

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\  
 Data File : BF100728.D  
 Acq On : 20 Nov 2017 14:16  
 Operator : SJ/JU  
 Sample : IDOC-SOIL-02  
 Misc : For Mohd. Javed  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

Manual Integrations  
 APPROVED

SOHIL  
 11/21/2017 2:15:09 PM

Quant Time: Nov 21 03:41:53 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  | 85964    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.15  | 136  | 354224   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.91  | 164  | 163136   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.40 | 188  | 316900   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.03 | 240  | 174775   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.50 | 264  | 177375   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.50  | 112 | 569109 | 106.12 | ng | 0.00  |
| 7) Phenol-d6             | 6.50  | 99  | 685636 | 103.68 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.43  | 82  | 430643 | 80.38  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 193355 | 116.31 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.23  | 172 | 902586 | 84.25  | ng | -0.01 |
| 78) Terphenyl-d14        | 12.98 | 244 | 760174 | 99.94  | ng | 0.00  |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.75 | 88  | 76255  | 29.178 | ng | 97     |
| 3) Pyridine                    | 3.50 | 79  | 212853 | 29.853 | ng | 92     |
| 4) n-Nitrosodimethylamine      | 3.46 | 42  | 98320  | 28.402 | ng | 98     |
| 6) Aniline                     | 6.53 | 93  | 110540 | 11.832 | ng | 98     |
| 8) 2-Chlorophenol              | 6.66 | 128 | 208747 | 36.795 | ng | 98     |
| 9) Benzaldehyde                | 6.42 | 77  | 83181  | 17.613 | ng | 94     |
| 10) Phenol                     | 6.52 | 94  | 244850 | 35.270 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.61 | 93  | 189960 | 32.577 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.81 | 146 | 234836 | 35.903 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.89 | 146 | 239523 | 36.181 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.04 | 146 | 225732 | 36.879 | ng | 98     |
| 15) Benzyl Alcohol             | 7.01 | 79  | 176763 | 34.249 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45  | 334839 | 35.903 | ng | 97     |
| 17) 2-Methylphenol             | 7.12 | 107 | 176096 | 36.322 | ng | 97     |
| 18) Hexachloroethane           | 7.38 | 117 | 80395  | 36.832 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70  | 142009 | 30.965 | ng | 94     |
| 20) 3+4-Methylphenols          | 7.27 | 107 | 216865 | 35.349 | ng | # 88   |
| 22) Acetophenone               | 7.28 | 105 | 280108 | 32.429 | ng | # 97   |
| 24) Nitrobenzene               | 7.45 | 77  | 210166 | 38.111 | ng | 99     |
| 25) Isophorone                 | 7.69 | 82  | 384459 | 34.147 | ng | 99     |
| 26) 2-Nitrophenol              | 7.77 | 139 | 115687 | 45.109 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 7.80 | 122 | 197466 | 39.124 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93  | 247783 | 33.645 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.01 | 162 | 189891 | 39.410 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.09 | 180 | 197135 | 37.824 | ng | 98     |
| 31) Naphthalene                | 8.17 | 128 | 613081 | 35.934 | ng | 99     |
| 32) Benzoic acid               | 7.89 | 122 | 52642m | 20.332 | ng |        |
| 33) 4-Chloroaniline            | 8.22 | 127 | 62961  | 8.866  | ng | 96     |
| 34) Hexachlorobutadiene        | 8.29 | 225 | 113271 | 36.552 | ng | 97     |
| 35) Caprolactam                | 8.59 | 113 | 50279  | 30.407 | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 8.70 | 107 | 187750 | 36.281 | ng | 96     |
| 37) 2-Methylnaphthalene        | 8.87 | 142 | 420005 | 37.080 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 196191 | 36.262 | ng | # 97   |
| 40) Hexachlorocyclopentadiene  | 9.02 | 237 | 174147 | 68.389 | ng | 100    |

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 Sample : IDOC-SOIL-02  
 Misc : For Mohd. Javed  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

Manual Integrations  
 APPROVED

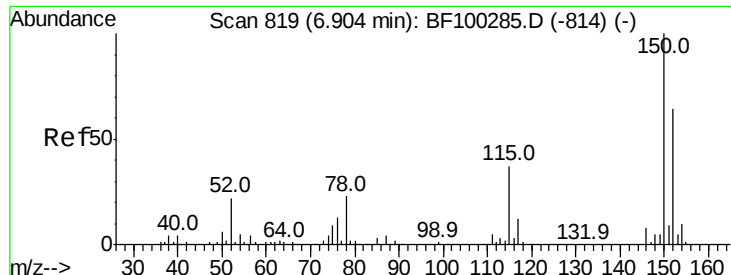
SOHIL  
 11/21/2017 2:15:09 PM

Quant Time: Nov 21 03:41:53 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) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.15  | 196  | 139836   | 40.780 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.19  | 196  | 141745   | 39.897 | nq    | # 90     |
| 45) 1,1'-Biphenyl              | 9.33  | 154  | 503611   | 35.693 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 9.36  | 162  | 397560   | 38.839 | nq    | 96       |
| 47) 2-Nitroaniline             | 9.45  | 65   | 113904   | 38.259 | nq    | 98       |
| 48) Acenaphthylene             | 9.77  | 152  | 601282   | 35.446 | nq    | 99       |
| 49) Dimethylphthalate          | 9.63  | 163  | 451130   | 36.219 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.69  | 165  | 100736   | 40.858 | nq    | 95       |
| 51) Acenaphthene               | 9.95  | 154  | 371678   | 36.027 | nq    | 100      |
| 52) 3-Nitroaniline             | 9.86  | 138  | 55937    | 19.213 | nq    | 94       |
| 53) 2,4-Dinitrophenol          | 9.97  | 184  | 34824    | 43.289 | nq    | # 13     |
| 54) Dibenzofuran               | 10.12 | 168  | 532963   | 36.859 | nq    | 98       |
| 55) 4-Nitrophenol              | 10.02 | 139  | 146502   | 61.971 | nq    | 91       |
| 56) 2,4-Dinitrotoluene         | 10.10 | 165  | 132118   | 42.477 | nq    | # 89     |
| 57) Fluorene                   | 10.46 | 166  | 411779   | 38.874 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.23 | 232  | 113074   | 38.834 | nq    | # 85     |
| 59) Diethylphthalate           | 10.33 | 149  | 440748   | 35.360 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204  | 200248   | 38.536 | nq    | 89       |
| 61) 4-Nitroaniline             | 10.47 | 138  | 96212    | 34.851 | nq    | 91       |
| 62) Azobenzene                 | 10.61 | 77   | 386977   | 32.963 | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198  | 37519    | 27.832 | nq    | 79       |
| 65) n-Nitrosodiphenylamine     | 10.57 | 169  | 381662   | 34.637 | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 10.94 | 248  | 127565   | 37.551 | nq    | # 86     |
| 67) Hexachlorobenzene          | 11.00 | 284  | 131740   | 37.079 | nq    | # 90     |
| 68) Atrazine                   | 11.09 | 200  | 119122   | 35.714 | nq    | 98       |
| 69) Pentachlorophenol          | 11.20 | 266  | 115680   | 45.406 | nq    | 97       |
| 70) Phenanthrene               | 11.42 | 178  | 607752   | 36.425 | nq    | 98       |
| 71) Anthracene                 | 11.47 | 178  | 630747   | 37.260 | nq    | 98       |
| 72) Carbazole                  | 11.63 | 167  | 528876   | 33.860 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.95 | 149  | 679272   | 37.162 | nq    | 99       |
| 74) Fluoranthene               | 12.61 | 202  | 584557   | 33.057 | nq    | 96       |
| 76) Benzidine                  | 12.73 | 184  | 108470   | 15.497 | nq    | 97       |
| 77) Pyrene                     | 12.84 | 202  | 586324   | 47.062 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.45 | 149  | 223534   | 43.996 | nq    | 91       |
| 80) Benzo(a)anthracene         | 14.02 | 228  | 395065   | 37.536 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.99 | 252  | 76519    | 20.292 | nq    | # 97     |
| 82) Chrysene                   | 14.06 | 228  | 378073   | 37.095 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149  | 277559   | 41.535 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.62 | 149  | 395633   | 34.463 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.99 | 276  | 453225   | 54.978 | nq    | 94       |
| 87) Benzo(b)fluoranthene       | 15.07 | 252  | 359926   | 34.251 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 15.10 | 252  | 356581   | 35.913 | nq    | 97       |
| 89) Benzo(a)pyrene             | 15.44 | 252  | 355259   | 38.134 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 17.00 | 278  | 376674   | 49.440 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.44 | 276  | 394848   | 52.943 | nq    | 96       |

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





#1

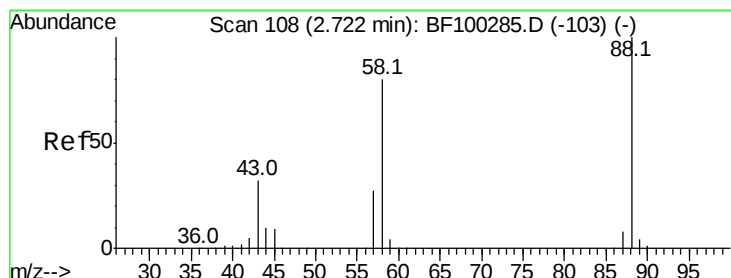
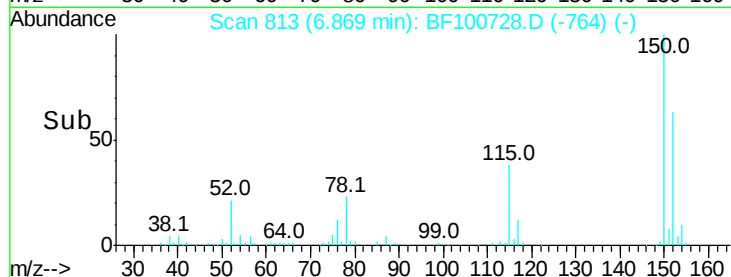
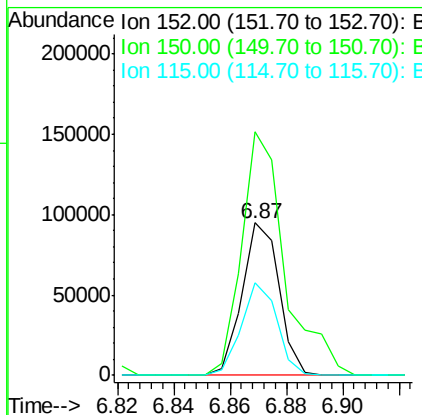
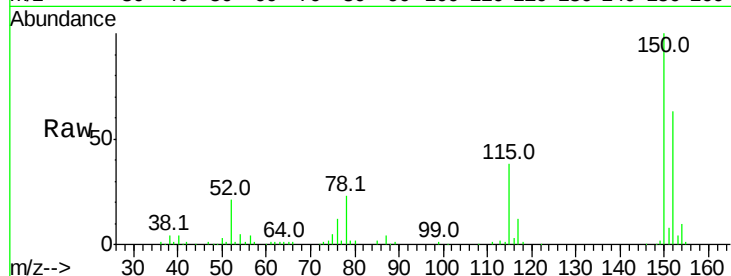
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.9 | 124.6 | 186.8 |
| 115     | 60.9  | 50.1  | 75.1  |

Manual Integrations  
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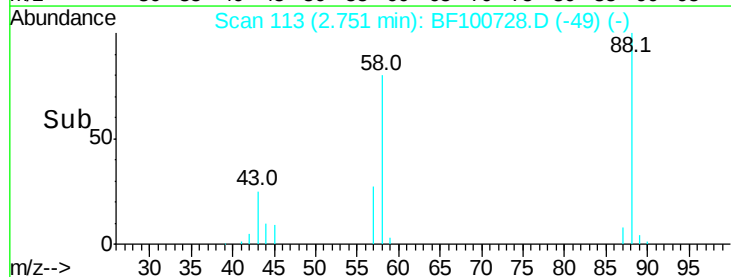
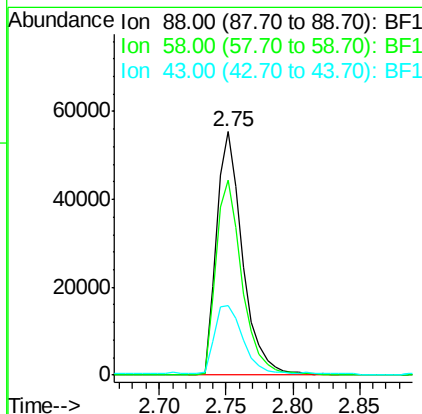
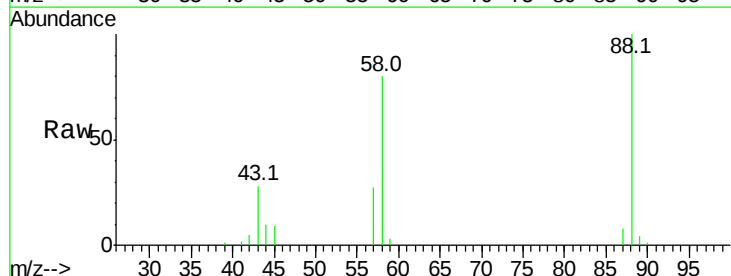
SOHIL  
11/21/2017 2:15:09 PM

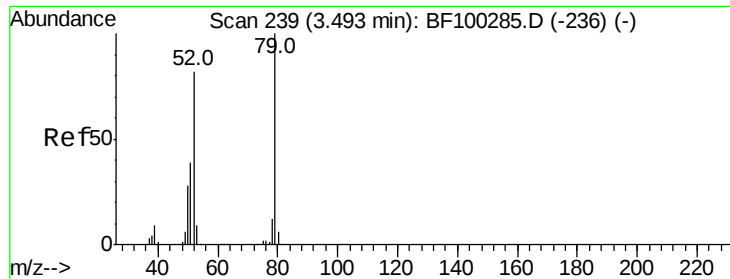


#2

1,4-Dioxane  
Concen: 29.178 ng  
RT: 2.75 min Scan# 113  
Delta R.T. 0.08 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 80.4  | 62.6  | 93.8  |
| 43      | 33.7  | 24.6  | 37.0  |





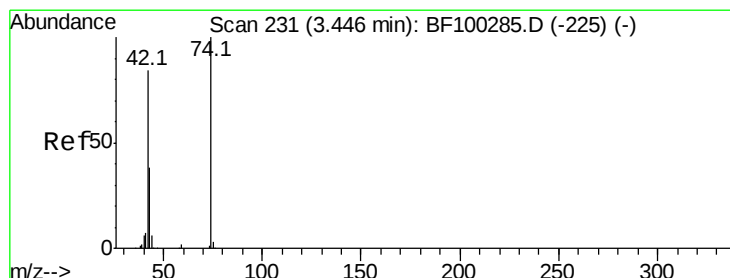
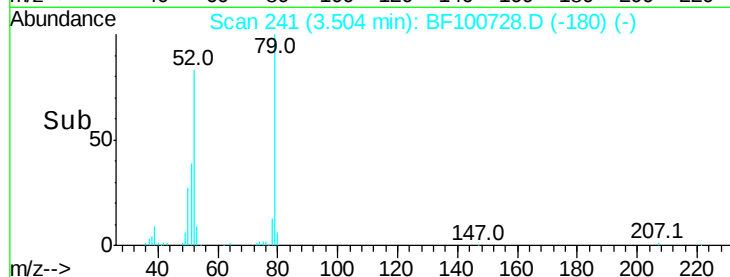
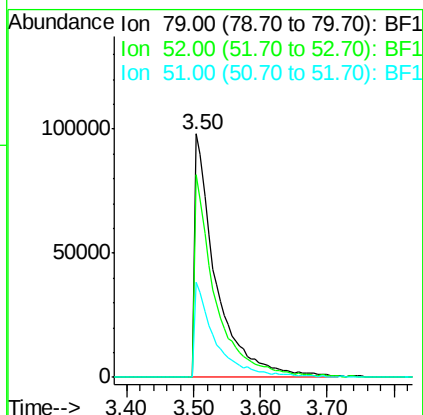
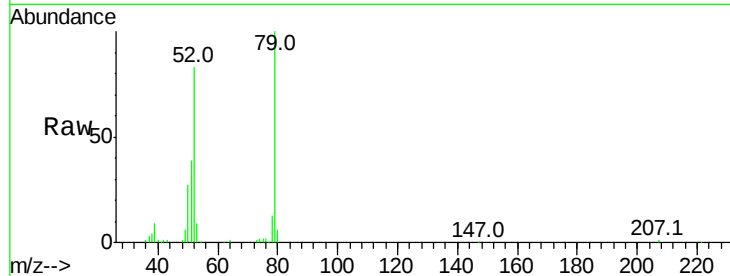
#3  
 Pvrindine  
 Concen: 29.853 ng  
 RT: 3.50 min Scan# 241  
 Delta R.T. 0.06 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 83.0  | 59.8  | 89.6  |
| 51      | 39.1  | 29.8  | 44.8  |

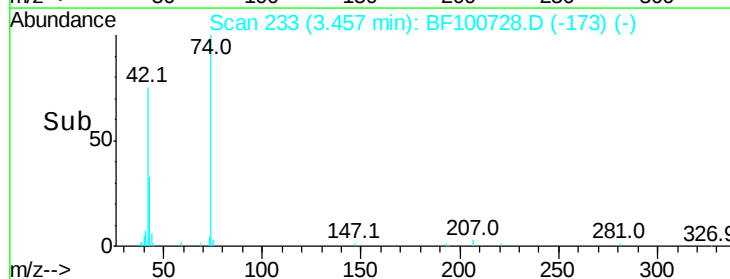
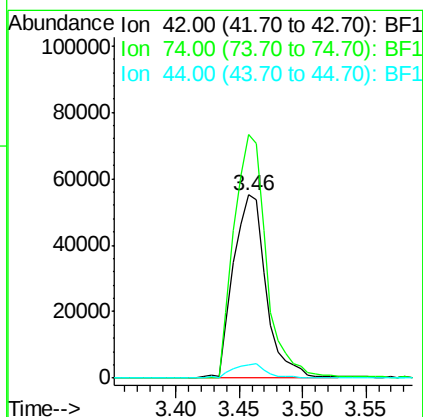
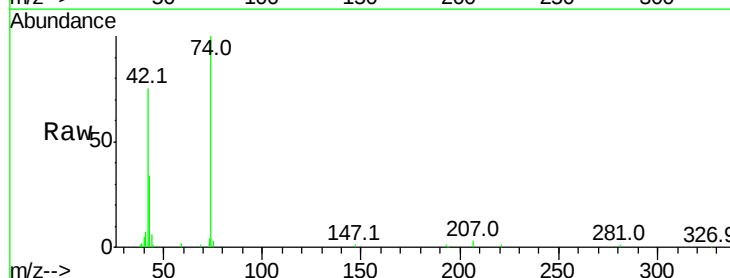
Manual Integrations  
 APPROVED

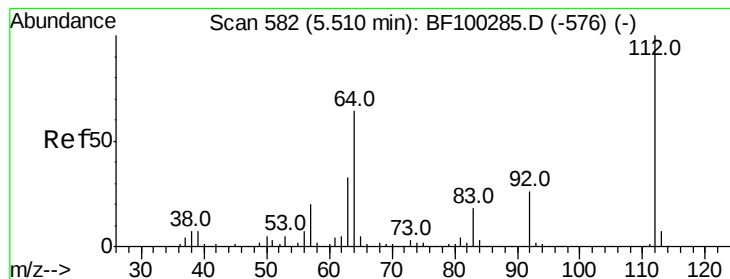
SOHIL  
 11/21/2017 2:15:09 PM



#4  
 n-Nitrosodimethylamine  
 Concen: 28.402 ng  
 RT: 3.46 min Scan# 233  
 Delta R.T. 0.05 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 132.9 | 104.9 | 157.3 |
| 44      | 7.6   | 6.9   | 10.3  |





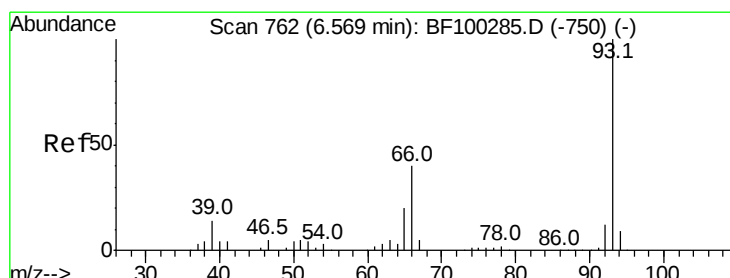
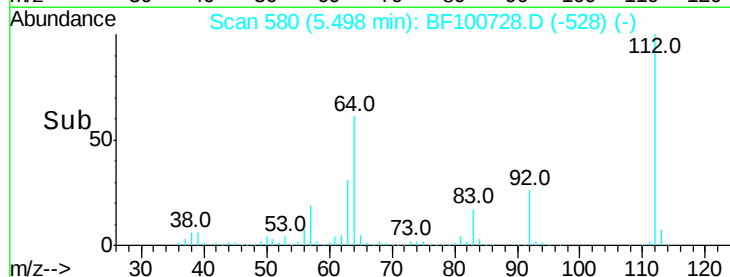
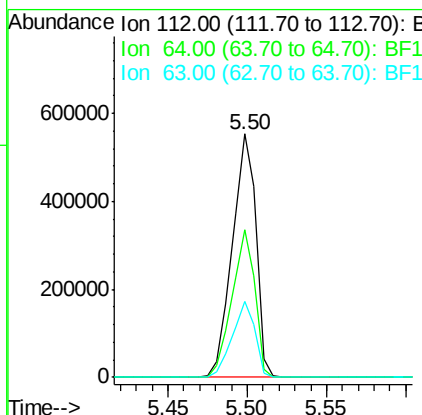
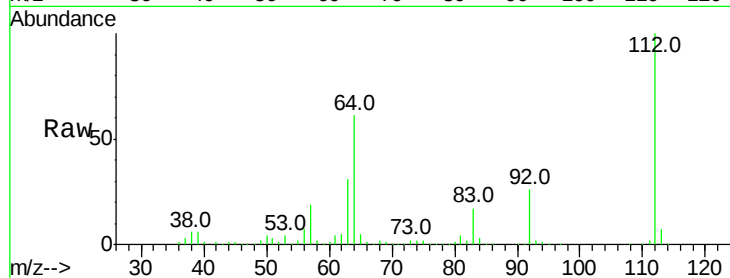
#5  
2-Fluorophenol  
Concen: 106.123 ng  
RT: 5.50 min Scan# 580  
Delta R.T. 0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 112     | 100   |            |            |
| 64      | 60.8  | 47.9       | 71.9       |
| 63      | 31.0  | 23.7       | 35.5       |

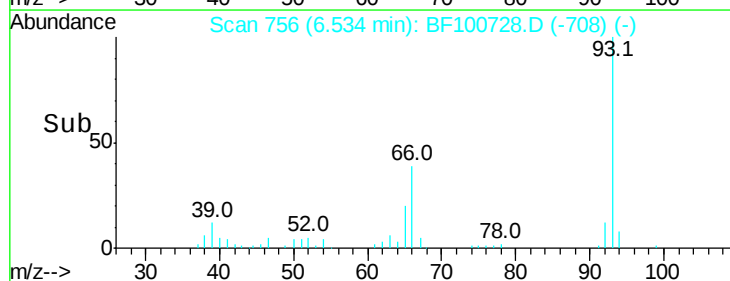
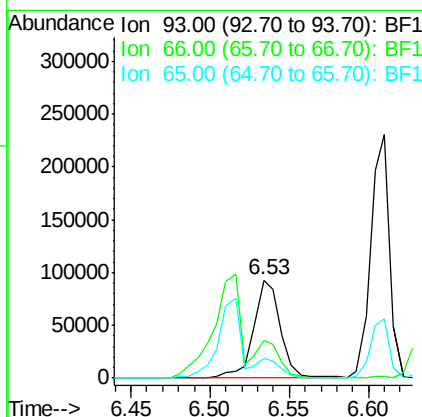
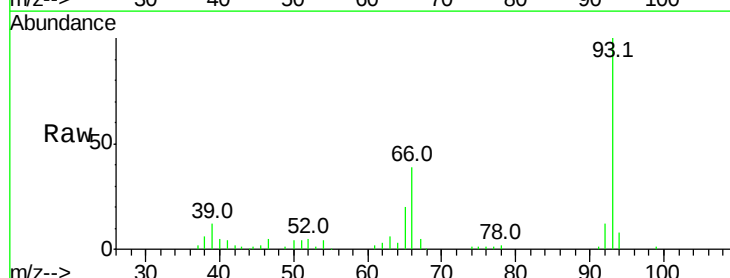
Manual Integrations  
APPROVED

SOHIL  
11/21/2017 2:15:09 PM



#6  
Aniline  
Concen: 11.832 ng  
RT: 6.53 min Scan# 756  
Delta R.T. -0.02 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

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





#7

Phenol-d6

Concen: 103.681 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA\_F

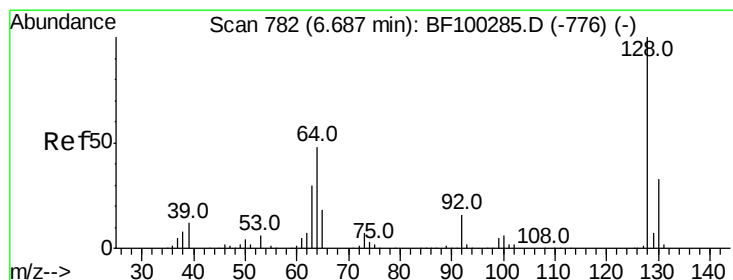
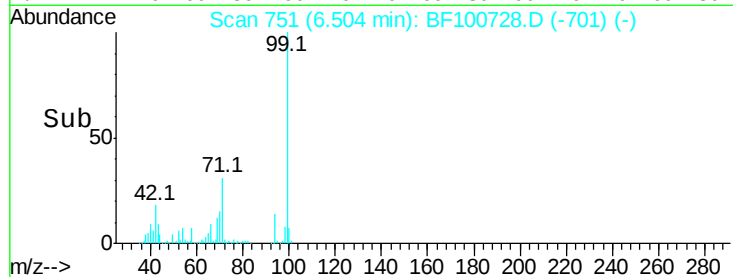
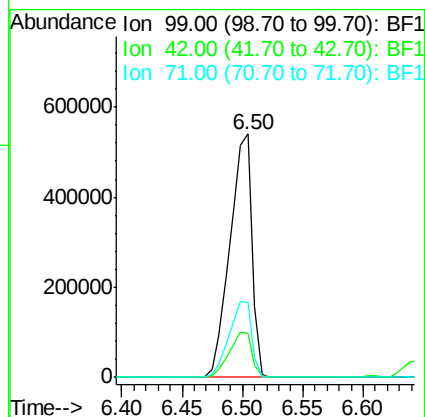
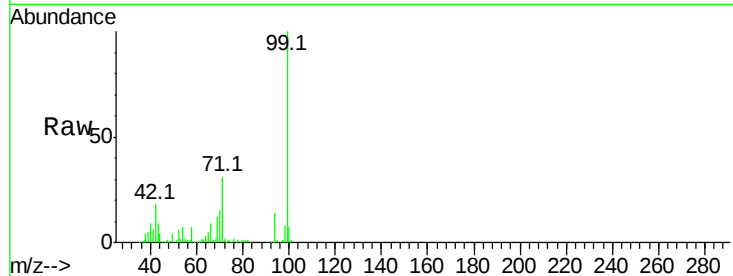
ClientSampleId :

IDOC-SOIL-02

| Tot Ion | 99    | Resp  | 685636 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 99      | 100   |       |        |
| 42      | 18.2  | 14.5  | 21.7   |
| 71      | 30.9  | 25.4  | 38.0   |

Manual Integrations  
APPROVED

SOHIL  
11/21/2017 2:15:09 PM



#8

2-Chlorophenol

Concen: 36.795 ng

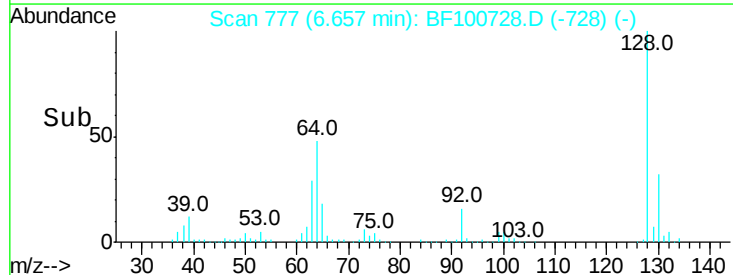
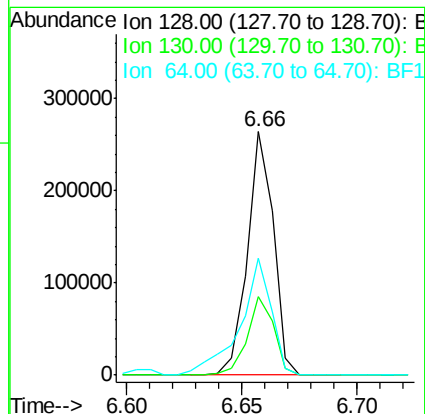
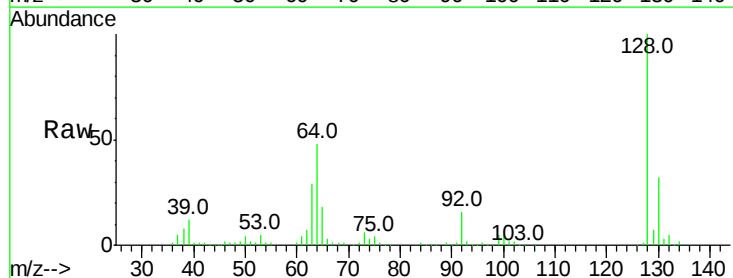
RT: 6.66 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

| Tgt Ion | 128   | Resp  | 208747 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 128     | 100   |       |        |
| 130     | 32.1  | 13.0  | 53.0   |
| 64      | 48.2  | 29.4  | 69.4   |





