

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081115\  
 Data File : BF080971.D  
 Acq On : 11 Aug 2015 20:08  
 Operator : UM/IZ  
 Sample : G3212-02MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

Quant Time: Aug 12 00:46:48 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 08 01:33:05 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.78  | 152  | 63167    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.08  | 136  | 295127   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.82  | 164  | 136999   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.30 | 188  | 261157   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 13.93 | 240  | 224898   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 15.32 | 264  | 175237   | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.40  | 112 | 413281 | 106.90 | ng | 0.02  |
| 7) Phenol-d6             | 6.43  | 99  | 481825 | 90.95  | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.36  | 82  | 379368 | 60.80  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.61 | 330 | 154648 | 102.75 | ng | -0.02 |
| 44) 2-Fluorobiphenyl     | 9.15  | 172 | 632410 | 64.99  | ng | -0.02 |
| 78) Terphenyl-d14        | 12.89 | 244 | 729145 | 66.97  | ng | -0.02 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.52 | 88  | 54851  | 29.91 | ng | # 80   |
| 3) Pyridine                    | 3.20 | 79  | 74176  | 14.26 | ng | 91     |
| 4) n-Nitrosodimethylamine      | 3.12 | 42  | 83313  | 31.38 | ng | 87     |
| 6) Aniline                     | 6.45 | 93  | 50857  | 6.53  | ng | # 80   |
| 8) 2-Chlorophenol              | 6.58 | 128 | 123753 | 27.66 | ng | 96     |
| 9) Benzaldehyde                | 6.33 | 77  | 85490  | 23.94 | ng | 87     |
| 10) Phenol                     | 6.44 | 94  | 165172 | 26.28 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 6.53 | 93  | 137831 | 29.37 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 6.81 | 146 | 126907 | 26.73 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 6.81 | 146 | 126907 | 25.72 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146 | 114472 | 25.67 | ng | 96     |
| 15) Benzyl Alcohol             | 6.93 | 79  | 115549 | 26.65 | ng | 90     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45  | 266387 | 28.21 | ng | 97     |
| 17) 2-Methylphenol             | 7.05 | 107 | 107388 | 28.12 | ng | # 89   |
| 18) Hexachloroethane           | 7.30 | 117 | 48949  | 25.90 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70  | 103103 | 26.63 | ng | 92     |
| 20) 3+4-Methylphenols          | 7.21 | 107 | 134204 | 27.98 | ng | 90     |
| 22) Acetophenone               | 7.21 | 105 | 240119 | 33.21 | ng | # 88   |
| 24) Nitrobenzene               | 7.37 | 77  | 143901 | 22.40 | ng | 98     |
| 25) Isophorone                 | 7.62 | 82  | 338494 | 28.21 | ng | 99     |
| 26) 2-Nitrophenol              | 7.69 | 139 | 76725  | 28.38 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 7.73 | 122 | 151584 | 29.95 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93  | 184653 | 25.63 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.93 | 162 | 112184 | 26.98 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.02 | 180 | 122921 | 27.04 | ng | 99     |
| 31) Naphthalene                | 8.09 | 128 | 401762 | 24.70 | ng | 99     |
| 32) Benzoic acid               | 7.82 | 122 | 40167  | 13.26 | ng | 89     |
| 33) 4-Chloroaniline            | 8.14 | 127 | 34591  | 5.23  | ng | 96     |
| 34) Hexachlorobutadiene        | 8.21 | 225 | 68893  | 25.47 | ng | 98     |
| 35) Caprolactam                | 8.51 | 113 | 17631  | 11.79 | ng | # 68   |
| 36) 4-Chloro-3-methylphenol    | 8.64 | 107 | 125750 | 24.78 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.78 | 142 | 247328 | 23.88 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 145793 | 34.52 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.94 | 237 | 151208 | 65.61 | ng | 100    |

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 Sample : G3212-02MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

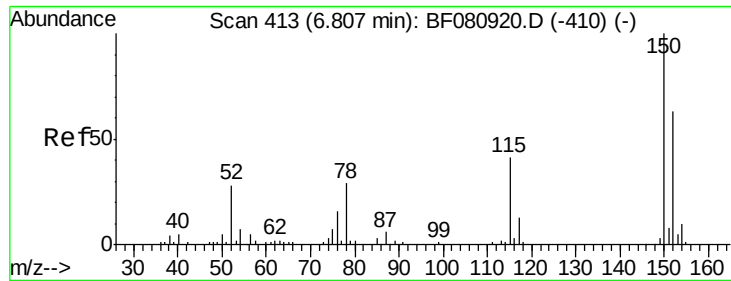
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

Quant Time: Aug 12 00:46:48 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 08 01:33:05 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.07  | 196  | 77983    | 25.19 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.10  | 196  | 88232    | 28.29 | nq    | # 84     |
| 45) 1,1'-Biphenyl              | 9.25  | 154  | 429611   | 36.54 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.28  | 162  | 227414   | 24.81 | nq    | 99       |
| 47) 2-Nitroaniline             | 9.37  | 65   | 91730    | 24.96 | nq    | 92       |
| 48) Acenaphthylene             | 9.69  | 152  | 425374   | 26.69 | nq    | 99       |
| 49) Dimethylphthalate          | 9.55  | 163  | 286952   | 25.21 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.61  | 165  | 59813    | 25.44 | nq    | 95       |
| 51) Acenaphthene               | 9.86  | 154  | 283865   | 29.08 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.78  | 138  | 23109    | 7.97  | nq    | 81       |
| 53) 2,4-Dinitrophenol          | 9.88  | 184  | 47846    | 37.07 | nq    | # 78     |
| 54) Dibenzofuran               | 10.03 | 168  | 368057   | 27.89 | nq    | 99       |
| 55) 4-Nitrophenol              | 9.95  | 139  | 119056   | 54.87 | nq    | # 75     |
| 56) 2,4-Dinitrotoluene         | 10.02 | 165  | 86781    | 27.59 | nq    | # 65     |
| 57) Fluorene                   | 10.37 | 166  | 322236   | 31.56 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.11 | 232  | 57159    | 23.15 | nq    | 97       |
| 59) Diethylphthalate           | 10.26 | 149  | 301895   | 25.49 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.36 | 204  | 127721   | 25.67 | nq    | 99       |
| 61) 4-Nitroaniline             | 10.40 | 138  | 76008    | 25.49 | nq    | 93       |
| 62) Azobenzene                 | 10.52 | 77   | 373177   | 28.17 | nq    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 10.42 | 198  | 40172    | 24.82 | nq    | 92       |
| 65) n-Nitrosodiphenylamine     | 10.49 | 169  | 281248   | 31.00 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.85 | 248  | 84210    | 30.44 | nq    | 94       |
| 67) Hexachlorobenzene          | 10.91 | 284  | 80736    | 26.25 | nq    | # 60     |
| 68) Atrazine                   | 11.01 | 200  | 85034    | 31.97 | nq    | 98       |
| 69) Pentachlorophenol          | 11.10 | 266  | 102975   | 57.59 | nq    | 96       |
| 70) Phenanthrene               | 11.32 | 178  | 373643   | 25.27 | nq    | 98       |
| 71) Anthracene                 | 11.38 | 178  | 447176   | 30.54 | nq    | 99       |
| 72) Carbazole                  | 11.53 | 167  | 375382   | 26.33 | nq    | # 97     |
| 73) Di-n-butylphthalate        | 11.87 | 149  | 528909   | 29.67 | nq    | 99       |
| 74) Fluoranthene               | 12.51 | 202  | 473027   | 29.59 | nq    | 96       |
| 76) Benzidine                  | 12.62 | 184  | 121575   | 10.81 | nq    | 97       |
| 77) Pyrene                     | 12.73 | 202  | 449340   | 27.05 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.36 | 149  | 216464   | 27.03 | nq    | # 73     |
| 80) Benzo(a)anthracene         | 13.92 | 228  | 390889   | 27.52 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.88 | 252  | 58014    | 11.23 | nq    | # 99     |
| 82) Chrysene                   | 13.95 | 228  | 333714   | 24.53 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.92 | 149  | 284386   | 25.52 | nq    | # 94     |
| 84) Di-n-octyl phthalate       | 14.52 | 149  | 479469   | 25.38 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.66 | 276  | 296101   | 22.87 | nq    | 98       |
| 87) Benzo(b)fluoranthene       | 14.96 | 252  | 696388   | 57.15 | nq    | # 98     |
| 88) Benzo(k)fluoranthene       | 14.96 | 252  | 696388   | 65.33 | nq    | 99       |
| 89) Benzo(a)pyrene             | 15.27 | 252  | 319148   | 30.47 | nq    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 16.68 | 278  | 253713   | 27.39 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 17.07 | 276  | 228453   | 25.36 | nq    | # 93     |

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



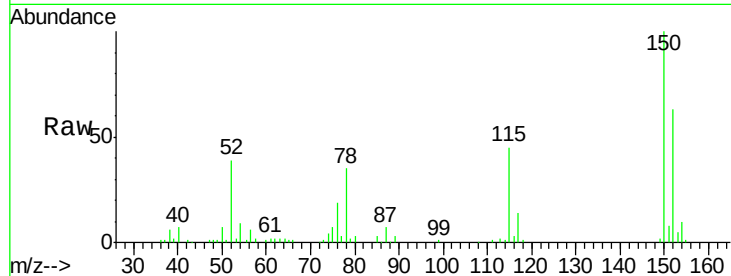


#1

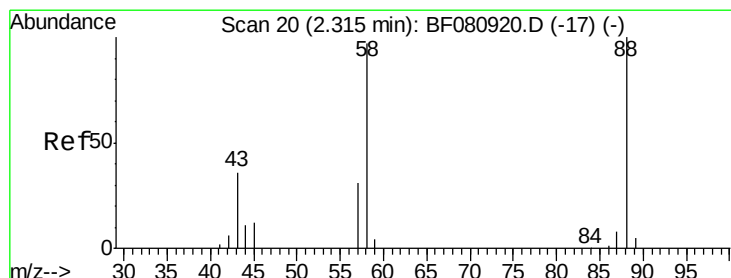
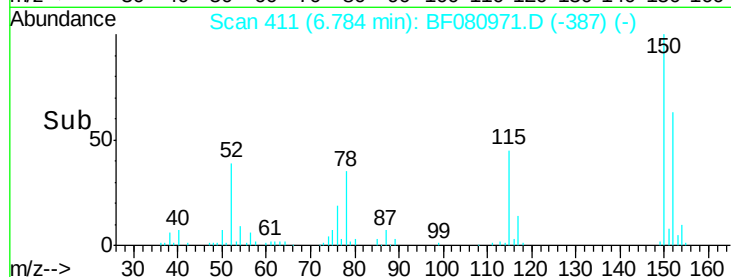
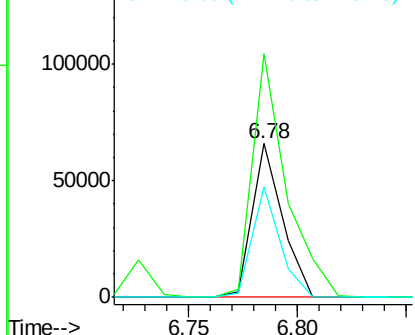
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.78 min Scan# 411  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

Instrument :  
 BNA\_F  
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 SOIL-2MS

Tot Ion:152 Resp: 63167  
 Ion Ratio Lower Upper  
 152 100  
 150 158.6 127.4 191.2  
 115 71.6 52.6 78.8



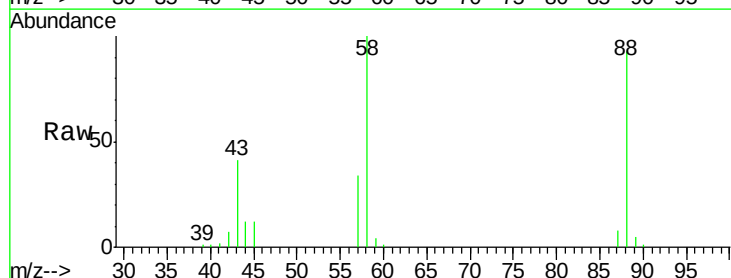
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



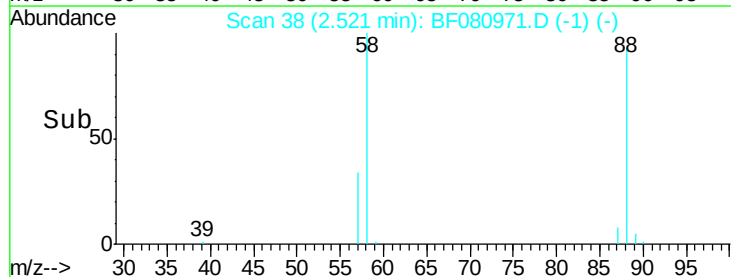
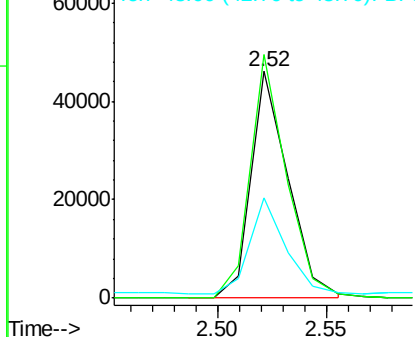
#2

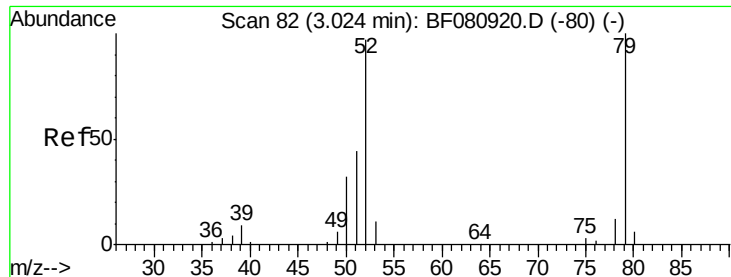
1,4-Dioxane  
 Concen: 29.91 ng  
 RT: 2.52 min Scan# 38  
 Delta R.T. 0.21 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

Tgt Ion: 88 Resp: 54851  
 Ion Ratio Lower Upper  
 88 100  
 58 105.1 79.3 118.9  
 43 0.0 28.3 42.5#



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





#3

Pvridine

Concen: 14.26 ng

RT: 3.20 min Scan# 97

Delta R.T. 0.17 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

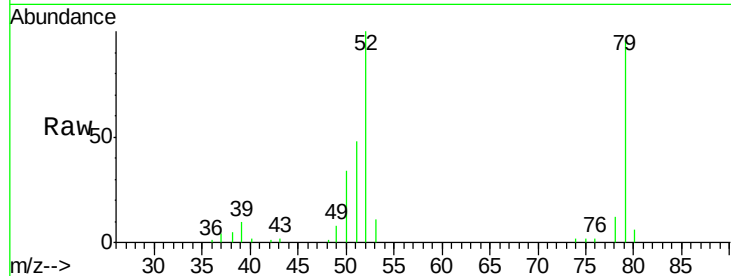
Tot Ion: 79 Resp: 74176

Ion Ratio Lower Upper

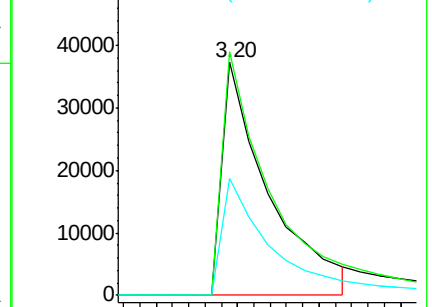
79 100

52 104.4 77.2 115.8

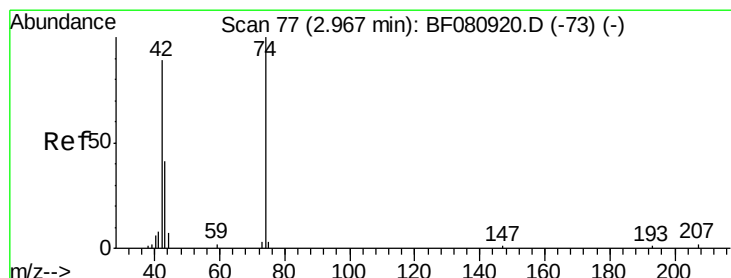
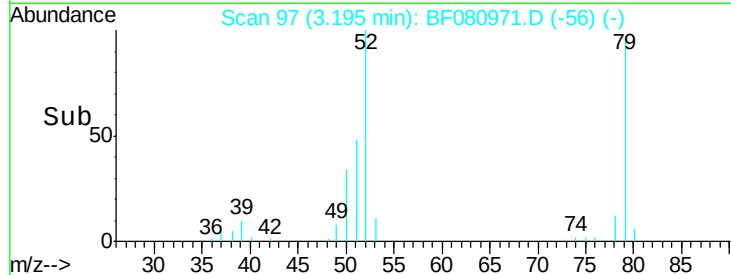
51 50.1 35.0 52.4



Abundance Ion 79.00 (78.70 to 79.70): BF0  
Ion 52.00 (51.70 to 52.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0



Time-->



#4

n-Nitrosodimethylamine

Concen: 31.38 ng

RT: 3.12 min Scan# 90

Delta R.T. 0.15 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

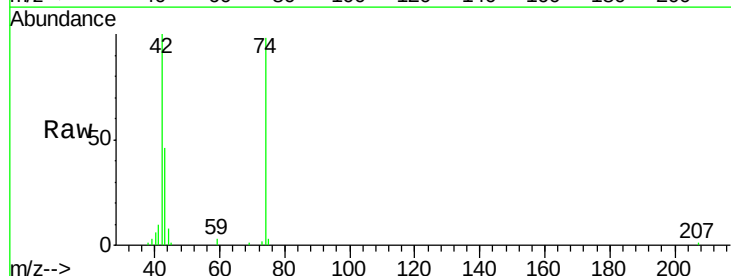
Tgt Ion: 42 Resp: 83313

Ion Ratio Lower Upper

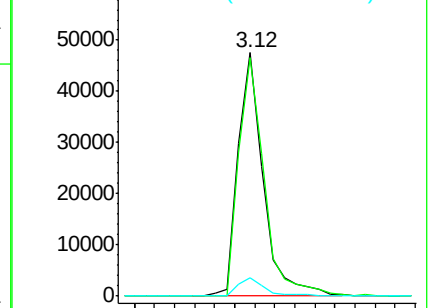
42 100

74 98.0 89.8 134.8

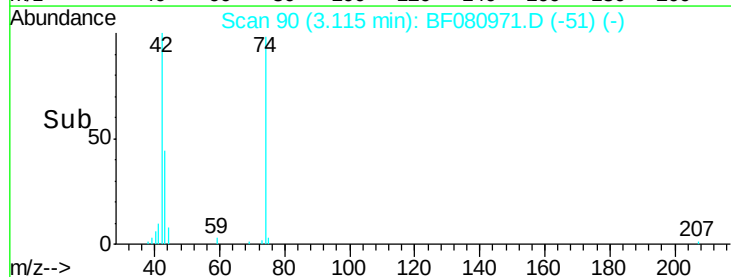
44 7.7 6.5 9.7

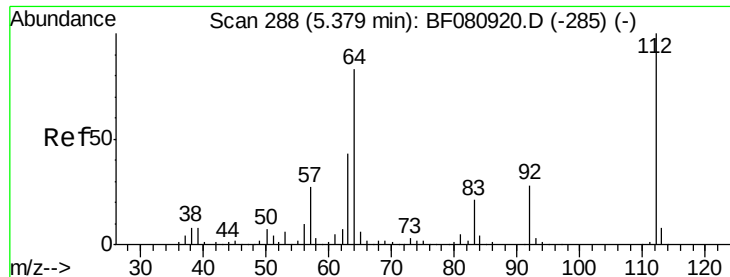


Abundance Ion 42.00 (41.70 to 42.70): BF0  
Ion 74.00 (73.70 to 74.70): BF0  
Ion 44.00 (43.70 to 44.70): BF0



