16.3  |





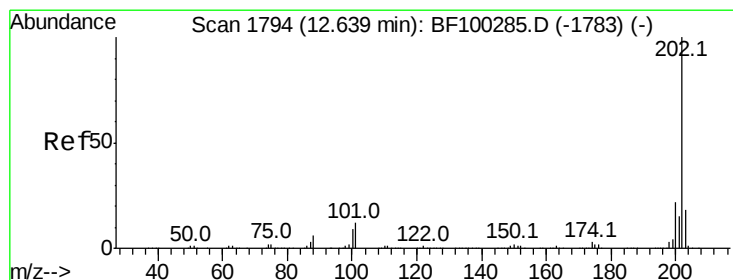
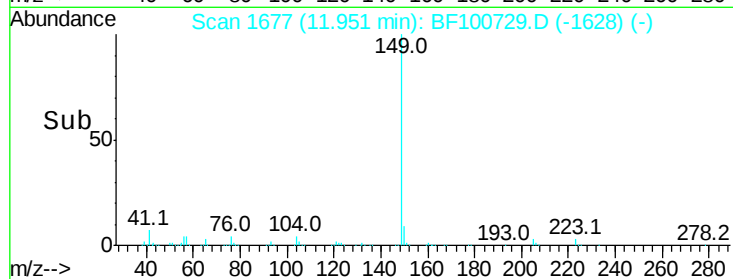
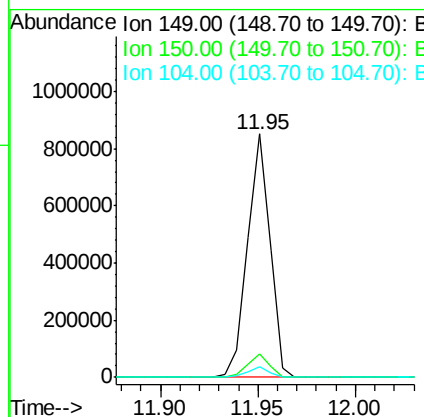
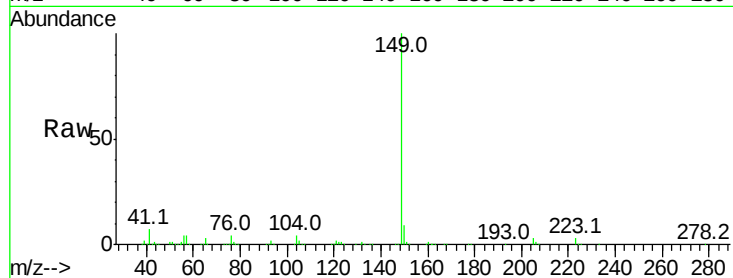
#73  
Di-n-butylphthalate  
Concen: 37.806 ng  
RT: 11.95 min Scan# 1677  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 150     | 9.4   | 7.8  | 11.6  |       |
| 104     | 4.2   | 3.8  | 5.8   |       |

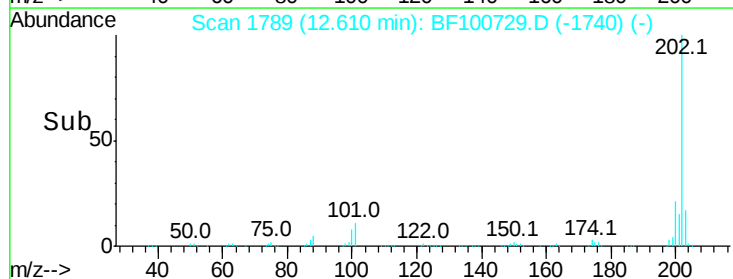
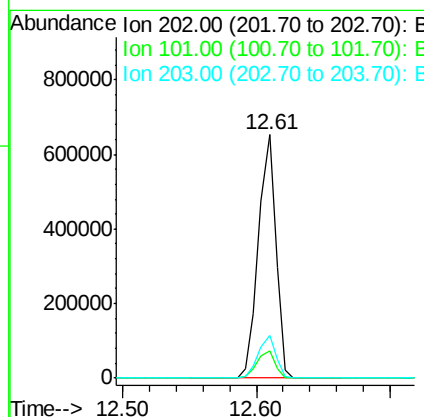
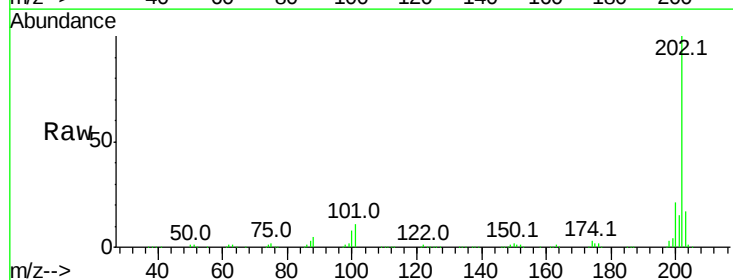
Manual Integrations  
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11/21/2017 2:15:12 PM



#74  
Fluoranthene  
Concen: 33.523 ng  
RT: 12.61 min Scan# 1789  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 101     | 11.3  | 0.0  | 34.1  |       |
| 203     | 17.4  | 0.0  | 38.1  |       |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