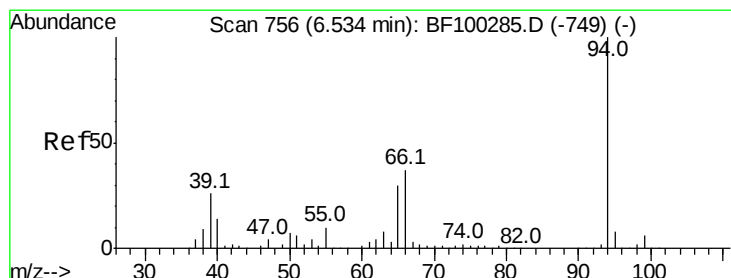
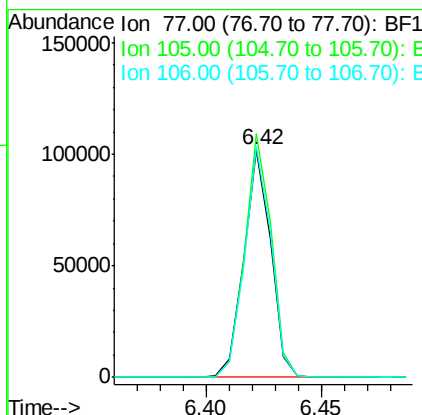
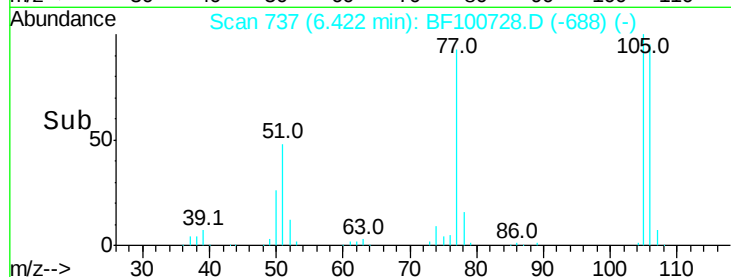
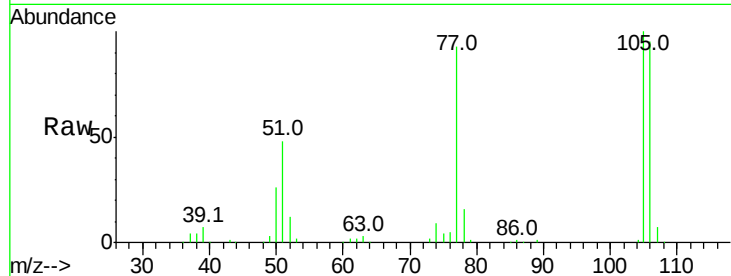
#9  
Benzaldehyde  
Concen: 17.613 ng  
RT: 6.42 min Scan# 737  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampled :  
IDOC-SOIL-02

Tot Ion: 77 Resp: 83181  
Ion Ratio Lower Upper  
77 100  
105 107.0 81.1 121.1  
106 101.4 74.5 114.5

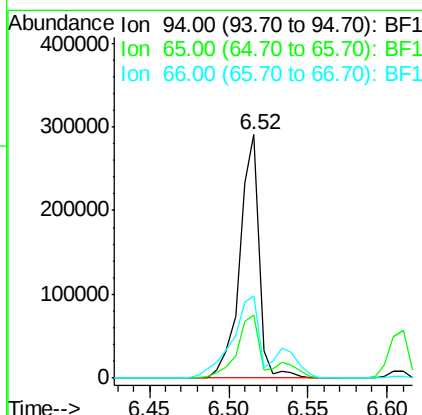
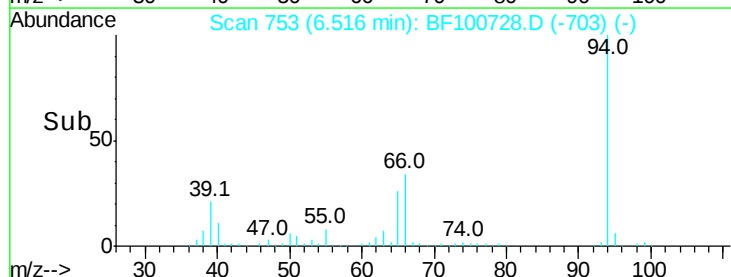
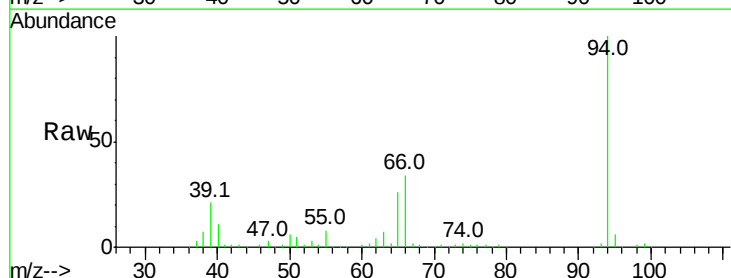
Manual Integrations  
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#10  
Phenol  
Concen: 35.270 ng  
RT: 6.52 min Scan# 753  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Tgt Ion: 94 Resp: 244850  
Ion Ratio Lower Upper  
94 100  
65 25.9 7.9 47.9  
66 33.9 16.2 56.2





#11

bis(2-Chloroethyl)ether

Concen: 32.577 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA\_F

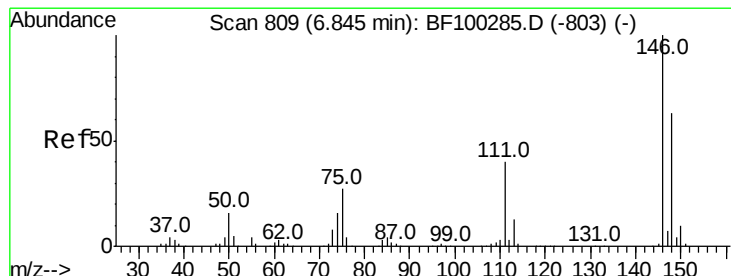
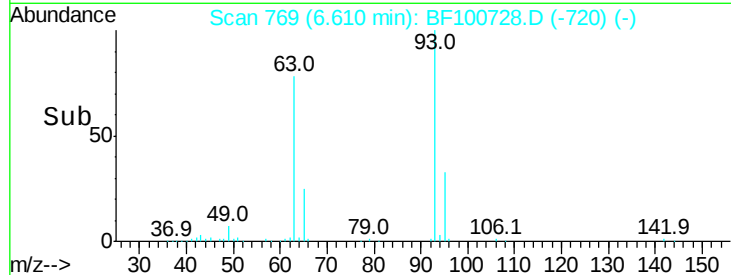
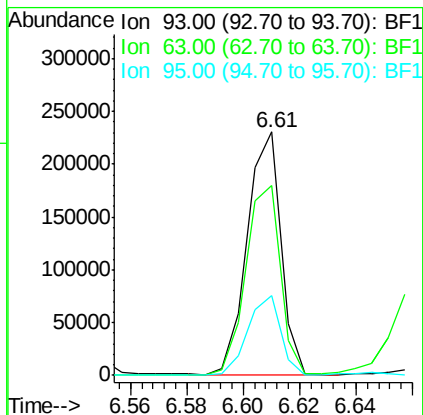
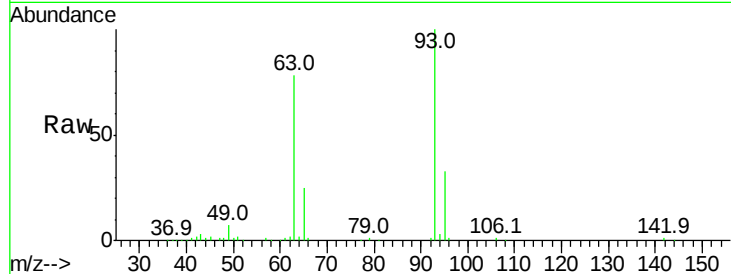
ClientSampleId :

IDOC-SOIL-02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 189960 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 78.2  | 58.6  | 98.6   |
| 95        | 32.5  | 11.8  | 51.8   |

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#12

1,3-Dichlorobenzene

Concen: 35.903 ng

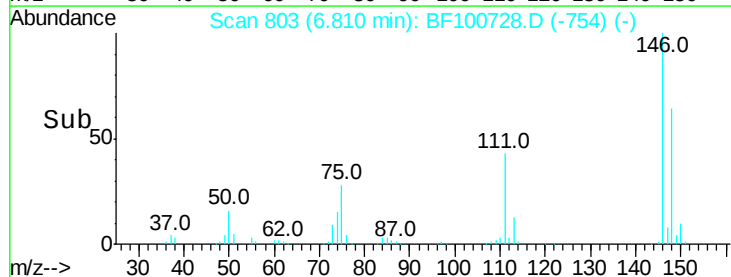
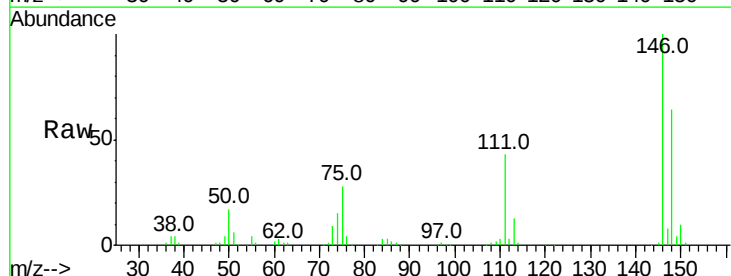
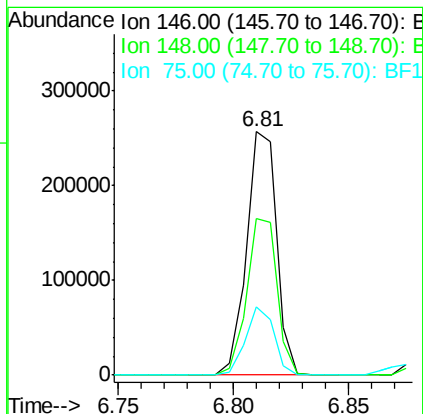
RT: 6.81 min Scan# 803

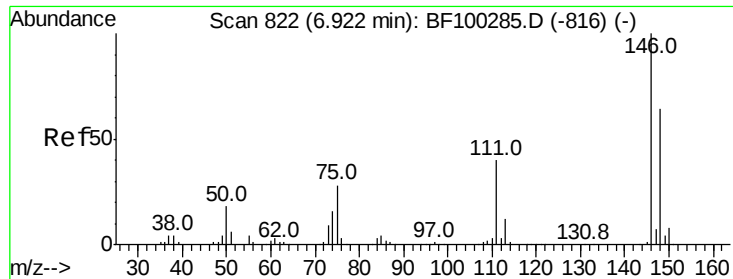
Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 234836 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.1  | 51.8  | 77.8   |
| 75        | 27.8  | 24.2  | 36.4   |





#13

1,4-Dichlorobenzene

Concen: 36.181 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA\_F

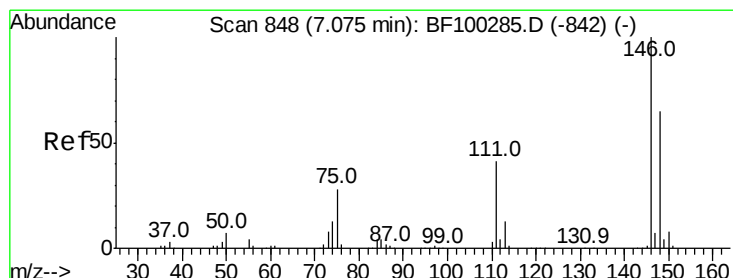
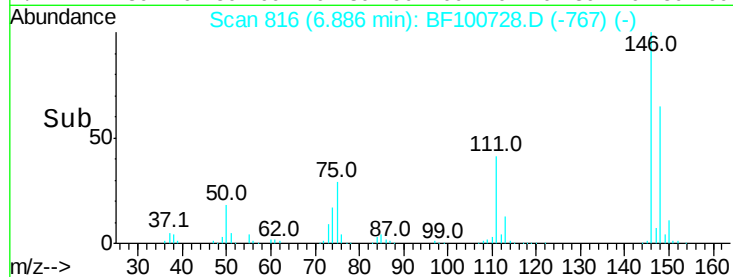
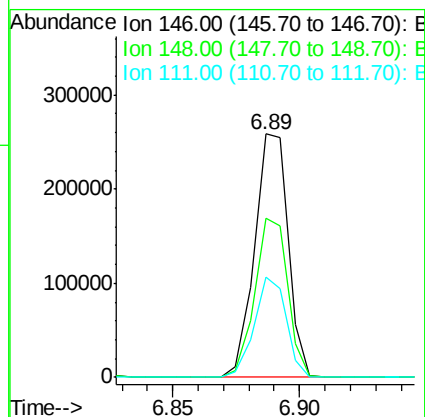
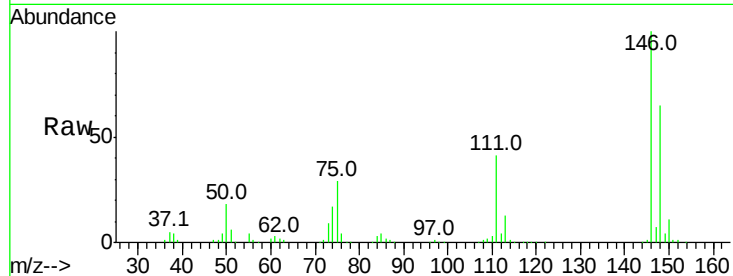
ClientSampleId :

IDOC-SOIL-02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 239523 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.3  | 50.8  | 76.2   |
| 111       | 41.3  | 34.2  | 51.2   |

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#14

1,2-Dichlorobenzene

Concen: 36.879 ng

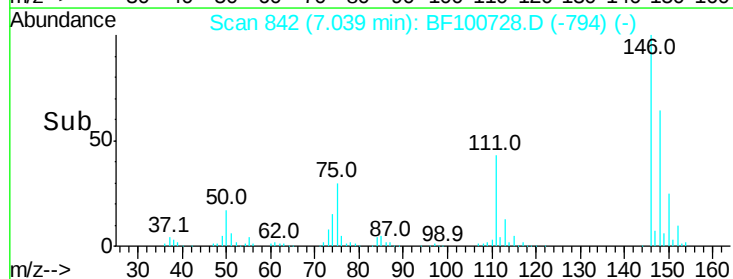
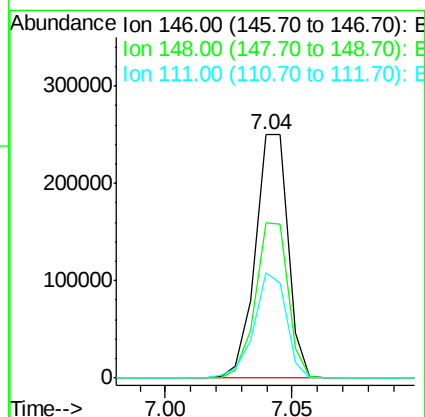
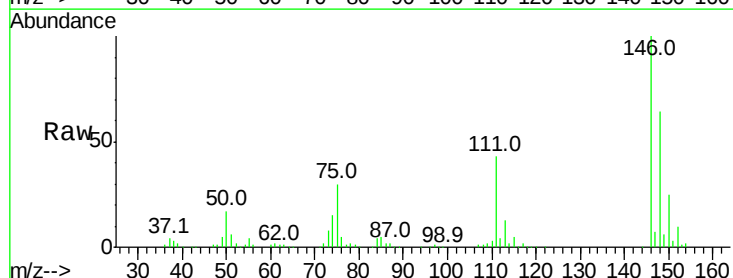
RT: 7.04 min Scan# 842

Delta R.T. -0.02 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 225732 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.7  | 50.6  | 75.8   |
| 111       | 43.1  | 36.0  | 54.0   |





#15

Benzyl Alcohol

Concen: 34.249 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA\_F

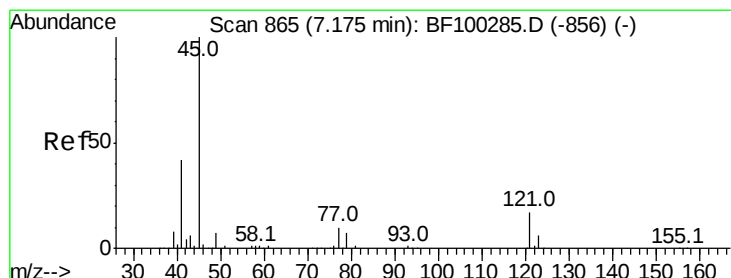
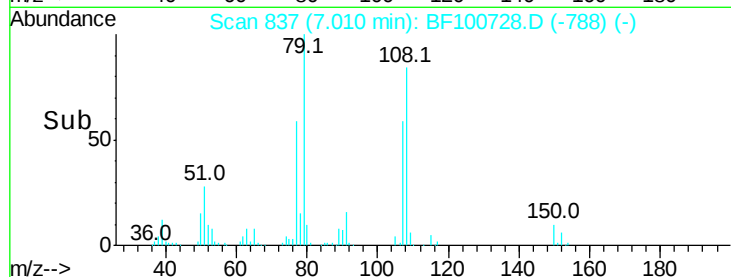
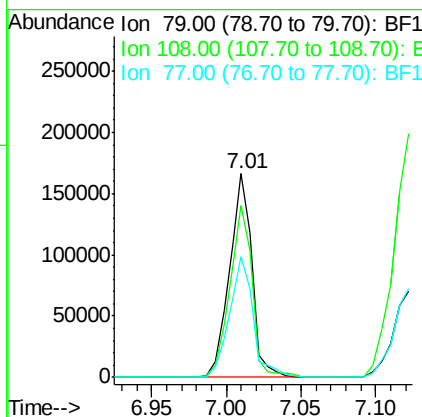
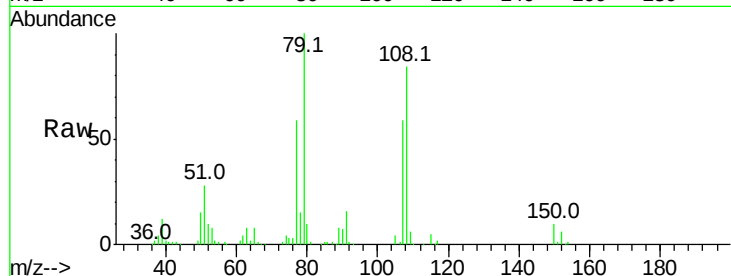
ClientSampled :

IDOC-SOIL-02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 176763 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 84.5  | 65.1  | 97.7   |
| 77        | 59.2  | 50.6  | 75.8   |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 35.903 ng

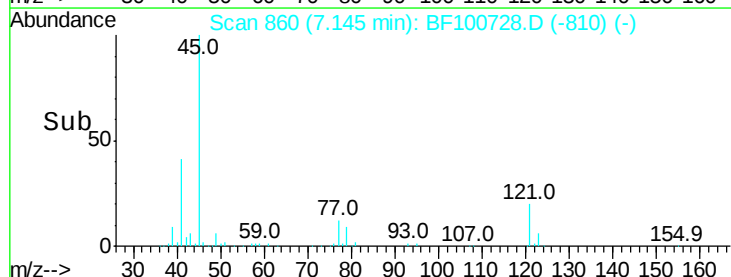
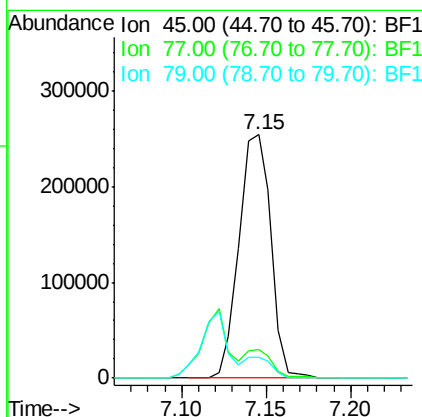
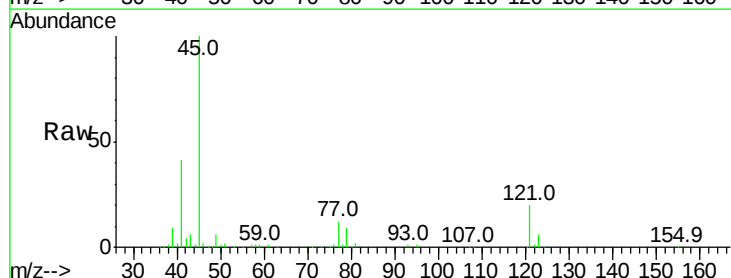
RT: 7.15 min Scan# 860

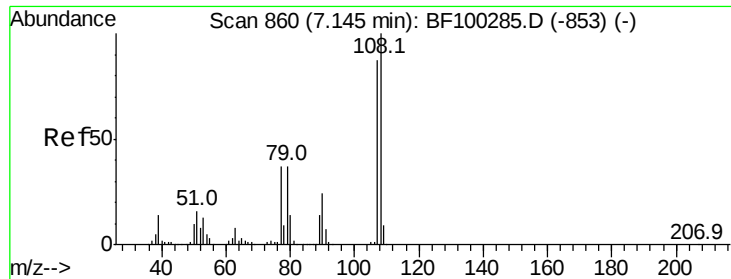
Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 334839 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 11.5  | 0.0   | 32.9   |
| 79        | 8.8   | 0.0   | 29.6   |





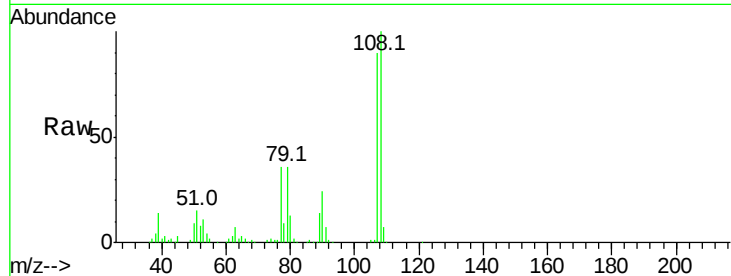
#17  
2-Methylphenol  
Concen: 36.322 ng  
RT: 7.12 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

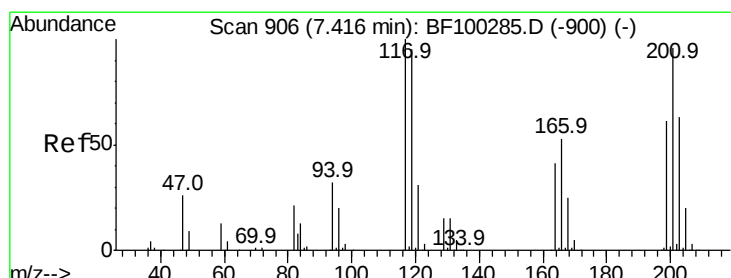
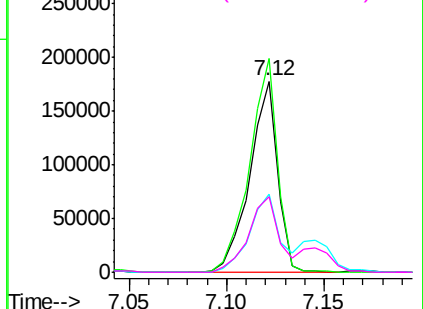
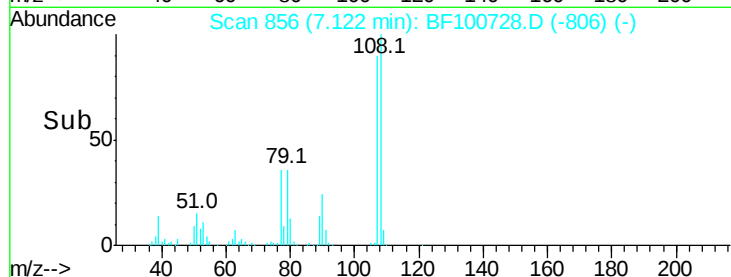
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 111.6 | 91.7 | 137.5 |       |
| 77      | 40.6  | 33.8 | 50.8  |       |
| 79      | 39.7  | 33.8 | 50.8  |       |

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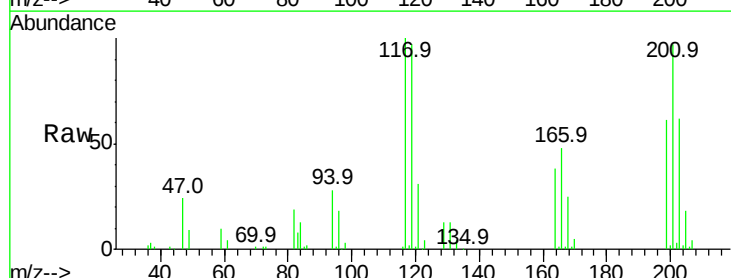


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

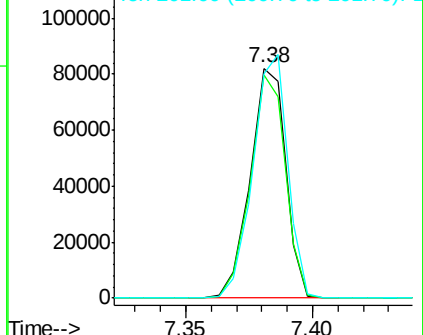
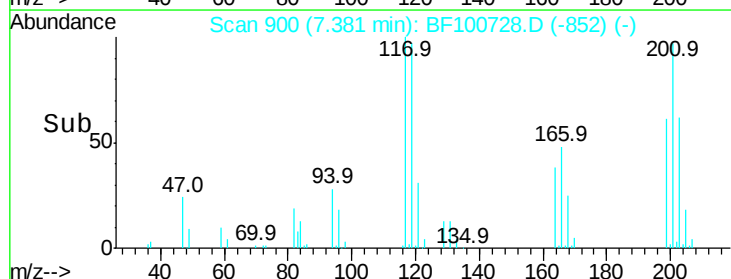


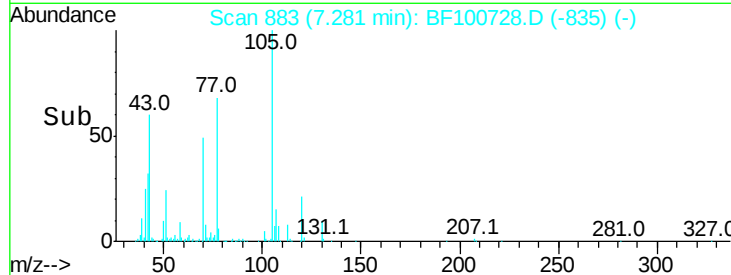
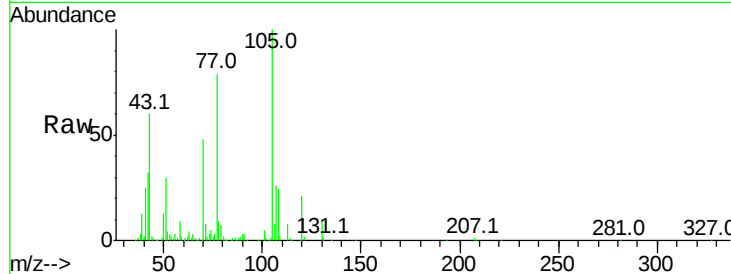
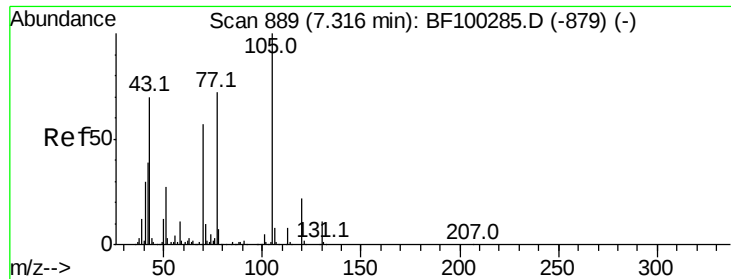
#18  
Hexachloroethane  
Concen: 36.832 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.02 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 97.3  | 75.8 | 113.8 |       |
| 201     | 97.5  | 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





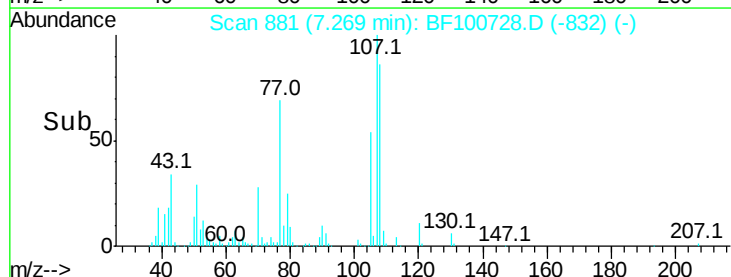
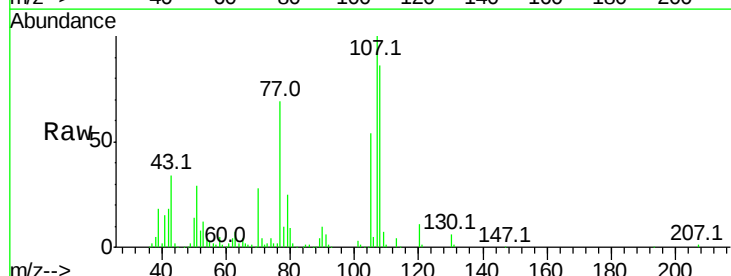
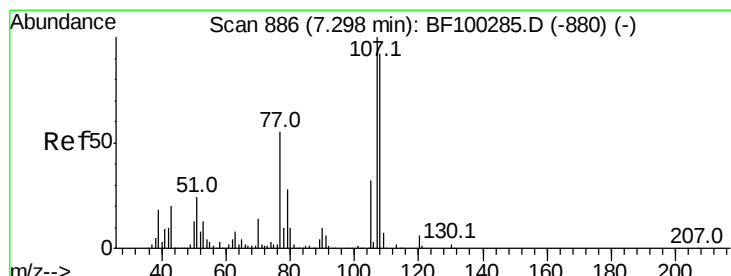
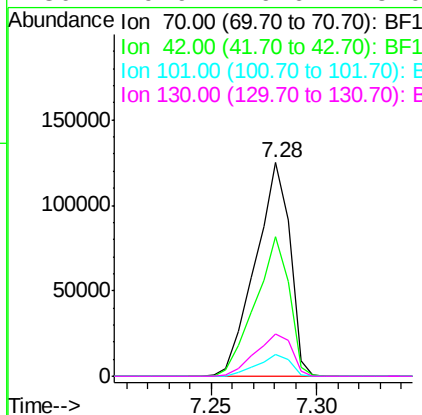
#19  
n-Nitroso-di-n-propylamine  
Concen: 30.965 ng  
RT: 7.28 min Scan# 883  
Delta R.T. -0.02 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion   | 70    | Resp  | 142009 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 70        | 100   |       |        |
| 42        | 65.2  | 47.5  | 71.3   |
| 101       | 10.0  | 7.4   | 11.2   |
| 130       | 19.9  | 16.6  | 25.0   |

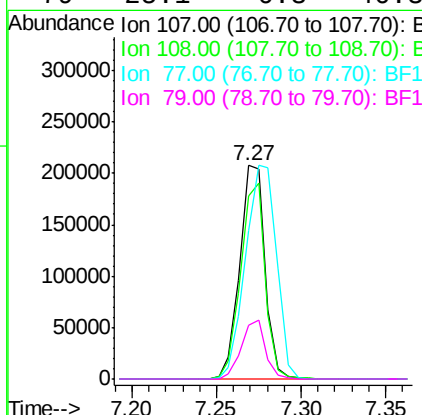
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#20  
3+4-Methylphenols  
Concen: 35.349 ng  
RT: 7.27 min Scan# 881  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion   | 107   | Resp  | 216865 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 86.0  | 68.2  | 108.2  |
| 77        | 69.3  | 26.7  | 66.7#  |
| 79        | 25.1  | 6.3   | 46.3   |