Time-->





#5

2-Fluorophenol

Concen: 106.90 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

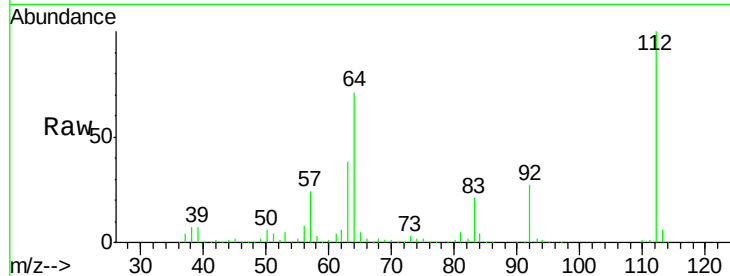
Tot Ion:112 Resp: 413281

Ion Ratio Lower Upper

112 100

64 70.8 66.1 99.1

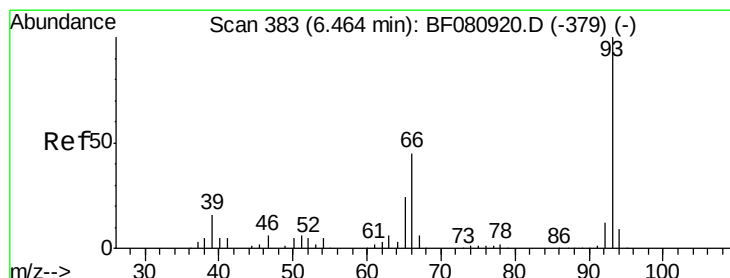
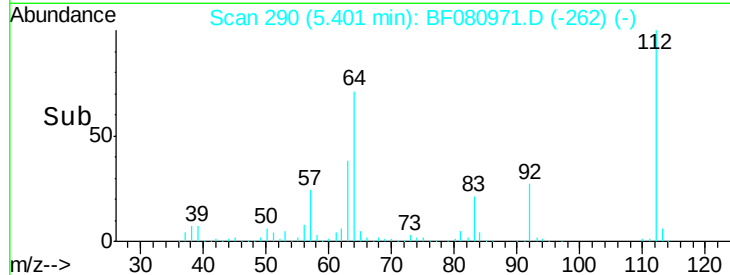
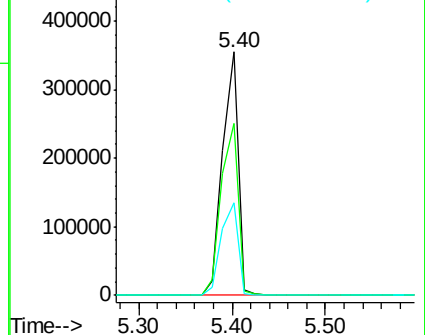
63 38.0 34.6 52.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 6.53 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

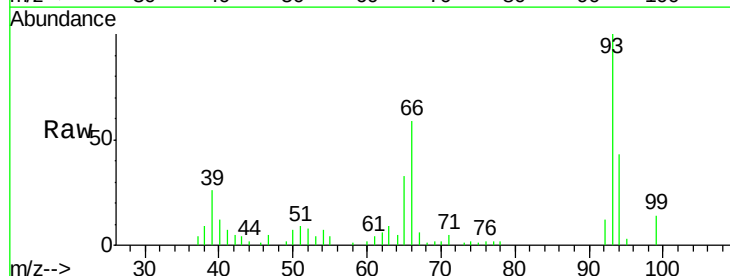
Tgt Ion: 93 Resp: 50857

Ion Ratio Lower Upper

93 100

66 59.4 36.2 54.4#

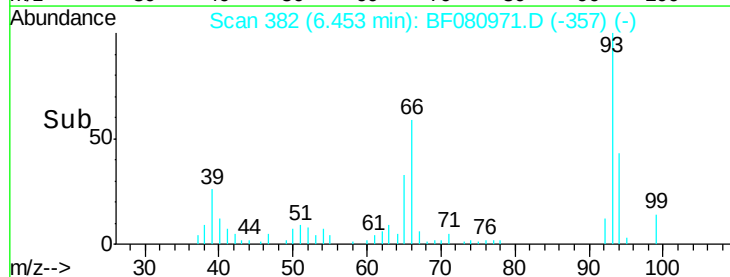
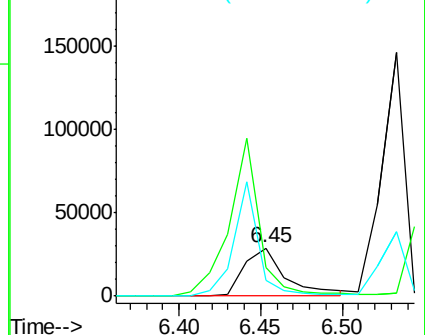
65 32.8 19.0 28.4#

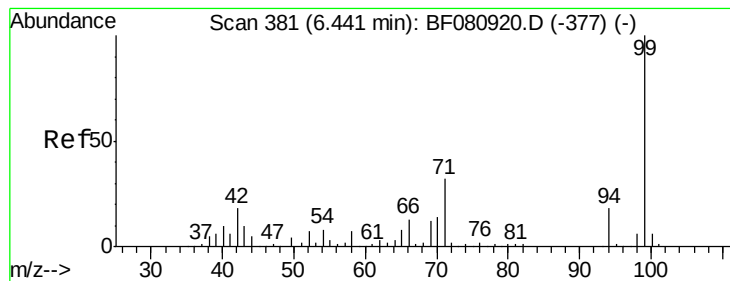


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 90.95 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

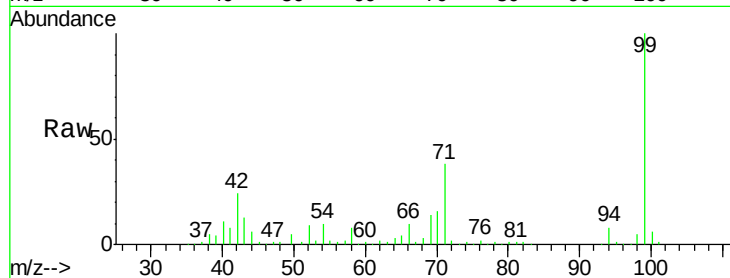
Tot Ion: 99 Resp: 481825

Ion Ratio Lower Upper

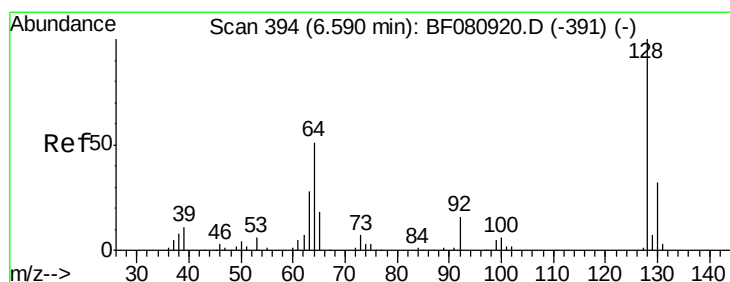
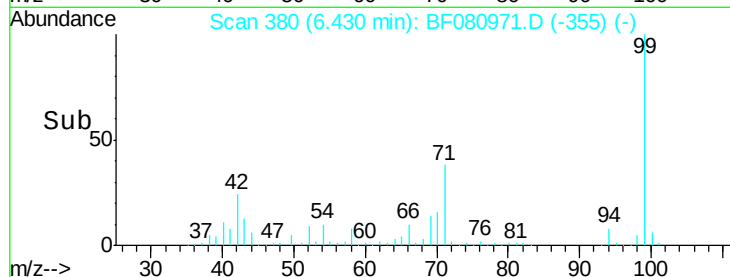
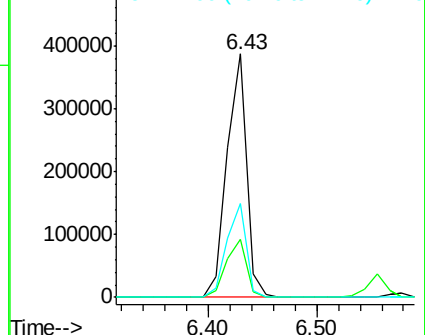
99 100

42 24.1 14.4 21.6#

71 38.5 25.8 38.8



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



#8

2-Chlorophenol

Concen: 27.66 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

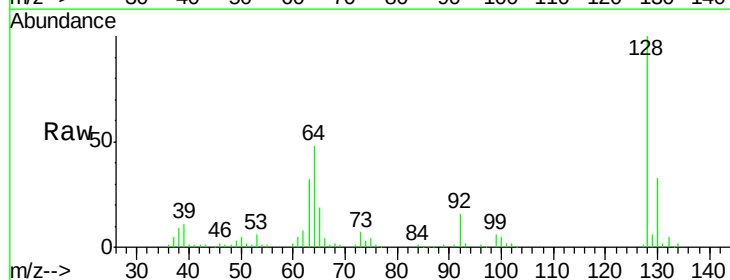
Tgt Ion: 128 Resp: 123753

Ion Ratio Lower Upper

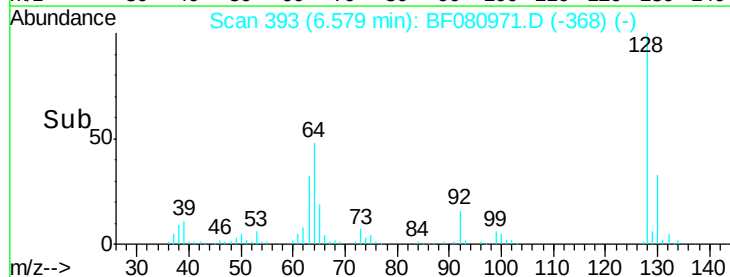
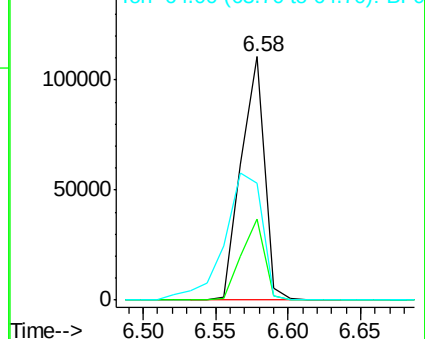
128 100

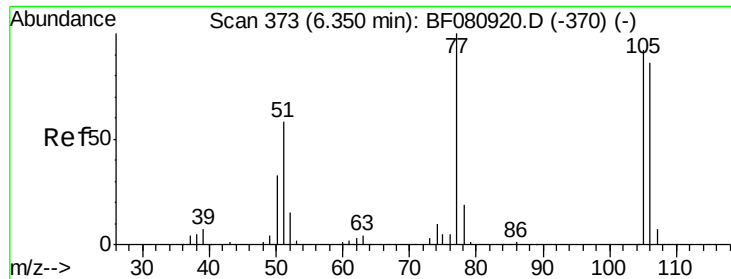
130 33.1 12.4 52.4

64 48.1 32.1 72.1



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





#9

Benzaldehyde

Concen: 23.94 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

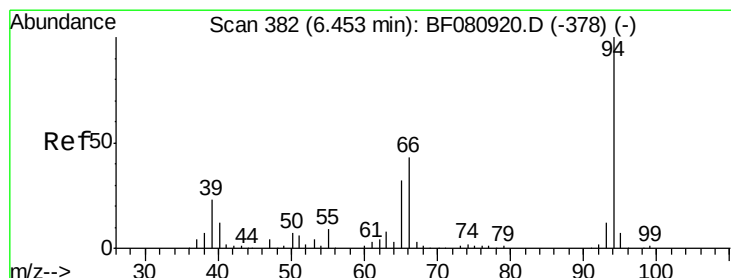
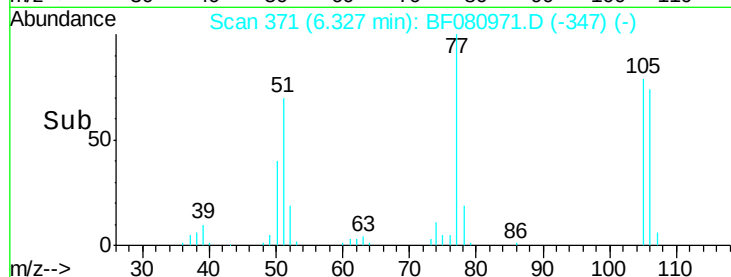
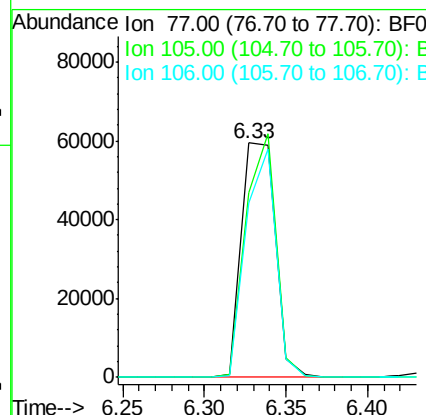
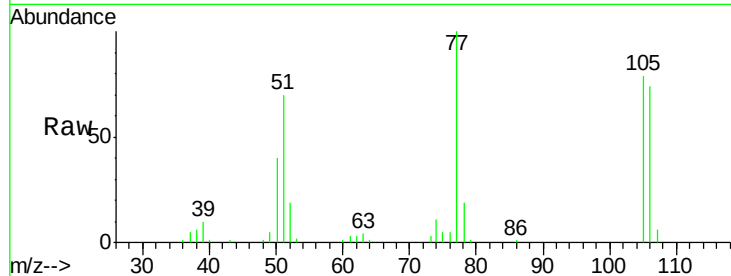
Tot Ion: 77 Resp: 85490

Ion Ratio Lower Upper

77 100

105 79.0 71.6 111.6

106 74.1 65.7 105.7



#10

Phenol

Concen: 26.28 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

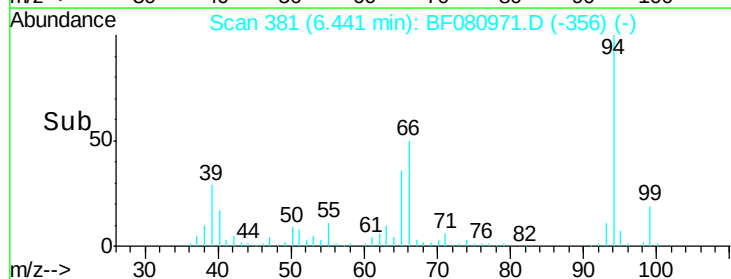
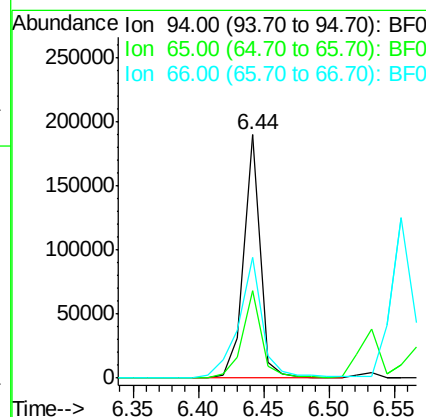
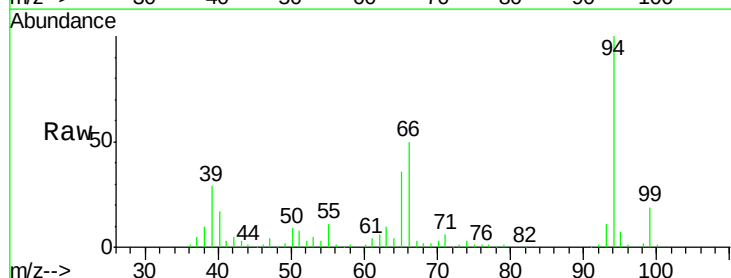
Tgt Ion: 94 Resp: 165172

Ion Ratio Lower Upper

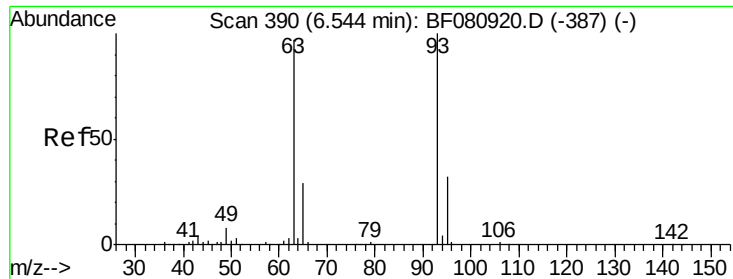
94 100

65 36.0 11.8 51.8

66 49.9 22.9 62.9



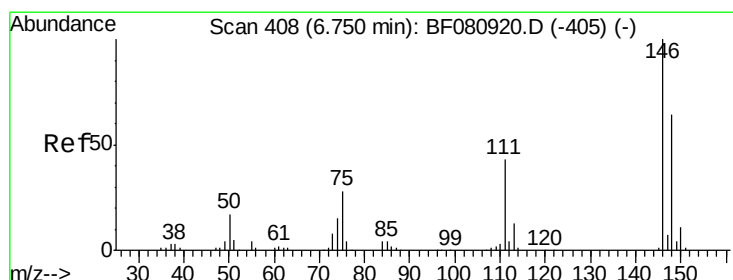
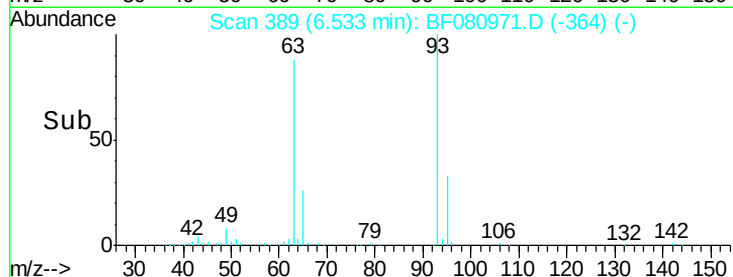
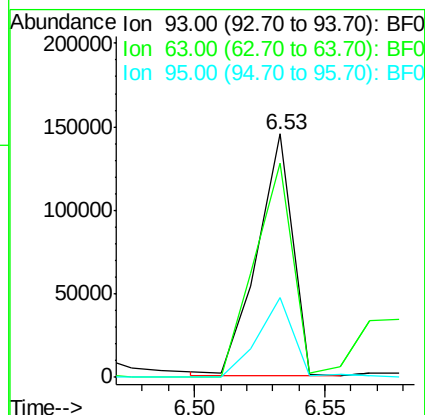
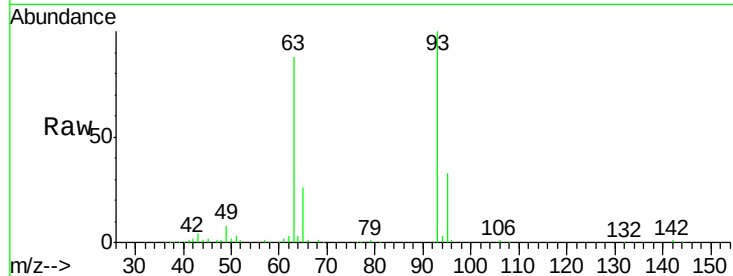




#11  
bis(2-Chloroethyl)ether  
Concen: 29.37 ng  
RT: 6.53 min Scan# 389  
Delta R.T. -0.01 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