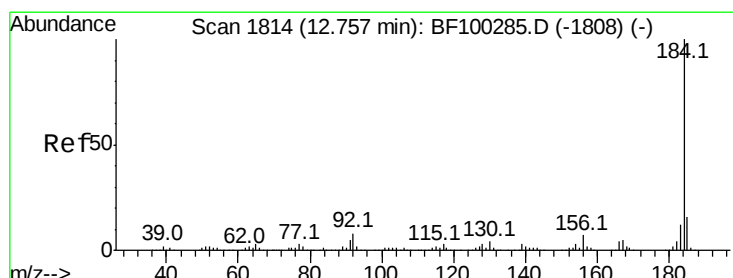
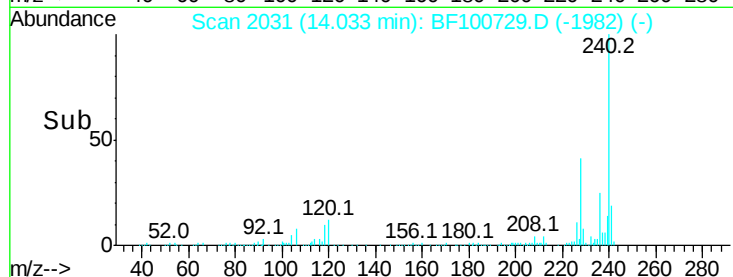
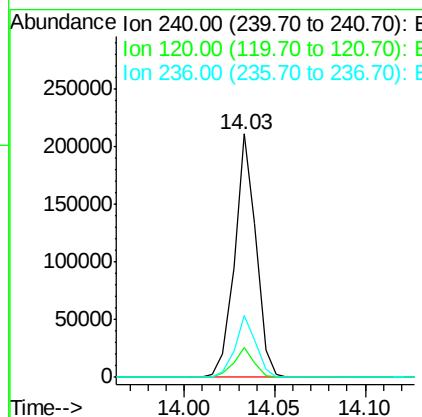
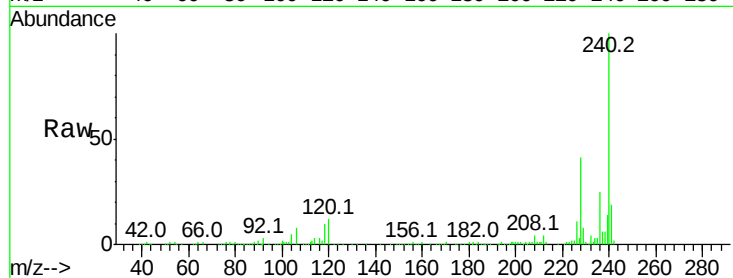
ClientSampleId :

IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.4  | 9.5   | 14.3  |
| 236     | 25.3  | 20.7  | 31.1  |

Manual Integrations  
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11/21/2017 2:15:12 PM



#76

Benzidine

Concen: 17.971 ng

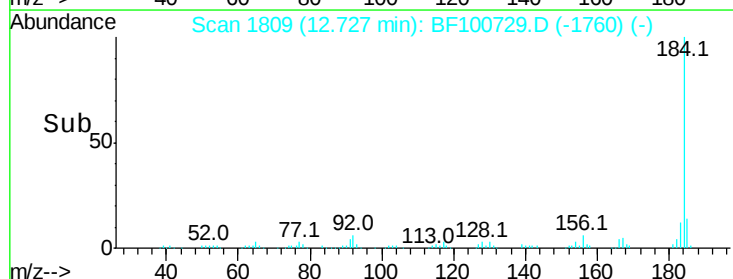
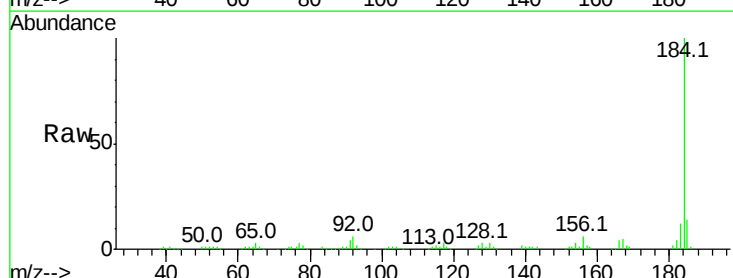
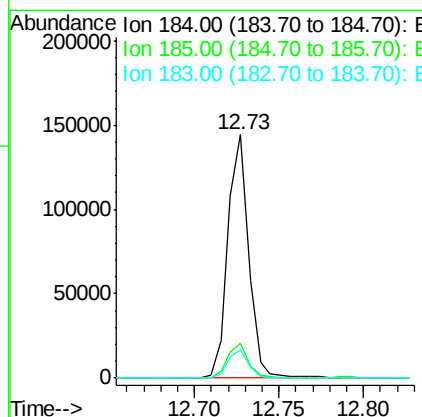
RT: 12.73 min Scan# 1809

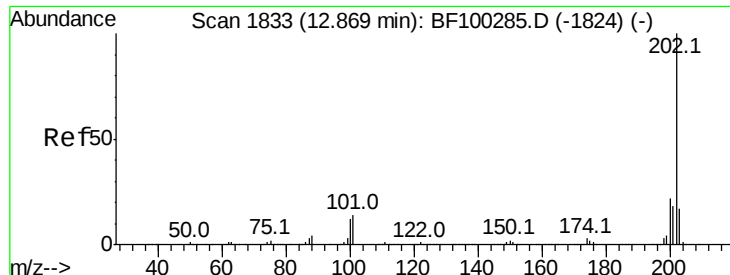
Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 14.1  | 12.6  | 18.8  |
| 183     | 11.5  | 9.3   | 13.9  |





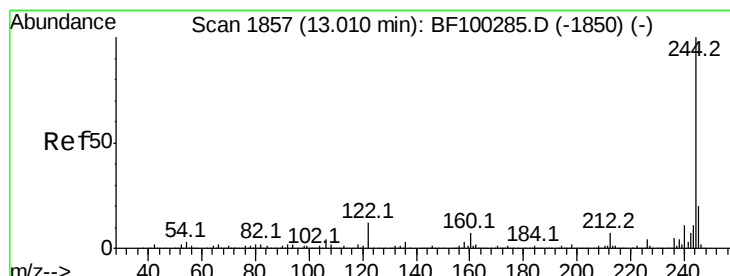
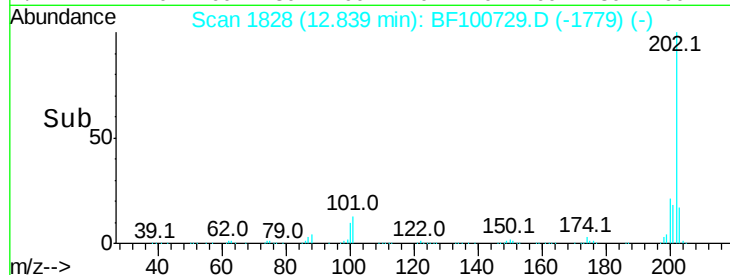
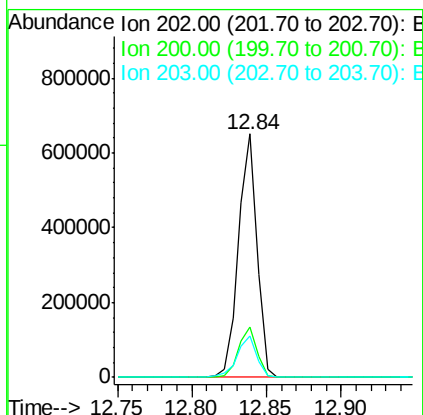
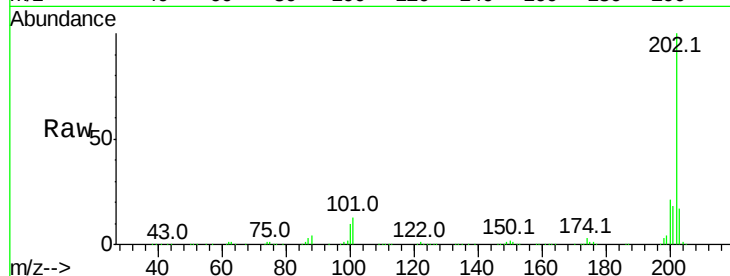
#77  
Pvrene  
Concen: 45.900 ng  
RT: 12.84 min Scan# 1828  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 566436 |       |       |
| 200     | 20.8  |        | 17.4  | 26.2  |
| 203     | 17.1  |        | 14.3  | 21.5  |