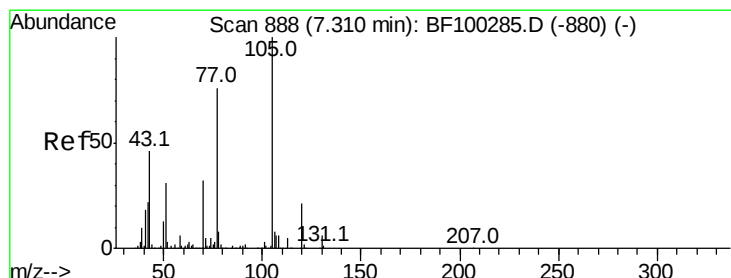
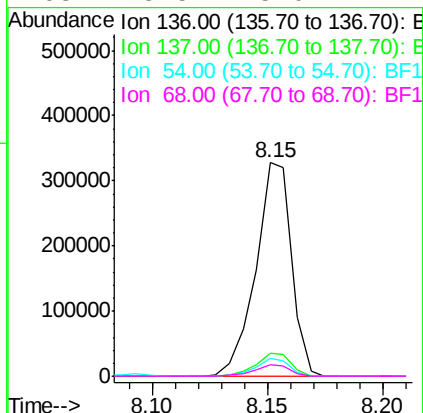
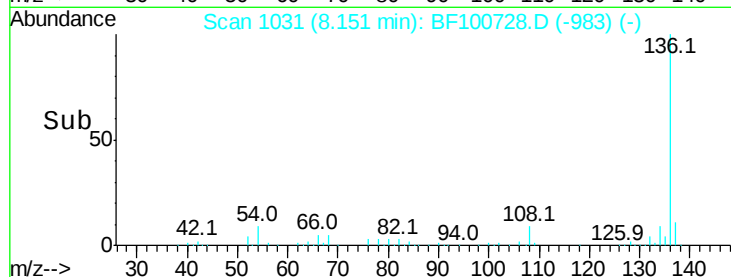
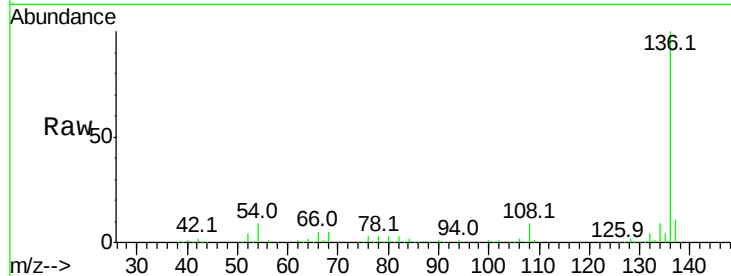
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. -0.02 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.7  | 8.9  | 13.3  |       |
| 54      | 8.6   | 6.6  | 9.8   |       |
| 68      | 5.5   | 5.0  | 7.4   |       |

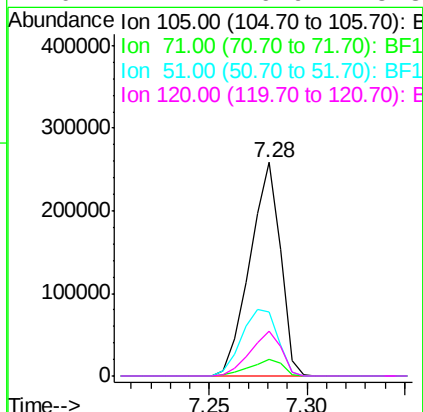
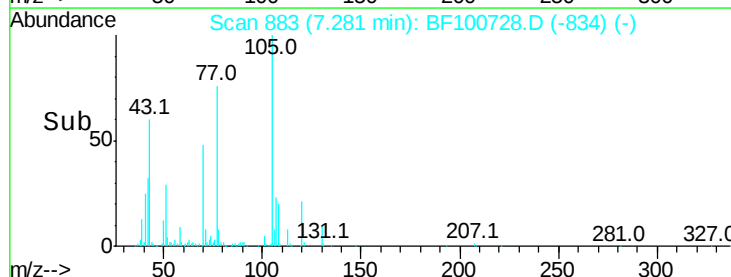
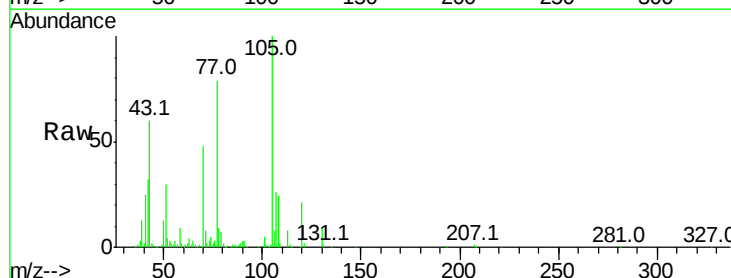
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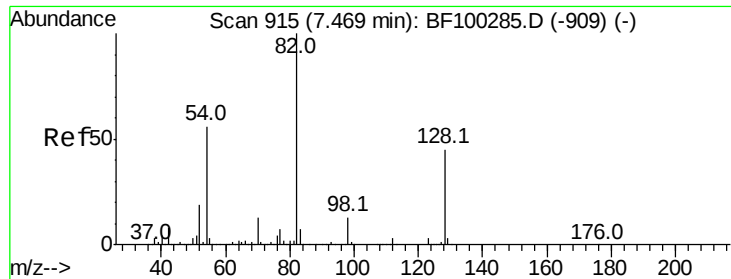
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#22  
Acetophenone  
Concen: 32.429 ng  
RT: 7.28 min Scan# 883  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 7.9   | 4.4  | 6.6#  |       |
| 51      | 30.2  | 22.3 | 33.5  |       |
| 120     | 21.2  | 16.9 | 25.3  |       |





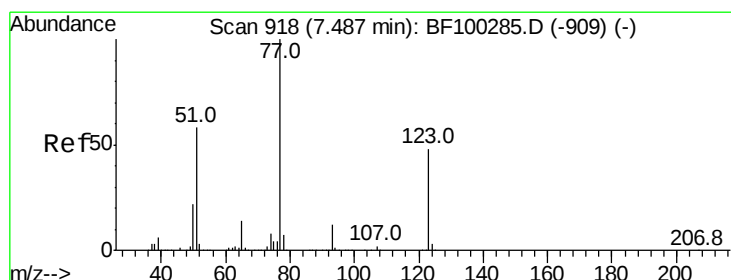
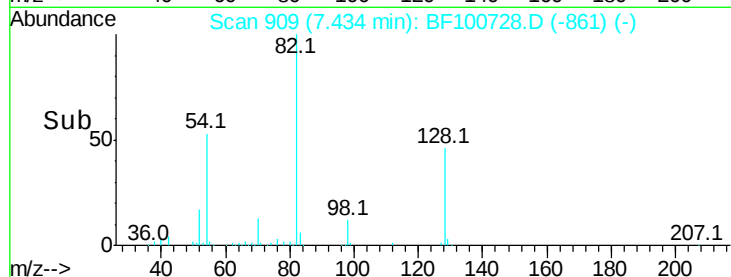
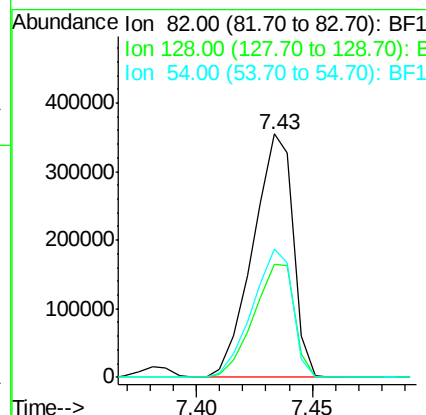
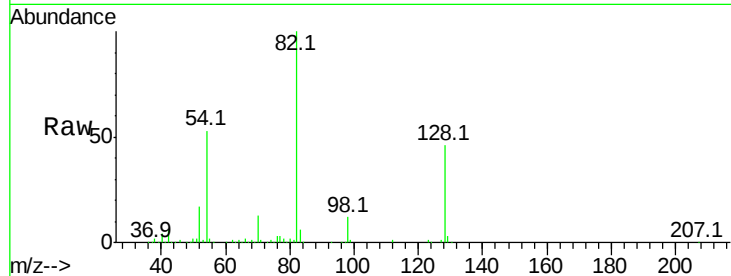
#23  
 Nitrobenzene-d5  
 Concen: 80.376 ng  
 RT: 7.43 min Scan# 909  
 Delta R.T. -0.02 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.3  | 36.1  | 54.1  |
| 54      | 52.8  | 41.4  | 62.2  |

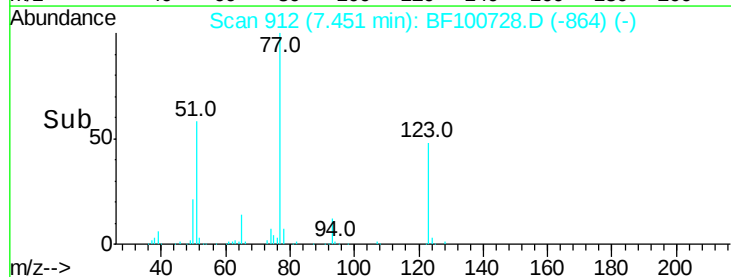
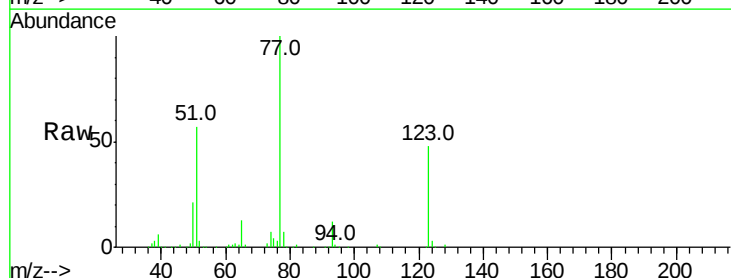
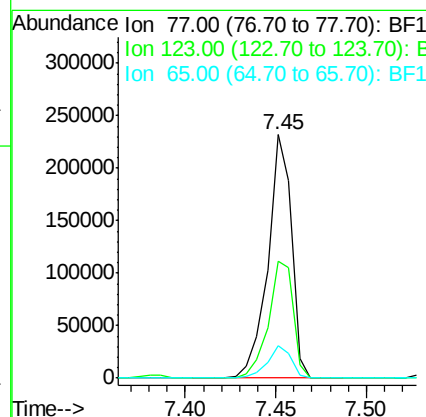
Manual Integrations  
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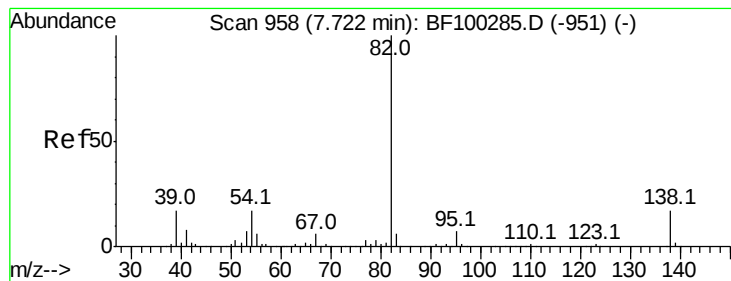
SOHIL  
 11/21/2017 2:15:09 PM



#24  
 Nitrobenzene  
 Concen: 38.111 ng  
 RT: 7.45 min Scan# 912  
 Delta R.T. -0.02 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 48.3  | 37.9  | 56.9  |
| 65      | 13.5  | 11.0  | 16.4  |





#25

Isophorone

Concen: 34.147 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA\_F

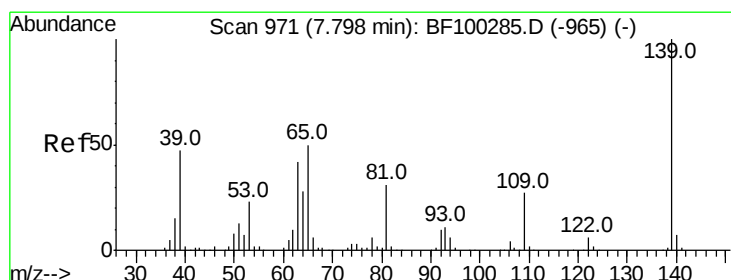
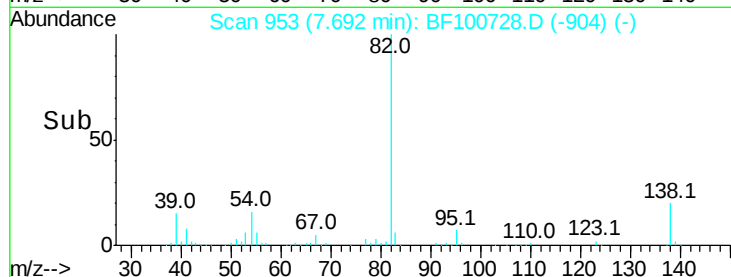
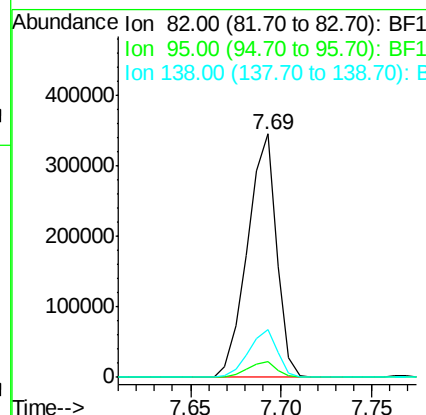
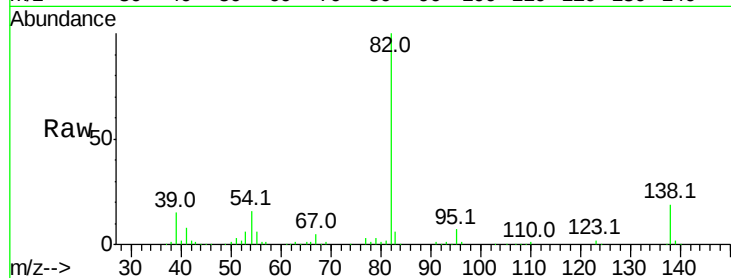
ClientSampleId :

IDOC-SOIL-02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 384459 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.5   | 5.2   | 7.8    |
| 138       | 19.5  | 14.9  | 22.3   |

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#26

2-Nitrophenol

Concen: 45.109 ng

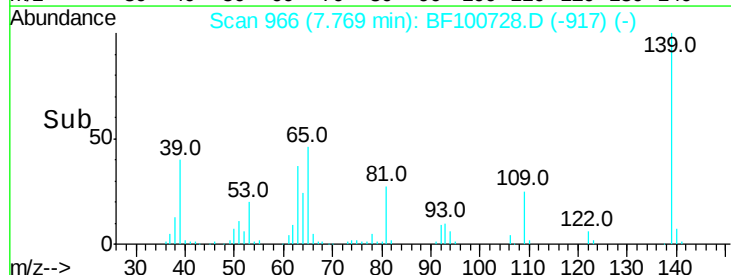
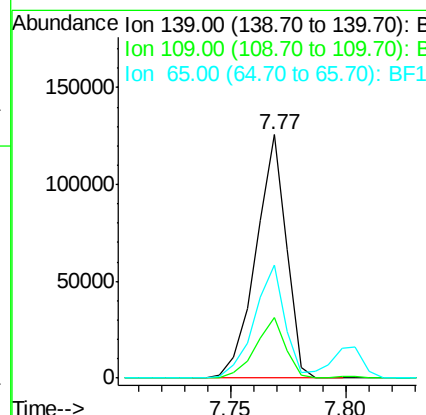
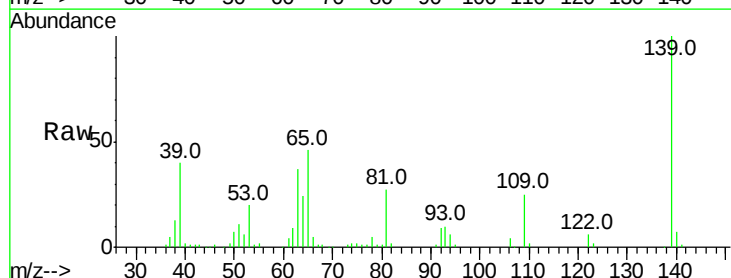
RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 115687 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 24.7  | 22.7  | 34.1   |
| 65        | 46.4  | 40.5  | 60.7   |





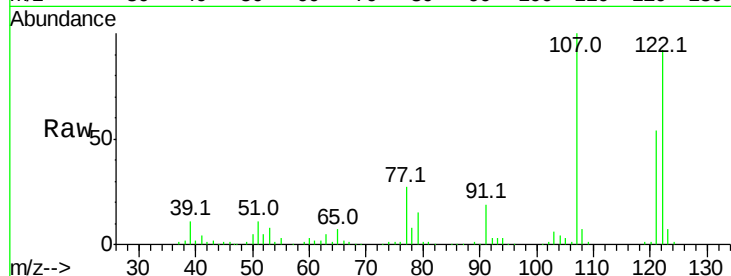
#27  
2,4-Dimethylphenol  
Concen: 39.124 ng  
RT: 7.80 min Scan# 972  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

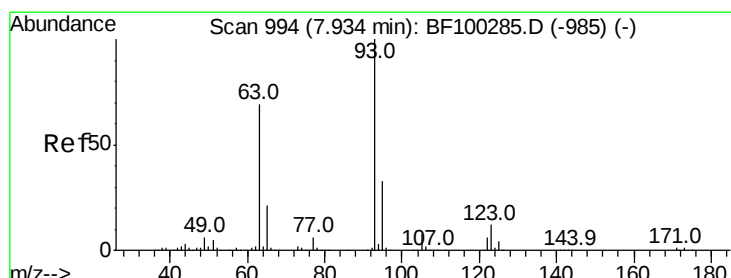
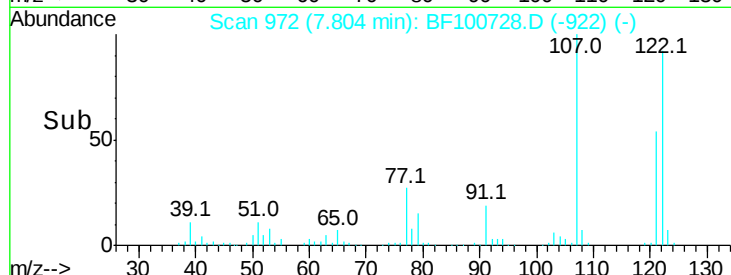
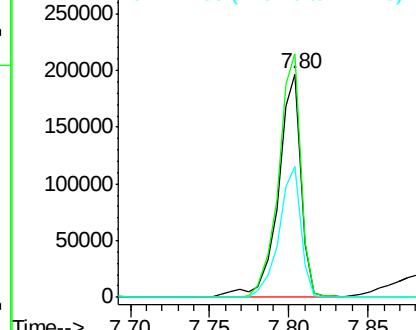
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 108.9 | 91.2  | 136.8 |
| 121     | 58.8  | 47.2  | 70.8  |

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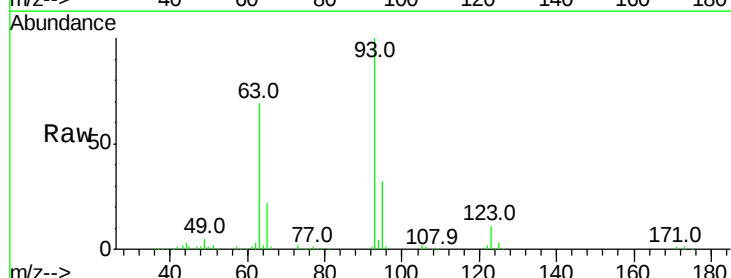


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

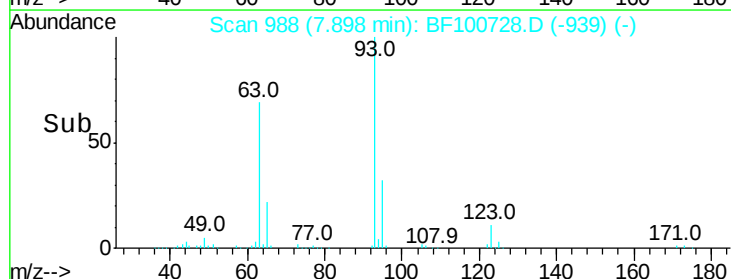
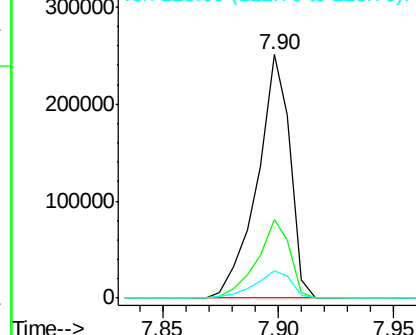


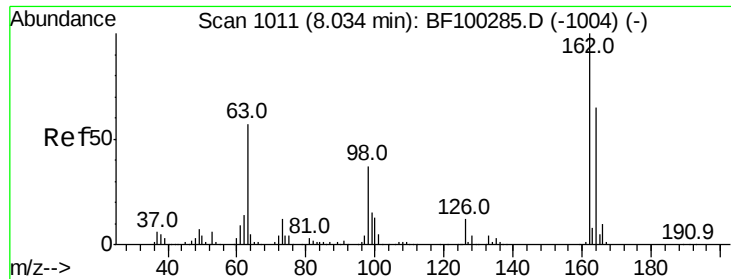
#28  
bis(2-Chloroethoxy)methane  
Concen: 33.645 ng  
RT: 7.90 min Scan# 988  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.2  | 26.3  | 39.5  |
| 123     | 11.3  | 9.8   | 14.6  |



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





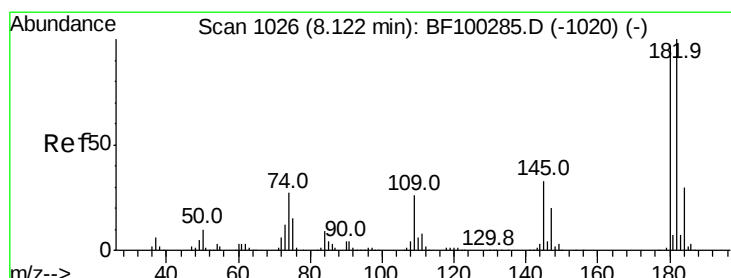
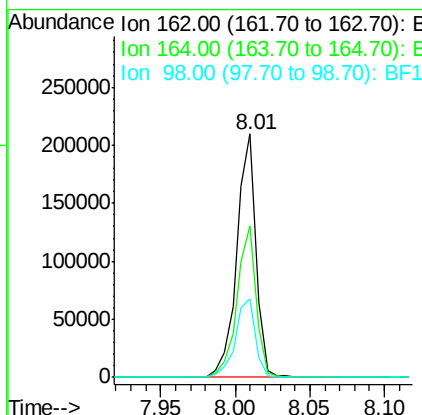
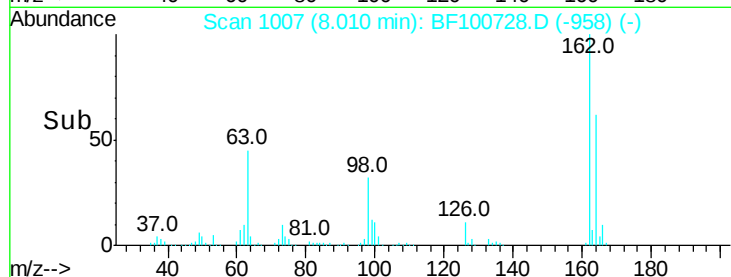
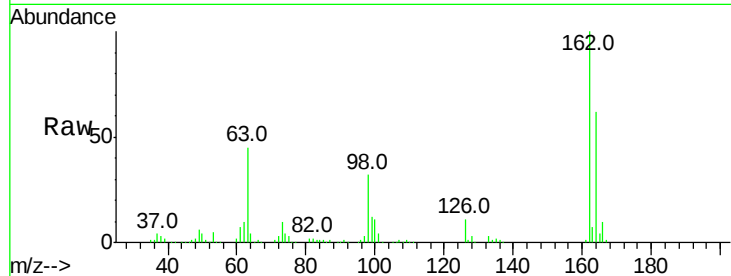
#29  
2,4-Dichlorophenol  
Concen: 39.410 ng  
RT: 8.01 min Scan# 1007  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 189891 |       |       |
| 164     | 62.0  |        | 42.7  | 82.7  |
| 98      | 32.4  |        | 18.1  | 58.1  |

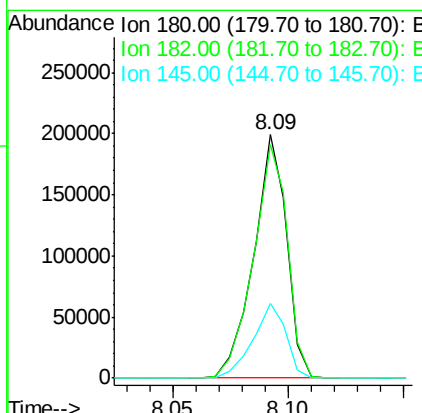
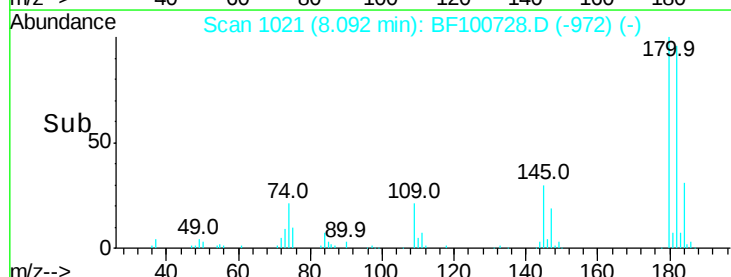
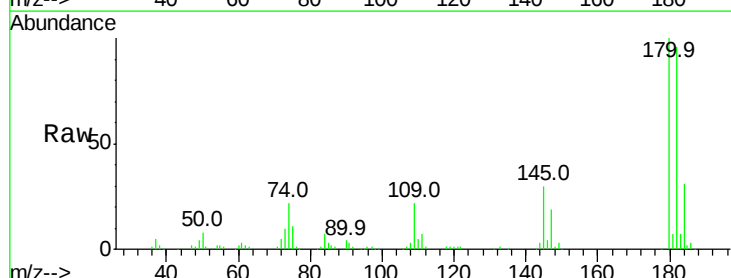
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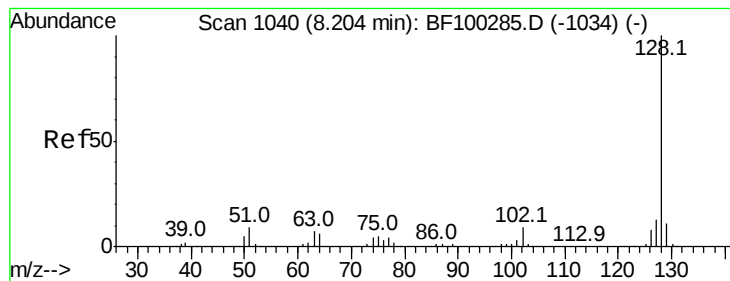
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11/21/2017 2:15:09 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 37.824 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 197135 |       |       |
| 182     | 95.6  |        | 76.8  | 115.2 |
| 145     | 30.4  |        | 26.5  | 39.7  |





#31

Naphthalene

Concen: 35.934 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA\_F

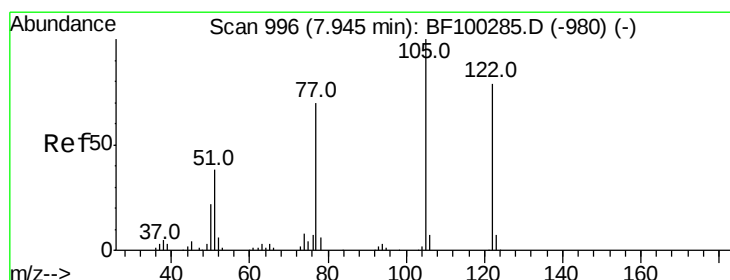
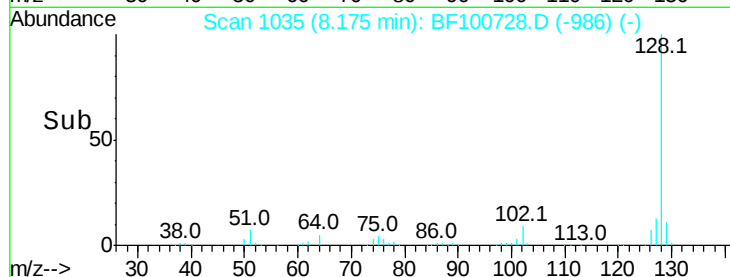
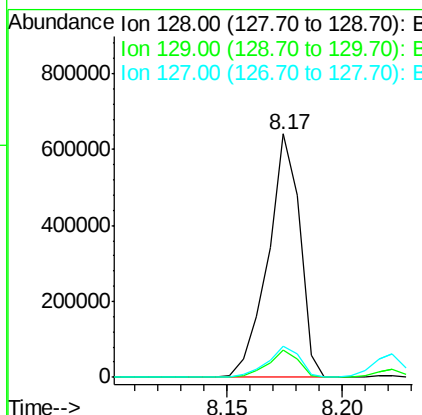
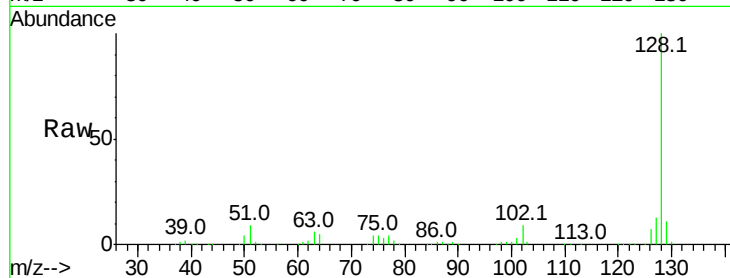
ClientSampleId :

IDOC-SOIL-02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 613081 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.3  | 8.8   | 13.2   |
| 127       | 13.0  | 10.9  | 16.3   |

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#32

Benzoic acid

Concen: 20.332 ng m

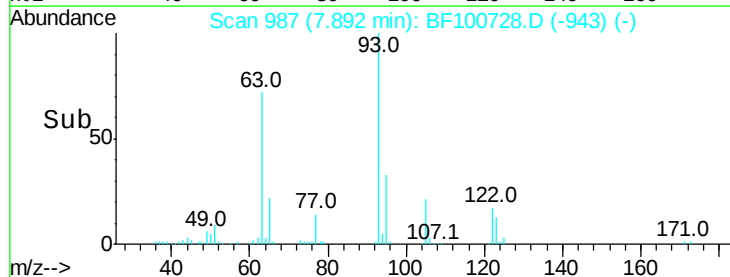
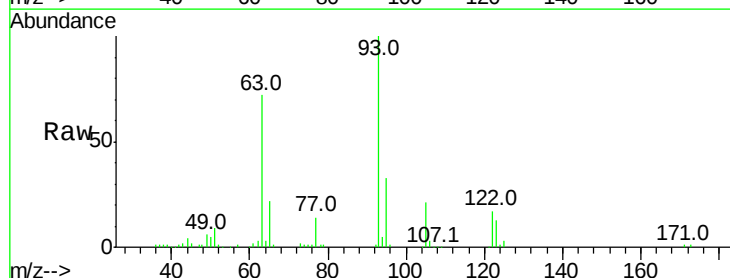
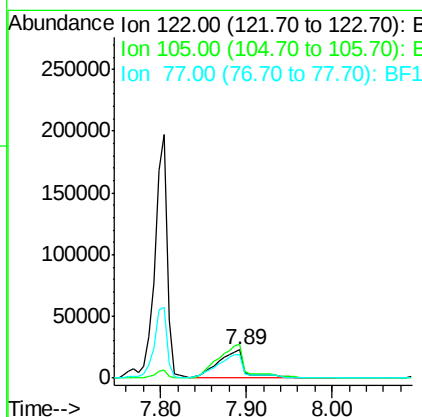
RT: 7.89 min Scan# 987