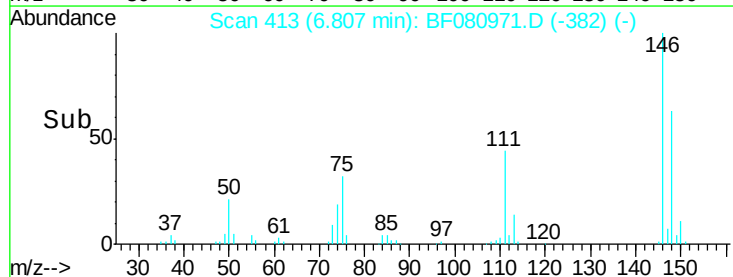
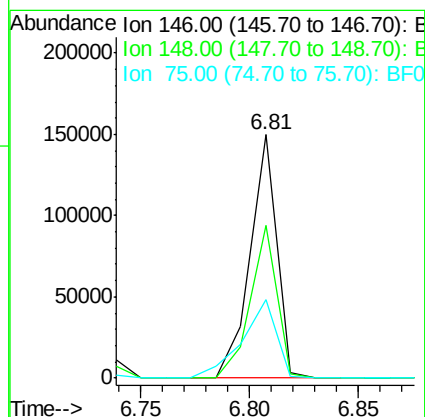
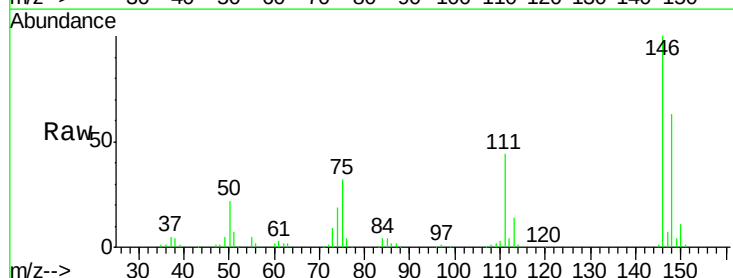
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-2MS

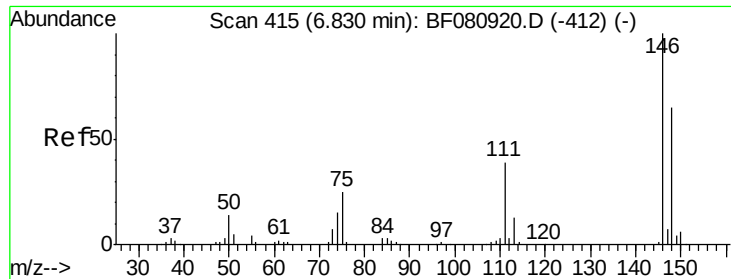
Tot Ion: 93 Resp: 137831  
Ion Ratio Lower Upper  
93 100  
63 87.7 76.7 116.7  
95 32.5 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 26.73 ng  
RT: 6.81 min Scan# 413  
Delta R.T. 0.06 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

Tgt Ion: 146 Resp: 126907  
Ion Ratio Lower Upper  
146 100  
148 62.9 51.4 77.0  
75 32.0 22.2 33.4

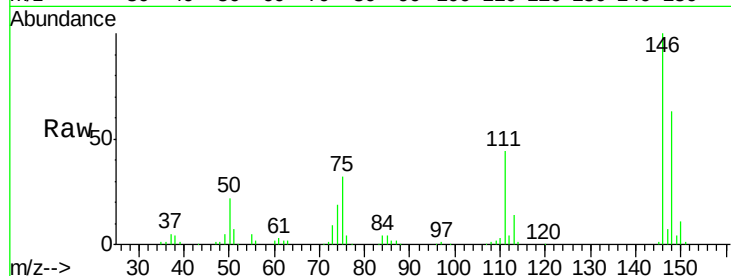




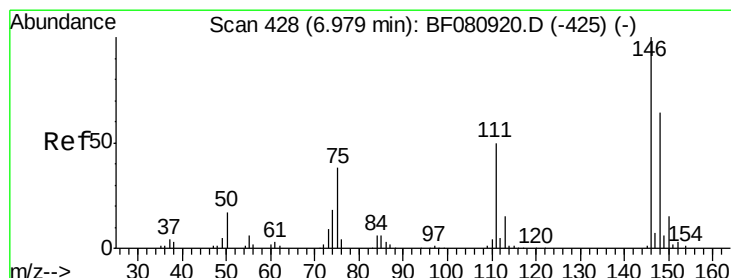
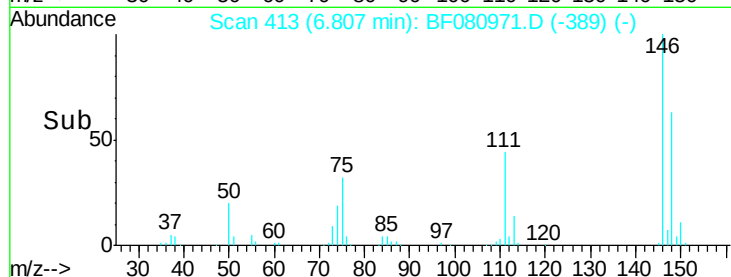
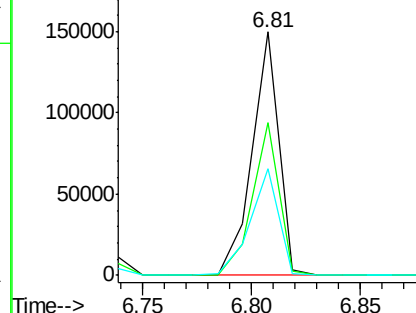
#13  
 1,4-Dichlorobenzene  
 Concen: 25.72 ng  
 RT: 6.81 min Scan# 413  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.9  | 52.2  | 78.4  |
| 111     | 44.0  | 31.5  | 47.3  |

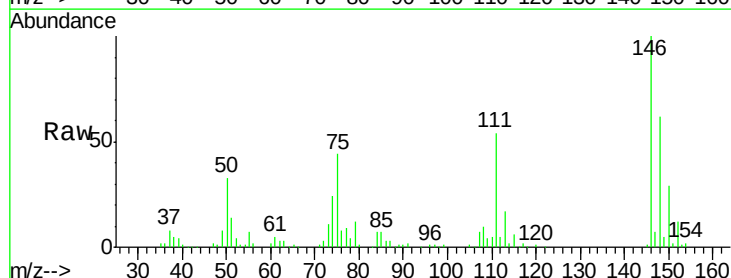


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

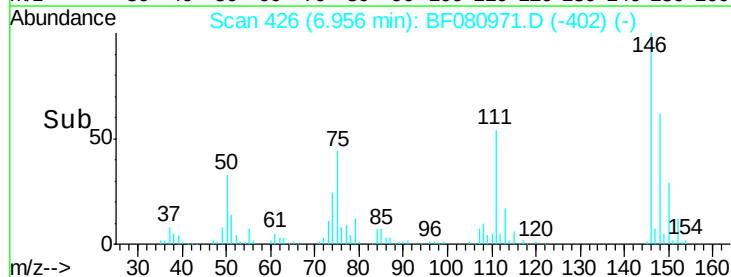
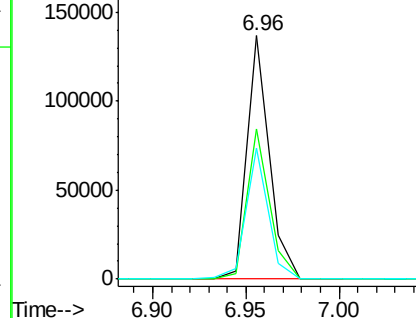


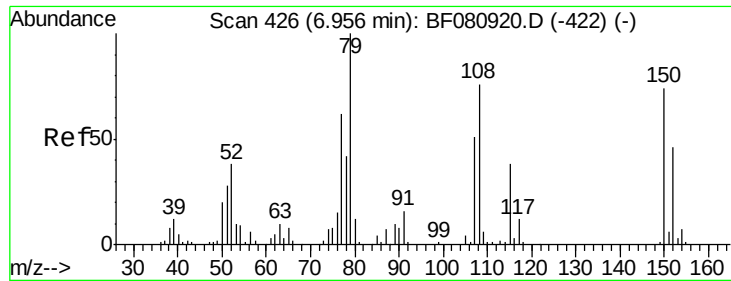
#14  
 1,2-Dichlorobenzene  
 Concen: 25.67 ng  
 RT: 6.96 min Scan# 426  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 61.6  | 51.1  | 76.7  |
| 111     | 53.8  | 40.0  | 60.0  |



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

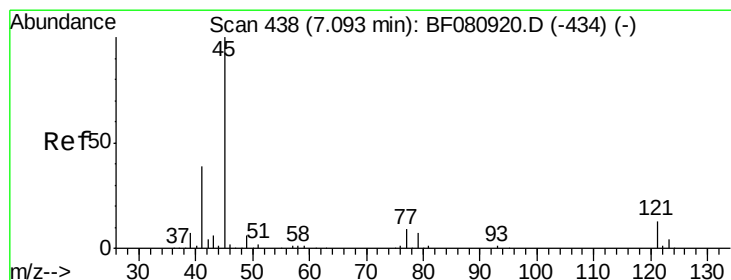
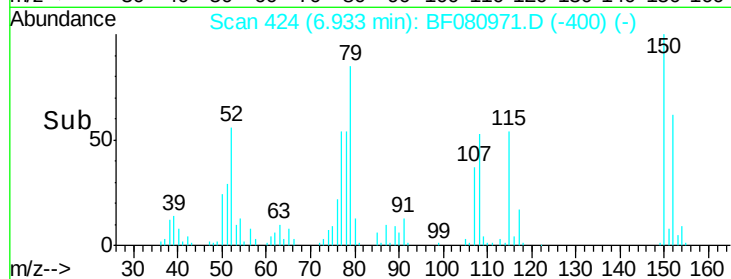
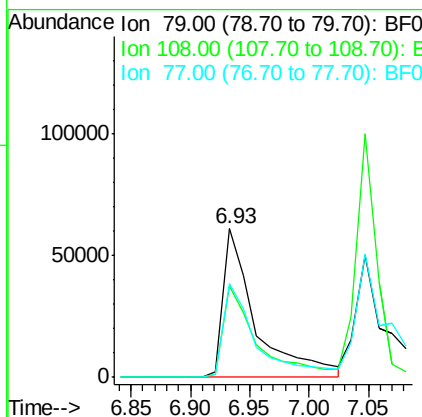
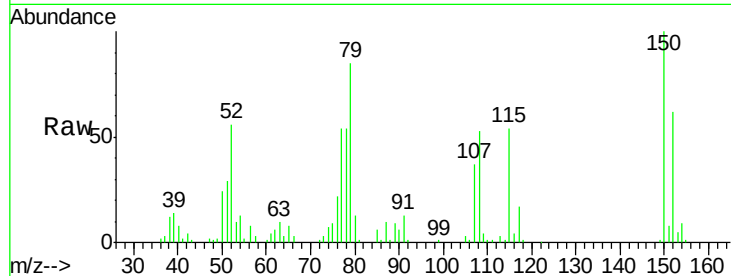




#15  
Benzyl Alcohol  
Concen: 26.65 ng  
RT: 6.93 min Scan# 424  
Delta R.T. -0.02 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

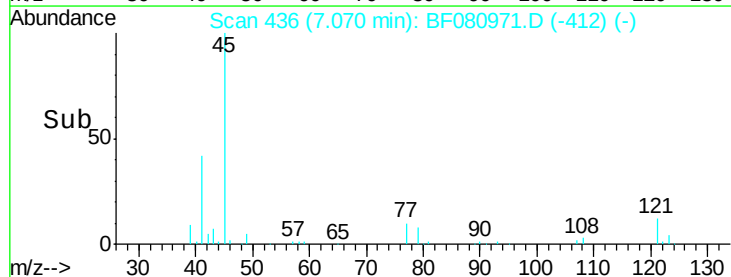
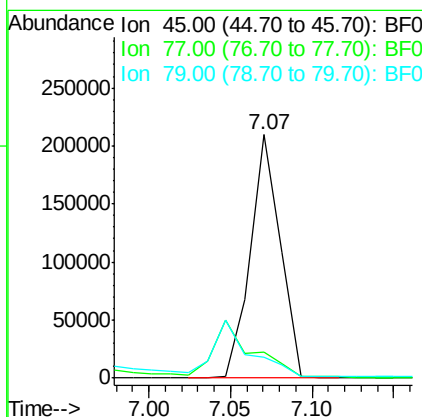
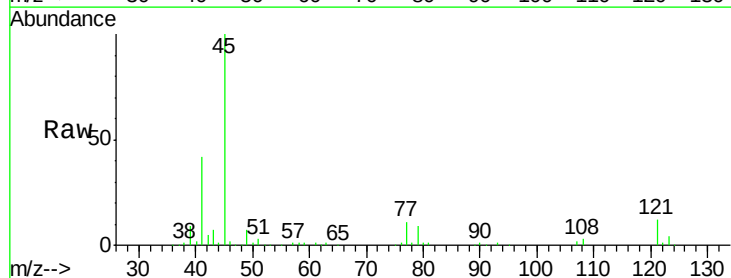
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-2MS

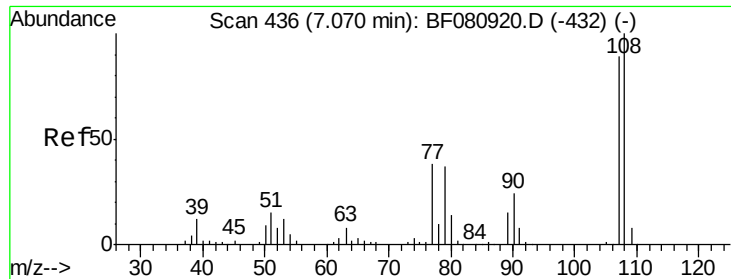
Tot Ion: 79 Resp: 115549  
Ion Ratio Lower Upper  
79 100  
108 61.8 60.9 91.3  
77 63.0 49.4 74.0



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 28.21 ng  
RT: 7.07 min Scan# 436  
Delta R.T. -0.02 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

Tgt Ion: 45 Resp: 266387  
Ion Ratio Lower Upper  
45 100  
77 10.5 0.0 29.6  
79 8.6 0.0 27.7





#17

2-Methylphenol

Concen: 28.12 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampled :

SOIL-2MS

Tot Ion:107 Resp: 107388

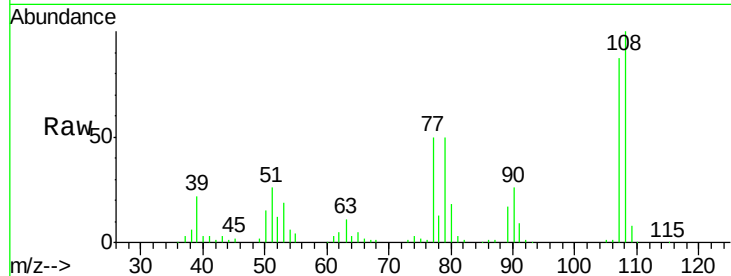
Ion Ratio Lower Upper

107 100

108 114.8 90.3 135.5

77 57.9 34.6 51.8#

79 57.8 33.6 50.4#

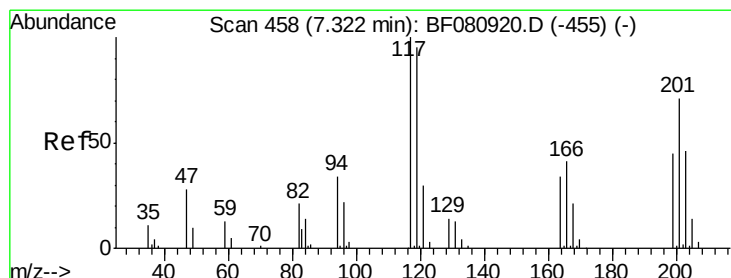
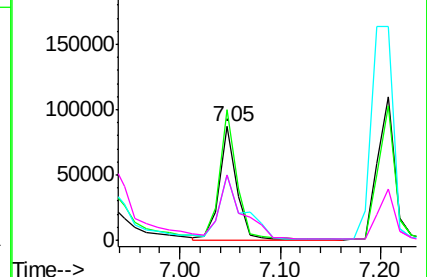
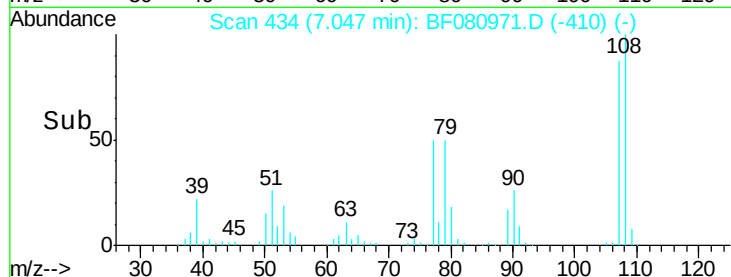


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 25.90 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

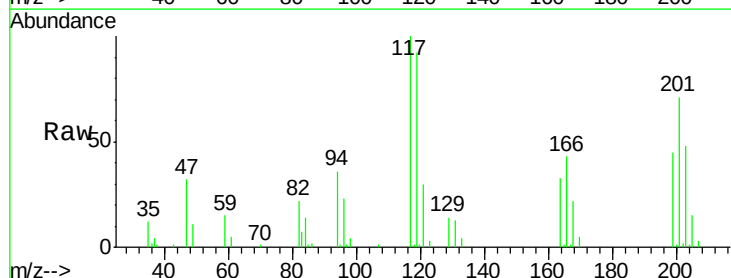
Tgt Ion:117 Resp: 48949

Ion Ratio Lower Upper

117 100

119 92.1 76.3 114.5

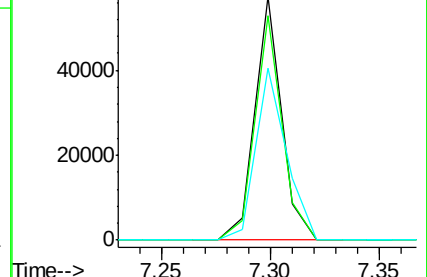
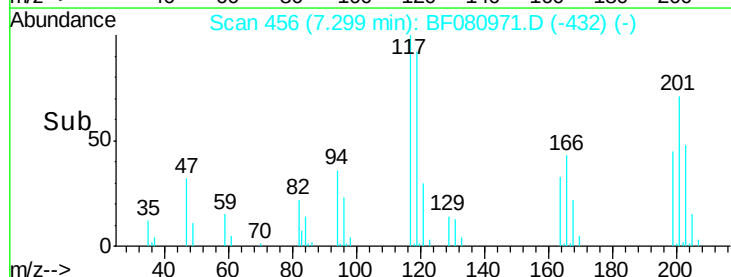
201 70.8 57.0 85.6

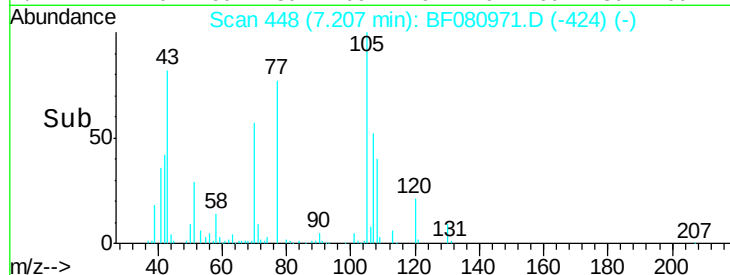
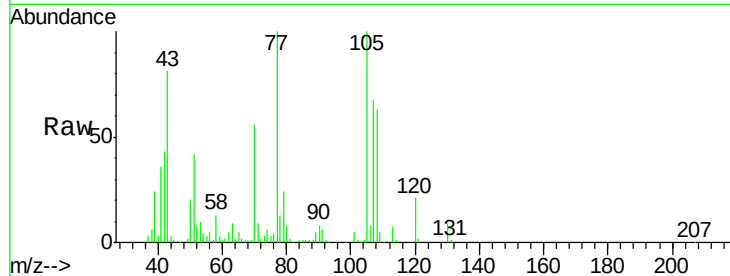
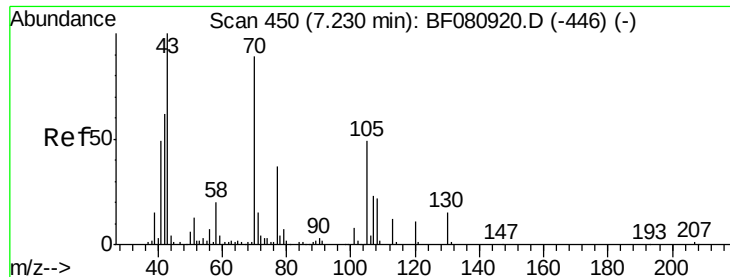