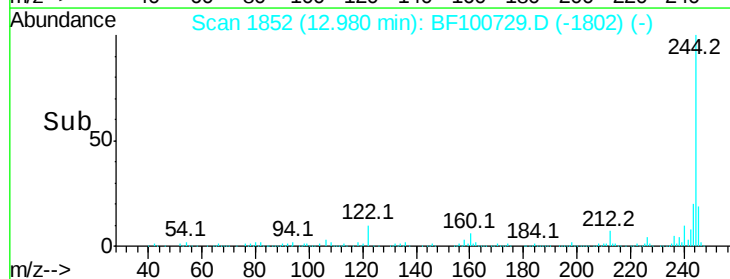
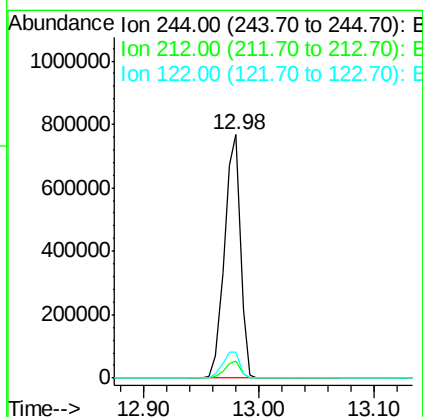
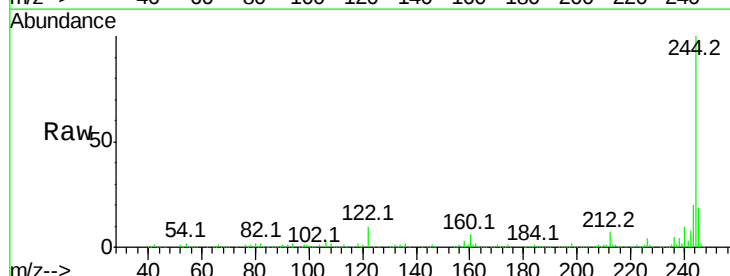
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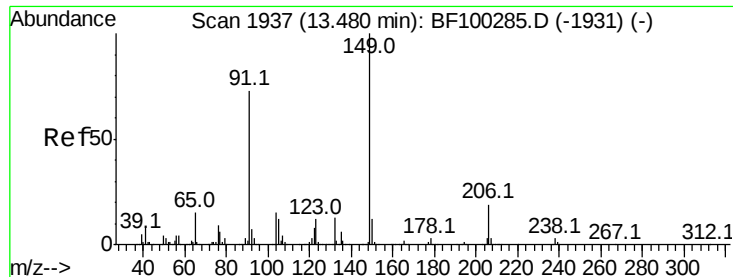
SOHIL  
11/21/2017 2:15:12 PM



#78  
Terphenyl-d14  
Concen: 97.513 ng  
RT: 12.98 min Scan# 1852  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 244     | 100   | 734712 |       |       |
| 212     | 6.8   |        | 5.4   | 8.0   |
| 122     | 10.5  |        | 11.0  | 16.4# |





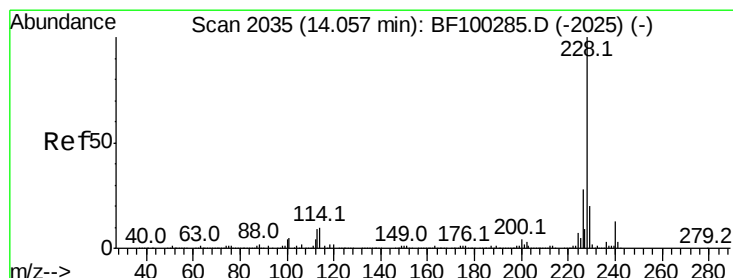
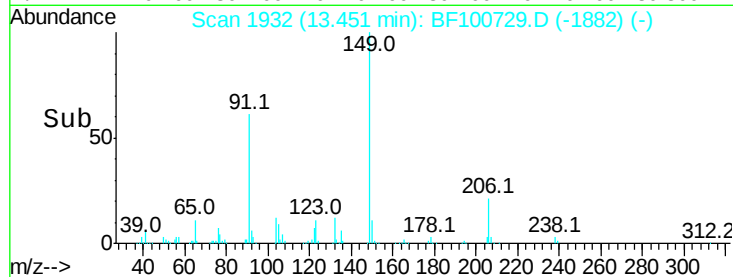
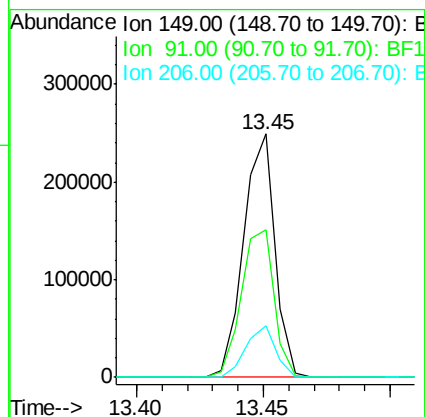
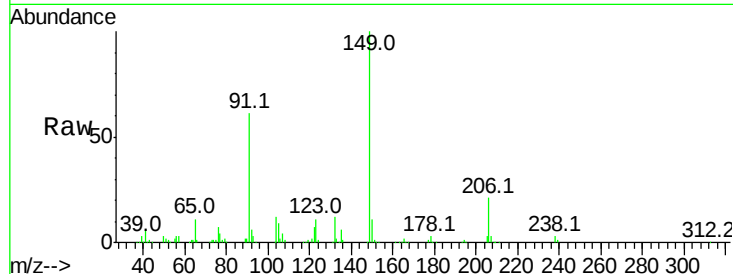
#79  
Butylbenzylphthalate  
Concen: 42.262 ng  
RT: 13.45 min Scan# 1932  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 212694 |       |       |
| 91      | 60.7  | 56.8   | 85.2  |       |
| 206     | 21.3  | 14.1   | 21.1  |       |