Delta R.T. -0.04 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 52642 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 120.9 | 101.1 | 141.1 |
| 77        | 84.1  | 70.7  | 110.7 |





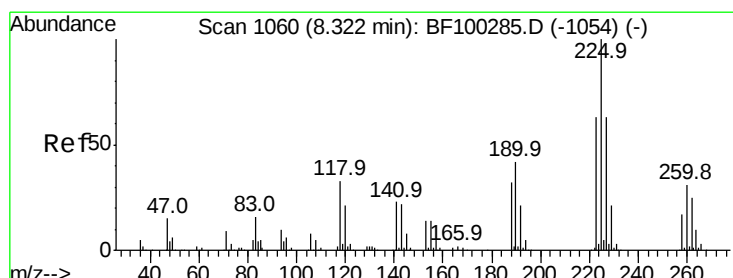
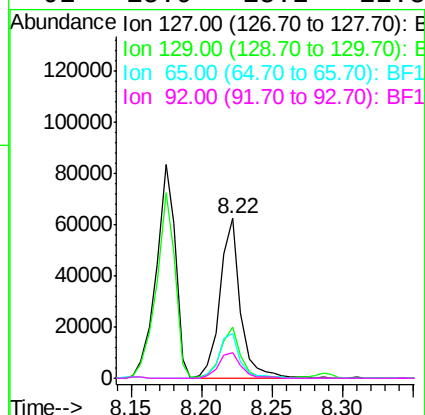
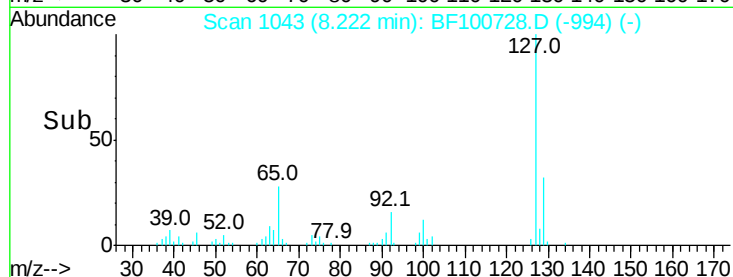
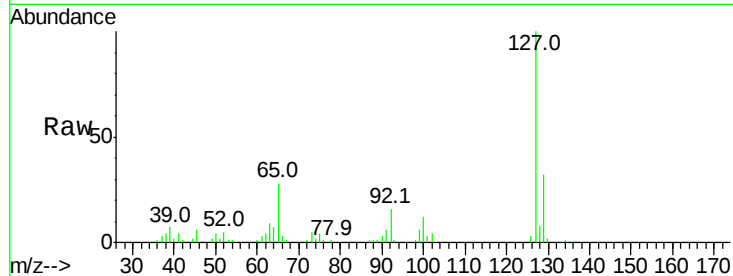
#33  
4-Chloroaniline  
Concen: 8.866 ng  
RT: 8.22 min Scan# 1043  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.2  | 25.9  | 38.9  |
| 65      | 28.0  | 25.0  | 37.4  |
| 92      | 15.9  | 15.2  | 22.8  |

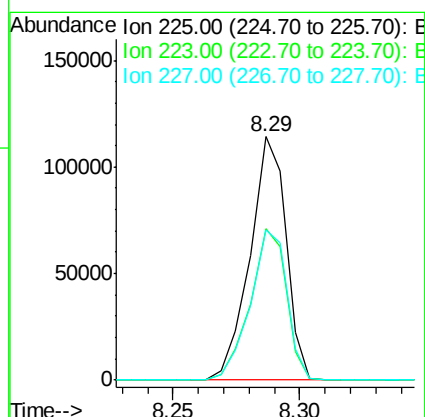
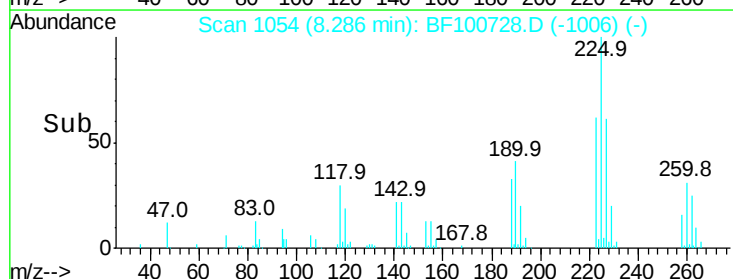
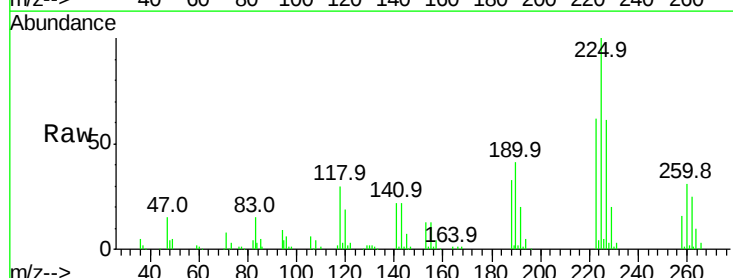
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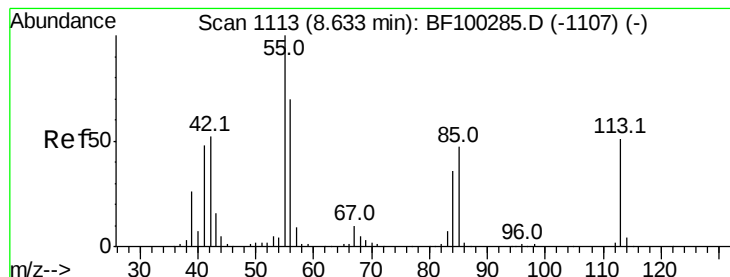
SOHIL  
11/21/2017 2:15:09 PM



#34  
Hexachlorobutadiene  
Concen: 36.552 ng  
RT: 8.29 min Scan# 1054  
Delta R.T. -0.02 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.0  | 50.6  | 76.0  |
| 227     | 61.4  | 51.9  | 77.9  |





#35

Caprolactam

Concen: 30.407 ng

RT: 8.59 min Scan# 1106

Delta R.T. -0.02 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA\_F

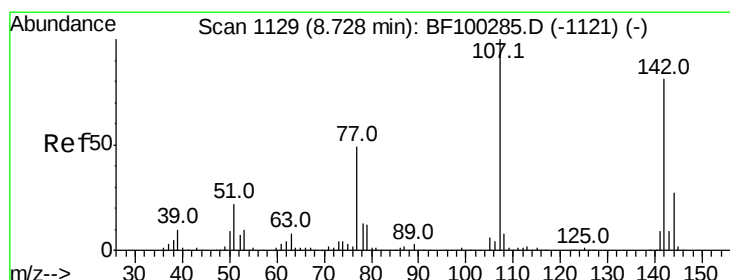
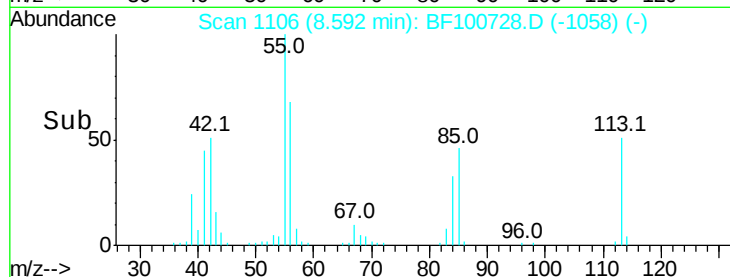
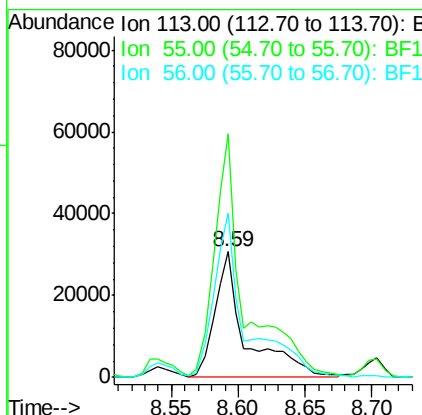
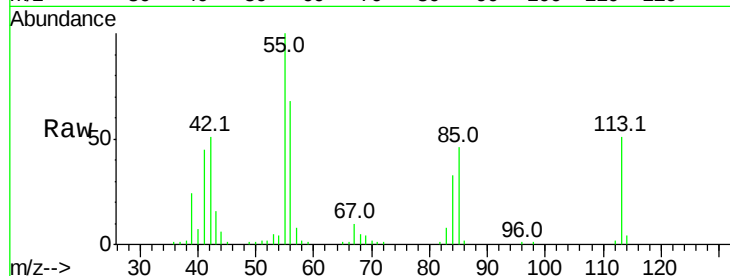
ClientSampleId :

IDOC-SOIL-02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 50279 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 55       | 194.4 | 163.3 | 203.3 |
| 56       | 131.5 | 115.7 | 155.7 |

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11/21/2017 2:15:09 PM



#36

4-Chloro-3-methylphenol

Concen: 36.281 ng

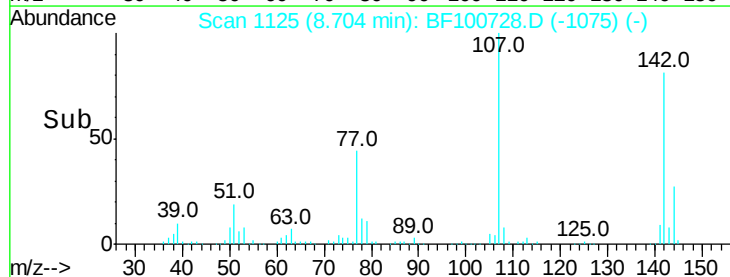
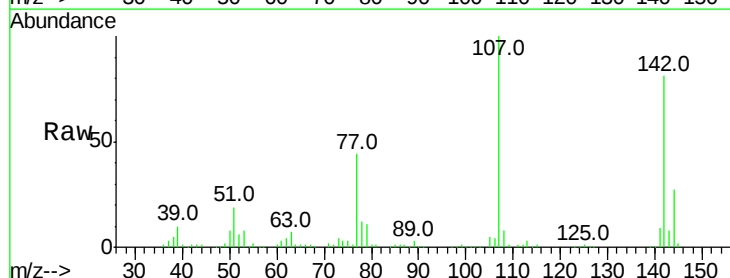
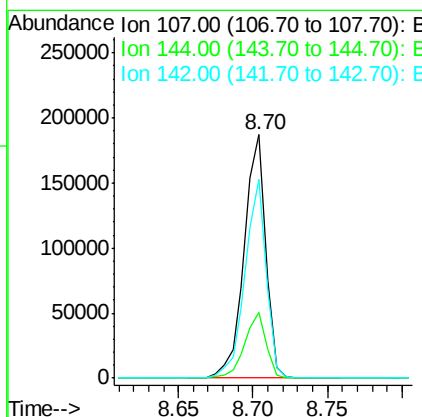
RT: 8.70 min Scan# 1125

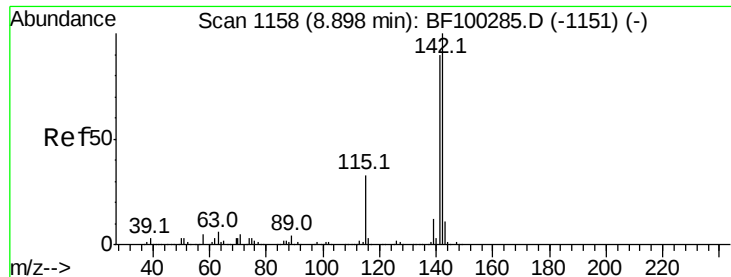
Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 187750 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 144      | 27.2  | 20.5  | 30.7   |
| 142      | 81.4  | 62.0  | 93.0   |





#37

2-Methylnaphthalene

Concen: 37.080 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF100728.D

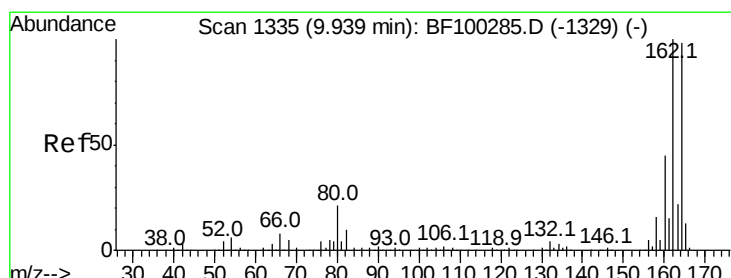
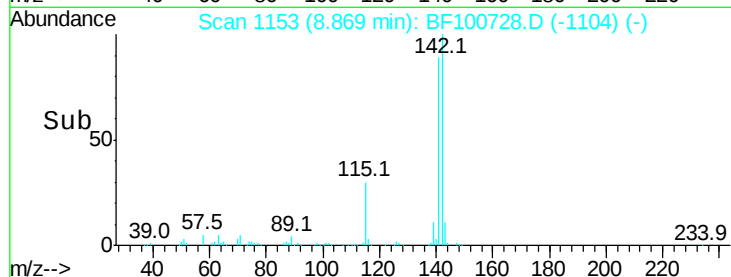
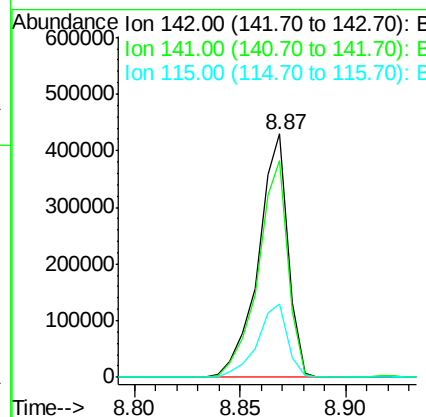
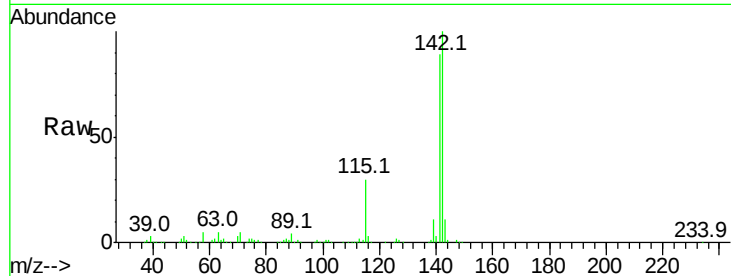
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.2  | 70.8  | 106.2 |
| 115     | 30.2  | 26.1  | 39.1  |

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#38

Acenaphthene-d10

Concen: 20.000 ng

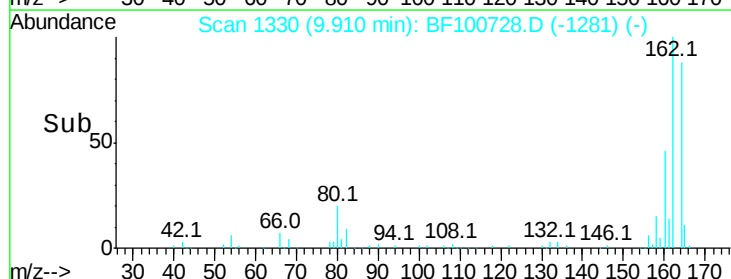
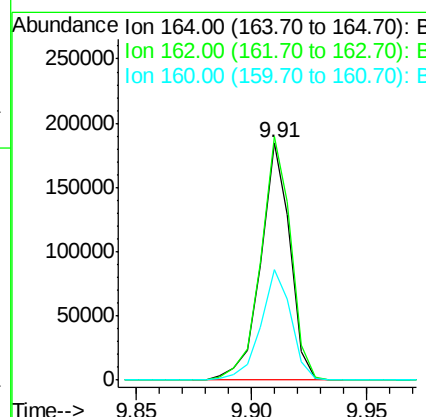
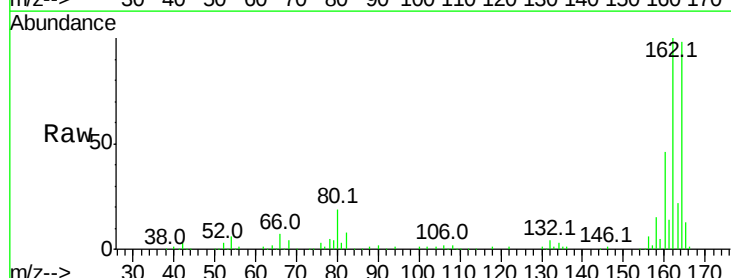
RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.5 | 86.1  | 129.1 |
| 160     | 46.7  | 38.3  | 57.5  |





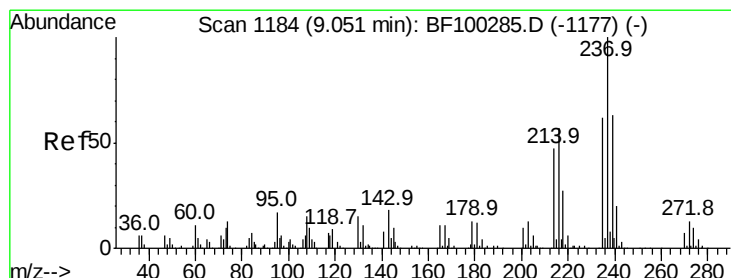
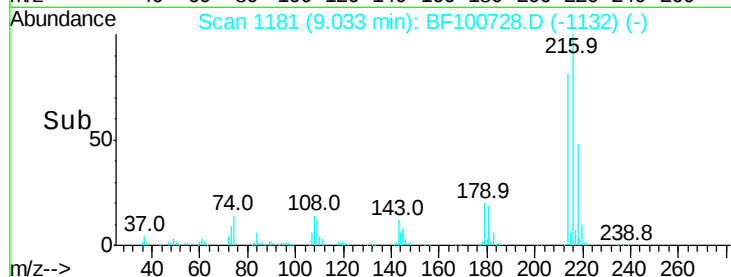
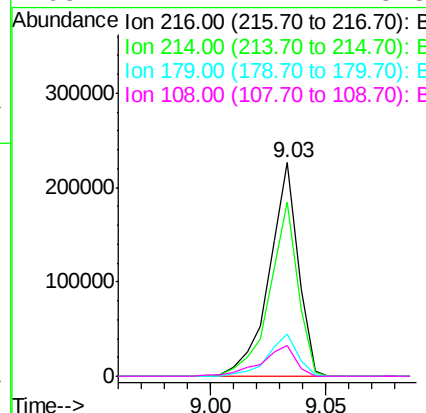
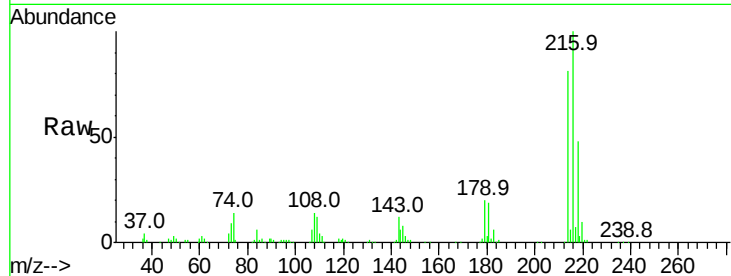
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 36.262 ng  
 RT: 9.03 min Scan# 1181  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 196191 |       |       |
| 214     | 79.7  | 63.0   | 94.4  |       |
| 179     | 20.0  | 18.1   | 27.1  |       |
| 108     | 17.1  | 17.2   | 25.8  |       |

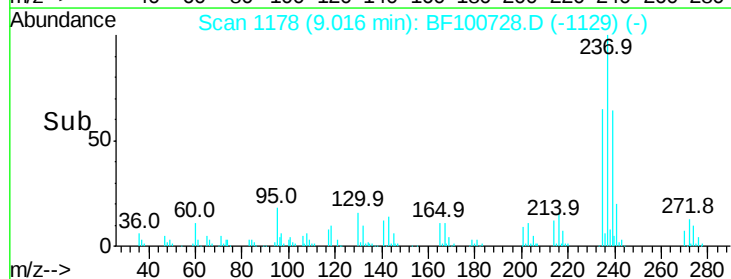
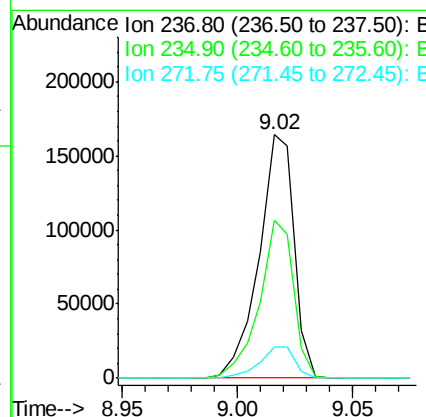
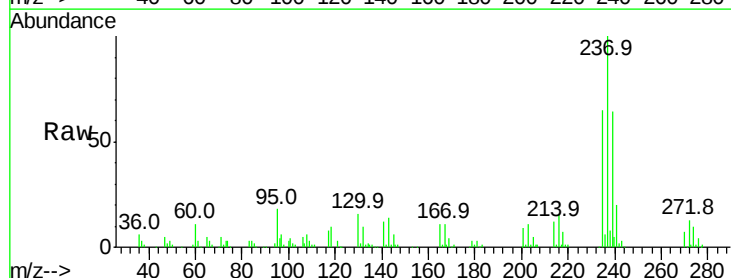
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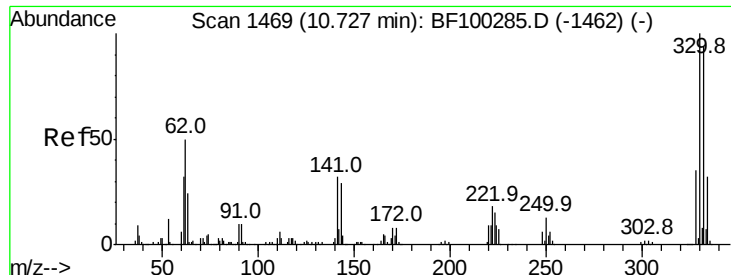
SOHIL  
 11/21/2017 2:15:09 PM



#40  
 Hexachlorocyclopentadiene  
 Concen: 68.389 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 174147 |       |       |
| 235     | 64.6  | 44.8   | 84.8  |       |
| 272     | 12.9  | 0.0    | 33.3  |       |





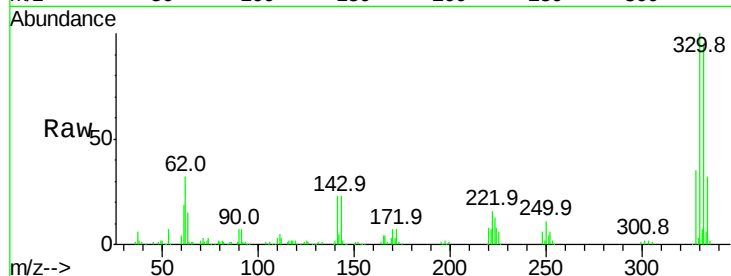
#41  
 2,4,6-Tribromophenol  
 Concen: 116.314 ng  
 RT: 10.70 min Scan# 1465  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

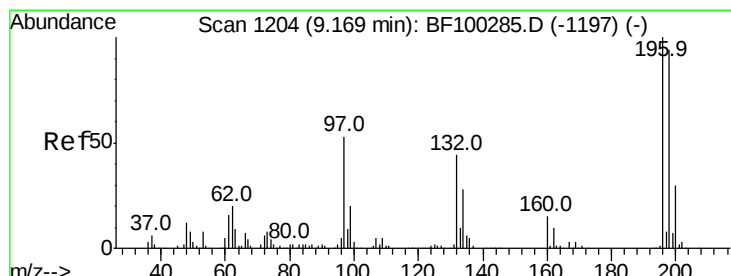
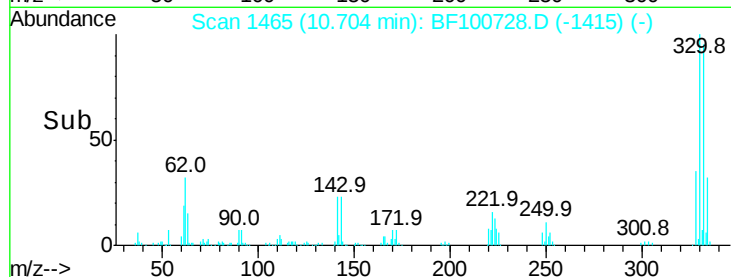
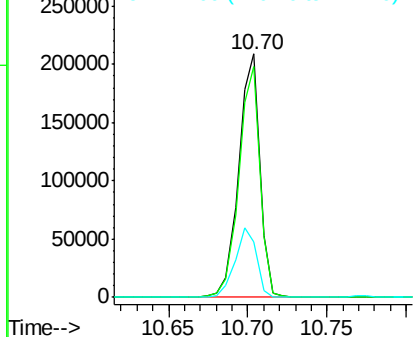
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 94.4  | 77.0 | 115.6 |       |
| 141     | 29.0  | 29.9 | 44.9# |       |

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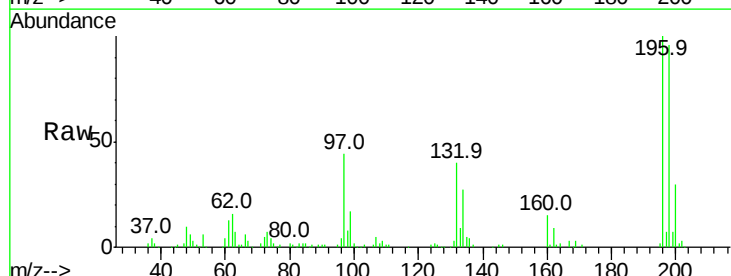


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

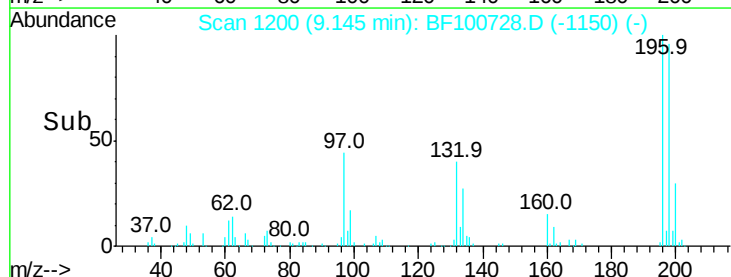
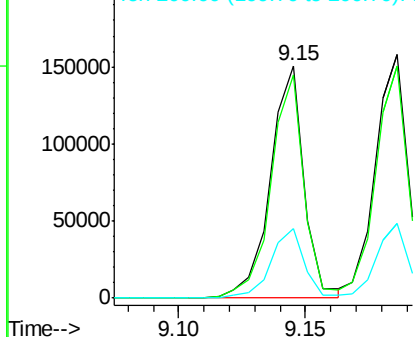


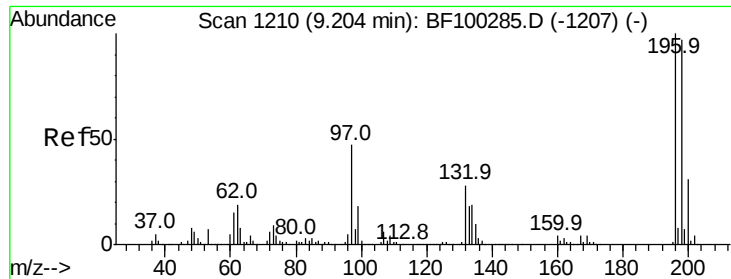
#42  
 2,4,6-Trichlorophenol  
 Concen: 40.780 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 95.9  | 75.7 | 113.5 |       |
| 200     | 30.2  | 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





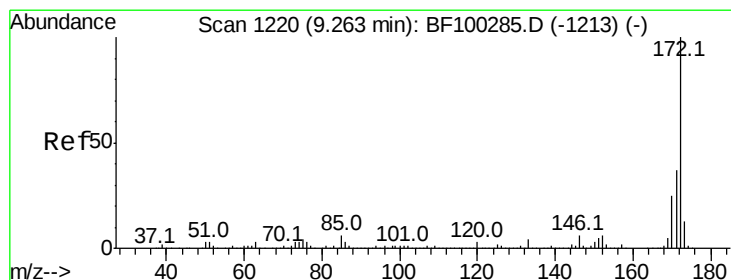
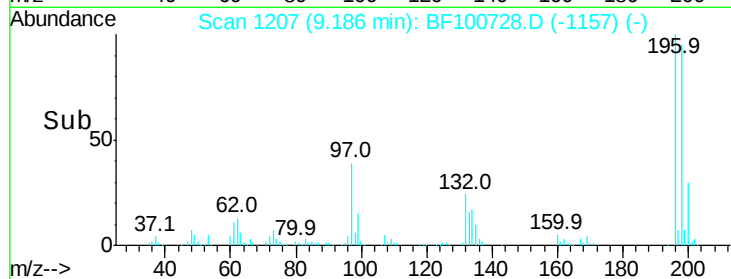
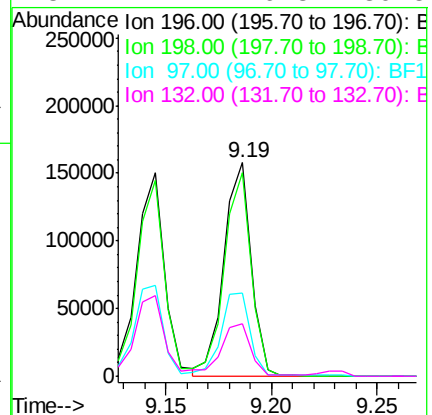
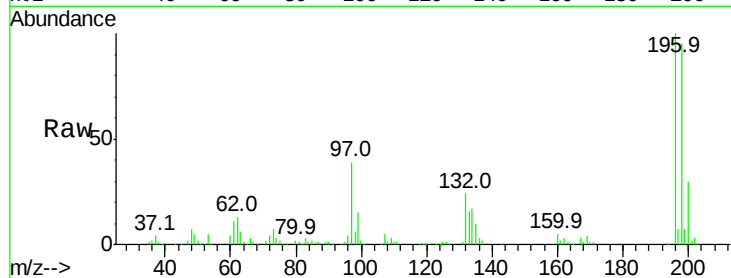
#43  
 2,4,5-Trichlorophenol  
 Concen: 39.897 ng  
 RT: 9.19 min Scan# 1207  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 141745 |       |       |
| 198     | 95.3  | 74.6   | 112.0 |       |
| 97      | 39.2  | 42.9   | 64.3  |       |
| 132     | 24.4  | 26.3   | 39.5  |       |