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

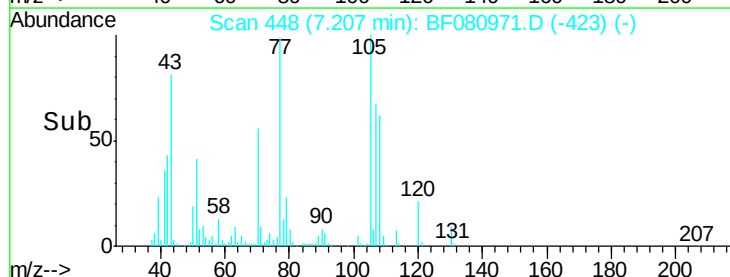
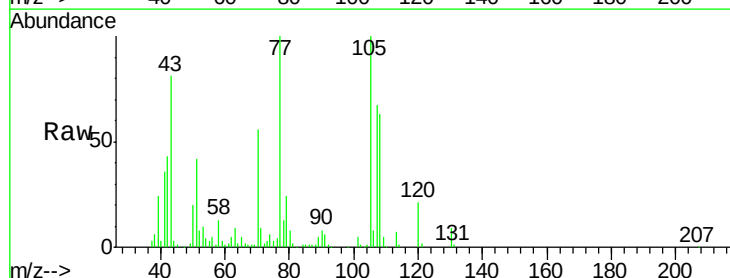
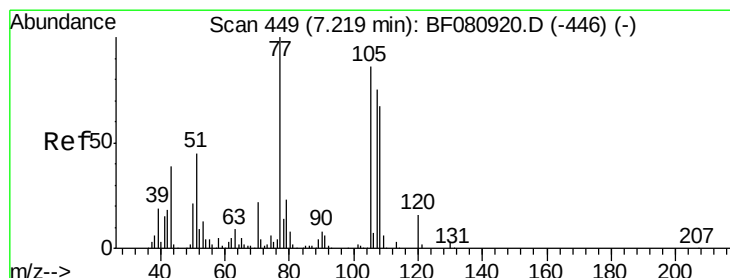
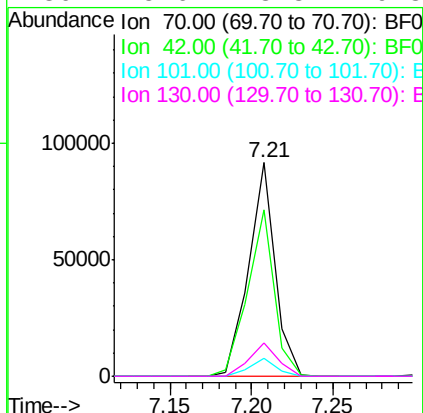




#19  
n-Nitroso-di-n-propylamine  
Concen: 26.63 ng  
RT: 7.21 min Scan# 448  
Delta R.T. -0.02 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

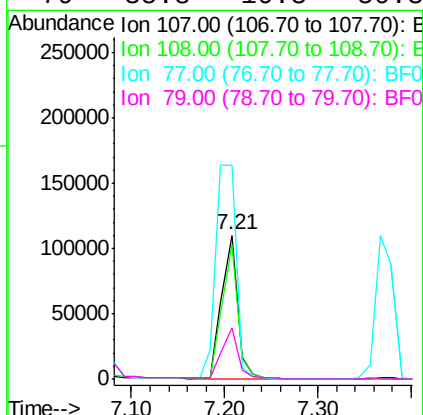
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-2MS

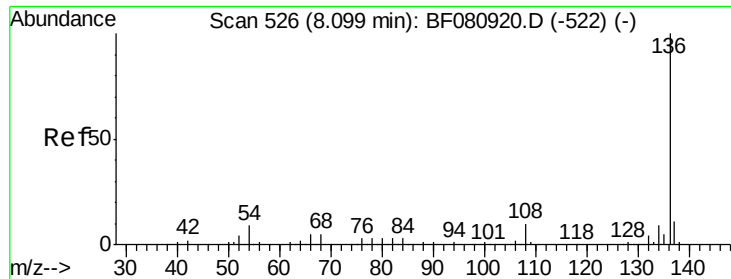
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 103103 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 77.8  | 55.7  | 83.5   |
| 101      | 8.3   | 7.0   | 10.6   |
| 130      | 15.6  | 13.8  | 20.8   |



#20  
3+4-Methylphenols  
Concen: 27.98 ng  
RT: 7.21 min Scan# 448  
Delta R.T. -0.01 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 134204 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 93.3  | 69.2  | 109.2  |
| 77       | 148.4 | 113.0 | 153.0  |
| 79       | 35.8  | 10.3  | 50.3   |

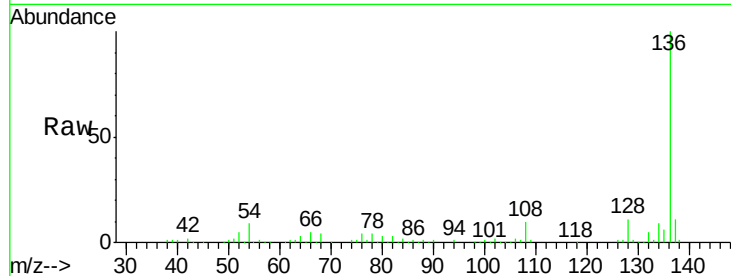




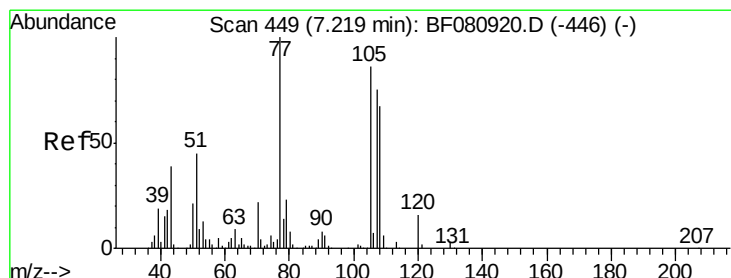
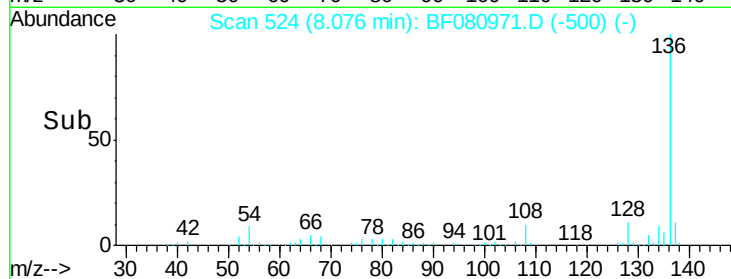
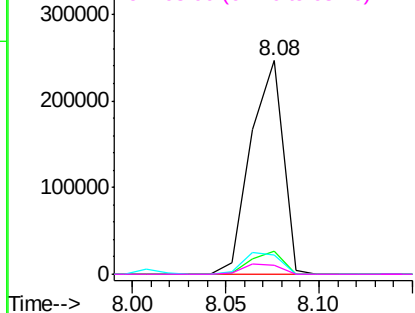
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.08 min Scan# 524  
Delta R.T. -0.02 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-2MS

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 295127   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.6  | 8.5 12.7 |
| 54          | 8.9   | 7.1 10.7 |
| 68          | 4.3   | 3.8 5.8  |

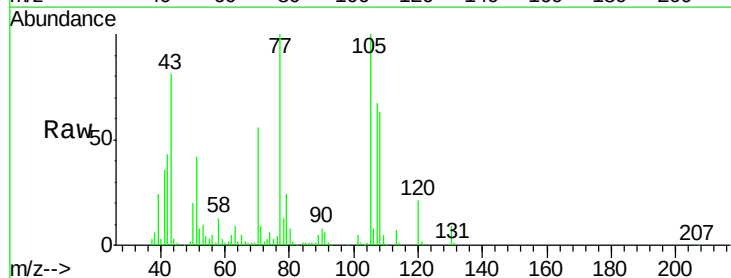


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

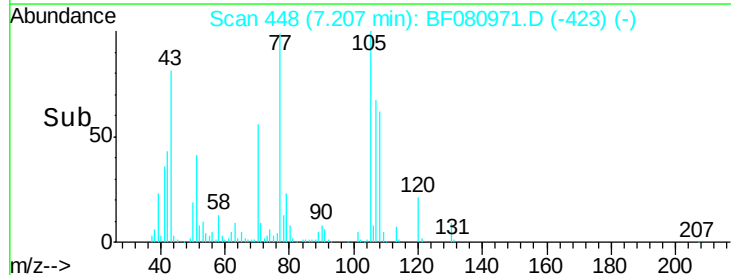
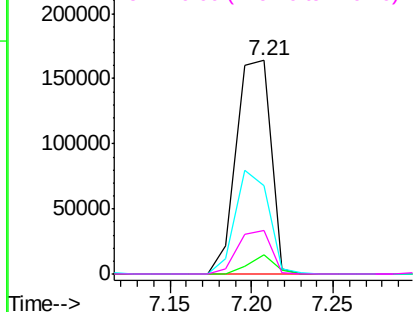


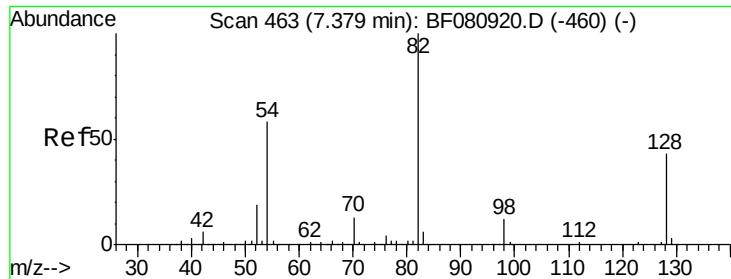
#22  
Acetophenone  
Concen: 33.21 ng  
RT: 7.21 min Scan# 448  
Delta R.T. -0.01 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 240119     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 9.1   | 3.3 4.9#   |
| 51          | 41.6  | 41.8 62.6# |
| 120         | 20.5  | 15.1 22.7  |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 120.00 (119.70 to 120.70): E

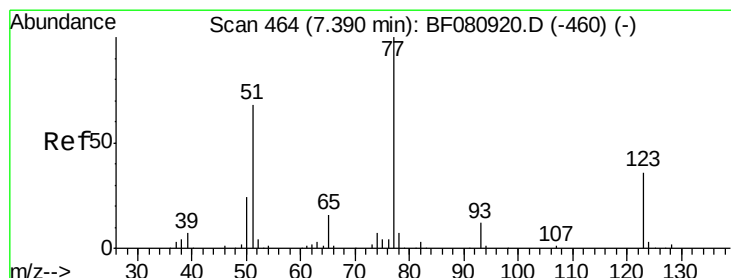
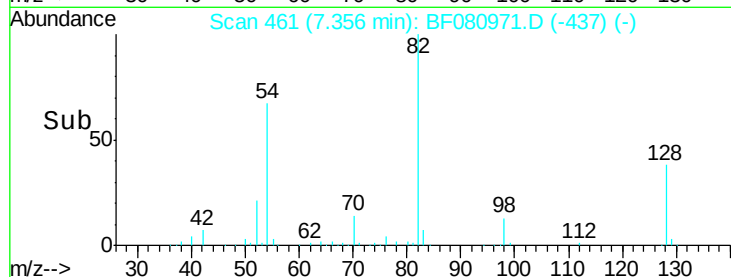
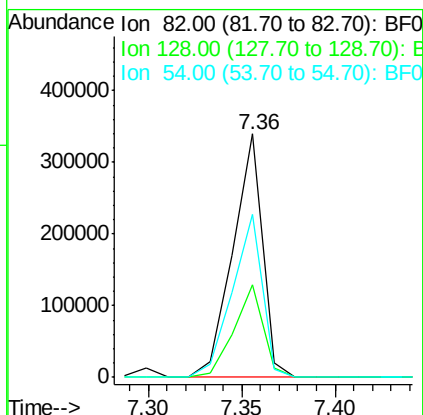
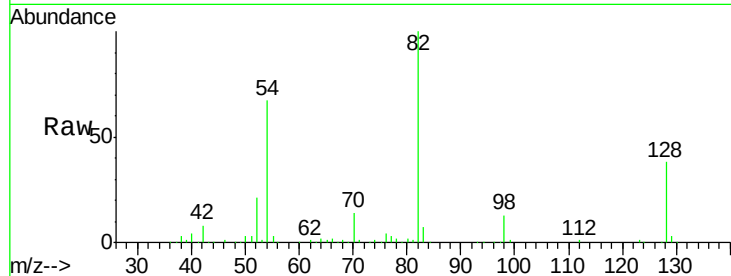




#23  
 Nitrobenzene-d5  
 Concen: 60.80 ng  
 RT: 7.36 min Scan# 461  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

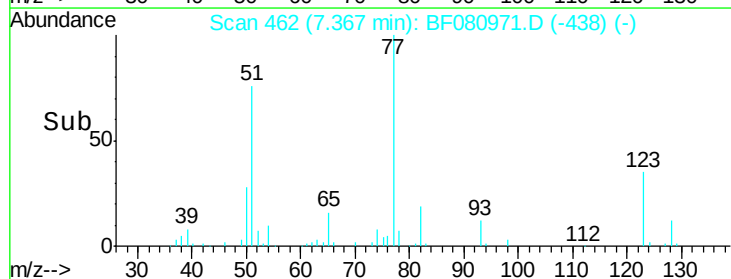
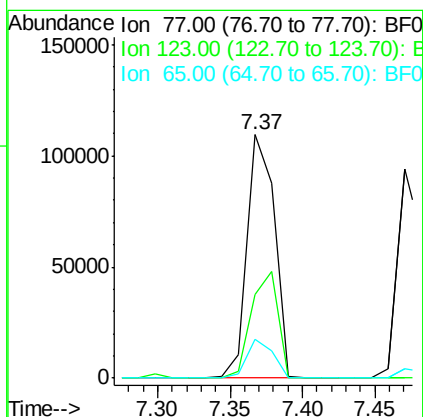
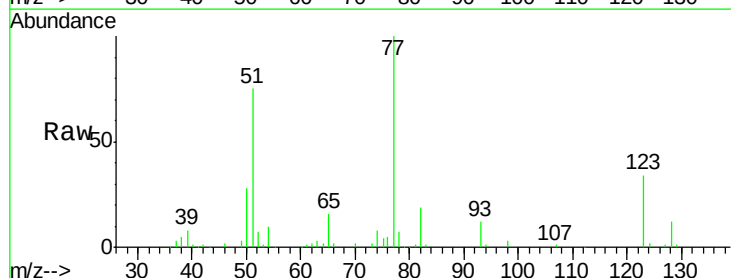
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

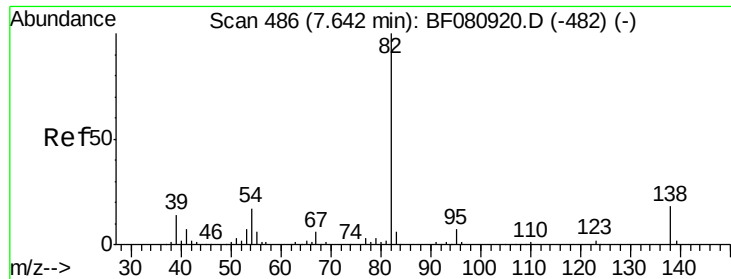
| Tot Ion   | 82    | Resp  | 379368 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.8  | 34.1  | 51.1   |
| 54        | 66.9  | 46.5  | 69.7   |



#24  
 Nitrobenzene  
 Concen: 22.40 ng  
 RT: 7.37 min Scan# 462  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

| Tgt Ion   | 77    | Resp  | 143901 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 34.3  | 28.7  | 43.1   |
| 65        | 15.9  | 12.5  | 18.7   |





#25

Isophorone

Concen: 28.21 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

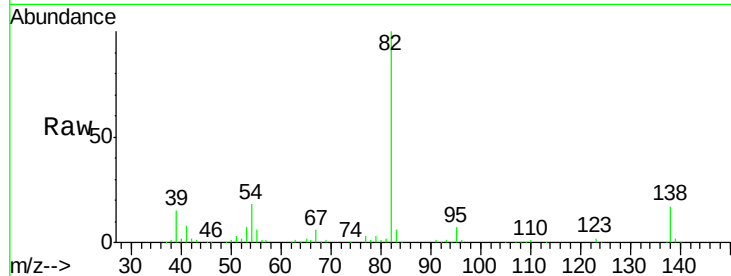
Tot Ion: 82 Resp: 338494

Ion Ratio Lower Upper

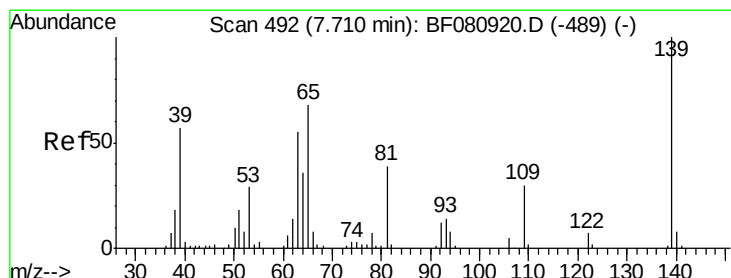
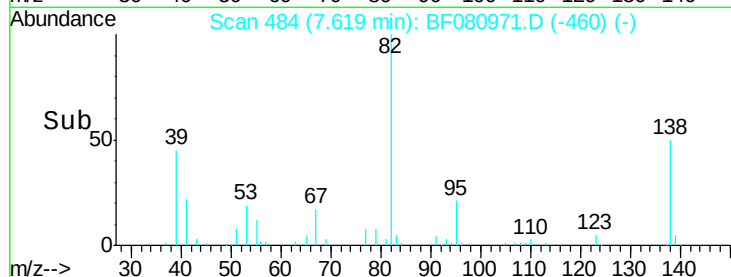
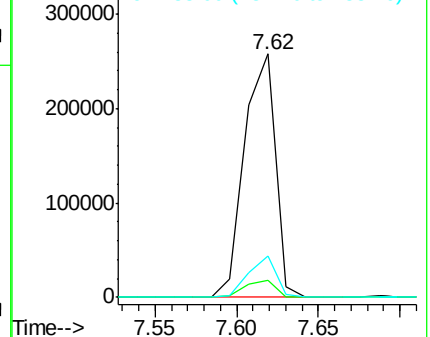
82 100

95 7.2 5.8 8.6

138 17.1 14.1 21.1



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 28.38 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