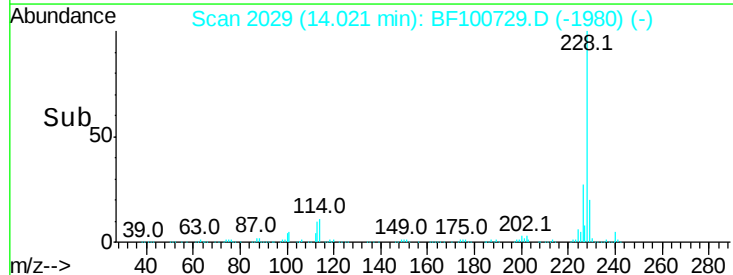
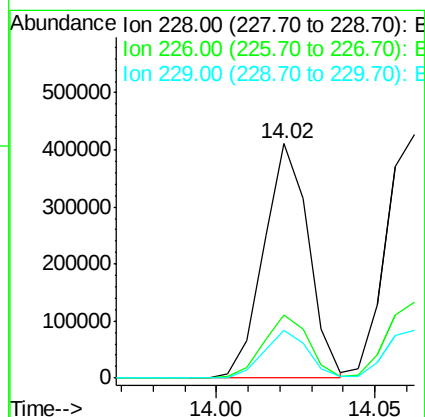
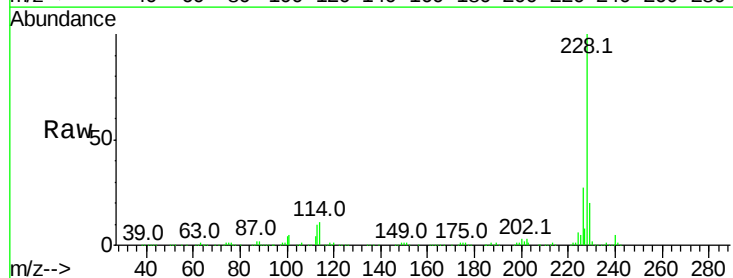
Manual Integrations  
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11/21/2017 2:15:12 PM



#80  
Benzo(a)anthracene  
Concen: 38.792 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 404414 |       |       |
| 226     | 27.2  | 22.6   | 33.8  |       |
| 229     | 20.3  | 15.8   | 23.6  |       |





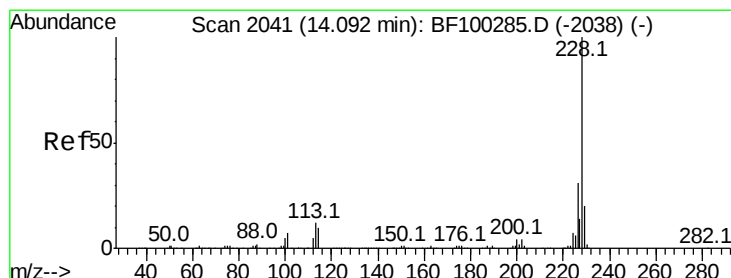
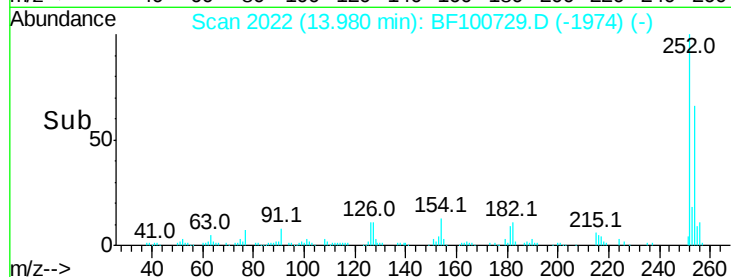
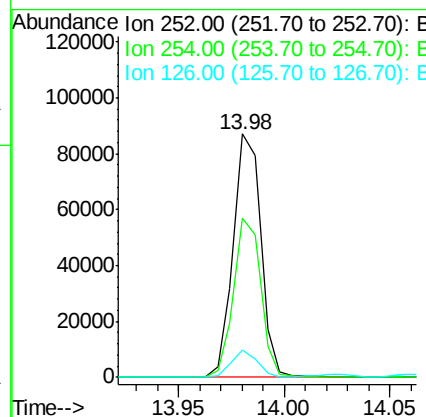
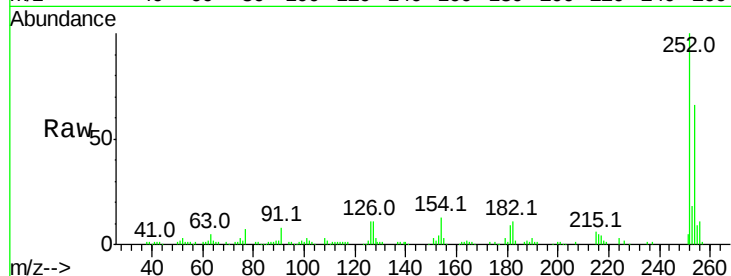
#81  
 3,3'-Dichlorobenzidine  
 Concen: 20.993 ng  
 RT: 13.98 min Scan# 2022  
 Delta R.T. -0.02 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.5  | 50.4  | 75.6  |
| 126     | 11.3  | 11.3  | 16.9  |