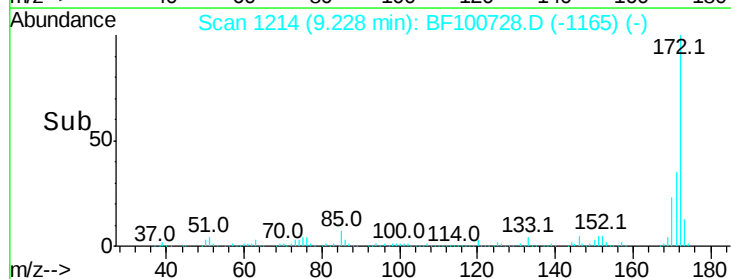
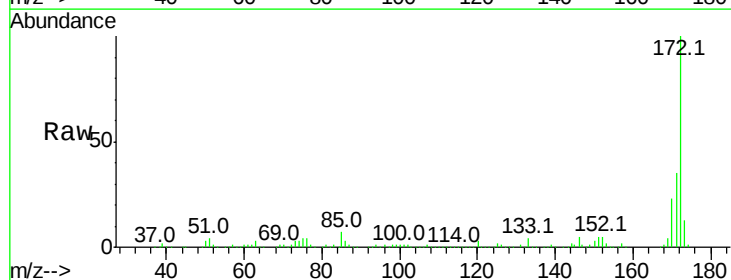
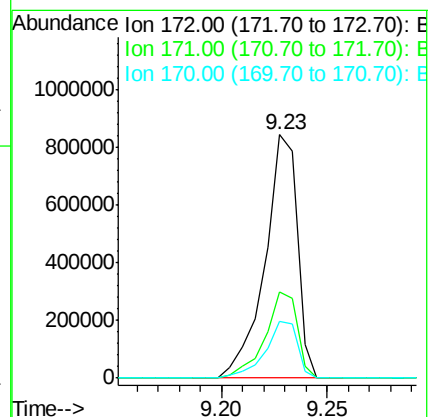
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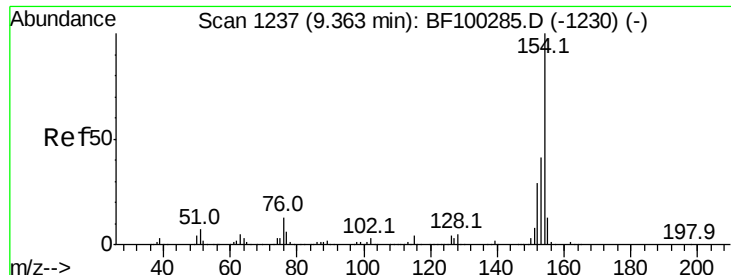
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#44  
 2-Fluorobiphenyl  
 Concen: 84.247 ng  
 RT: 9.23 min Scan# 1214  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 902586 |       |       |
| 171     | 35.3  | 29.7   | 44.5  |       |
| 170     | 23.4  | 19.6   | 29.4  |       |





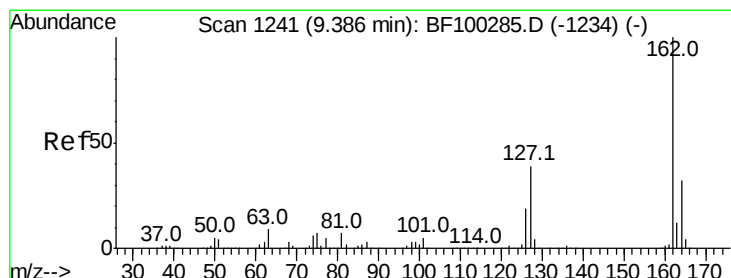
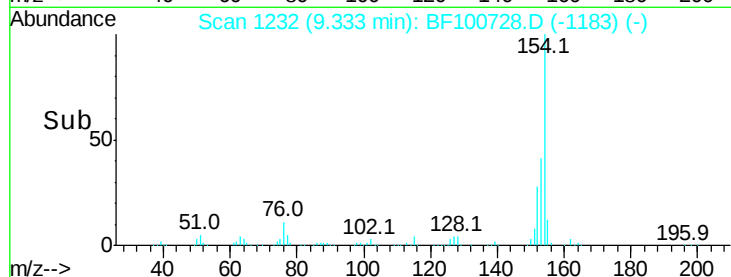
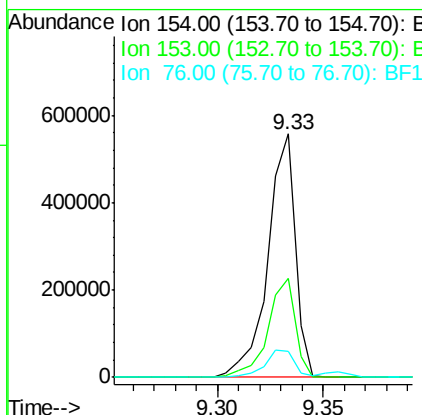
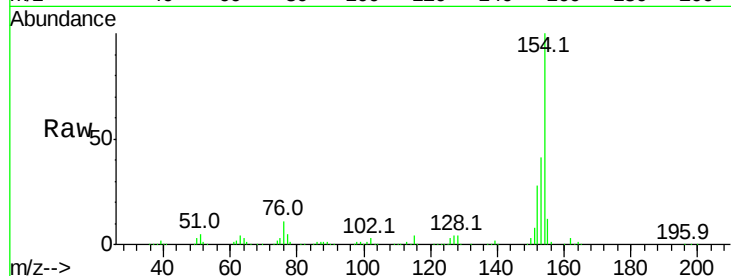
#45  
 1,1'-Biphenyl  
 Concen: 35.693 ng  
 RT: 9.33 min Scan# 1232  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 40.6  | 21.3 | 61.3  |       |
| 76      | 10.9  | 0.0  | 34.0  |       |

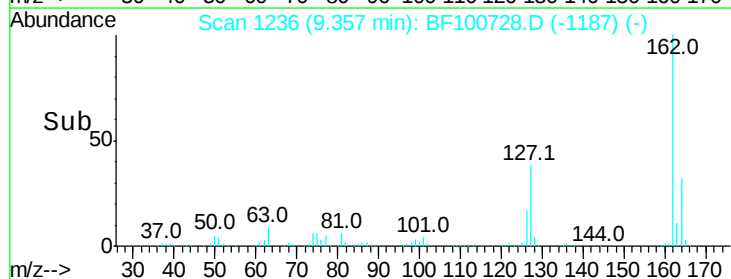
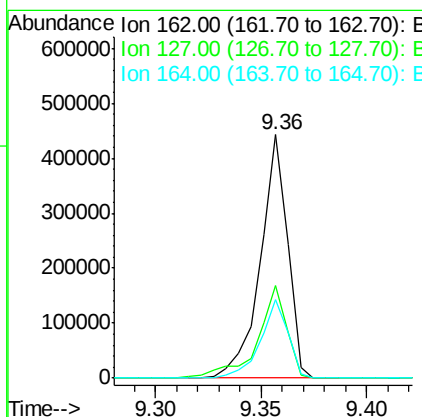
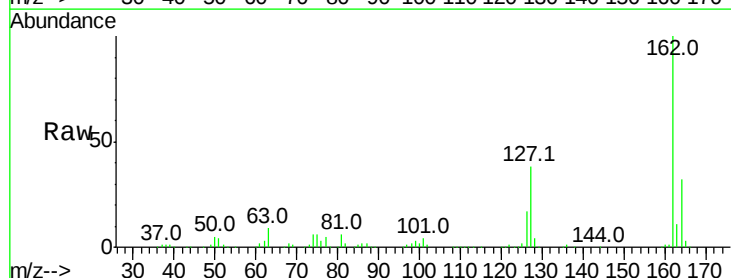
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#46  
 2-Chloronaphthalene  
 Concen: 38.839 ng  
 RT: 9.36 min Scan# 1236  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 162     | 100   |      |       |       |
| 127     | 38.3  | 33.9 | 50.9  |       |
| 164     | 32.3  | 26.5 | 39.7  |       |





#47

2-Nitroaniline

Concen: 38.259 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA\_F

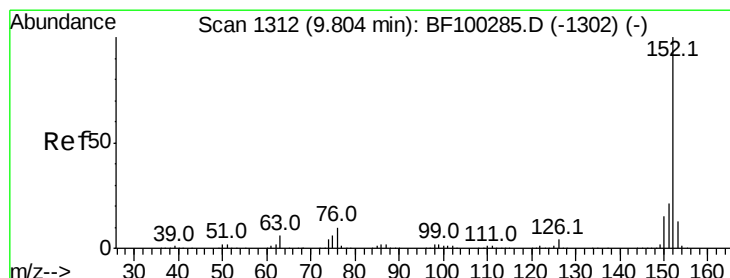
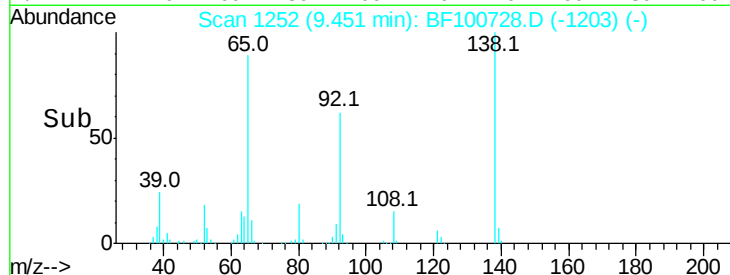
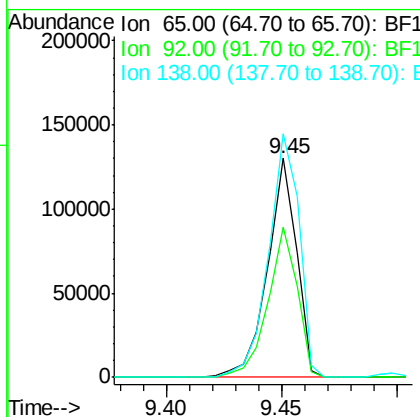
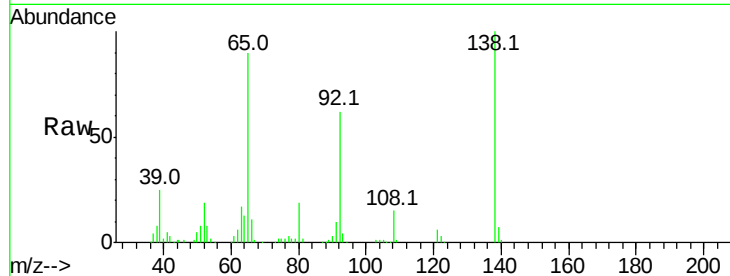
ClientSampleId :

IDOC-SOIL-02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 65    | Resp: | 113904 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 68.6  | 55.8  | 83.6   |
| 138       | 111.3 | 91.2  | 136.8  |

Manual Integrations  
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#48

Acenaphthylene

Concen: 35.446 ng

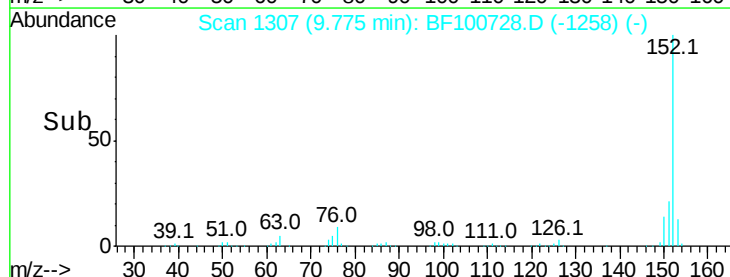
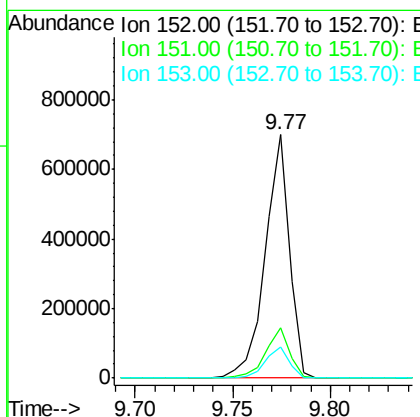
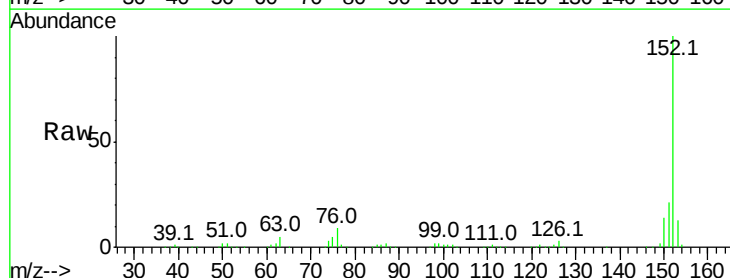
RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 601282 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.6  | 16.3  | 24.5   |
| 153       | 12.9  | 10.7  | 16.1   |





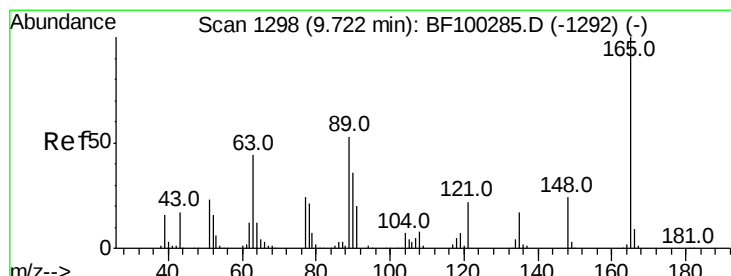
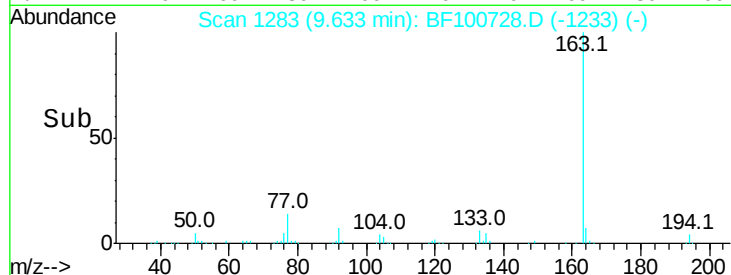
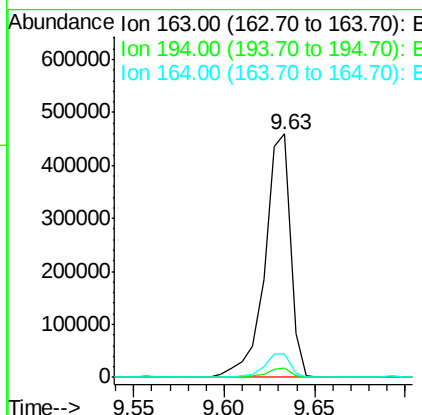
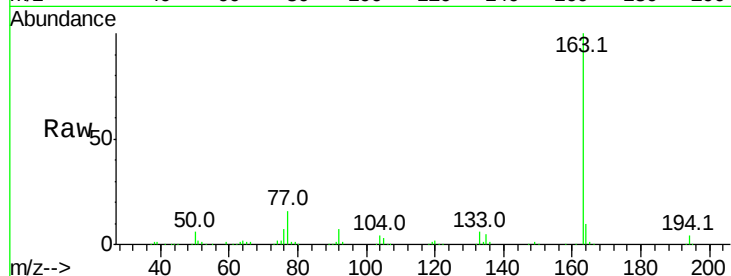
#49  
Dimethylphthalate  
Concen: 36.219 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 451130 |       |       |
| 194     | 3.8   | 2.7    | 4.1   |       |
| 164     | 9.8   | 8.2    | 12.2  |       |

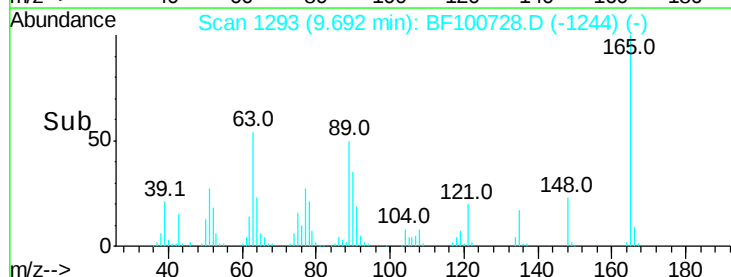
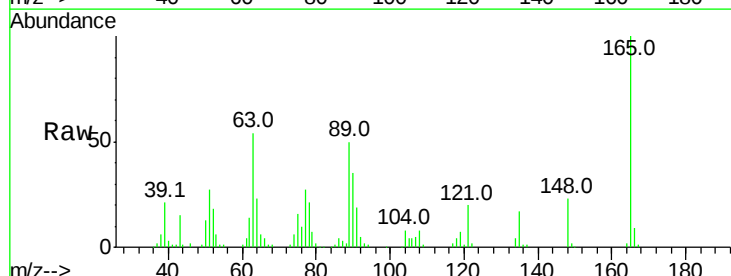
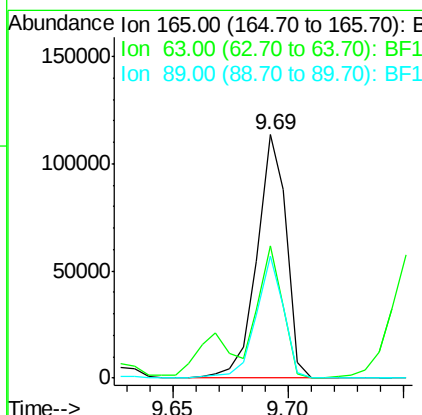
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#50  
2,6-Dinitrotoluene  
Concen: 40.858 ng  
RT: 9.69 min Scan# 1293  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 100736 |       |       |
| 63      | 54.1  | 44.7   | 67.1  |       |
| 89      | 50.1  | 44.0   | 66.0  |       |





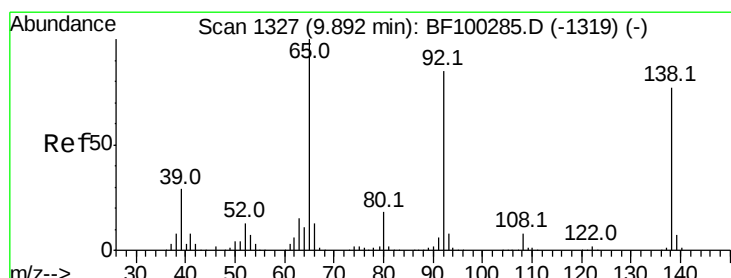
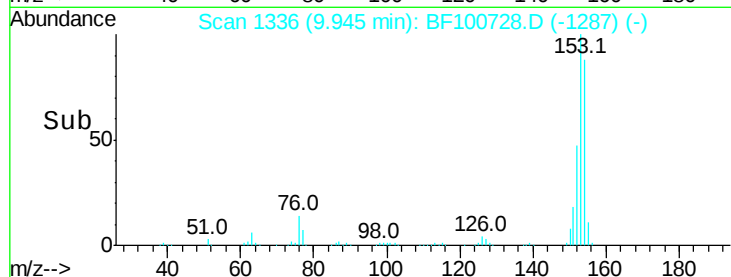
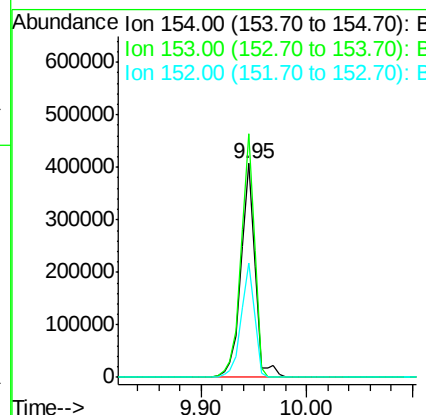
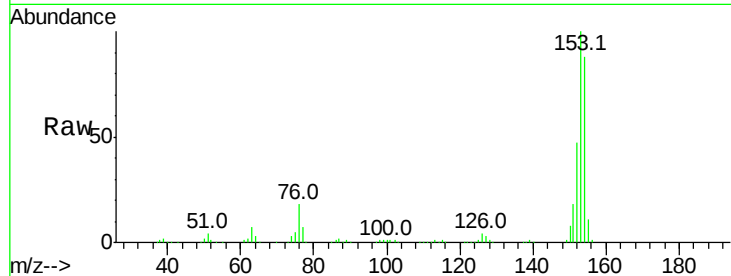
#51  
Acenaphthene  
Concen: 36.027 ng  
RT: 9.95 min Scan# 1336  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 114.0 | 91.2  | 136.8 |
| 152     | 53.8  | 43.8  | 65.8  |

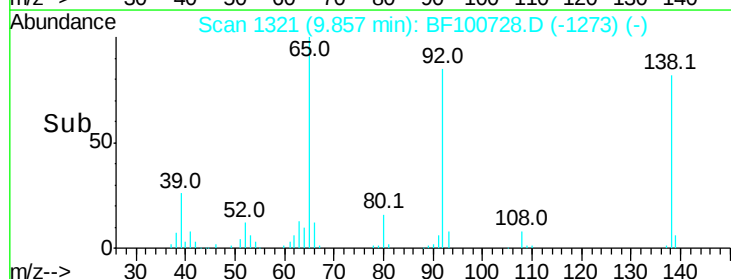
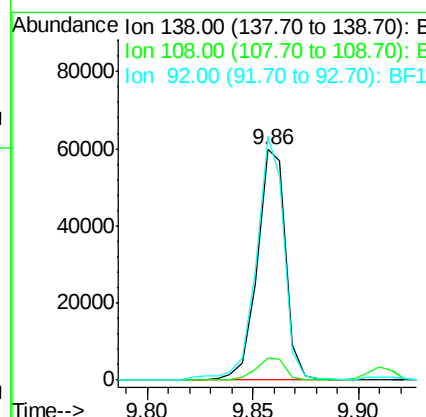
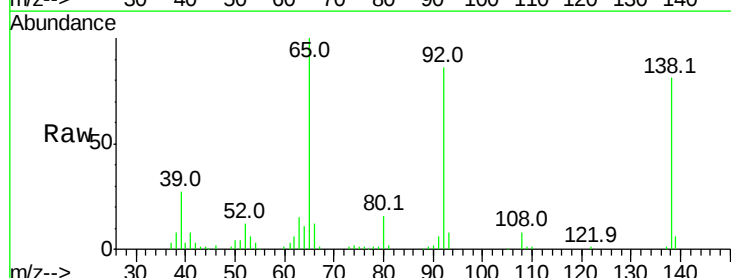
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#52  
3-Nitroaniline  
Concen: 19.213 ng  
RT: 9.86 min Scan# 1321  
Delta R.T. -0.02 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.6   | 9.4   | 14.0  |
| 92      | 105.6 | 89.4  | 134.2 |





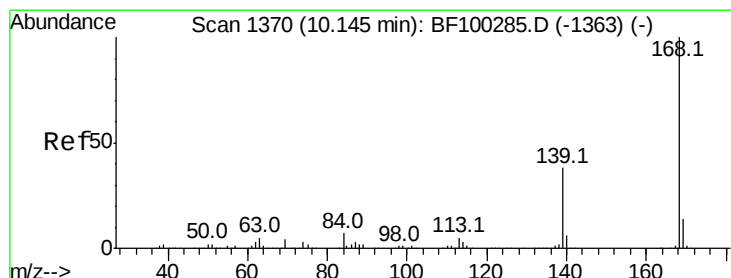
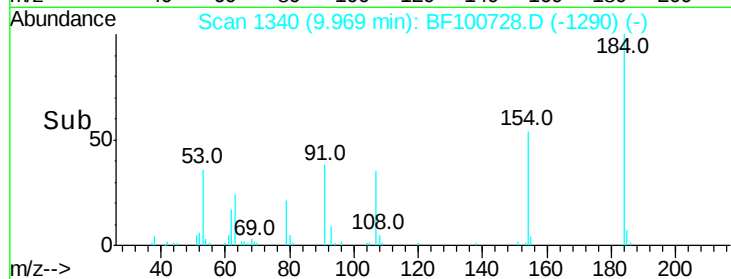
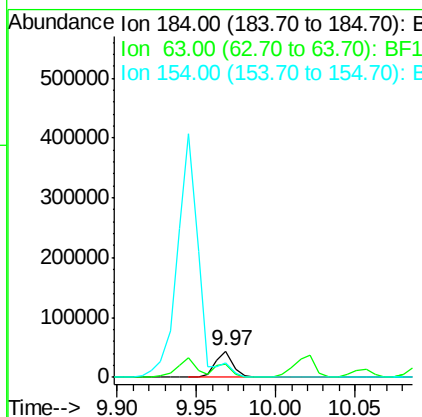
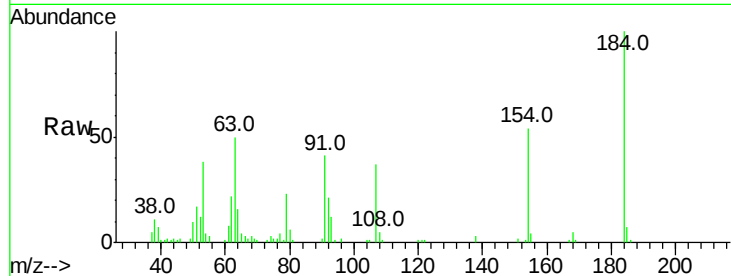
#53  
2,4-Dinitrophenol  
Concen: 43.289 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 50.1  | 54.2  | 81.2#  |
| 154     | 53.6  | 184.0 | 276.0# |

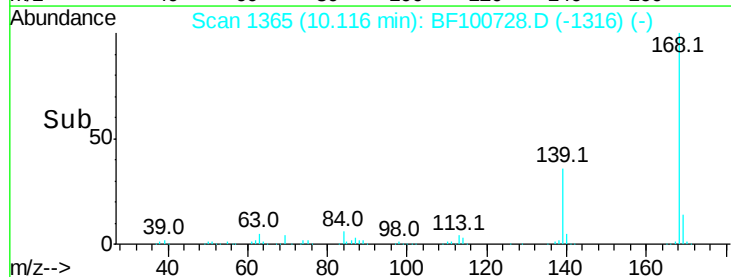
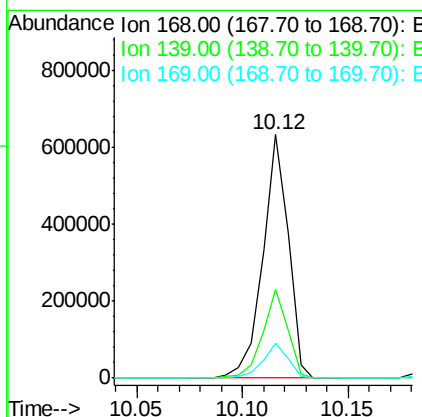
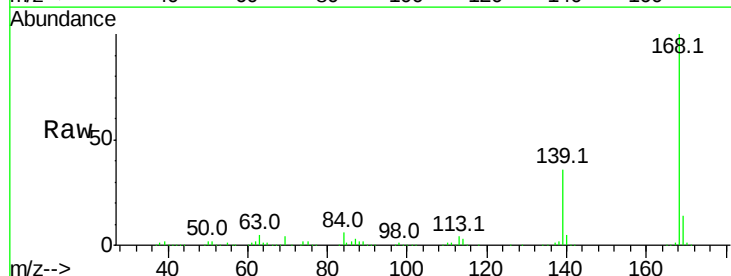
Manual Integrations  
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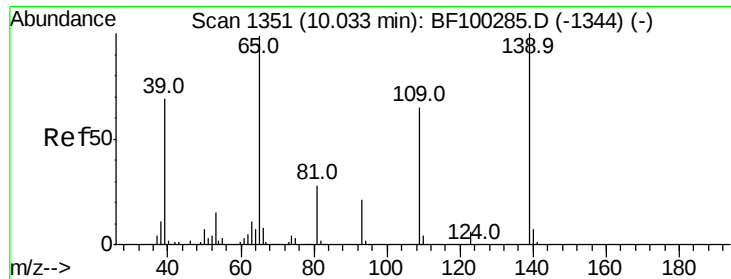
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11/21/2017 2:15:09 PM



#54  
Dibenzofuran  
Concen: 36.859 ng  
RT: 10.12 min Scan# 1365  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 36.3  | 30.1  | 45.1  |
| 169     | 14.4  | 10.9  | 16.3  |





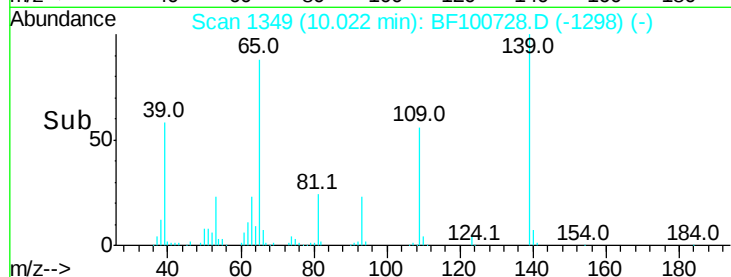
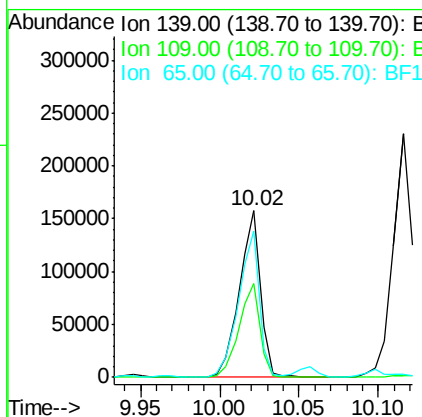
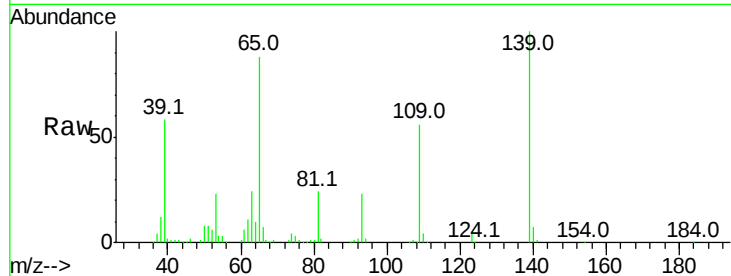
#55  
4-Nitrophenol  
Concen: 61.971 ng  
RT: 10.02 min Scan# 1349  
Delta R.T. -0.00 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 56.2  | 48.4  | 88.4  |
| 65      | 87.9  | 72.6  | 112.6 |