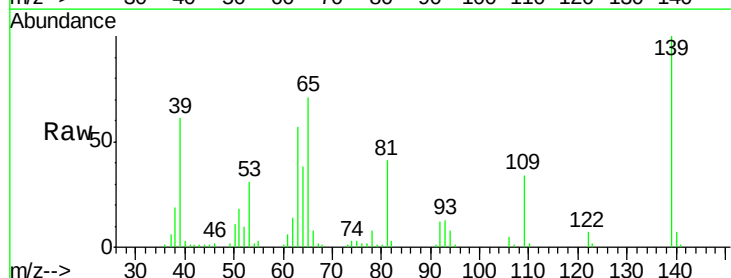
Tgt Ion: 139 Resp: 76725

Ion Ratio Lower Upper

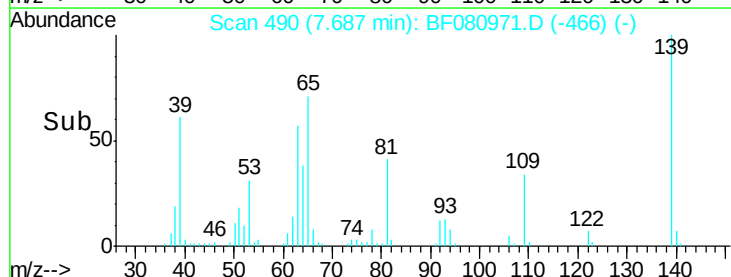
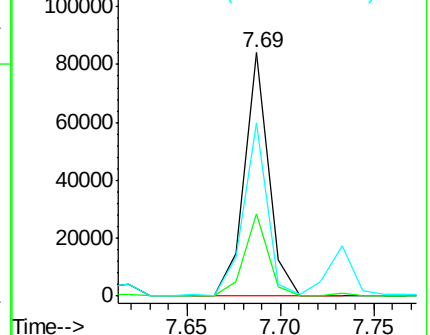
139 100

109 34.0 24.1 36.1

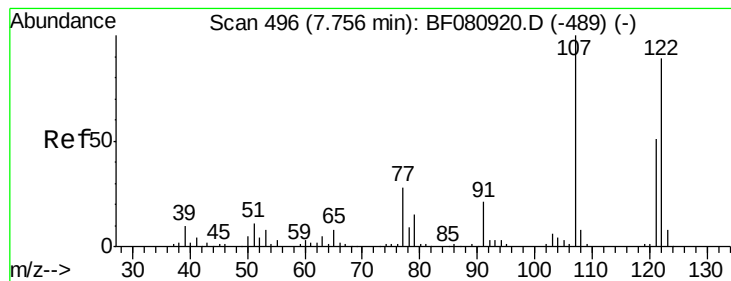
65 71.1 54.0 81.0



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0



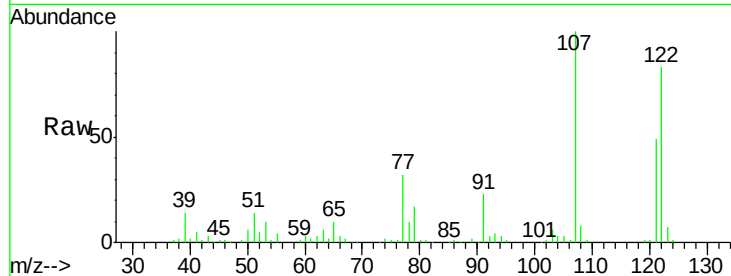




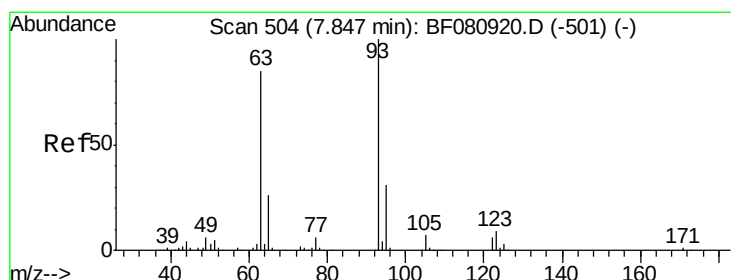
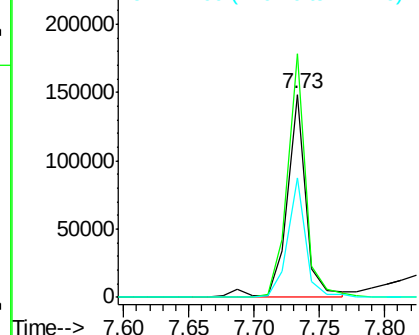
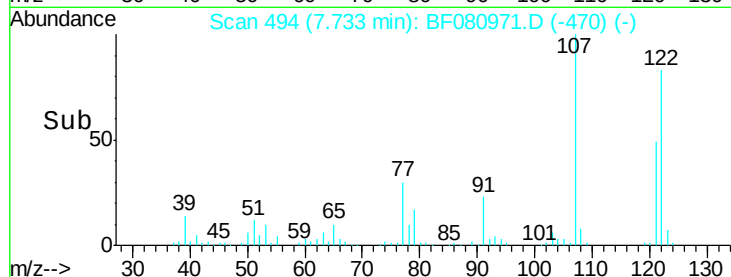
#27  
 2,4-Dimethylphenol  
 Concen: 29.95 ng  
 RT: 7.73 min Scan# 494  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

Tot Ion:122 Resp: 151584  
 Ion Ratio Lower Upper  
 122 100  
 107 119.9 90.2 135.4  
 121 58.7 46.0 69.0

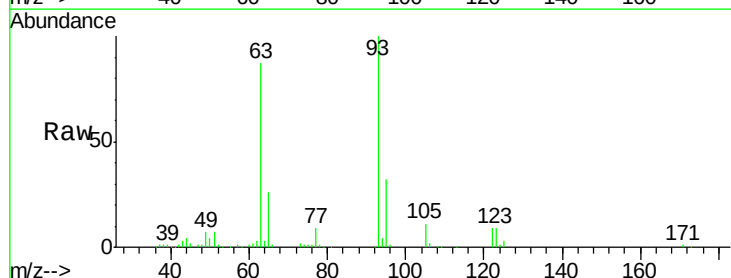


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

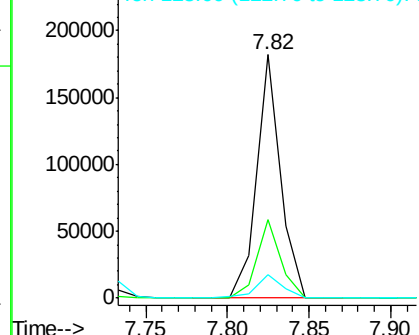
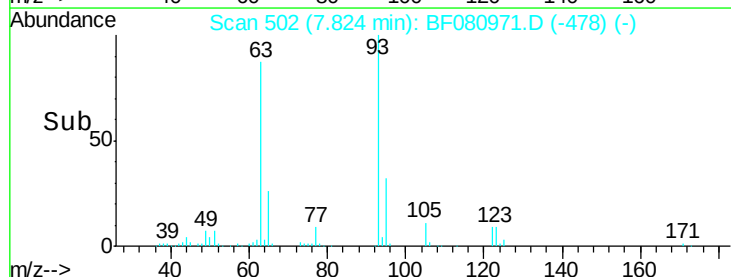


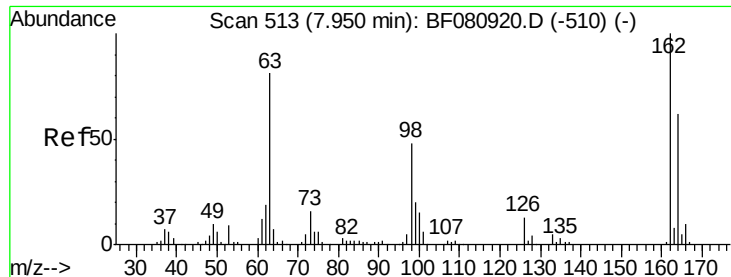
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 25.63 ng  
 RT: 7.82 min Scan# 502  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

Tgt Ion: 93 Resp: 184653  
 Ion Ratio Lower Upper  
 93 100  
 95 32.2 25.0 37.4  
 123 9.4 7.4 11.0



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

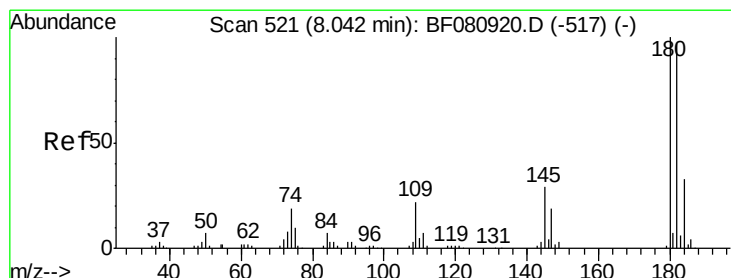
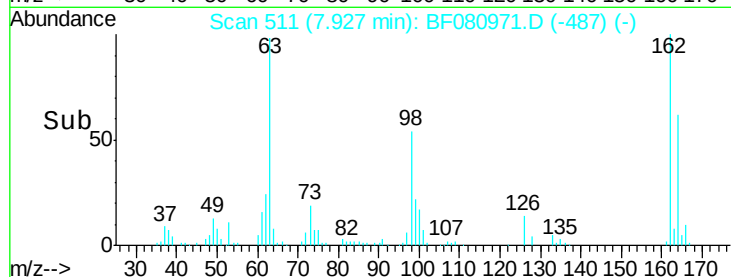
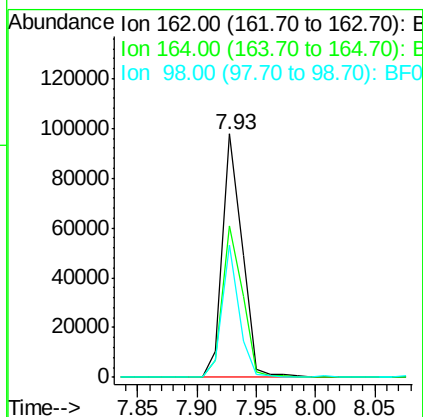
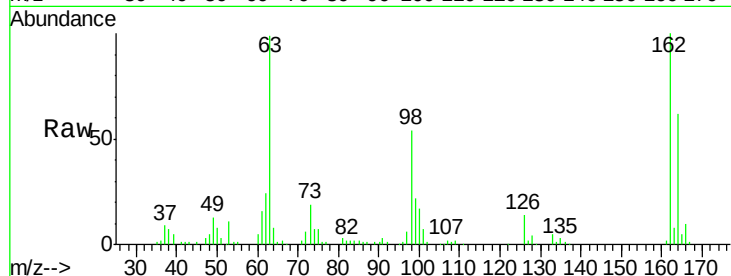




#29  
2,4-Dichlorophenol  
Concen: 26.98 ng  
RT: 7.93 min Scan# 511  
Delta R.T. -0.02 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

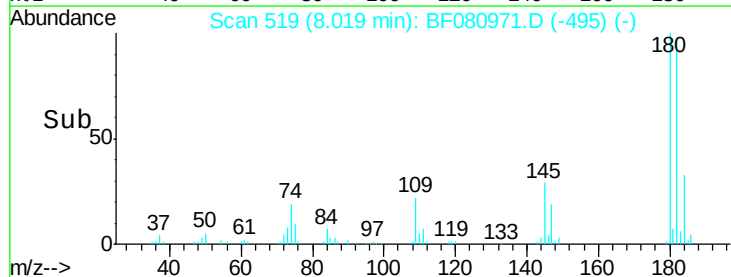
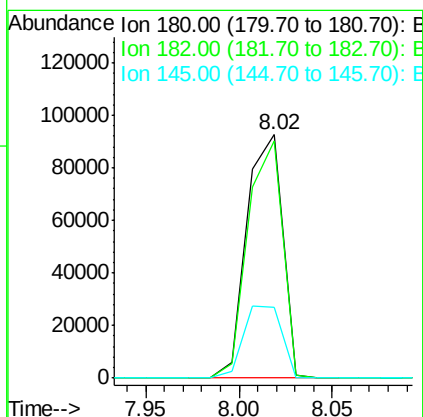
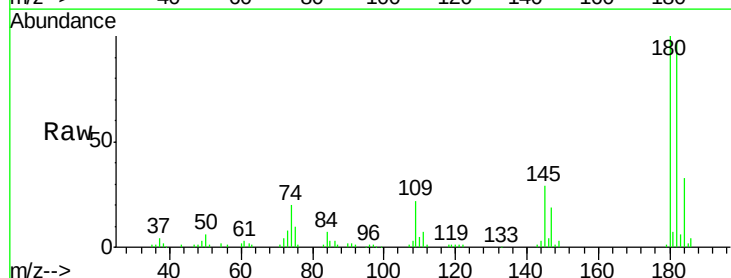
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-2MS

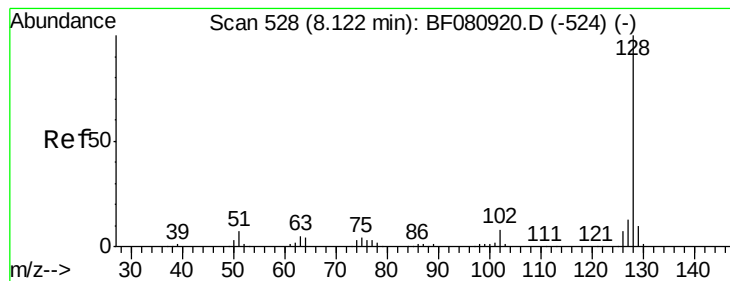
Tot Ion:162 Resp: 112184  
Ion Ratio Lower Upper  
162 100  
164 62.5 42.3 82.3  
98 54.1 27.7 67.7



#30  
1,2,4-Trichlorobenzene  
Concen: 27.04 ng  
RT: 8.02 min Scan# 519  
Delta R.T. -0.02 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

Tgt Ion:180 Resp: 122921  
Ion Ratio Lower Upper  
180 100  
182 97.4 77.4 116.0  
145 29.0 23.2 34.8





#31

Naphthalene

Concen: 24.70 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.03 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

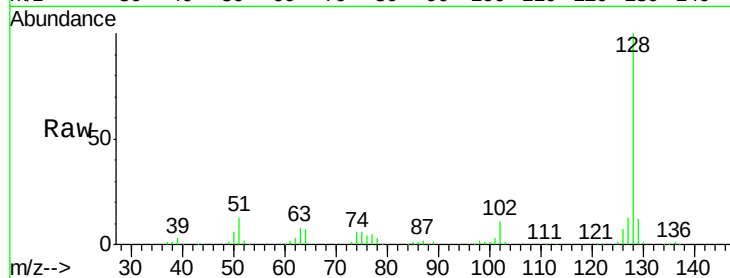
Tot Ion:128 Resp: 401762

Ion Ratio Lower Upper

128 100

129 11.6 8.4 12.6

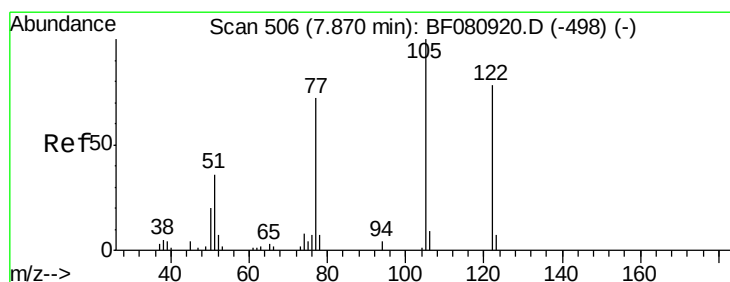
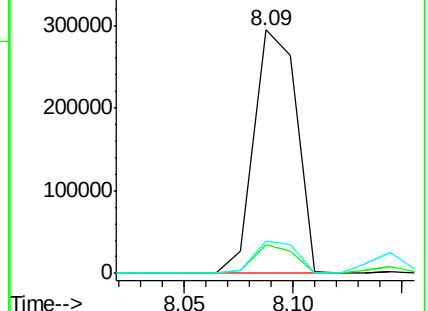
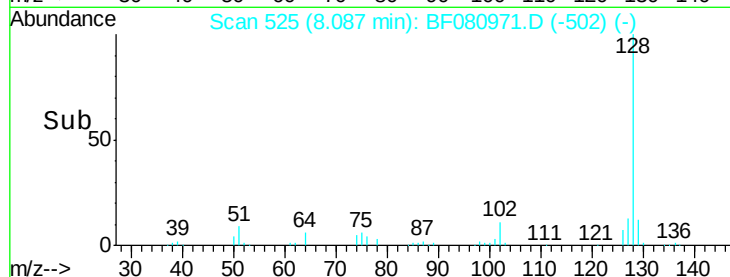
127 13.2 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 13.26 ng

RT: 7.82 min Scan# 502

Delta R.T. -0.05 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

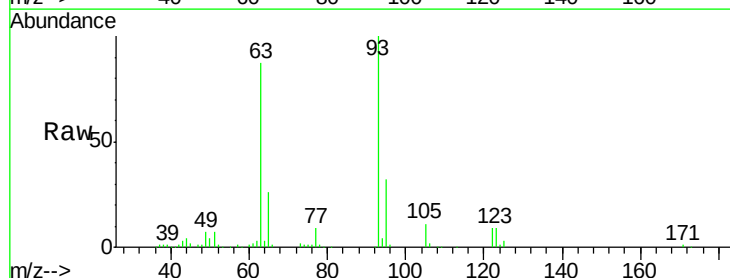
Tgt Ion:122 Resp: 40167

Ion Ratio Lower Upper

122 100

105 128.8 103.6 143.6

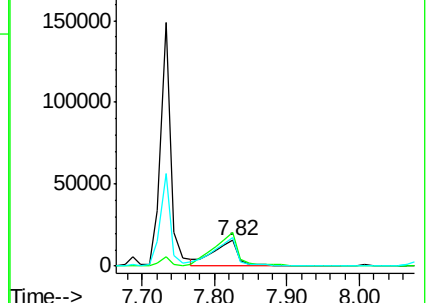
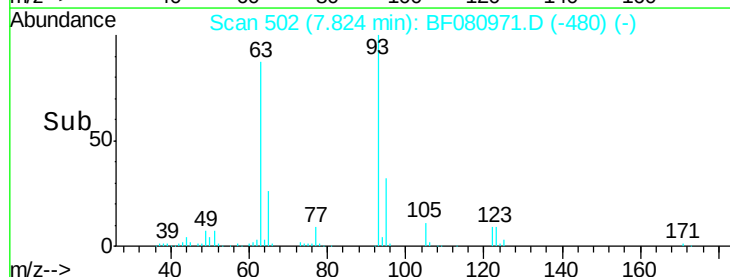
77 108.5 70.4 110.4