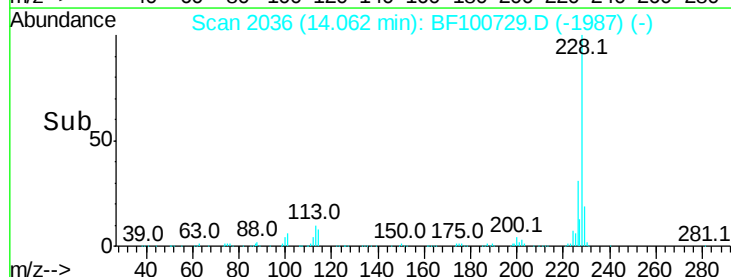
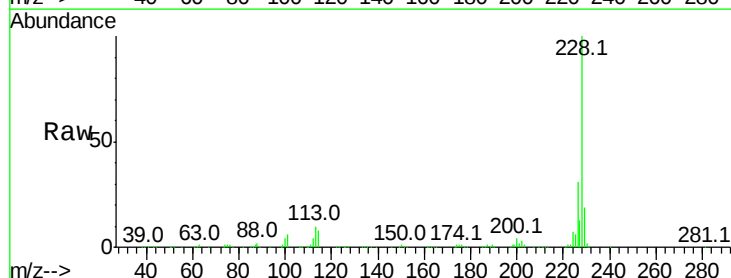
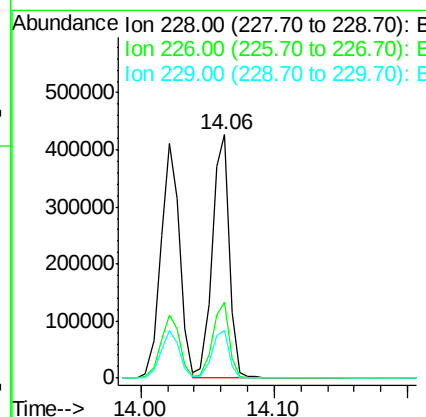
Manual Integrations  
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 11/21/2017 2:15:12 PM



#82  
 Chrysene  
 Concen: 37.851 ng  
 RT: 14.06 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.9  | 25.0  | 37.6  |
| 229     | 19.4  | 16.2  | 24.4  |





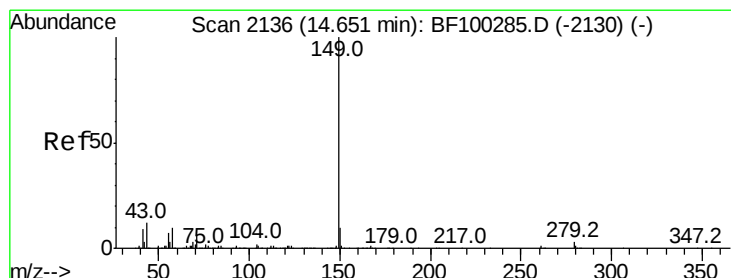
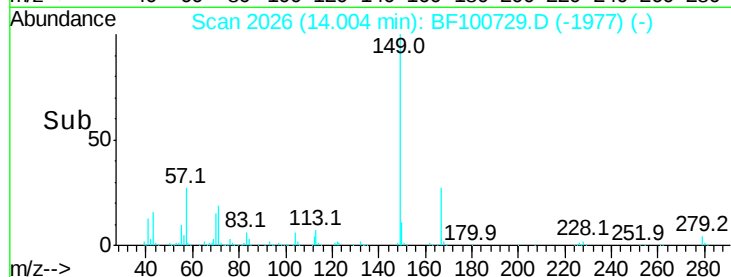
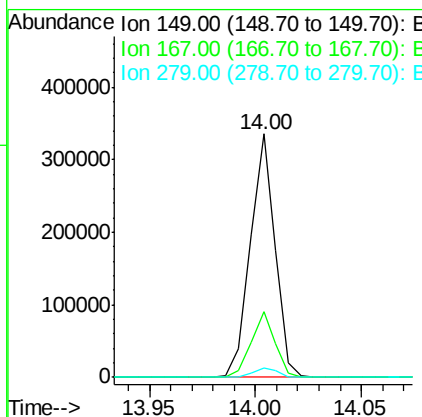
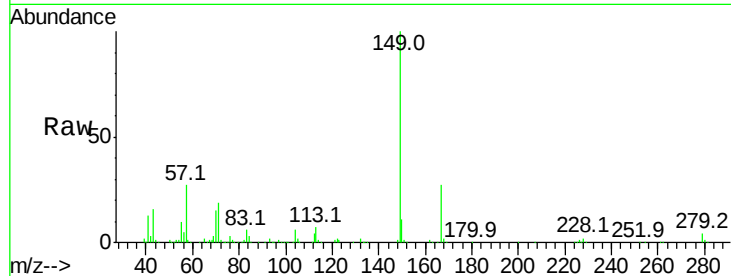
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 41.186 ng  
 RT: 14.00 min Scan# 2026  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.9  | 21.3  | 31.9  |
| 279     | 3.6   | 3.0   | 4.4   |

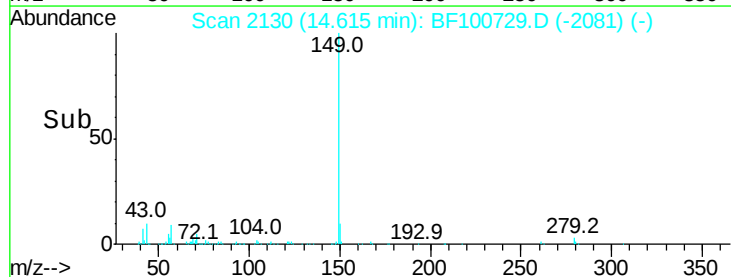
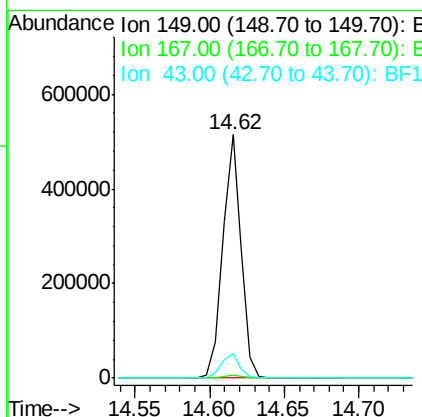
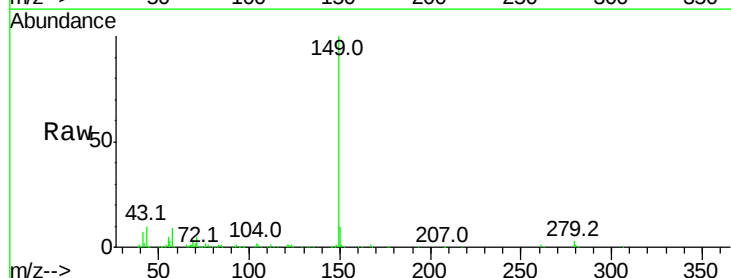
Manual Integrations  
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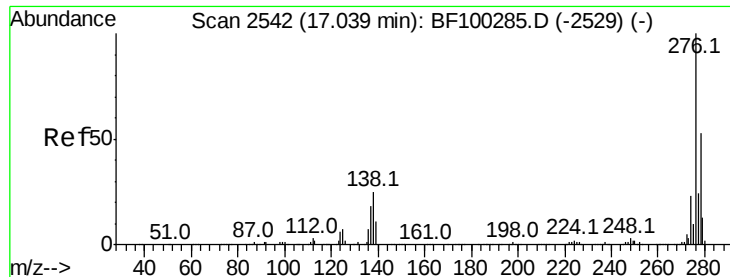
SOHIL  
 11/21/2017 2:15:12 PM