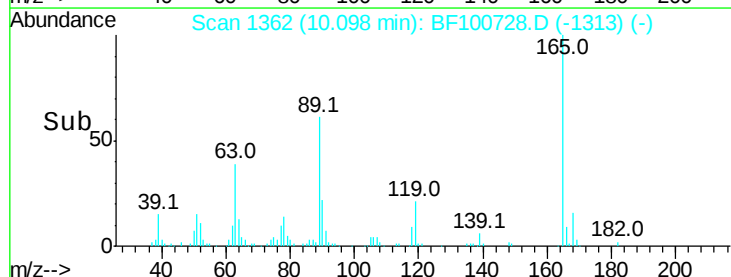
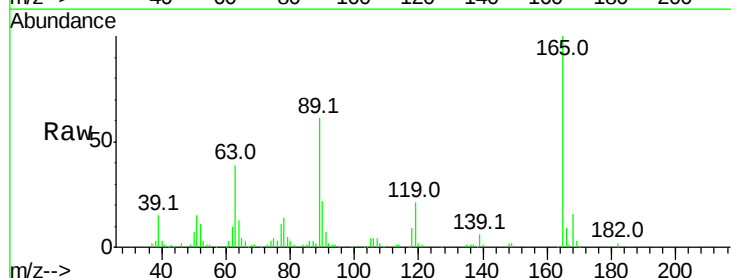
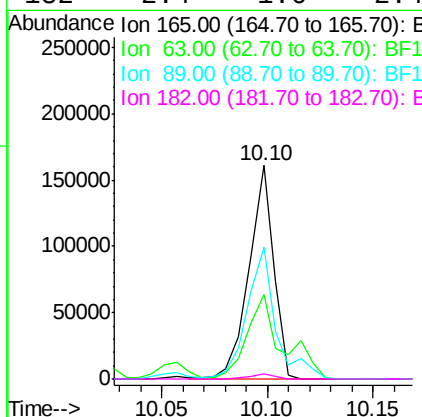
Manual Integrations  
APPROVED

SOHIL  
11/21/2017 2:15:09 PM



#56  
2,4-Dinitrotoluene  
Concen: 42.477 ng  
RT: 10.10 min Scan# 1362  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 39.3  | 36.4  | 54.6  |
| 89      | 61.5  | 57.8  | 86.6  |
| 182     | 2.4   | 1.6   | 2.4#  |





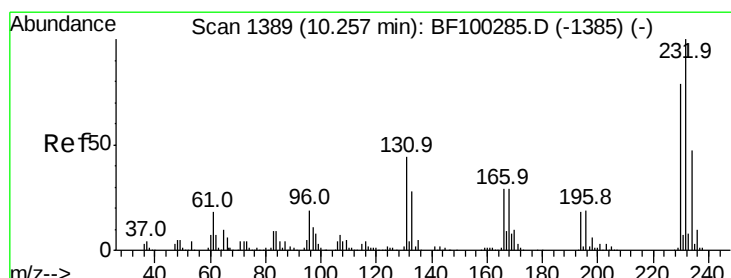
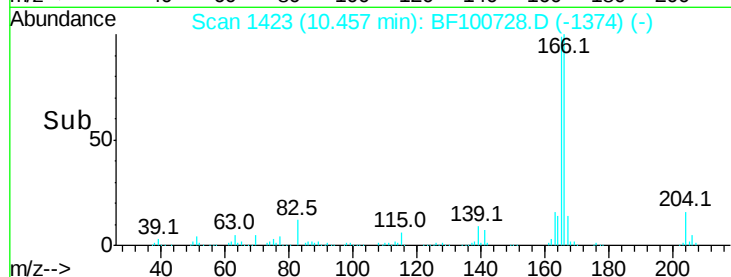
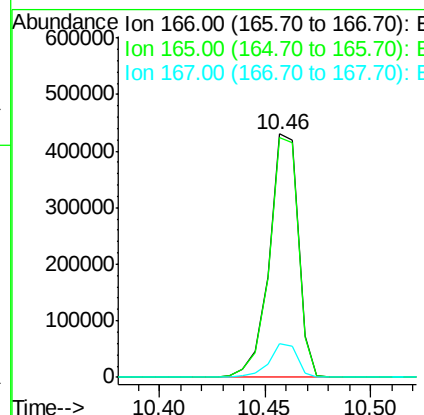
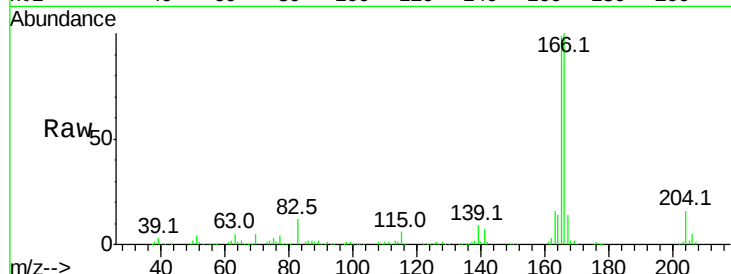
#57  
 Fluorene  
 Concen: 38.874 ng  
 RT: 10.46 min Scan# 1423  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 98.6  | 79.8 | 119.8 |       |
| 167     | 13.7  | 10.6 | 16.0  |       |

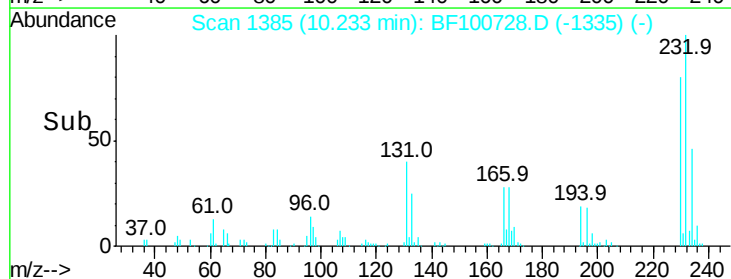
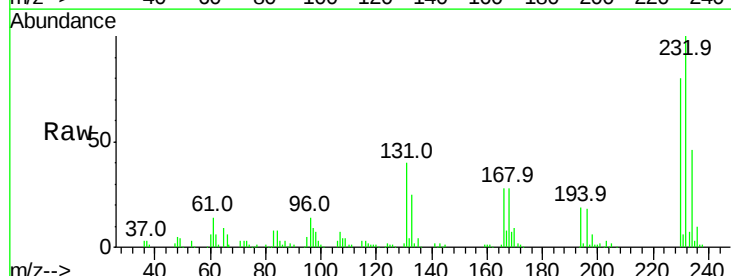
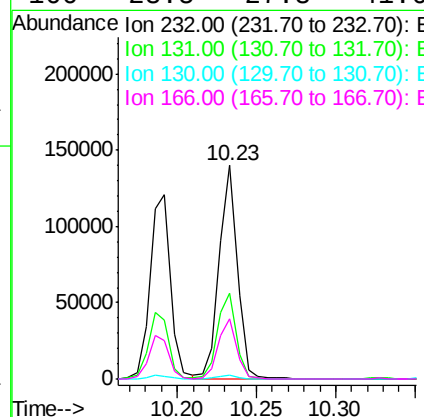
Manual Integrations  
 APPROVED

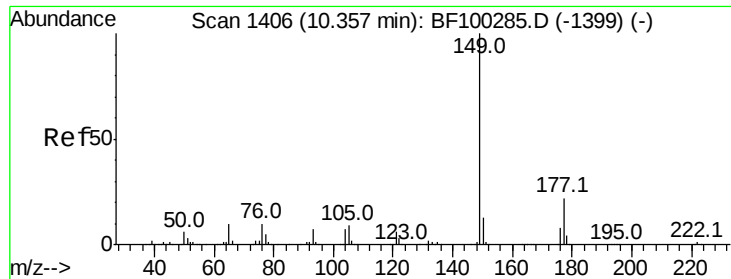
SOHIL  
 11/21/2017 2:15:09 PM



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 38.834 ng  
 RT: 10.23 min Scan# 1385  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 232     | 100   |      |       |       |
| 131     | 41.1  | 43.8 | 65.8# |       |
| 130     | 1.9   | 2.1  | 3.1#  |       |
| 166     | 28.5  | 27.8 | 41.6  |       |





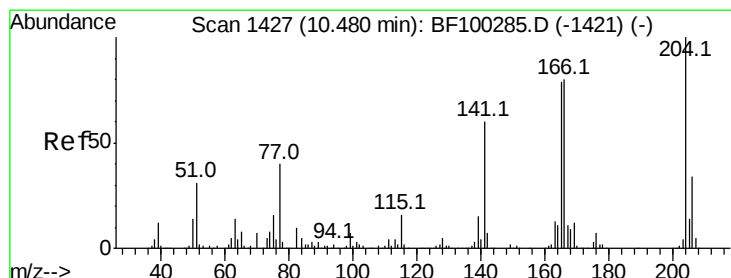
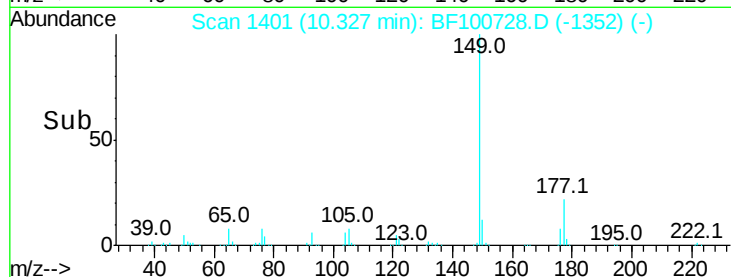
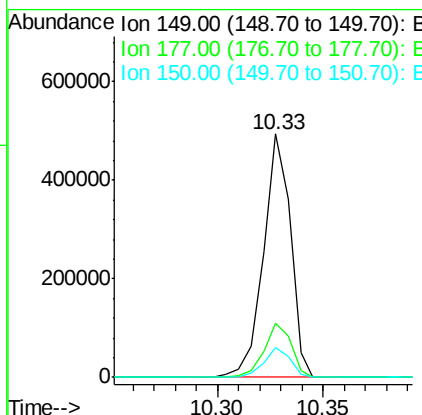
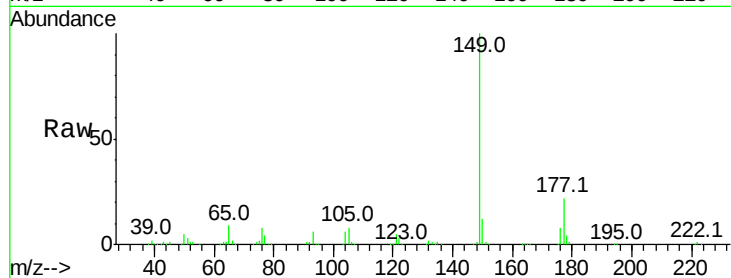
#59  
Diethylphthalate  
Concen: 35.360 ng  
RT: 10.33 min Scan# 1401  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.4  | 16.1  | 24.1  |
| 150     | 12.3  | 10.1  | 15.1  |

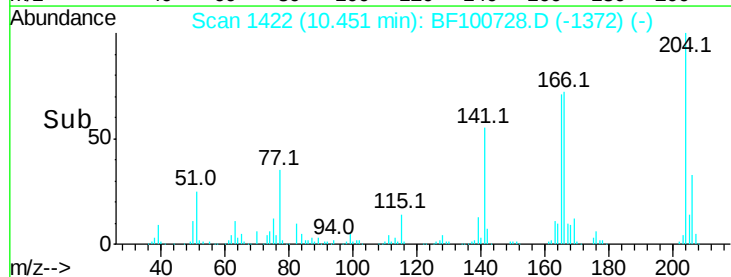
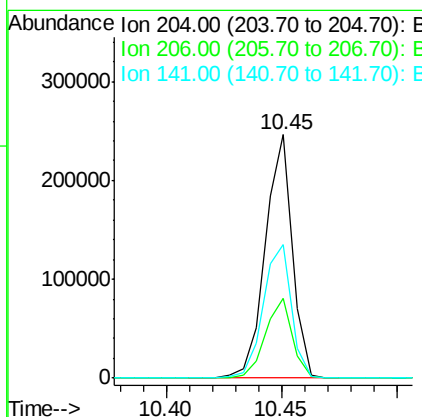
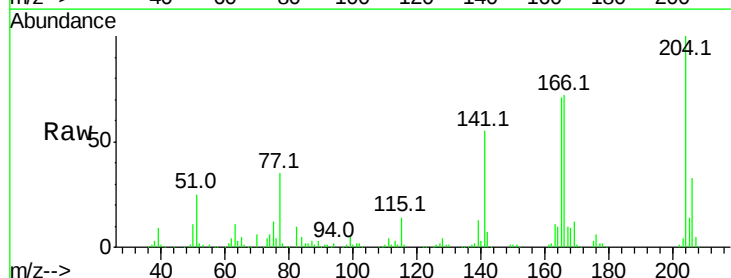
Manual Integrations  
APPROVED

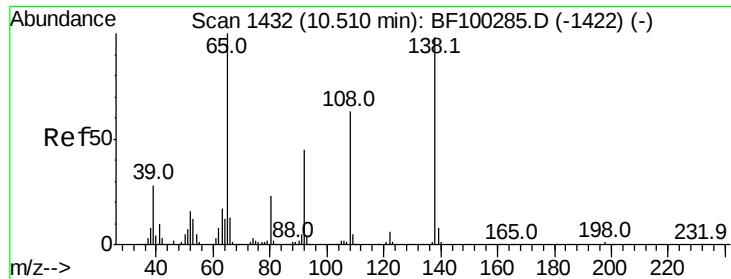
SOHIL  
11/21/2017 2:15:09 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 38.536 ng  
RT: 10.45 min Scan# 1422  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.6  | 26.5  | 39.7  |
| 141     | 55.0  | 54.6  | 81.8  |





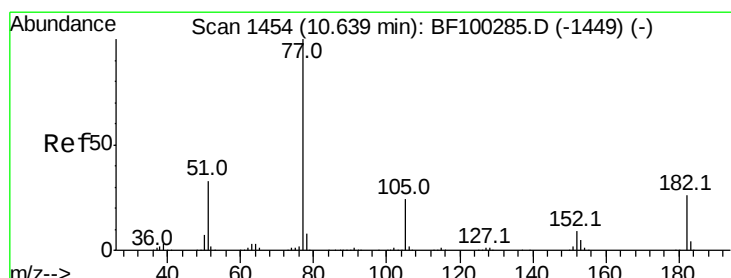
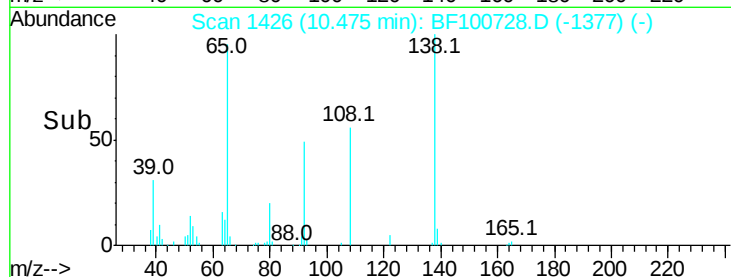
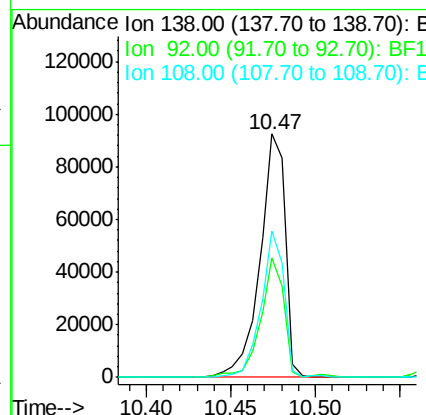
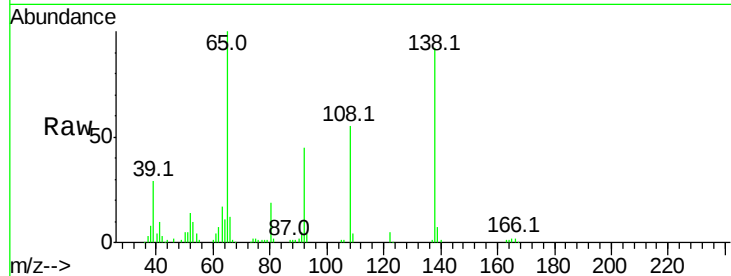
#61  
4-Nitroaniline  
Concen: 34.851 ng  
RT: 10.47 min Scan# 1426  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 48.9  | 30.2  | 70.2  |
| 108     | 60.1  | 52.5  | 92.5  |

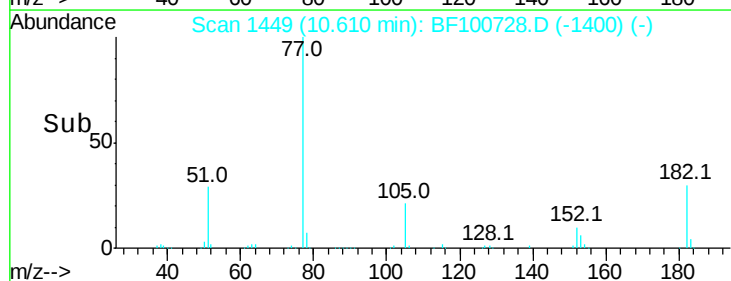
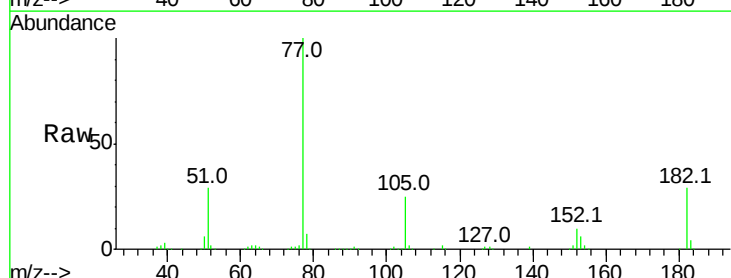
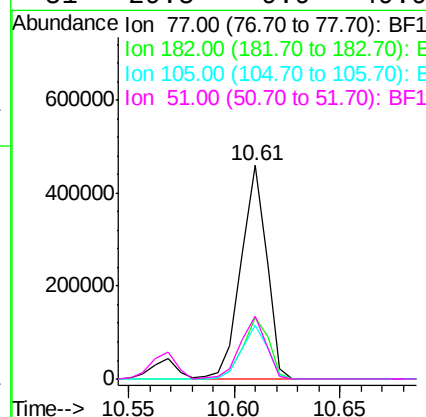
Manual Integrations  
APPROVED

SOHIL  
11/21/2017 2:15:09 PM



#62  
Azobenzene  
Concen: 32.963 ng  
RT: 10.61 min Scan# 1449  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 29.1  | 1.7   | 41.7  |
| 105     | 25.1  | 3.0   | 43.0  |
| 51      | 29.5  | 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: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA\_F

ClientSampleId :

IDOC-SOIL-02

Tot Ion:188 Resp: 316900

Ion Ratio Lower Upper

188 100

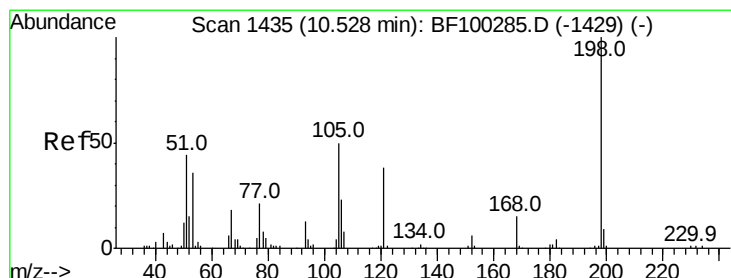
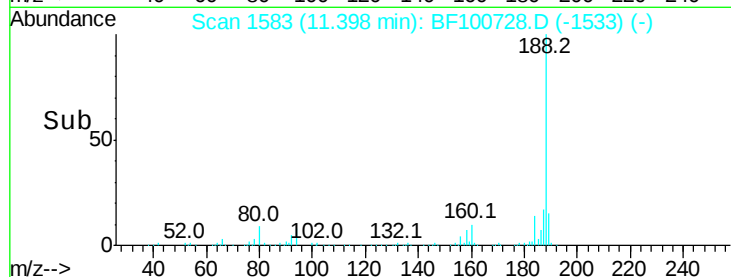
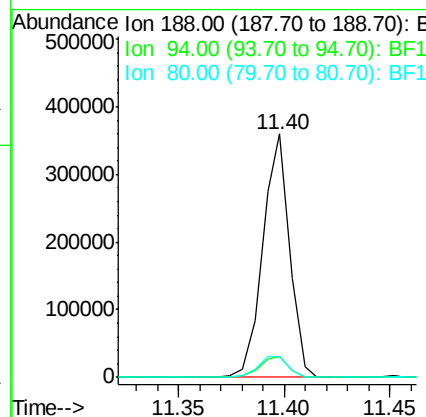
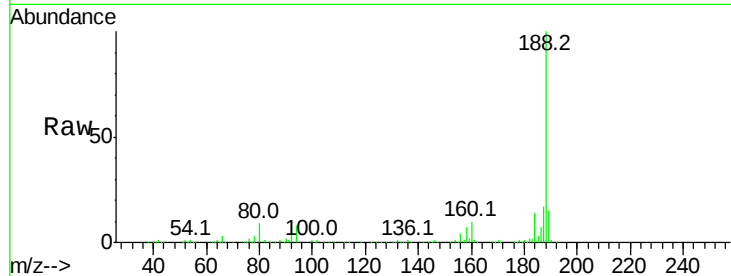
94 8.4 8.5 12.7#

80 8.6 9.2 13.8#

Manual Integrations  
APPROVED

SOHIL

11/21/2017 2:15:09 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 27.832 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

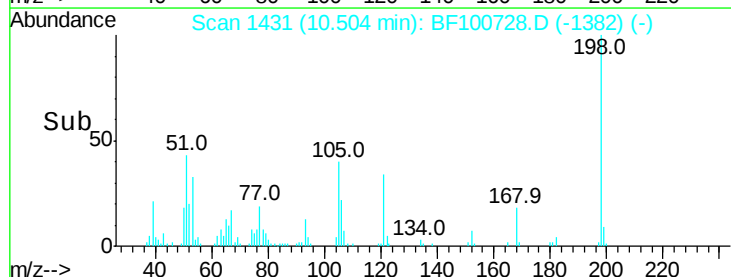
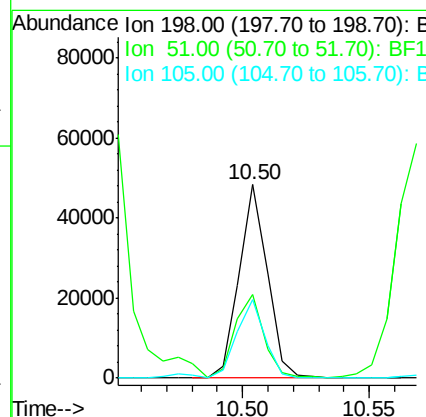
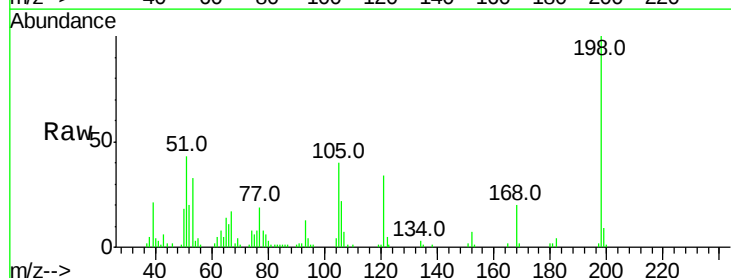
Tgt Ion:198 Resp: 37519

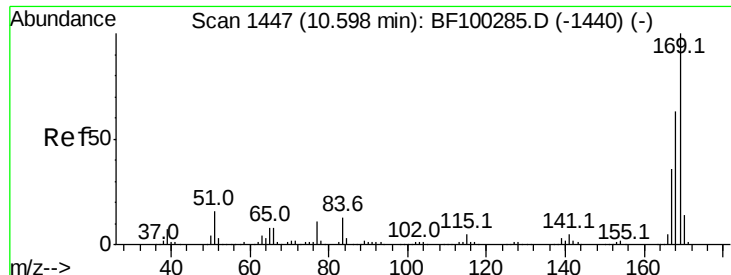
Ion Ratio Lower Upper

198 100

51 42.9 37.7 77.7

105 40.4 36.3 76.3





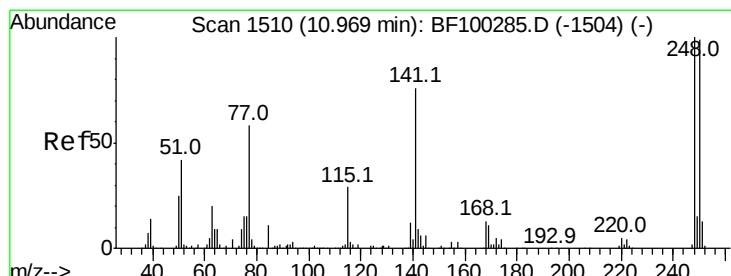
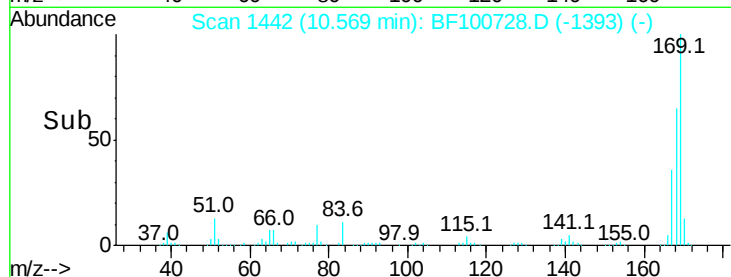
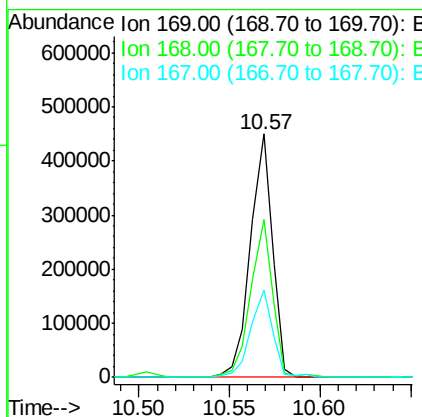
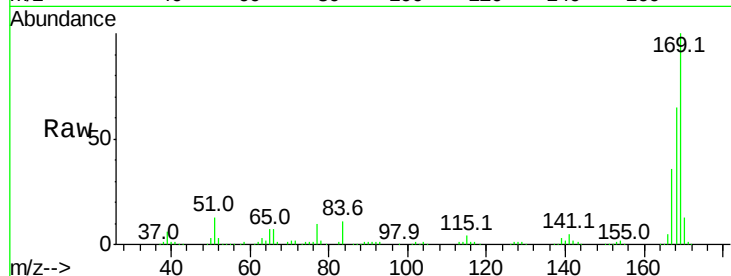
#65  
n-Nitrosodiphenylamine  
Concen: 34.637 ng  
RT: 10.57 min Scan# 1442  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 169     | 100   |      |       |       |
| 168     | 64.7  | 54.4 | 81.6  |       |
| 167     | 36.0  | 29.8 | 44.6  |       |

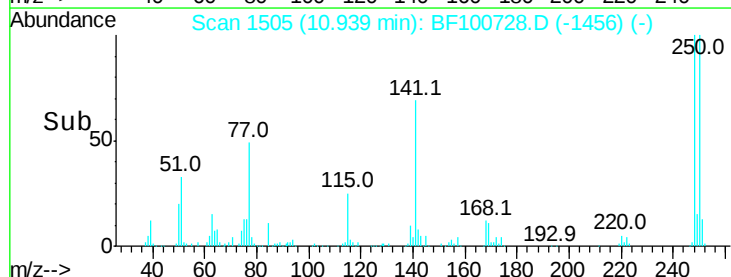
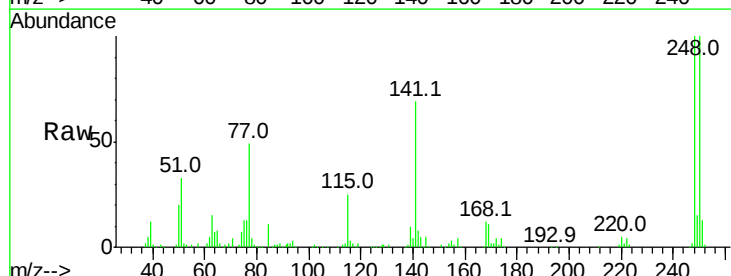
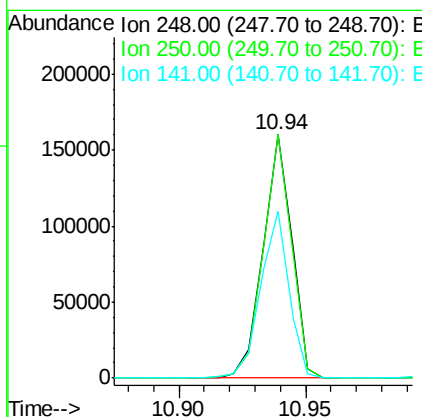
Manual Integrations  
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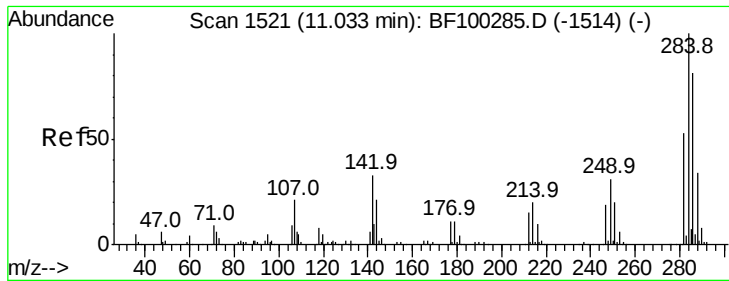
SOHIL  
11/21/2017 2:15:09 PM



#66  
4-Bromophenyl-phenylether  
Concen: 37.551 ng  
RT: 10.94 min Scan# 1505  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 248     | 100   |      |       |       |
| 250     | 99.9  | 76.9 | 115.3 |       |
| 141     | 68.8  | 74.4 | 111.6 |       |





#67

Hexachlorobenzene

Concen: 37.079 ng

RT: 11.00 min Scan# 1516

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA\_F

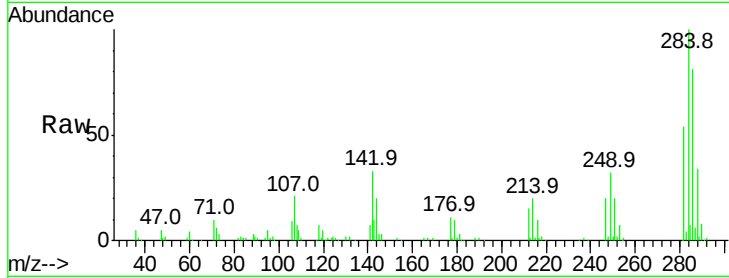
ClientSampleId :

IDOC-SOIL-02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 284     | 100   |      |       |       |
| 142     | 33.4  | 34.6 | 52.0# |       |
| 249     | 31.8  | 24.8 | 37.2  |       |