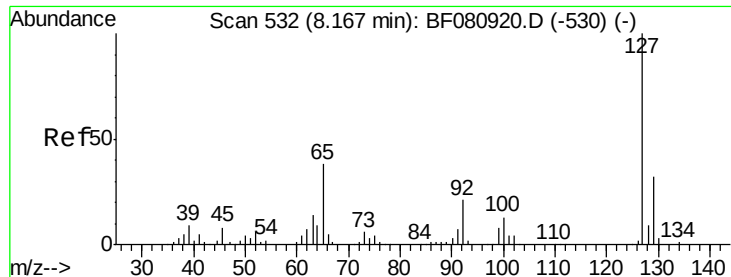


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

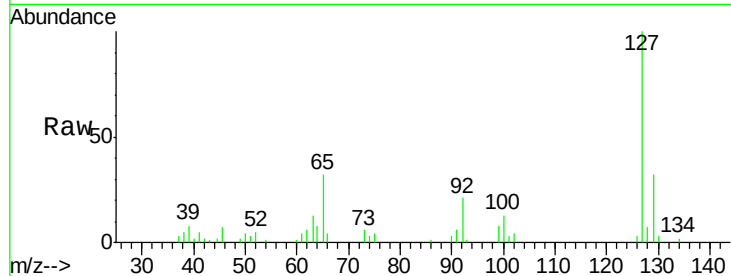




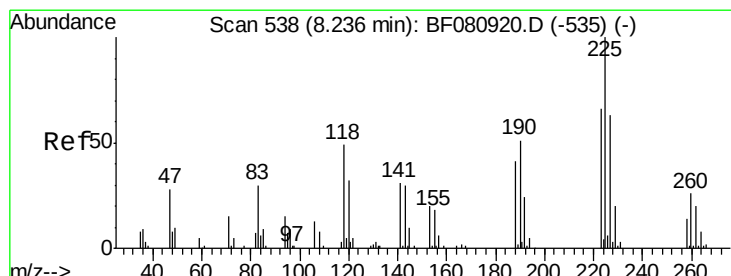
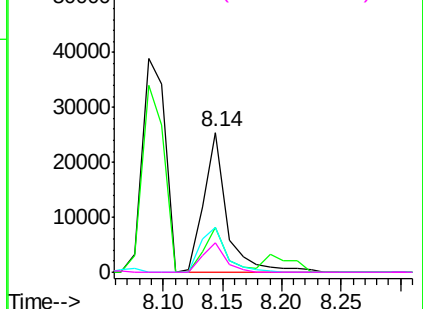
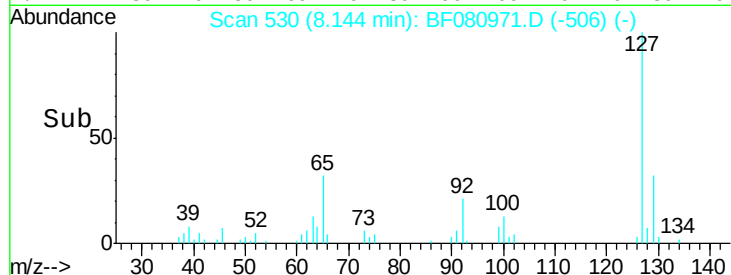
#33  
4-Chloroaniline  
Concen: 5.23 ng  
RT: 8.14 min Scan# 530  
Delta R.T. -0.02 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-2MS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:127 | Resp: | 34591     |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 32.2  | 25.9 38.9 |
| 65          | 32.3  | 30.6 45.8 |
| 92          | 20.6  | 16.9 25.3 |

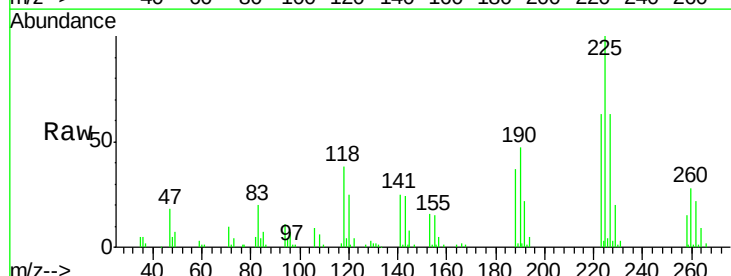


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

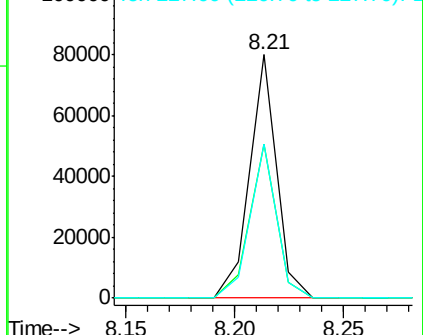
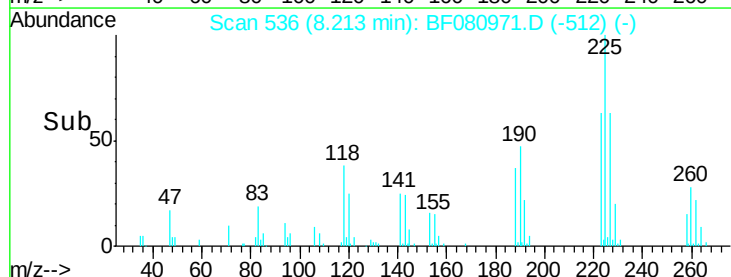


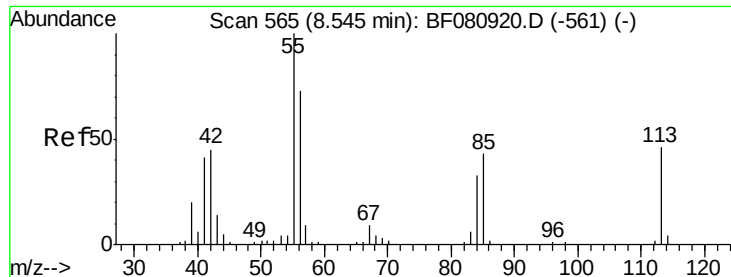
#34  
Hexachlorobutadiene  
Concen: 25.47 ng  
RT: 8.21 min Scan# 536  
Delta R.T. -0.02 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 68893     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 63.2  | 52.5 78.7 |
| 227         | 63.0  | 50.3 75.5 |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 11.79 ng

RT: 8.51 min Scan# 562

Delta R.T. -0.03 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

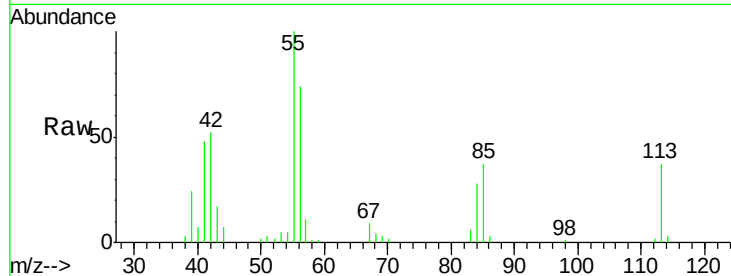
Tot Ion:113 Resp: 17631

Ion Ratio Lower Upper

113 100

55 268.5 196.4 236.4#

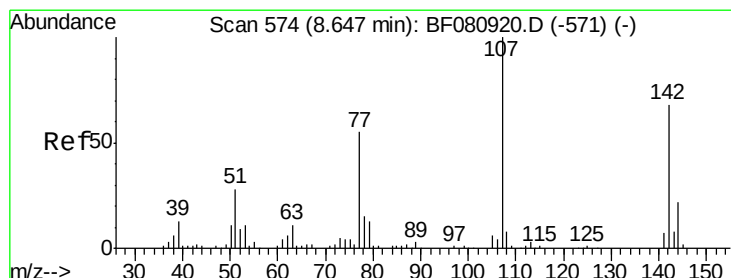
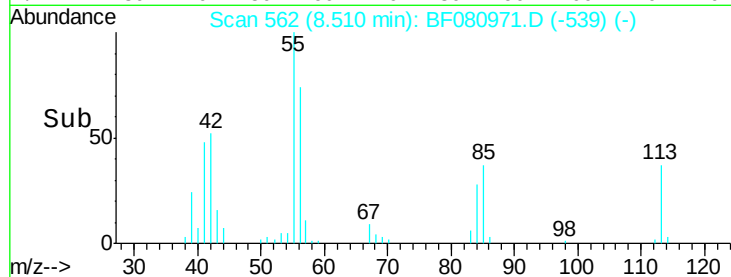
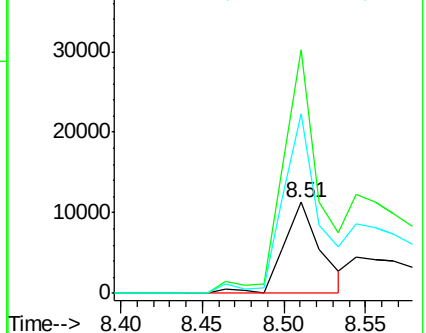
56 197.8 137.9 177.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 24.78 ng

RT: 8.64 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

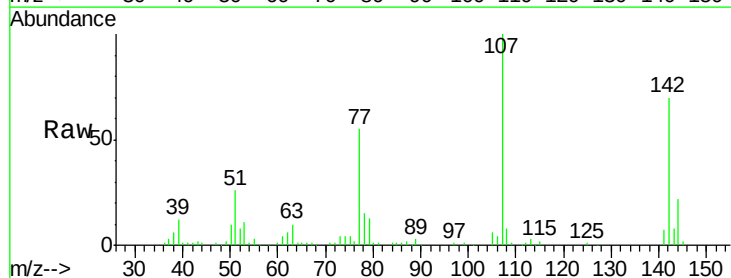
Tgt Ion:107 Resp: 125750

Ion Ratio Lower Upper

107 100

144 22.1 17.3 25.9

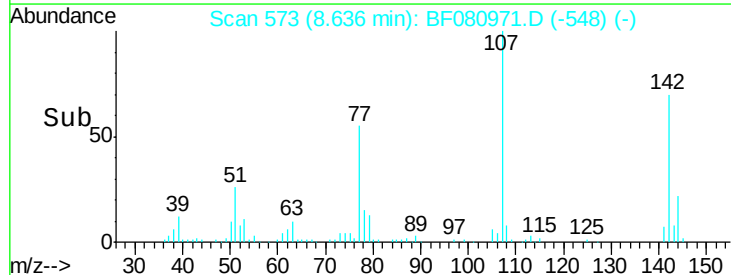
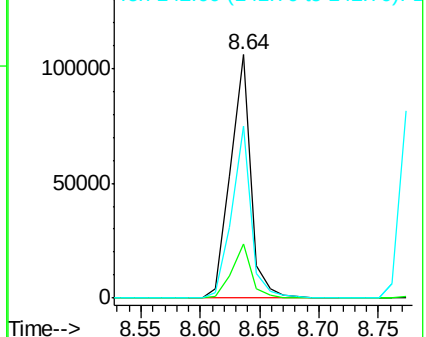
142 70.4 54.4 81.6

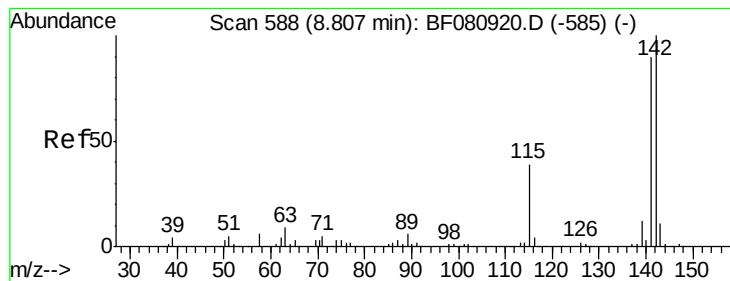


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 23.88 ng

RT: 8.78 min Scan# 586

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

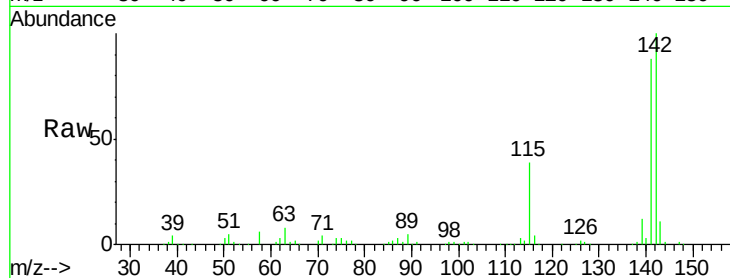
Tot Ion:142 Resp: 247328

Ion Ratio Lower Upper

142 100

141 88.1 71.7 107.5

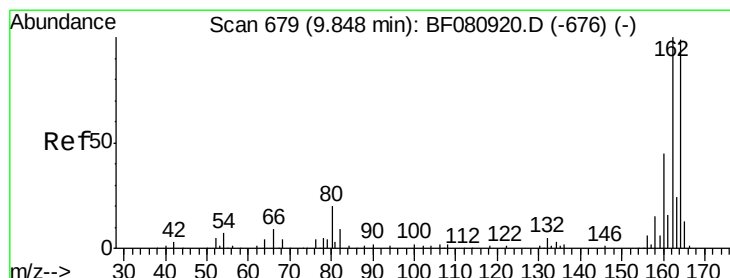
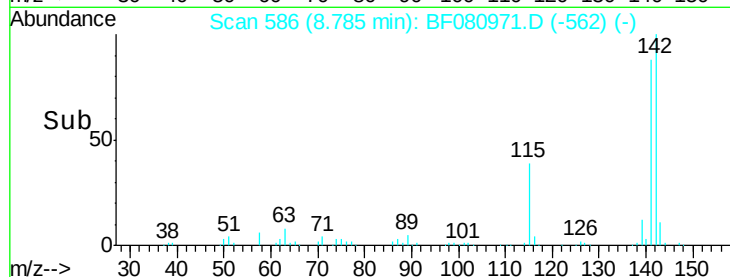
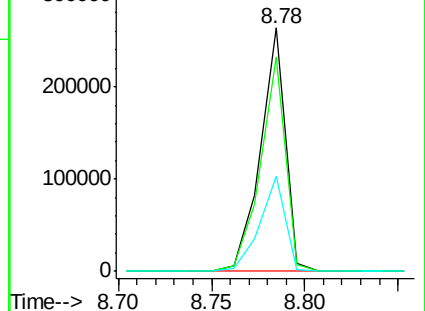
115 39.3 30.9 46.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

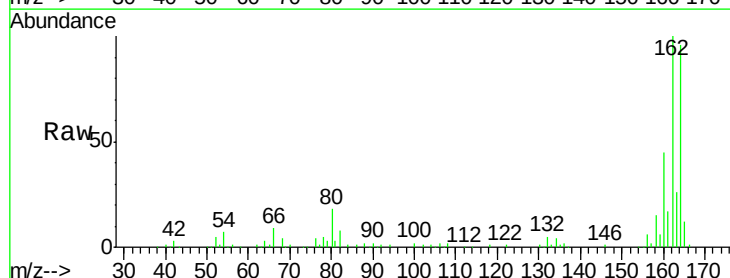
Tgt Ion:164 Resp: 136999

Ion Ratio Lower Upper

164 100

162 104.6 80.5 120.7

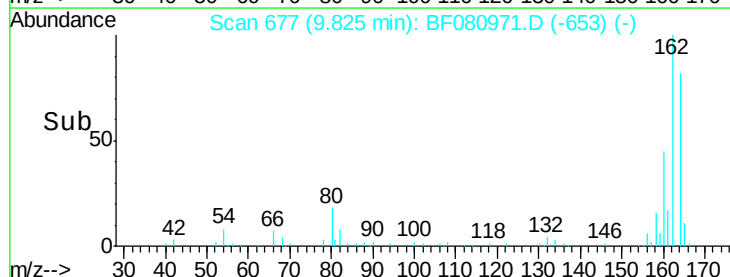
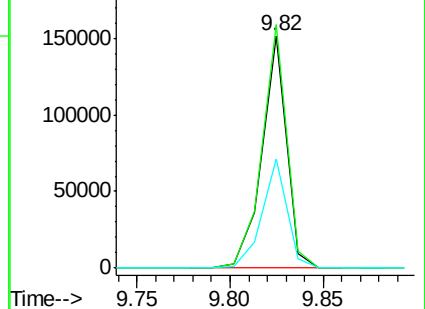
160 46.7 36.6 54.8

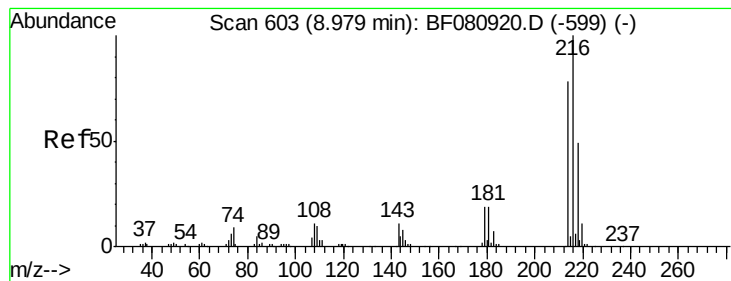


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.52 ng

RT: 8.96 min Scan# 601

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

Tot Ion:216 Resp: 145793

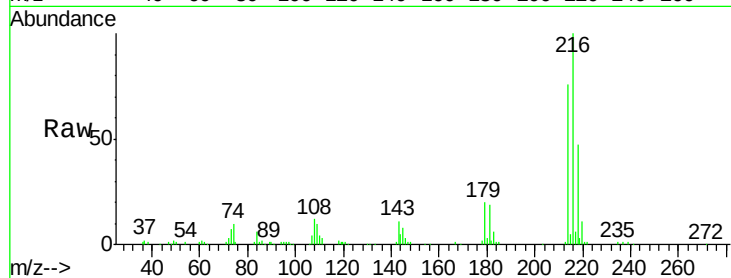
Ion Ratio Lower Upper

216 100

214 77.0 63.0 94.4

179 21.5 17.2 25.8

108 21.7 16.1 24.1

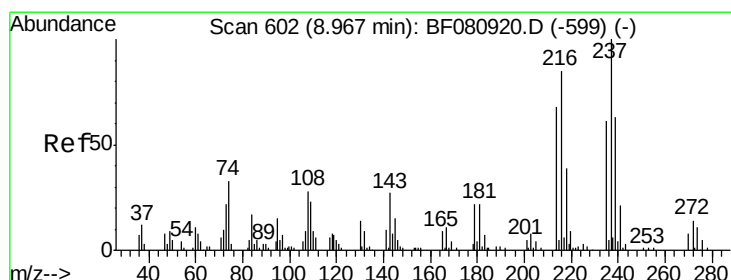
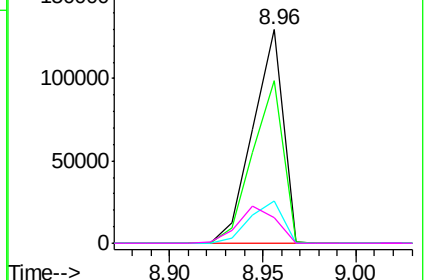
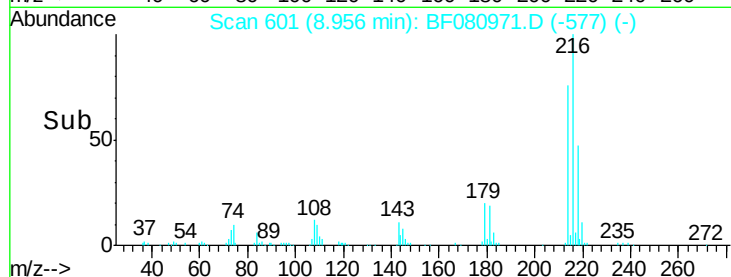


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 65.61 ng

RT: 8.94 min Scan# 600

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

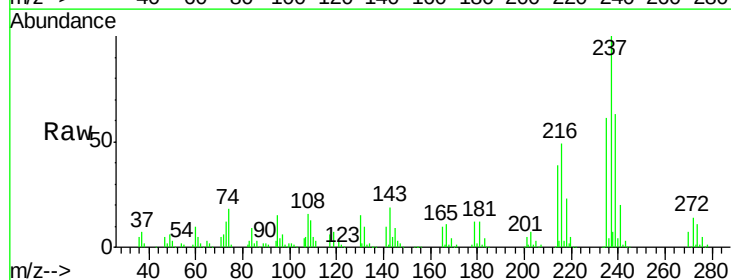
Tgt Ion:237 Resp: 151208

Ion Ratio Lower Upper

237 100

235 61.4 41.3 81.3

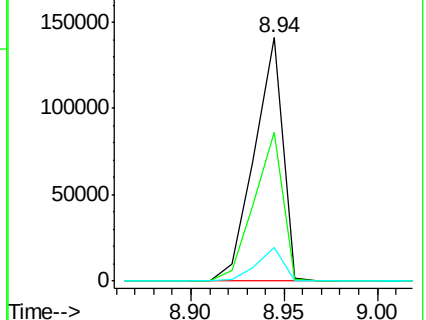
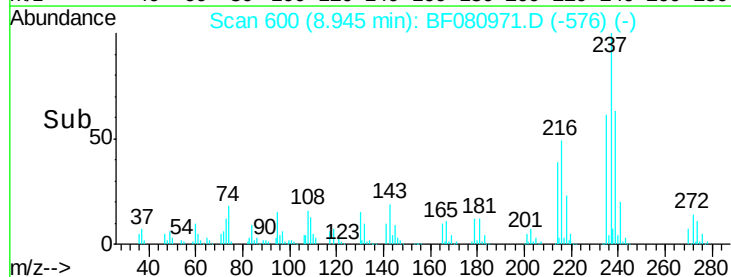
272 13.7 0.0 33.6