#84  
 Di-n-octyl phthalate  
 Concen: 39.165 ng  
 RT: 14.62 min Scan# 2130  
 Delta R.T. -0.01 min  
 Lab File: BF100729.D  
 Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.5   | 1.2   | 1.8   |
| 43      | 9.9   | 8.4   | 12.6  |





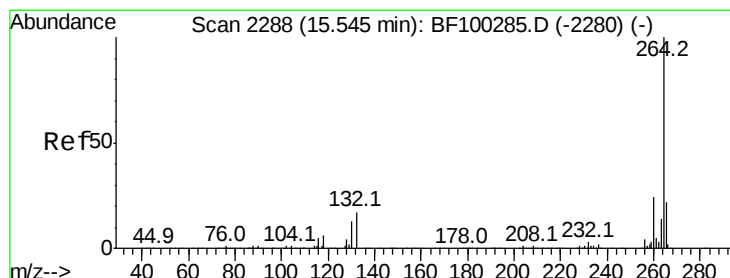
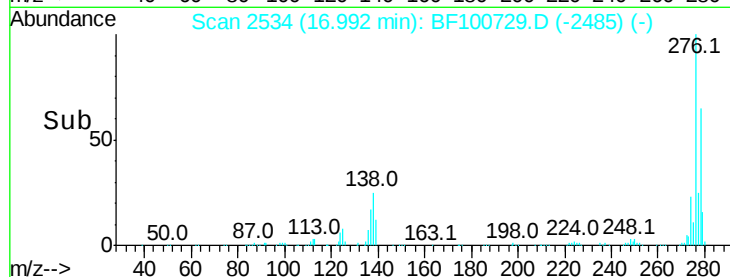
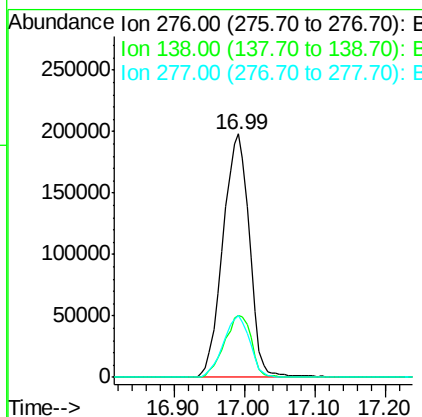
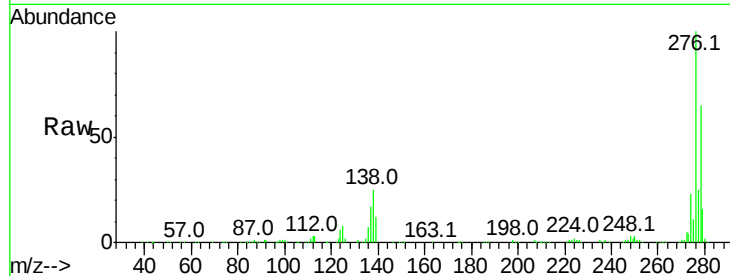
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 63.370 ng  
RT: 16.99 min Scan# 2534  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampled :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.0  | 25.0  | 37.6  |
| 277     | 25.3  | 20.1  | 30.1  |

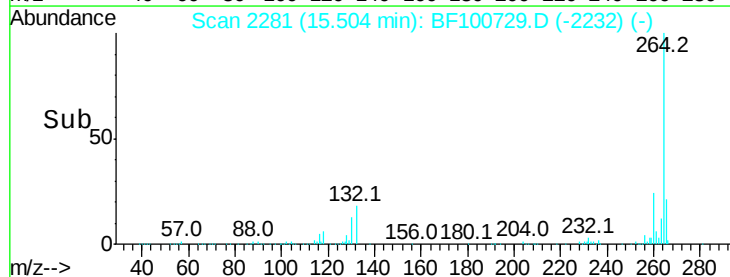
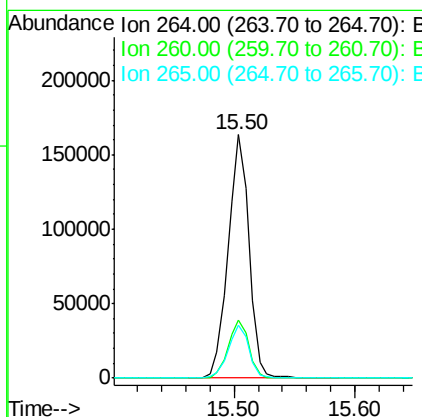
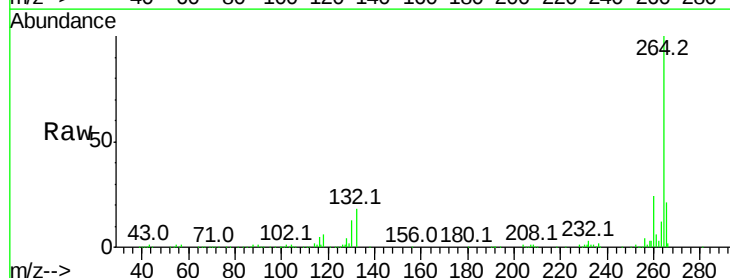
Manual Integrations  
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11/21/2017 2:15:12 PM