Manual Integrations  
APPROVED

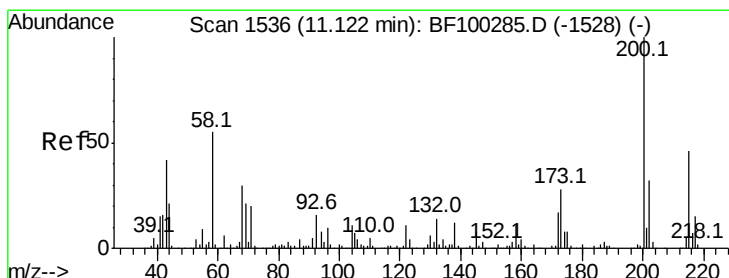
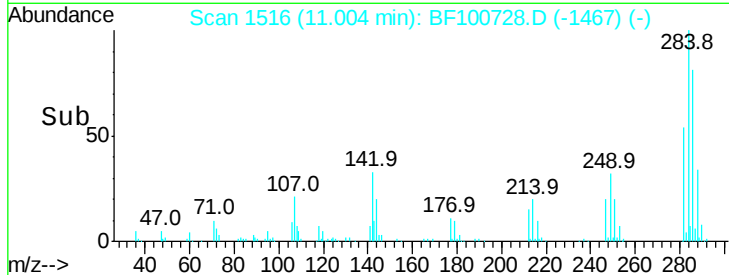
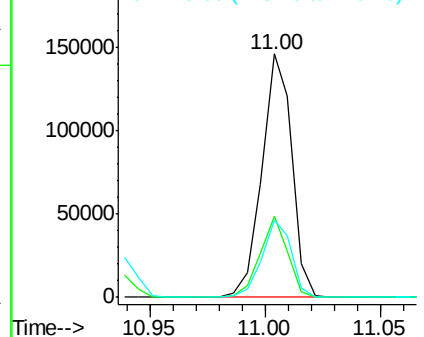
SOHIL  
11/21/2017 2:15:09 PM



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: 35.714 ng

RT: 11.09 min Scan# 1531

Delta R.T. -0.01 min

Lab File: BF100728.D

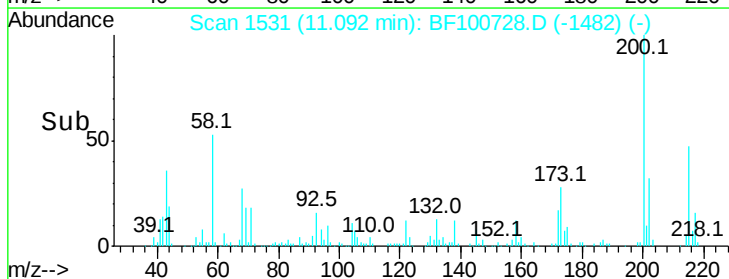
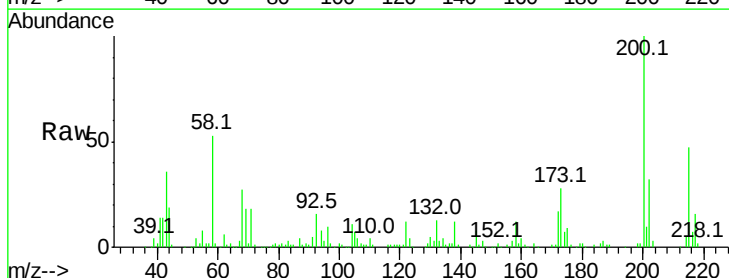
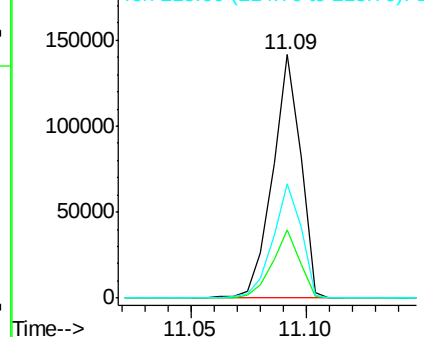
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 200     | 100   |      |       |       |
| 173     | 27.8  | 8.6  | 48.6  |       |
| 215     | 46.9  | 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





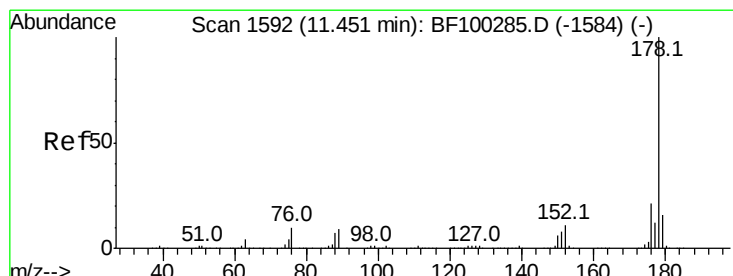
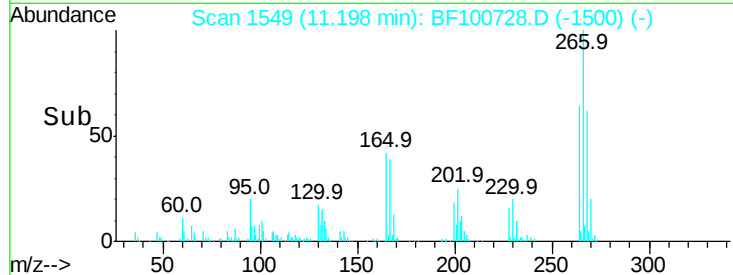
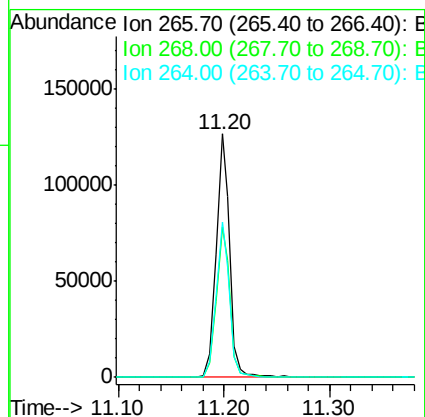
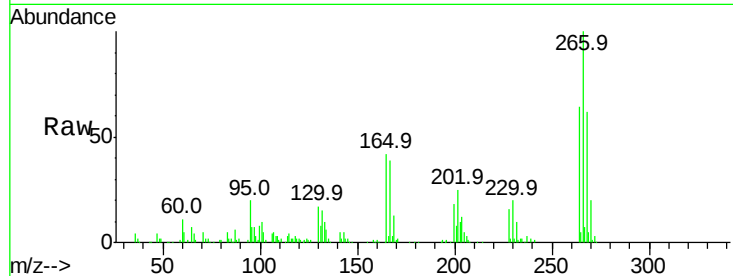
#69  
 Pentachlorophenol  
 Concen: 45.406 ng  
 RT: 11.20 min Scan# 1549  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 115680 |       |       |
| 268     | 61.5  | 51.1   | 76.7  |       |
| 264     | 63.7  | 49.5   | 74.3  |       |

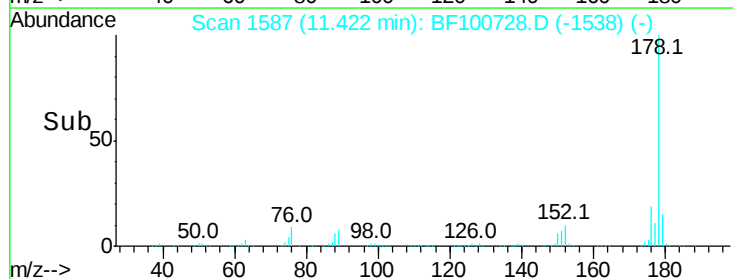
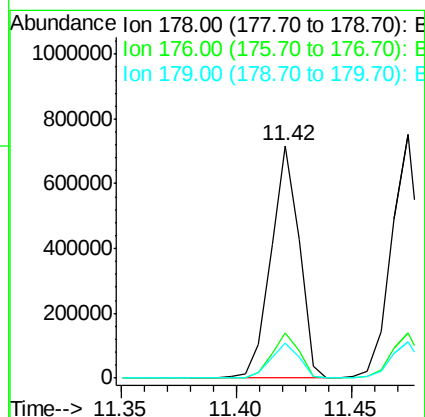
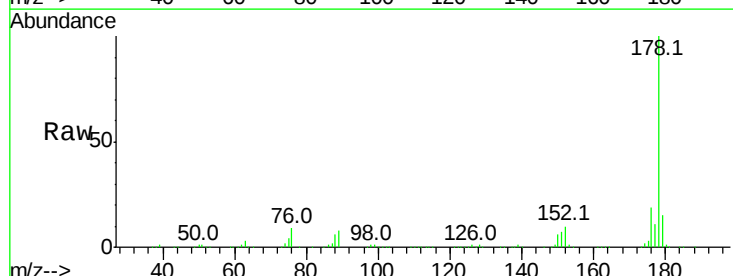
Manual Integrations  
 APPROVED

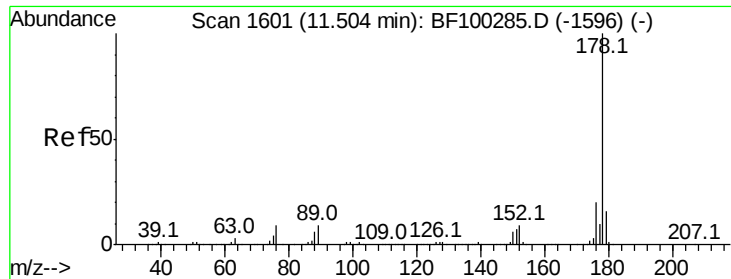
SOHIL  
 11/21/2017 2:15:09 PM



#70  
 Phenanthrene  
 Concen: 36.425 ng  
 RT: 11.42 min Scan# 1587  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 607752 |       |       |
| 176     | 19.4  | 15.8   | 23.8  |       |
| 179     | 15.1  | 13.0   | 19.6  |       |





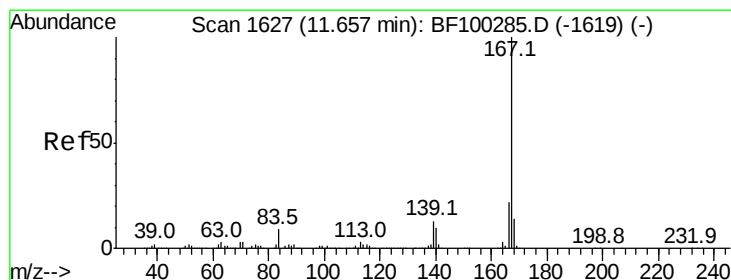
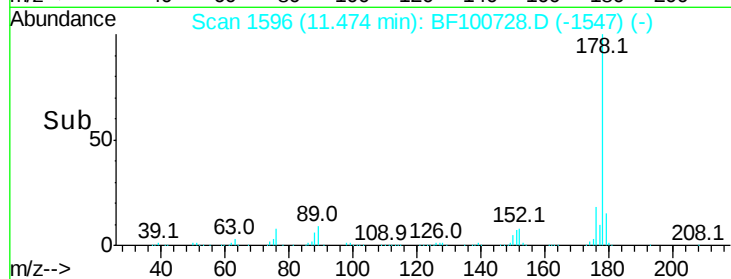
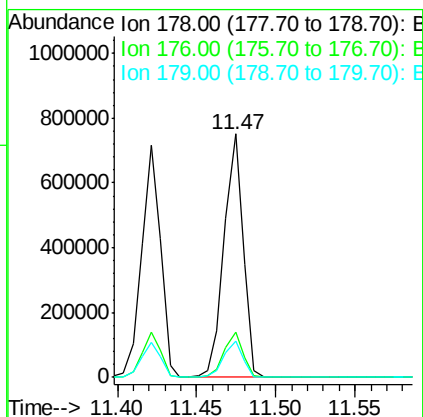
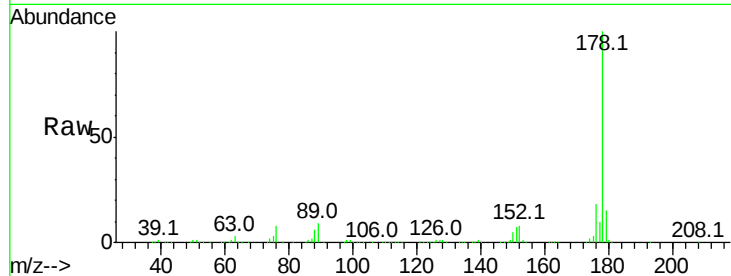
#71  
 Anthracene  
 Concen: 37.260 ng  
 RT: 11.47 min Scan# 1596  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.4  | 15.4  | 23.2  |
| 179     | 14.9  | 12.6  | 19.0  |

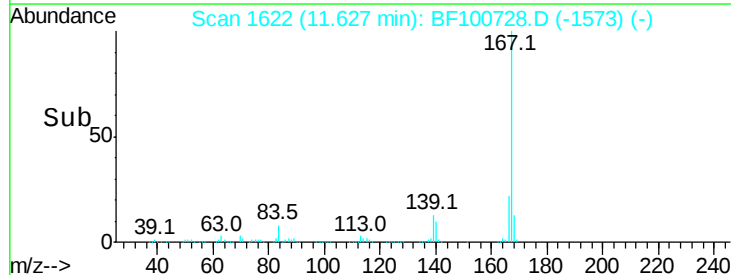
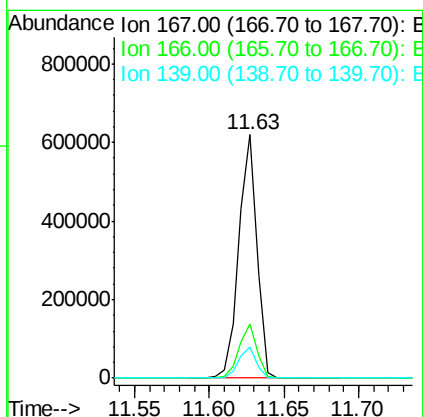
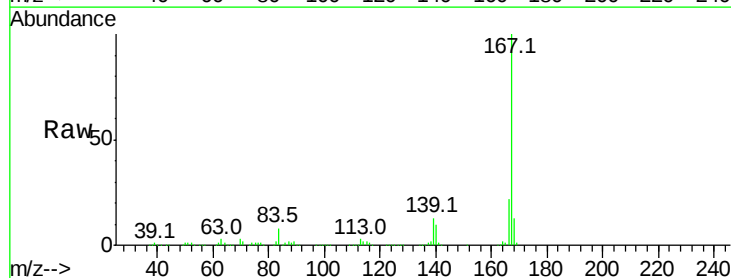
Manual Integrations  
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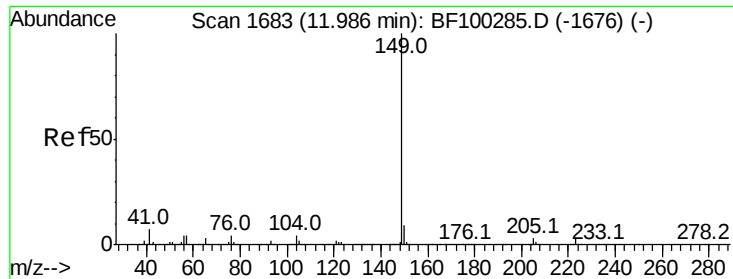
SOHIL  
 11/21/2017 2:15:09 PM



#72  
 Carbazole  
 Concen: 33.860 ng  
 RT: 11.63 min Scan# 1622  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.4  | 17.6  | 26.4  |
| 139     | 12.6  | 10.9  | 16.3  |





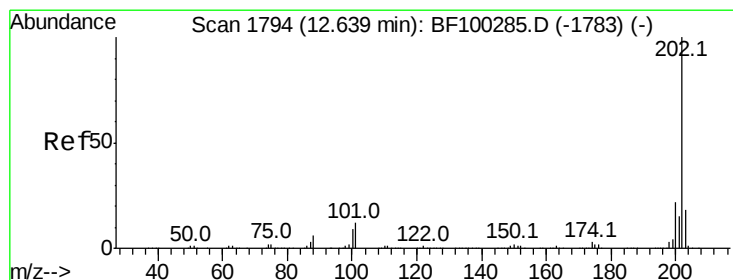
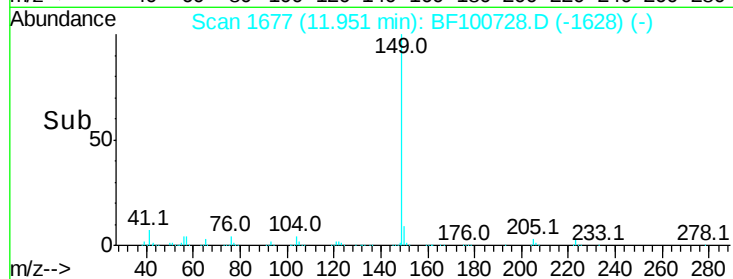
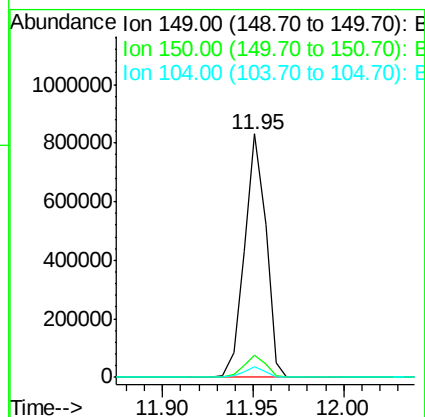
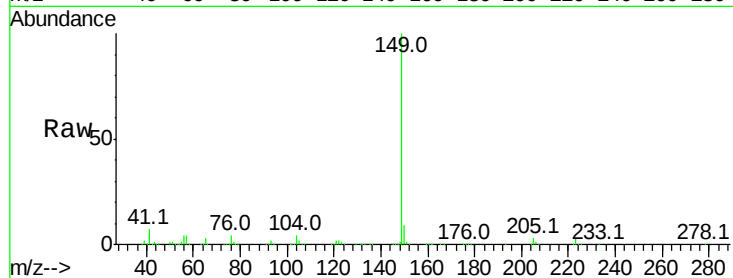
#73  
Di-n-butylphthalate  
Concen: 37.162 ng  
RT: 11.95 min Scan# 1677  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 150     | 9.3   | 7.8  | 11.6  |       |
| 104     | 4.2   | 3.8  | 5.8   |       |

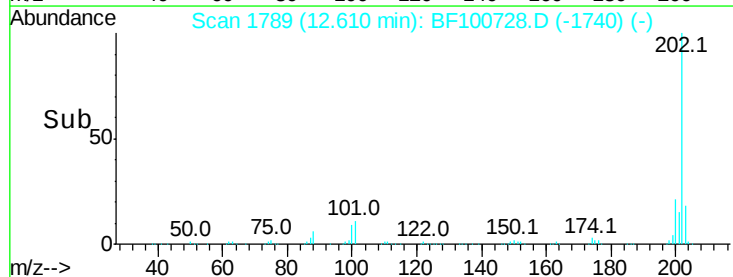
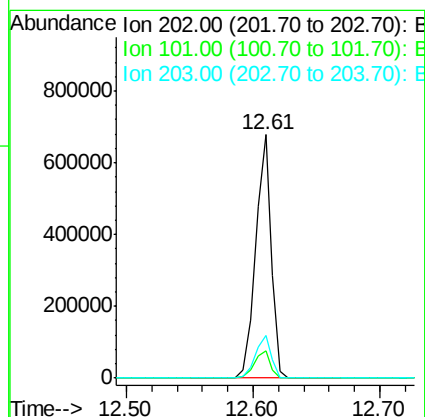
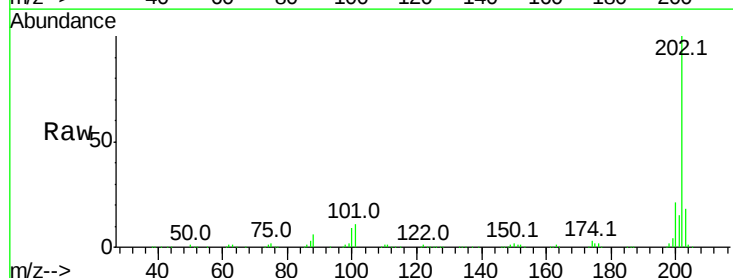
Manual Integrations  
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#74  
Fluoranthene  
Concen: 33.057 ng  
RT: 12.61 min Scan# 1789  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 101     | 11.0  | 0.0  | 34.1  |       |
| 203     | 17.5  | 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: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA\_F

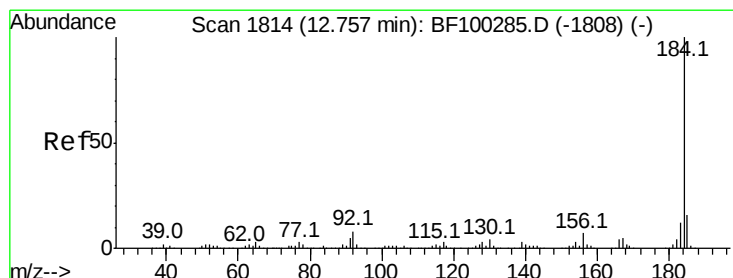
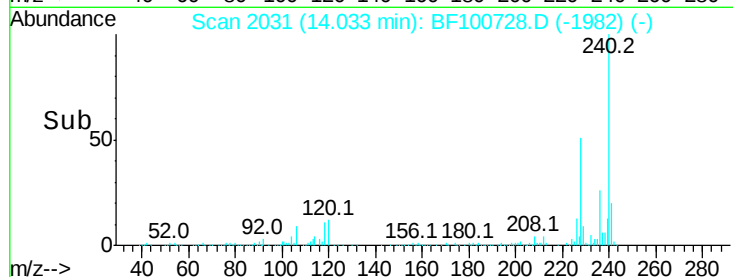
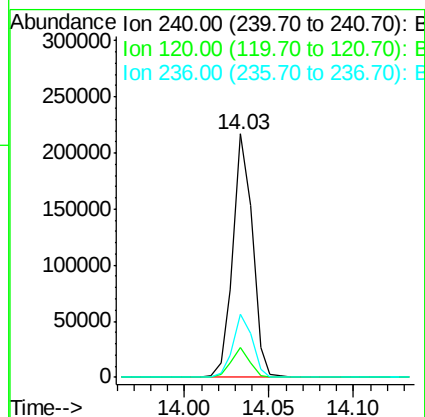
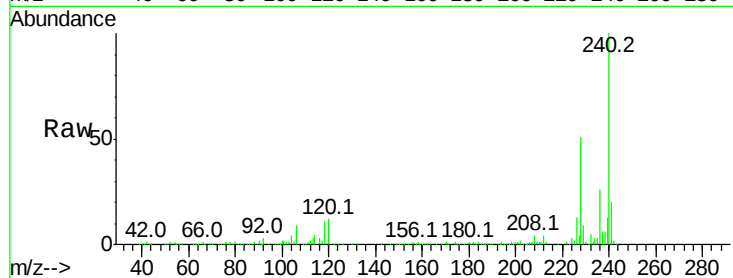
ClientSampleId :

IDOC-SOIL-02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 174775 |       |       |
| 120     | 12.4  | 9.5    | 14.3  |       |
| 236     | 25.7  | 20.7   | 31.1  |       |

Manual Integrations  
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#76

Benzidine

Concen: 15.497 ng

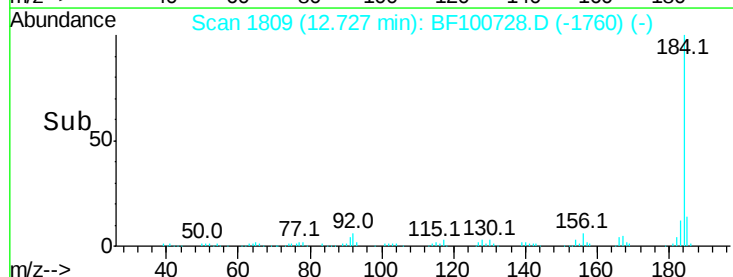
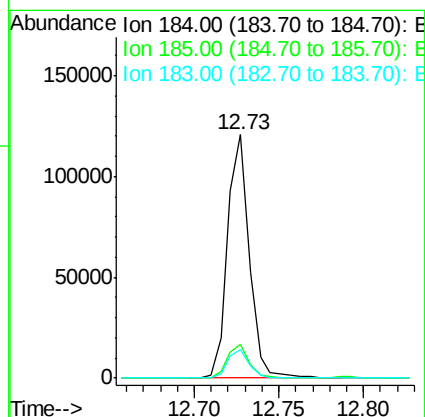
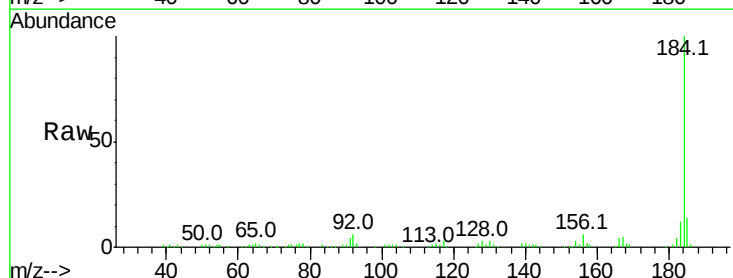
RT: 12.73 min Scan# 1809

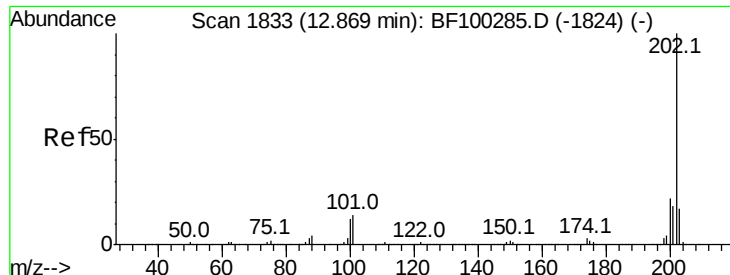
Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 108470 |       |       |
| 185     | 13.7  | 12.6   | 18.8  |       |
| 183     | 11.8  | 9.3    | 13.9  |       |





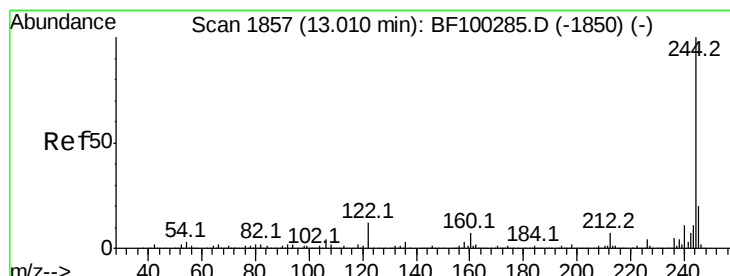
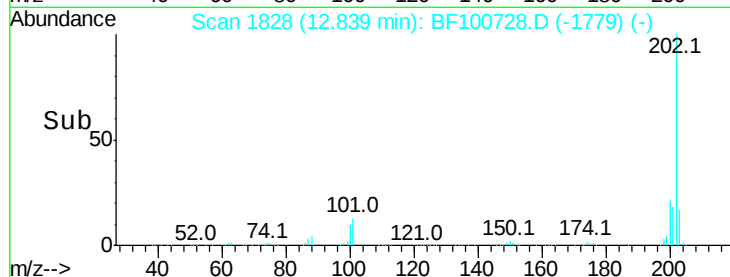
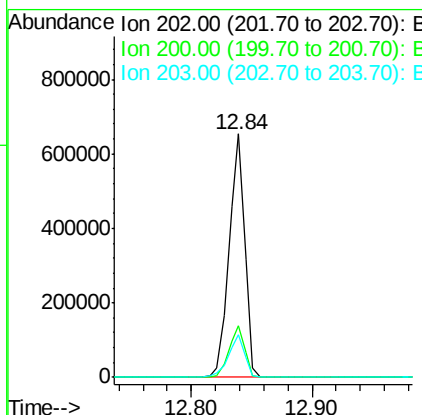
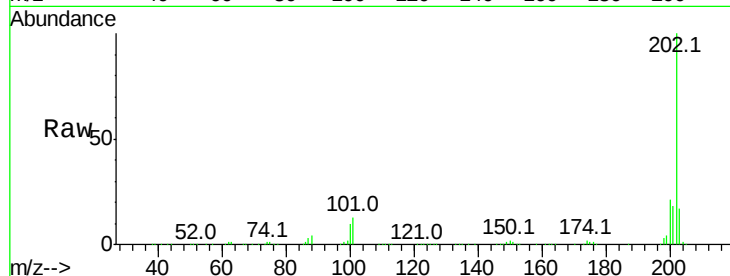
#77  
Pvrene  
Concen: 47.062 ng  
RT: 12.84 min Scan# 1828  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 21.2  | 17.4       | 26.2  |
| 203     | 17.4  | 14.3       | 21.5  |

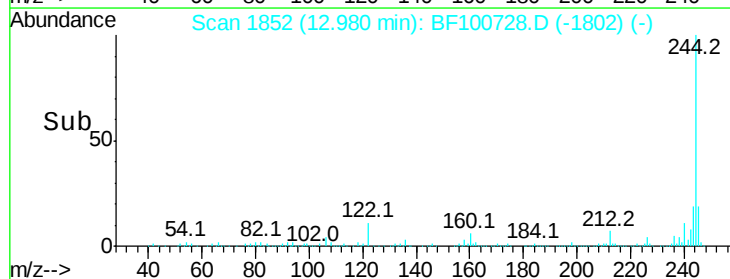
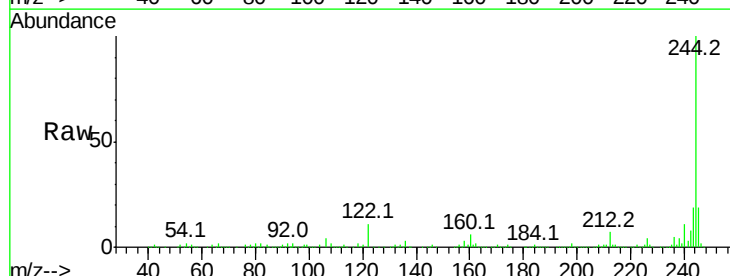
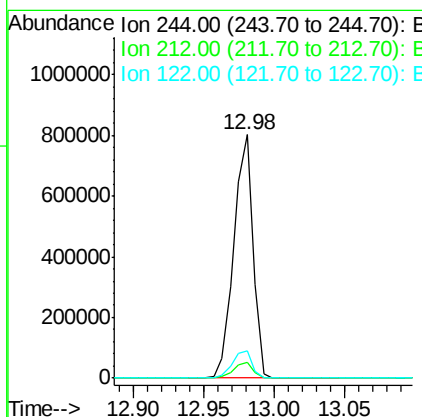
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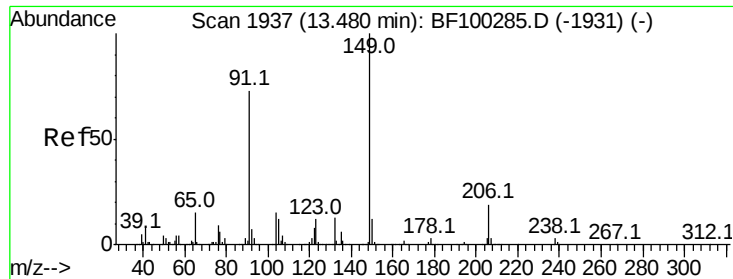
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#78  
Terphenyl-d14  
Concen: 99.938 ng  
RT: 12.98 min Scan# 1852  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 6.7   | 5.4        | 8.0   |
| 122     | 11.1  | 11.0       | 16.4  |