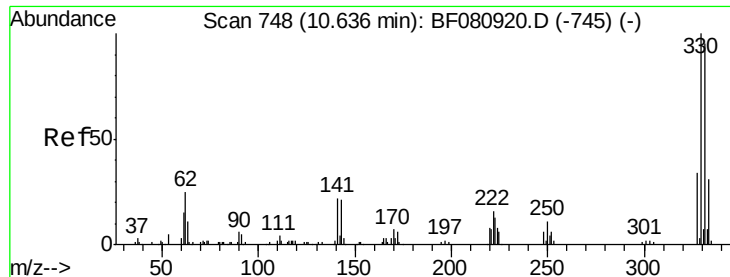


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

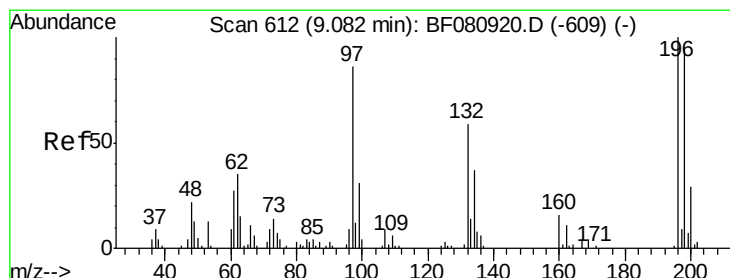
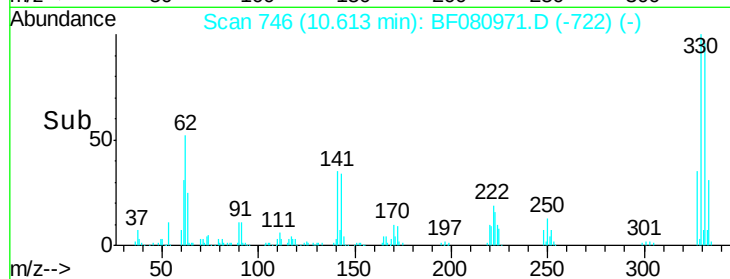
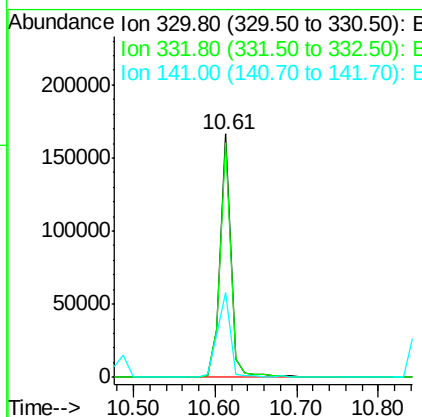
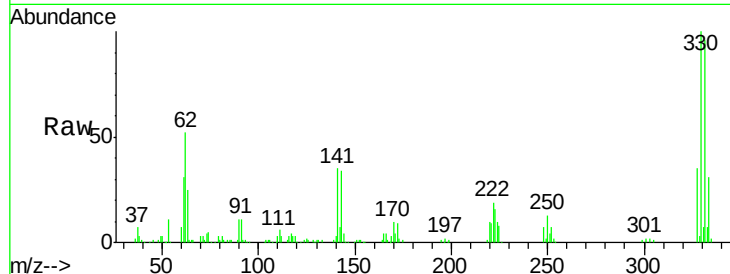




#41  
 2,4,6-Tribromophenol  
 Concen: 102.75 ng  
 RT: 10.61 min Scan# 746  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

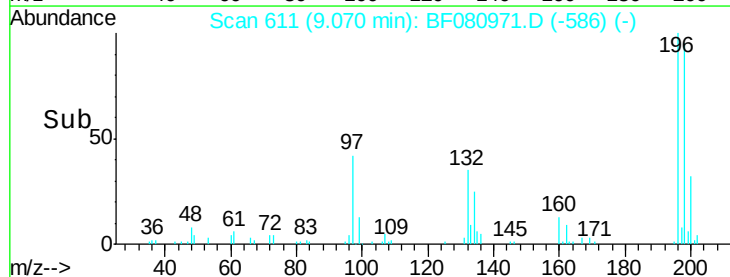
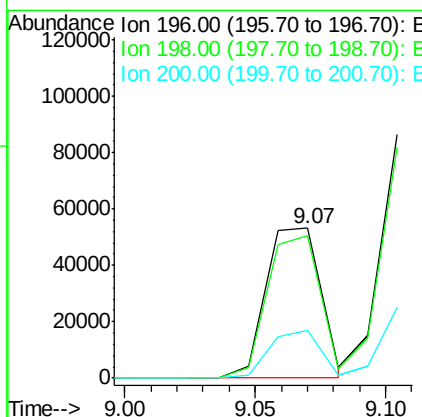
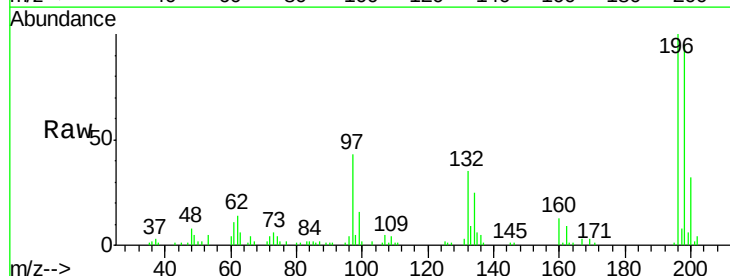
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 76.2  | 114.4 |
| 141     | 42.1  | 27.8  | 41.8# |

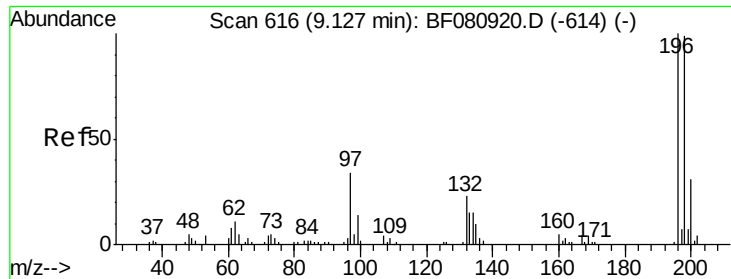


#42  
 2,4,6-Trichlorophenol  
 Concen: 25.19 ng  
 RT: 9.07 min Scan# 611  
 Delta R.T. -0.01 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.9  | 75.9  | 113.9 |
| 200     | 31.5  | 23.1  | 34.7  |



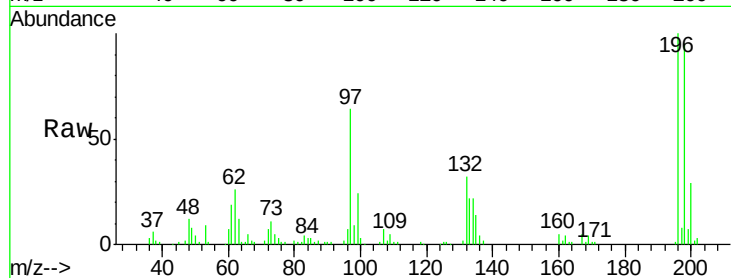




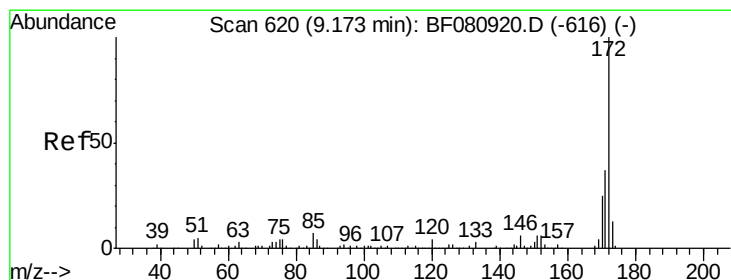
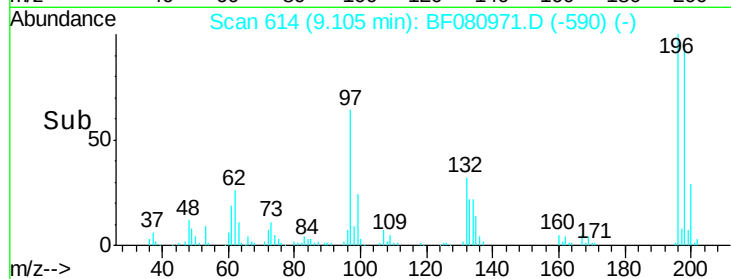
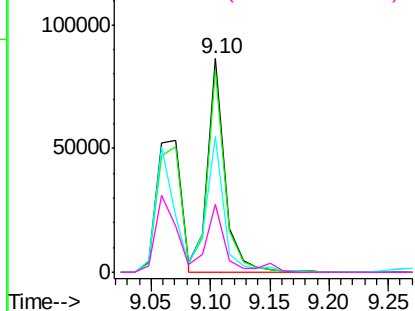
#43  
 2,4,5-Trichlorophenol  
 Concen: 28.29 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.6  | 78.9  | 118.3 |
| 97      | 63.6  | 29.1  | 43.7# |
| 132     | 32.1  | 19.1  | 28.7# |

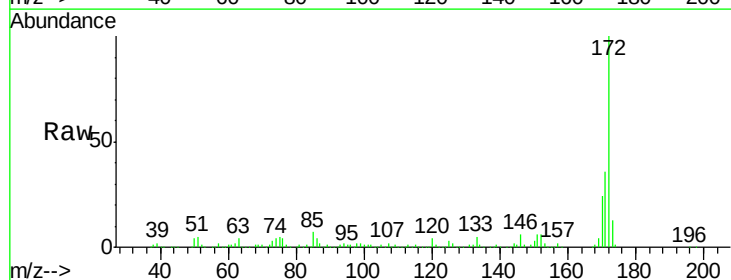


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

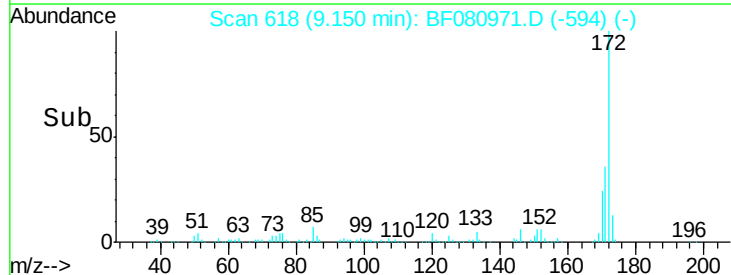
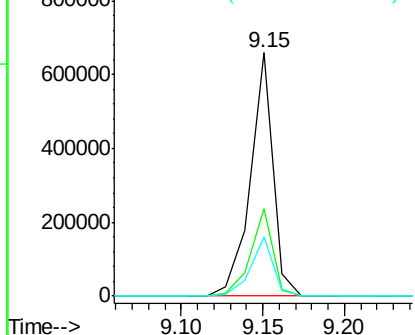


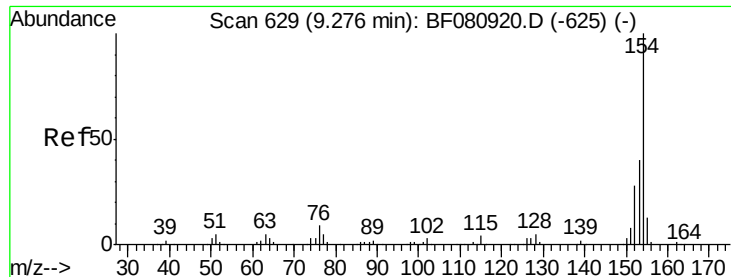
#44  
 2-Fluorobiphenyl  
 Concen: 64.99 ng  
 RT: 9.15 min Scan# 618  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.4  | 44.0  |
| 170     | 24.2  | 19.7  | 29.5  |



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





#45

1,1'-Biphenyl

Concen: 36.54 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampled :

SOIL-2MS

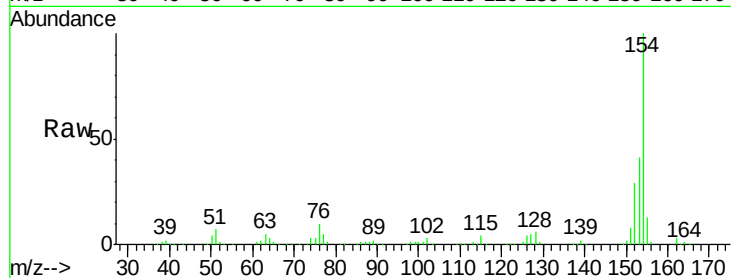
Tot Ion:154 Resp: 429611

Ion Ratio Lower Upper

154 100

153 40.7 20.1 60.1

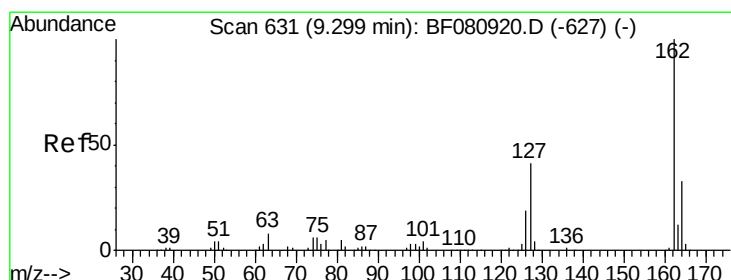
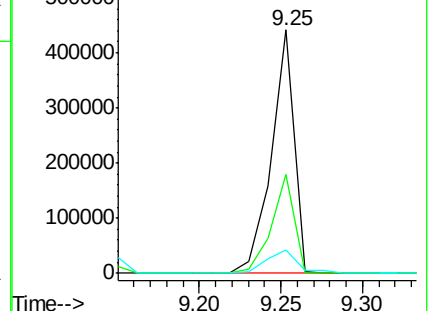
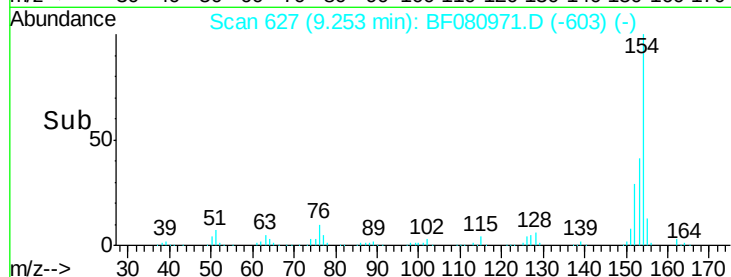
76 9.6 0.0 29.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 24.81 ng

RT: 9.28 min Scan# 629

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

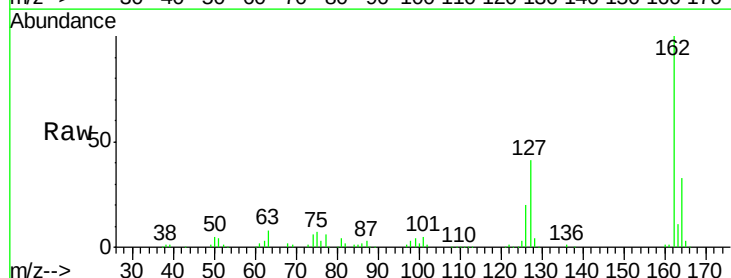
Tgt Ion:162 Resp: 227414

Ion Ratio Lower Upper

162 100

127 41.2 32.5 48.7

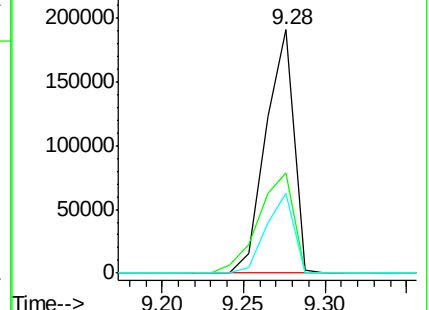
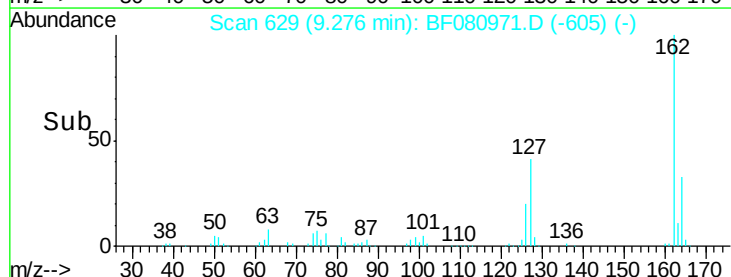
164 32.6 26.2 39.4

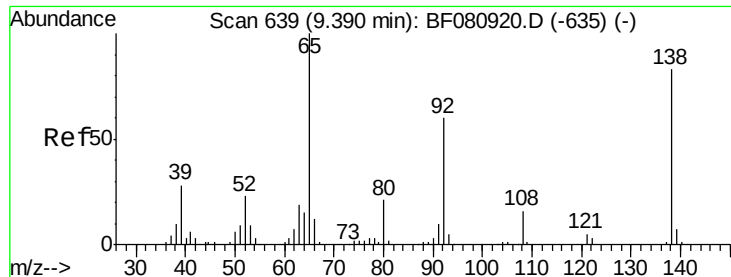


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 24.96 ng

RT: 9.37 min Scan# 637

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

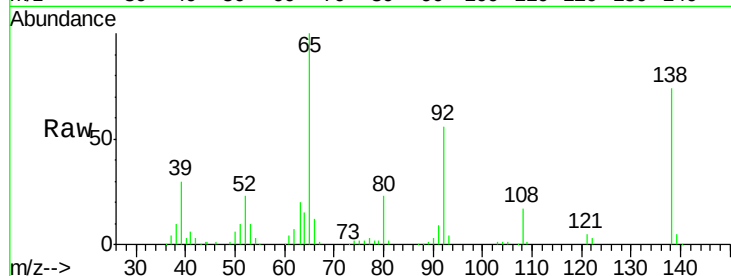
Tot Ion: 65 Resp: 91730

Ion Ratio Lower Upper

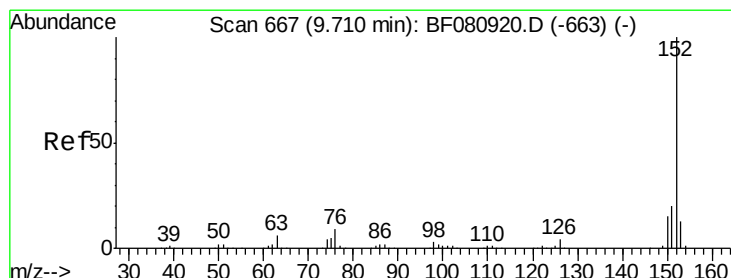
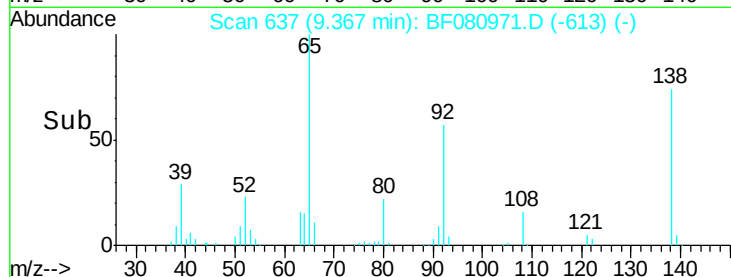
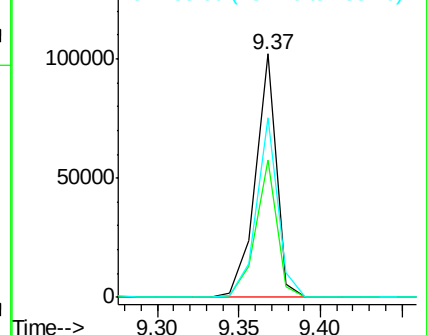
65 100