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.50 min Scan# 2281  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.2  | 28.8  |
| 265     | 21.5  | 17.5  | 26.3  |





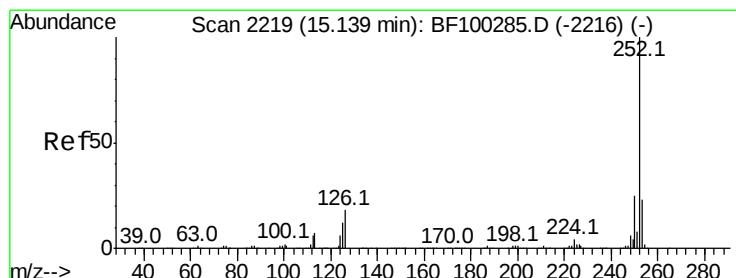
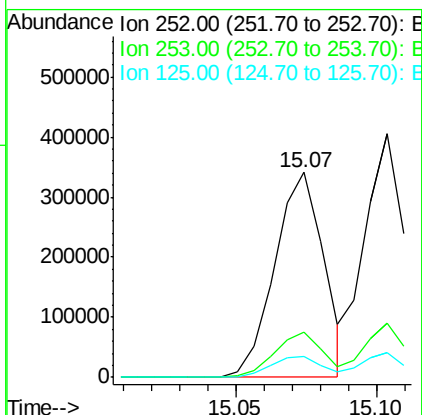
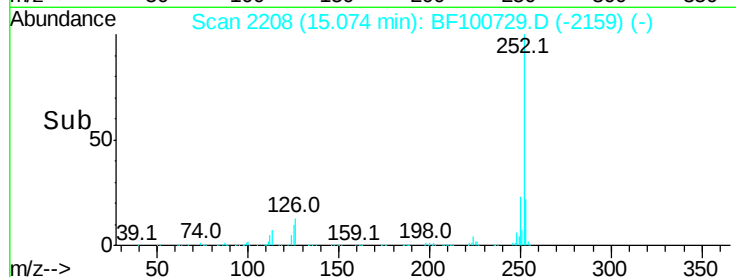
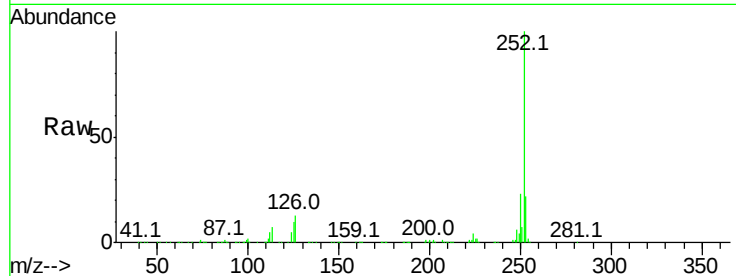
#87  
Benzo(b)fluoranthene  
Concen: 35.302 ng  
RT: 15.07 min Scan# 2208  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 17.0  | 25.6  |
| 125     | 10.2  | 9.0   | 13.6  |

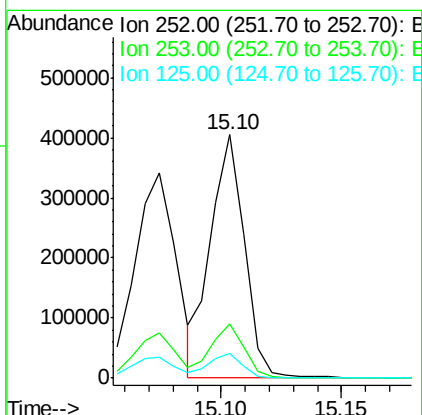
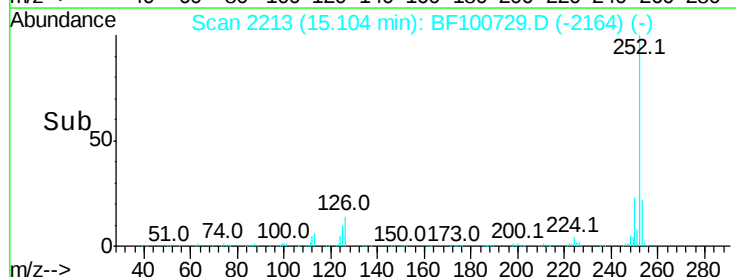
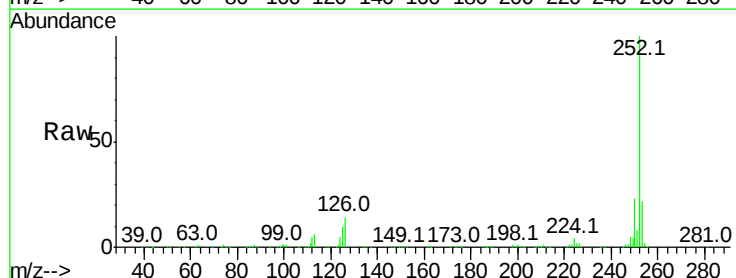
Manual Integrations  
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11/21/2017 2:15:12 PM



#88  
Benzo(k)fluoranthene  
Concen: 36.693 ng m  
RT: 15.10 min Scan# 2213  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.9  | 26.9  |
| 125     | 10.0  | 10.2  | 15.2# |