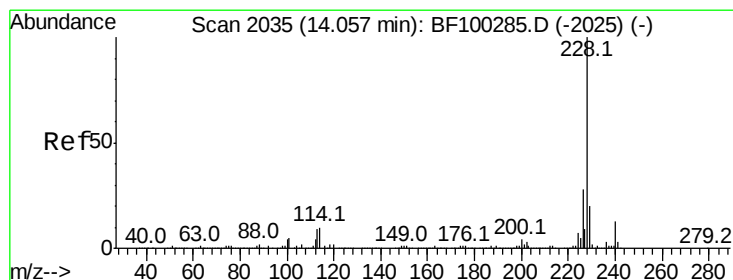
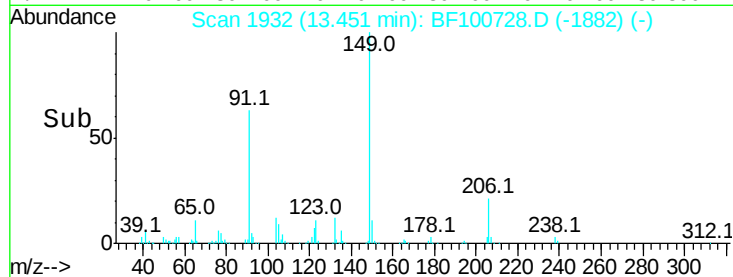
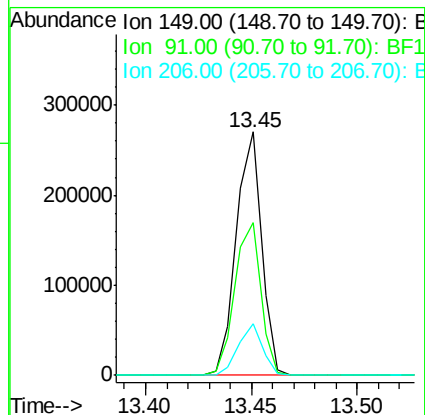
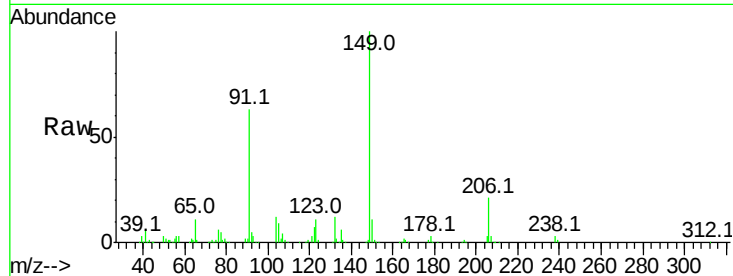
#79  
Butylbenzylphthalate  
Concen: 43.996 ng  
RT: 13.45 min Scan# 1932  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 63.0  | 56.8  | 85.2  |
| 206     | 21.1  | 14.1  | 21.1  |

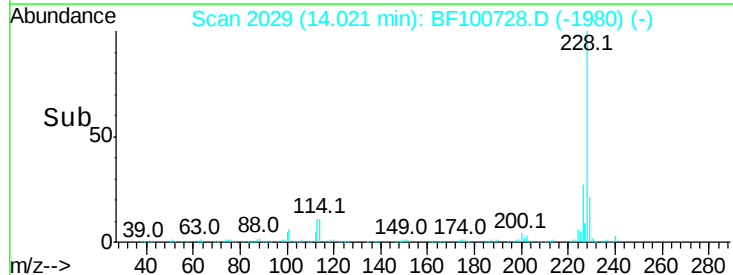
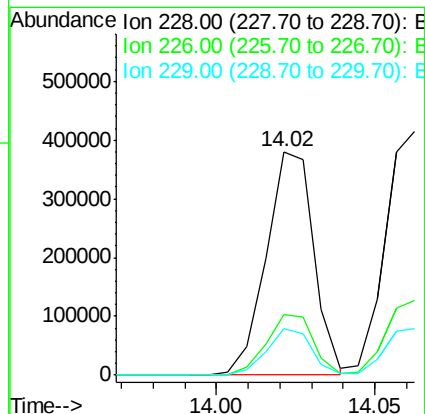
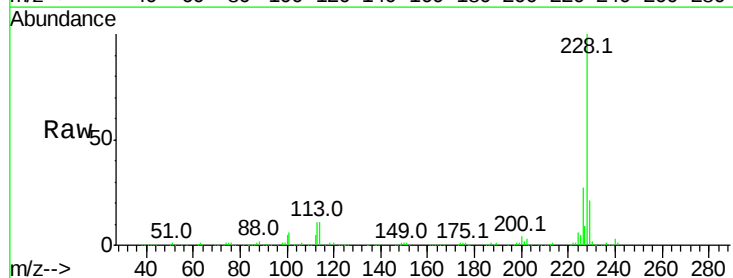
Manual Integrations  
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11/21/2017 2:15:09 PM



#80  
Benzo(a)anthracene  
Concen: 37.536 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.3  | 22.6  | 33.8  |
| 229     | 20.6  | 15.8  | 23.6  |





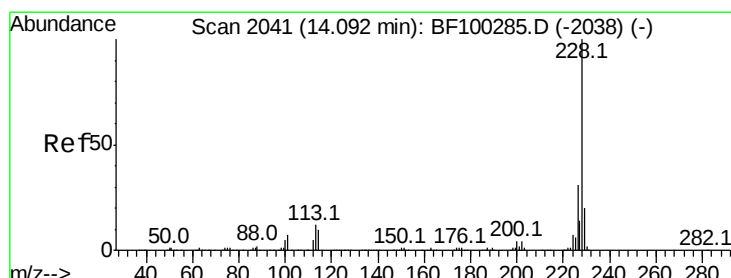
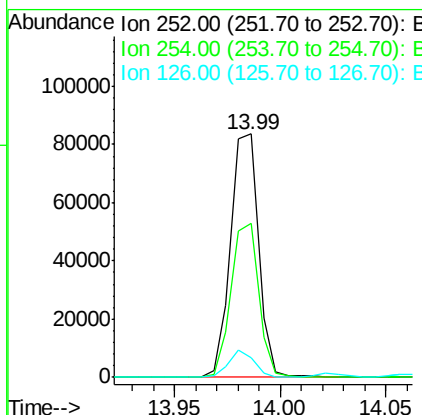
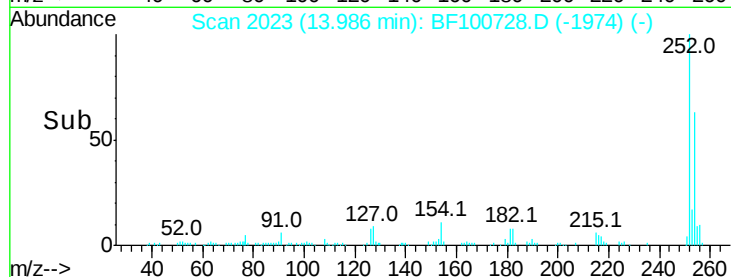
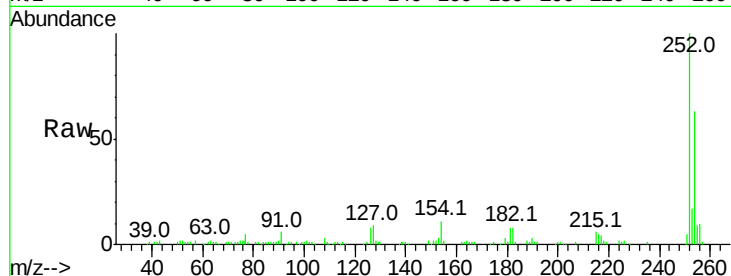
#81  
 3,3'-Dichlorobenzidine  
 Concen: 20.292 ng  
 RT: 13.99 min Scan# 2023  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.3  | 50.4  | 75.6  |
| 126     | 8.1   | 11.3  | 16.9  |

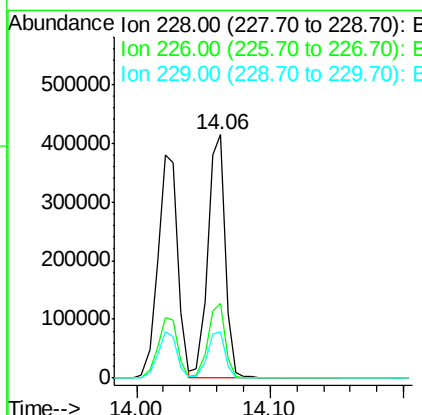
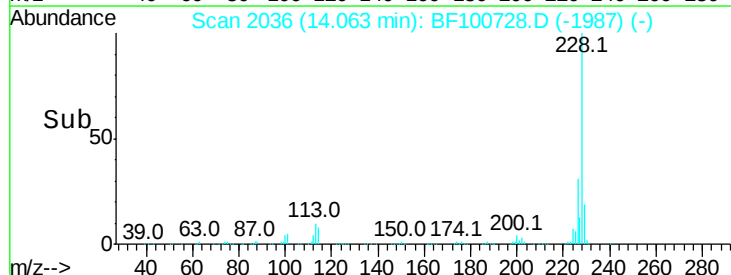
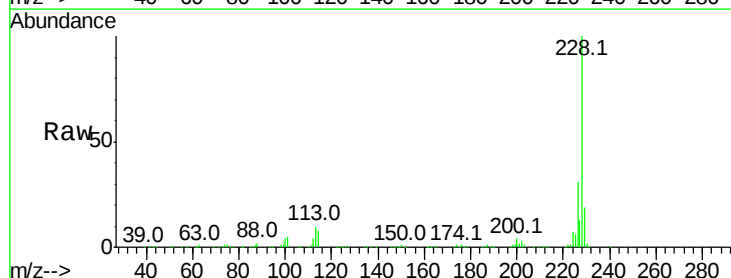
Manual Integrations  
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#82  
 Chrysene  
 Concen: 37.095 ng  
 RT: 14.06 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.6  | 25.0  | 37.6  |
| 229     | 19.3  | 16.2  | 24.4  |





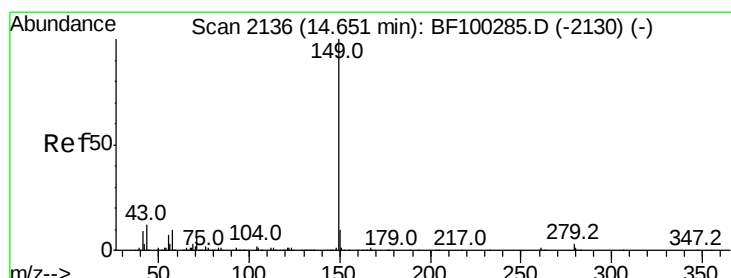
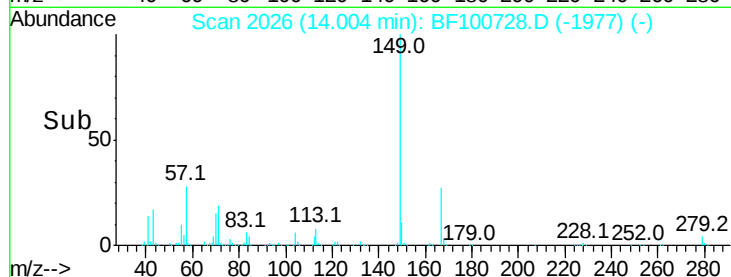
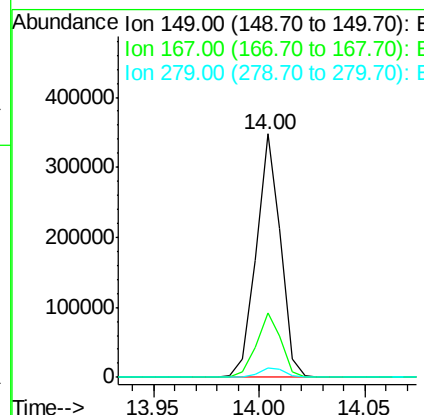
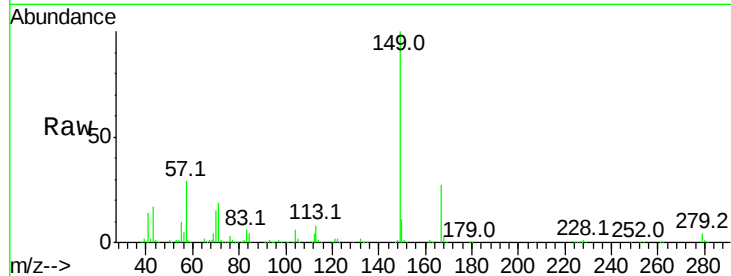
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 41.535 ng  
 RT: 14.00 min Scan# 2026  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 277559 |       |       |
| 167     | 26.5  |        | 21.3  | 31.9  |
| 279     | 3.6   |        | 3.0   | 4.4   |

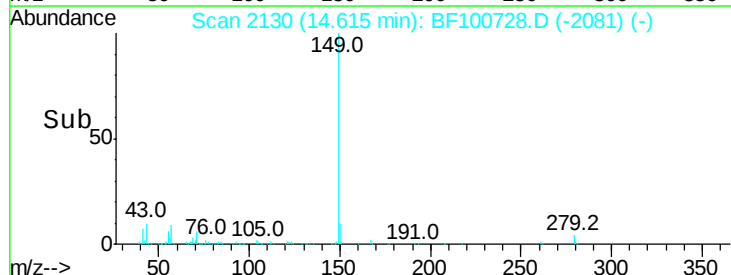
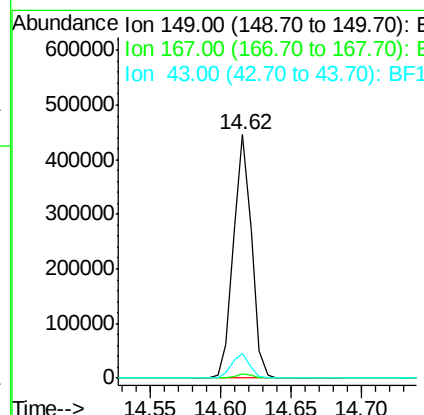
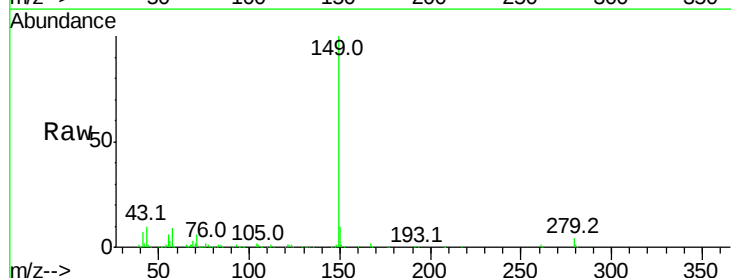
Manual Integrations  
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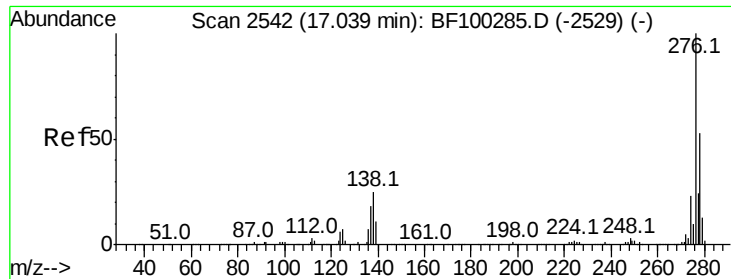
SOHIL  
 11/21/2017 2:15:09 PM



#84  
 Di-n-octyl phthalate  
 Concen: 34.463 ng  
 RT: 14.62 min Scan# 2130  
 Delta R.T. -0.01 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 395633 |       |       |
| 167     | 1.6   |        | 1.2   | 1.8   |
| 43      | 9.8   |        | 8.4   | 12.6  |





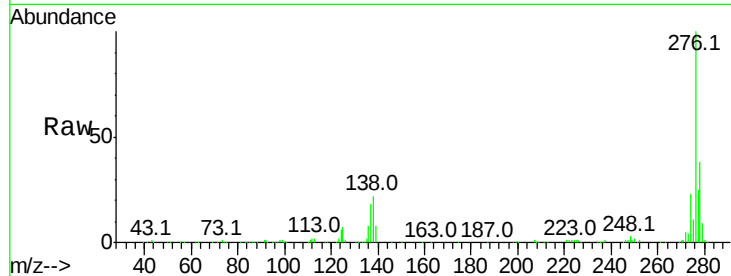
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 54.978 ng  
RT: 16.99 min Scan# 2533  
Delta R.T. -0.02 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

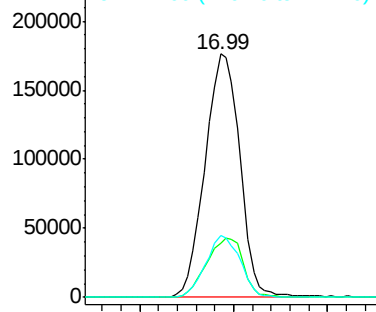
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.6  | 25.0  | 37.6  |
| 277     | 25.2  | 20.1  | 30.1  |

Manual Integrations  
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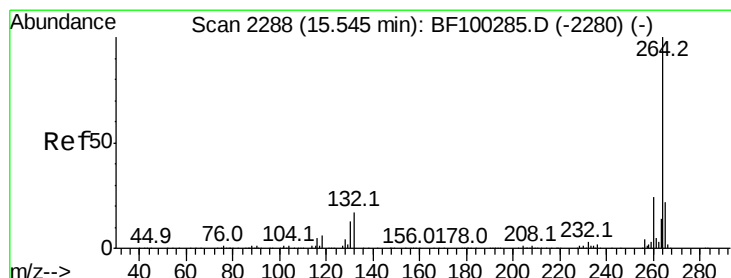
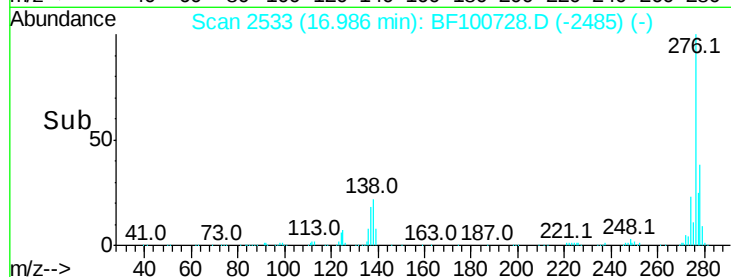
SOHIL  
11/21/2017 2:15:09 PM



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



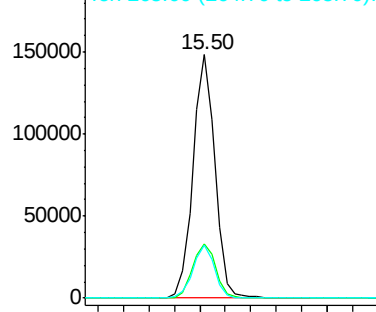
Time-->



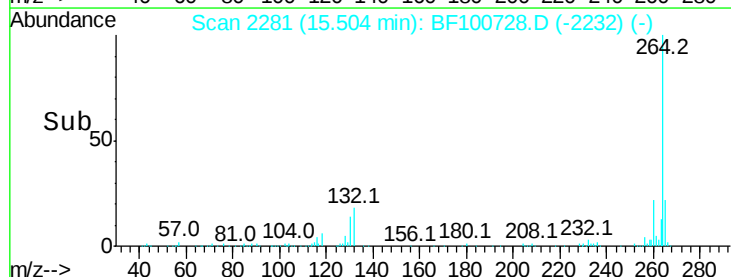
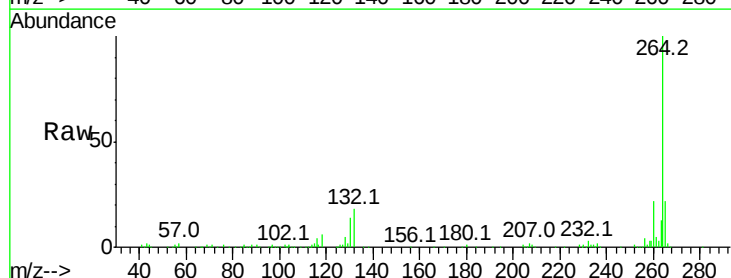
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.50 min Scan# 2281  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.3  | 19.2  | 28.8  |
| 265     | 21.5  | 17.5  | 26.3  |

Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



Time-->





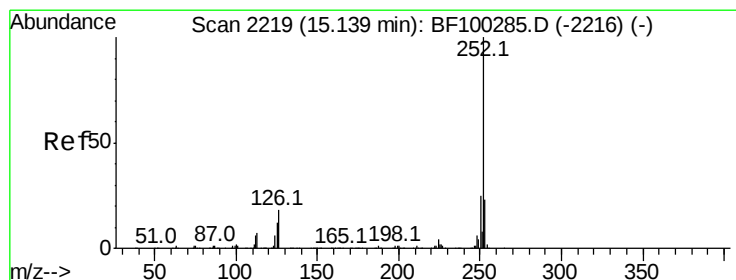
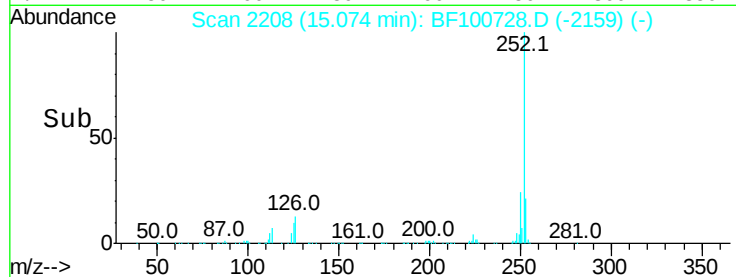
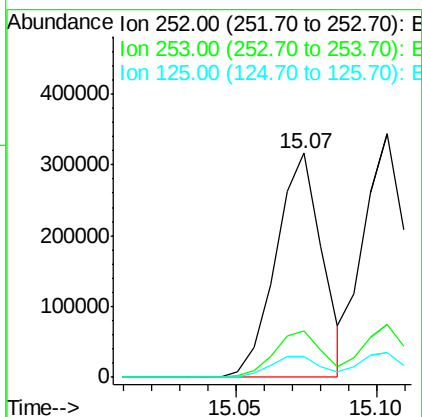
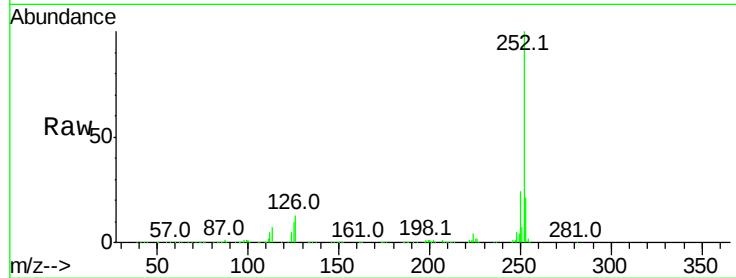
#87  
Benzo(b)fluoranthene  
Concen: 34.251 ng  
RT: 15.07 min Scan# 2208  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.0  | 17.0  | 25.6  |
| 125     | 9.6   | 9.0   | 13.6  |

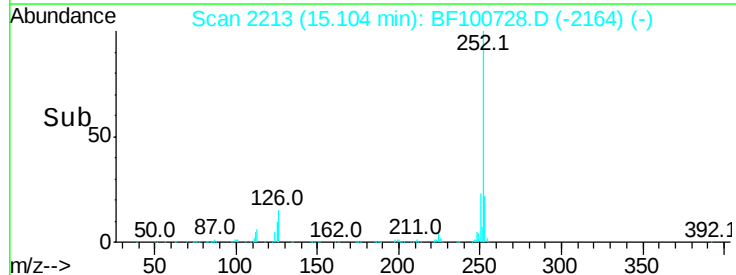
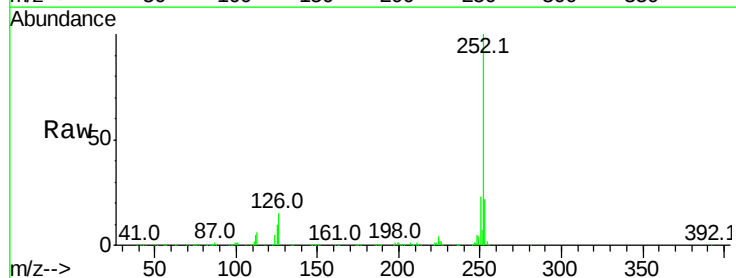
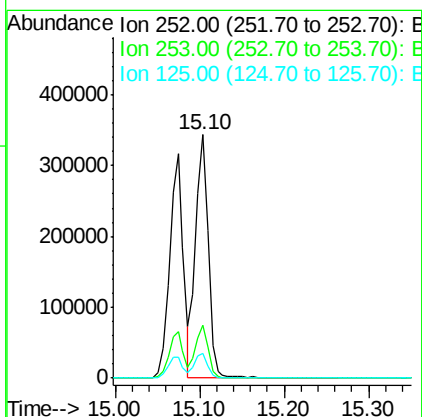
Manual Integrations  
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11/21/2017 2:15:09 PM



#88  
Benzo(k)fluoranthene  
Concen: 35.913 ng  
RT: 15.10 min Scan# 2213  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 17.9  | 26.9  |
| 125     | 10.2  | 10.2  | 15.2  |





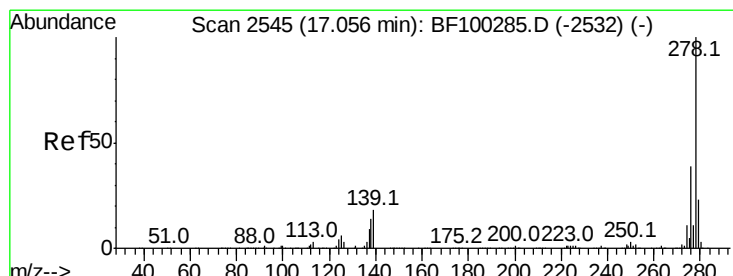
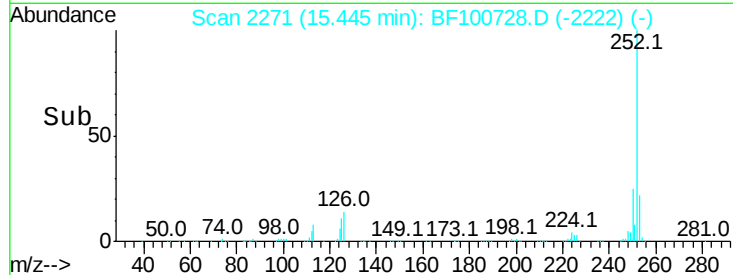
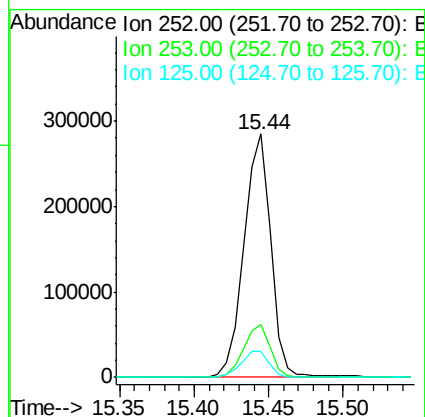
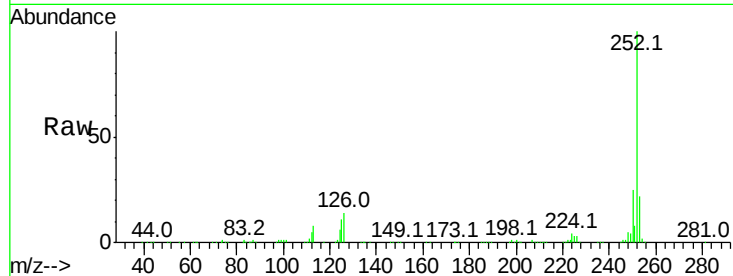
#89  
Benzo(a)pyrene  
Concen: 38.134 ng  
RT: 15.44 min Scan# 2271  
Delta R.T. -0.01 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
IDOC-SOIL-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.1  | 25.7  |
| 125     | 10.7  | 9.8   | 14.6  |

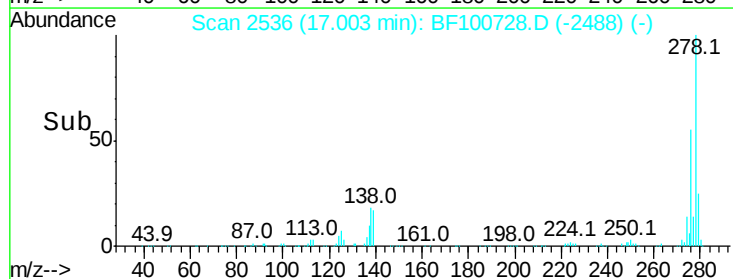
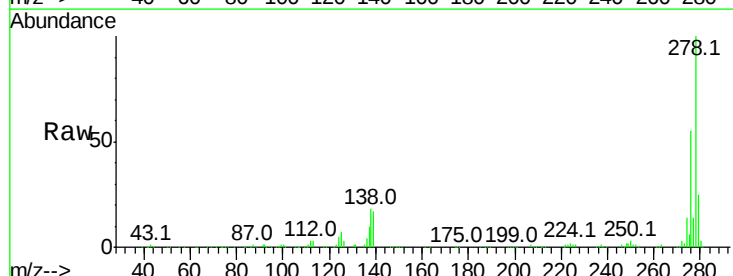
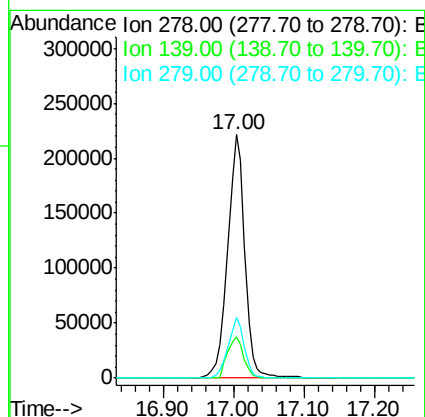
Manual Integrations  
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11/21/2017 2:15:09 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 49.440 ng  
RT: 17.00 min Scan# 2536  
Delta R.T. -0.02 min  
Lab File: BF100728.D  
Acq: 20 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.8  | 15.9  | 23.9  |
| 279     | 24.8  | 19.0  | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 52.943 ng  
 RT: 17.44 min Scan# 2610  
 Delta R.T. -0.02 min  
 Lab File: BF100728.D  
 Acq: 20 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IDOC-SOIL-02

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 276  | Resp: | 394848 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 22.5 | 17.9  | 26.9   |
| 138       | 23.5 | 21.8  | 32.8   |

Manual Integrations  
 APPROVED

SOHIL  
 11/21/2017 2:15:09 PM