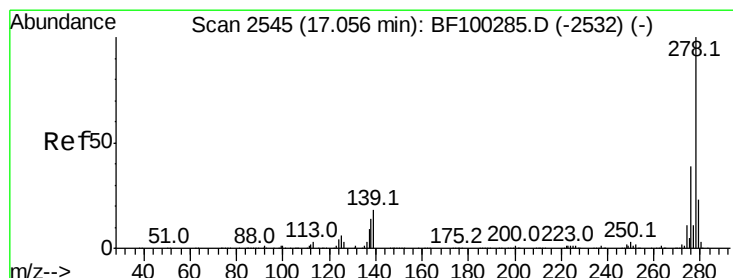
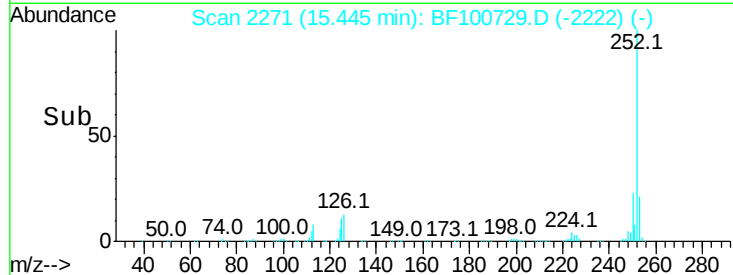
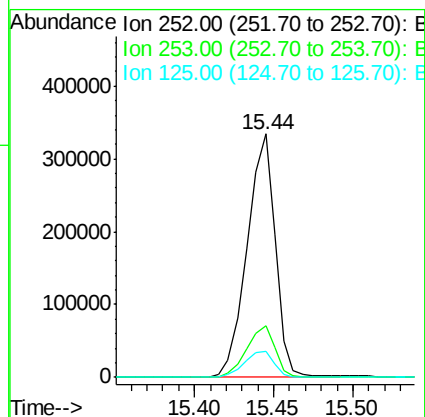
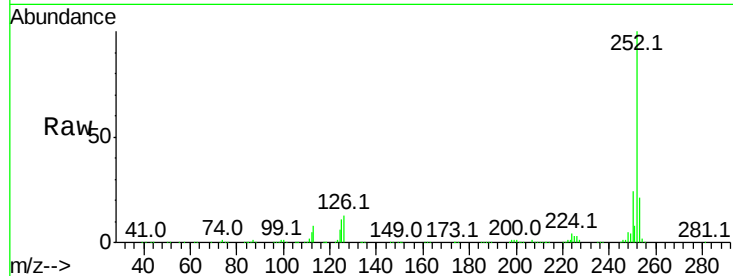
#89  
Benzo(a)pyrene  
Concen: 40.119 ng  
RT: 15.44 min Scan# 2271  
Delta R.T. -0.01 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.1  | 17.1  | 25.7  |
| 125     | 10.9  | 9.8   | 14.6  |

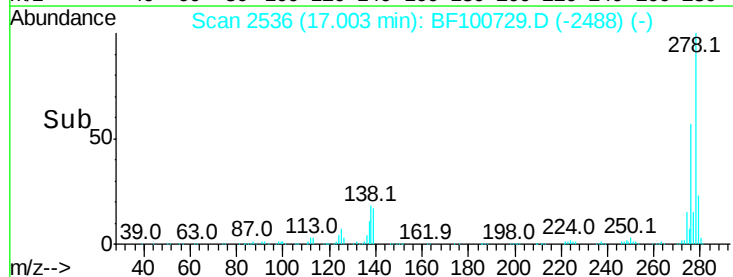
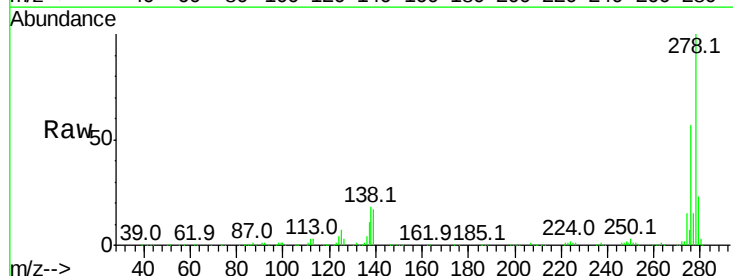
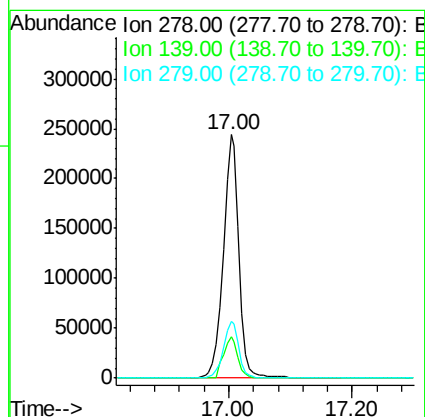
Manual Integrations  
APPROVED

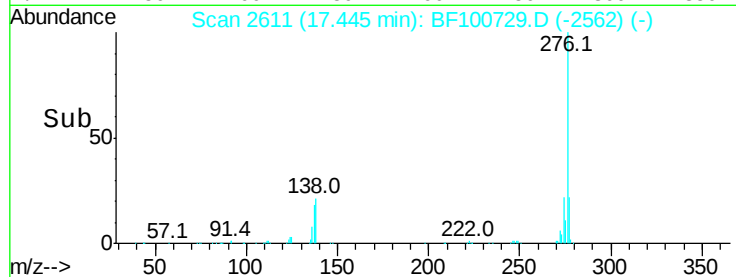
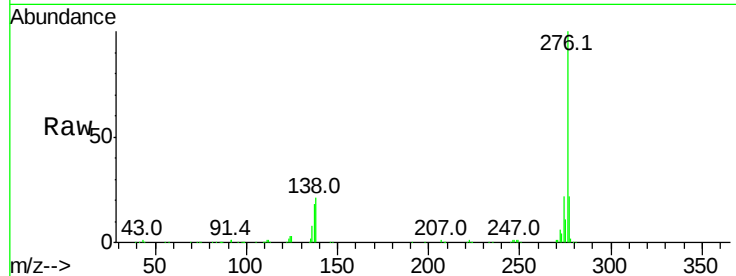
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11/21/2017 2:15:12 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 51.133 ng  
RT: 17.00 min Scan# 2536  
Delta R.T. -0.02 min  
Lab File: BF100729.D  
Acq: 20 Nov 2017 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.1  | 15.9  | 23.9  |
| 279     | 23.3  | 19.0  | 28.4  |





#91

Benzo(a,h,i)perylene

Concen: 54.071 ng

RT: 17.44 min Scan# 2611

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA\_F

ClientSampleId :

IDOC-SOIL-03

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 276  | Resp: | 445596 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 22.4 | 17.9  | 26.9   |
| 138       | 21.2 | 21.8  | 32.8#  |

Manual Integrations  
APPROVED

SOHIL  
11/21/2017 2:15:12 PM