92 56.3 48.0 72.0

138 73.7 66.1 99.1



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



#48

Acenaphthylene

Concen: 26.69 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

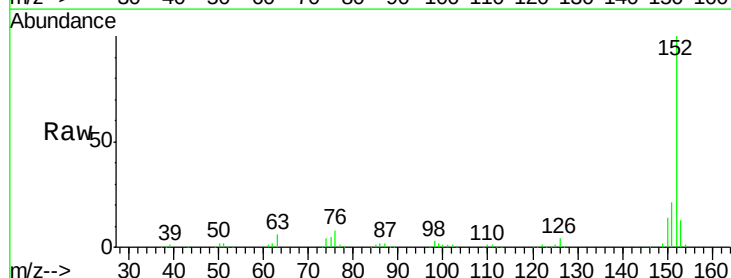
Tgt Ion: 152 Resp: 425374

Ion Ratio Lower Upper

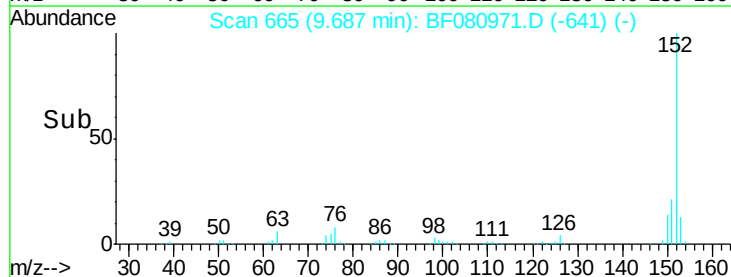
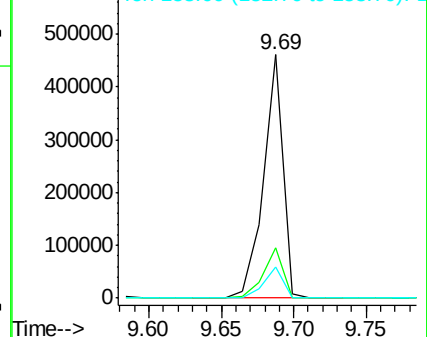
152 100

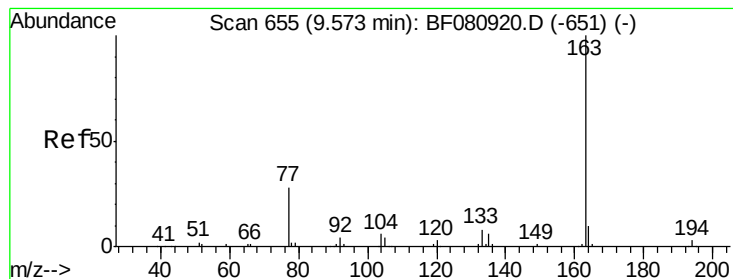
151 20.6 16.3 24.5

153 12.7 10.5 15.7



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





#49

Dimethylphthalate

Concen: 25.21 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

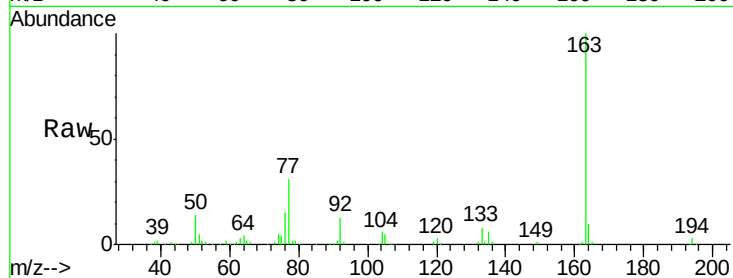
Tot Ion:163 Resp: 286952

Ion Ratio Lower Upper

163 100

194 3.0 2.4 3.6

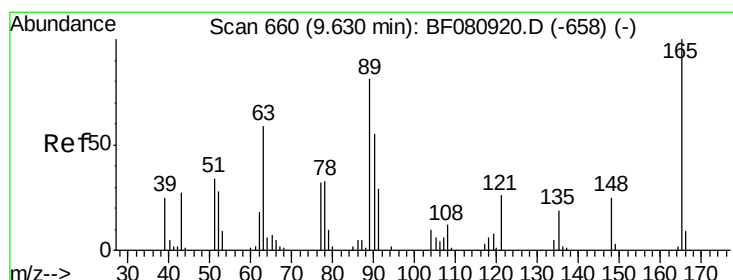
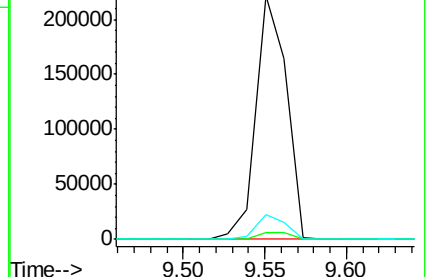
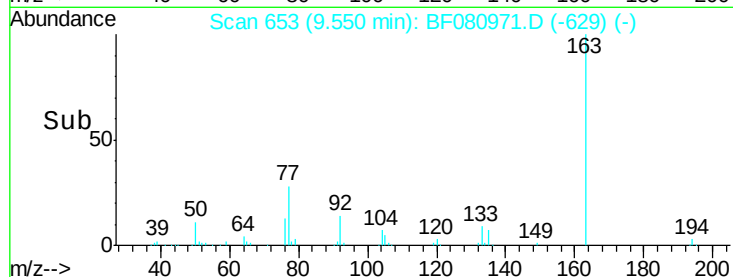
164 10.3 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 25.44 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

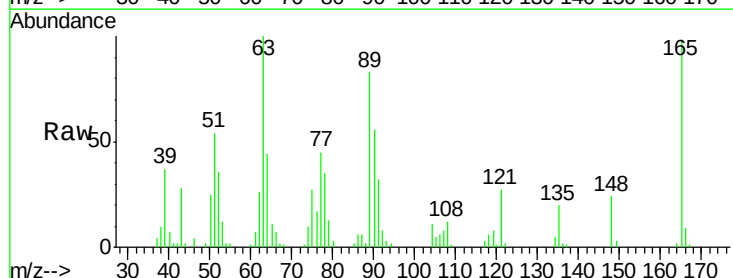
Tgt Ion:165 Resp: 59813

Ion Ratio Lower Upper

165 100

63 101.8 77.6 116.4

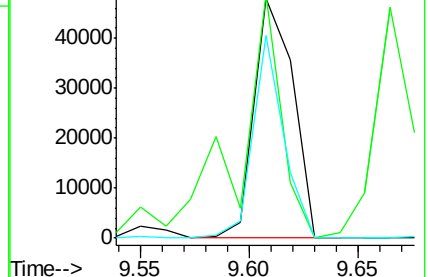
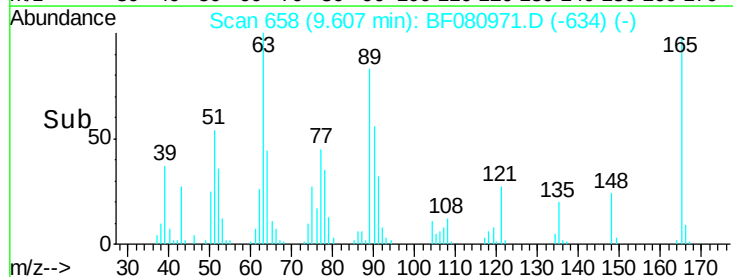
89 84.9 64.5 96.7

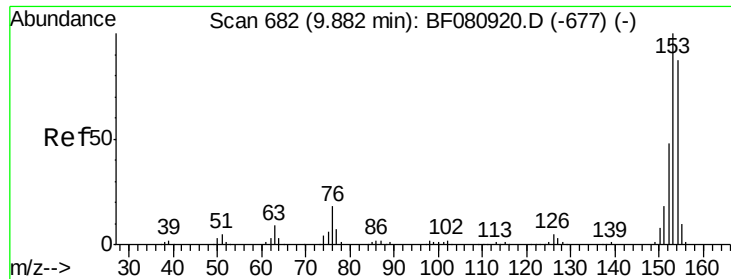


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 29.08 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

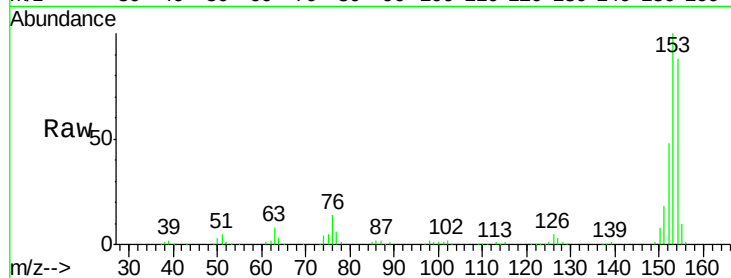
Tot Ion:154 Resp: 283865

Ion Ratio Lower Upper

154 100

153 114.1 91.4 137.2

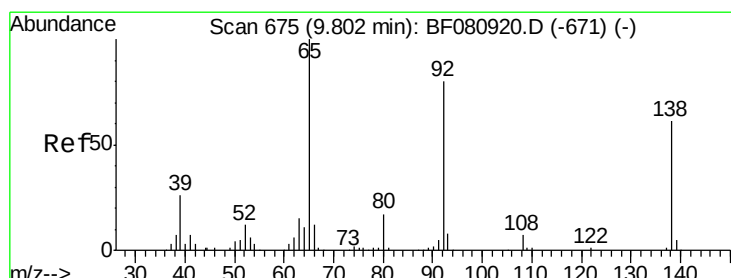
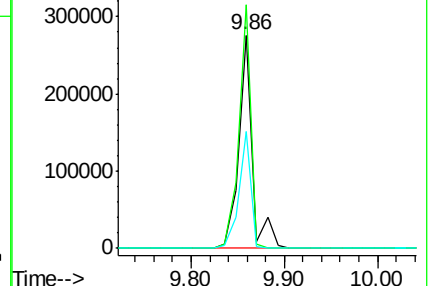
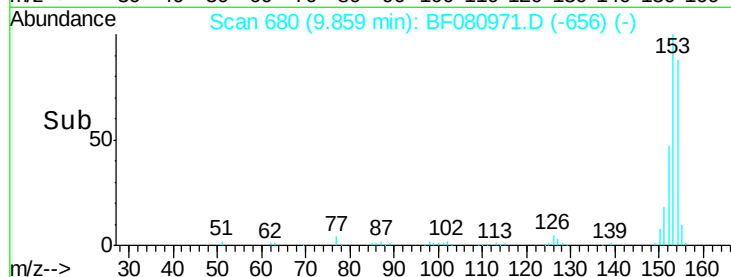
152 54.5 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 7.97 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

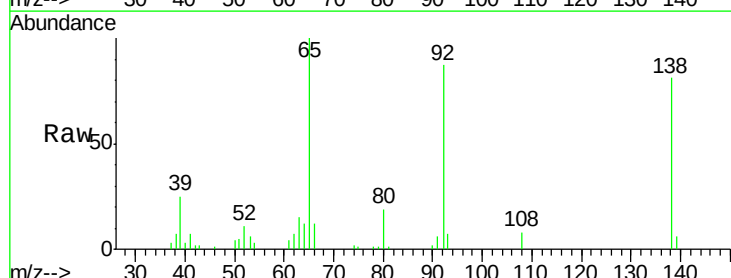
Tgt Ion:138 Resp: 23109

Ion Ratio Lower Upper

138 100

108 9.8 8.7 13.1

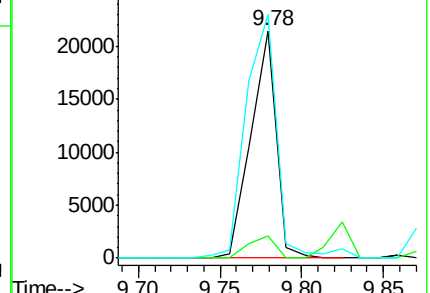
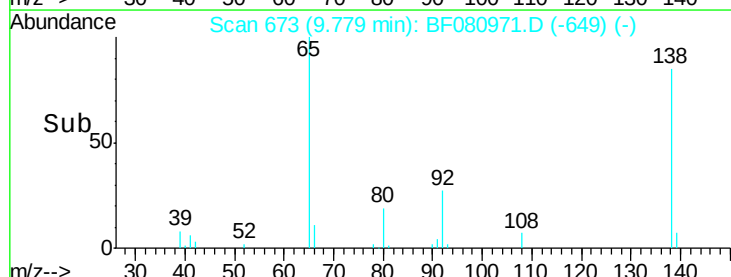
92 107.0 104.4 156.6

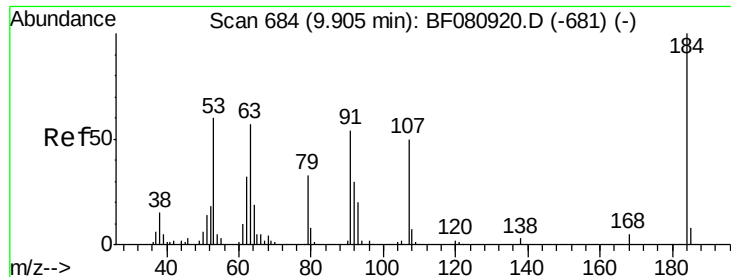


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

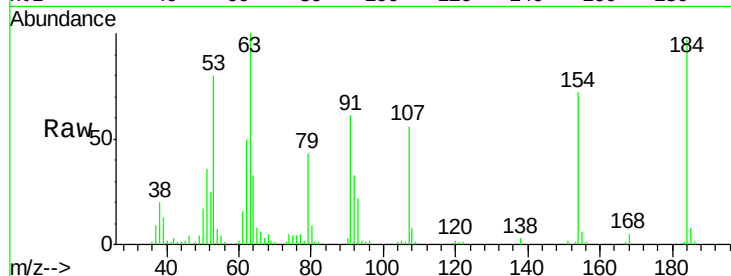




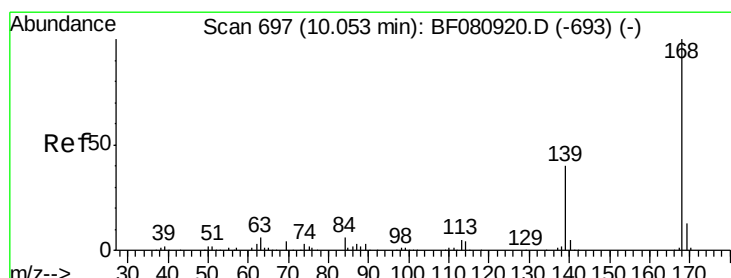
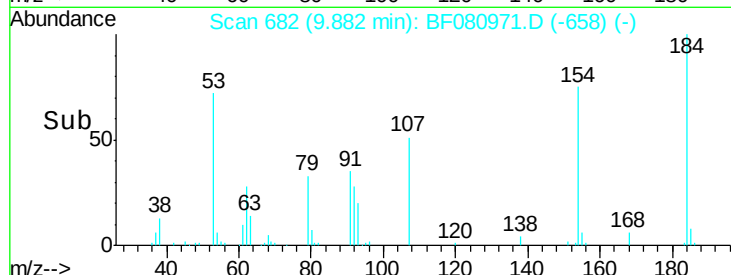
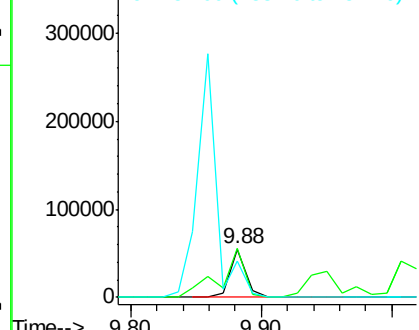
#53  
2,4-Dinitrophenol  
Concen: 37.07 ng  
RT: 9.88 min Scan# 682  
Delta R.T. -0.02 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-2MS

Tot Ion:184 Resp: 47846  
Ion Ratio Lower Upper  
184 100  
63 103.5 59.7 89.5#  
154 74.8 53.8 80.8

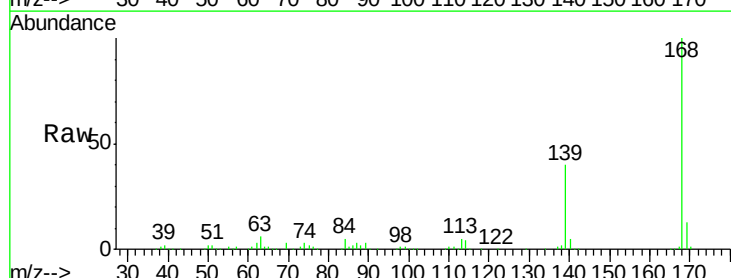


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

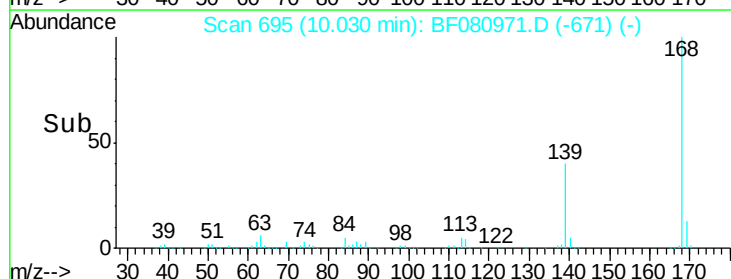
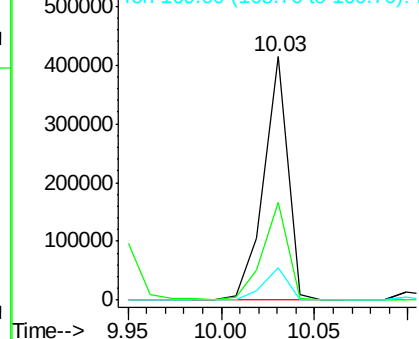


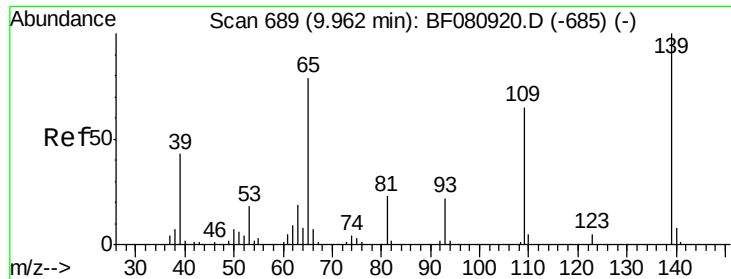
#54  
Dibenzofuran  
Concen: 27.89 ng  
RT: 10.03 min Scan# 695  
Delta R.T. -0.02 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

Tgt Ion:168 Resp: 368057  
Ion Ratio Lower Upper  
168 100  
139 40.4 31.9 47.9  
169 13.3 10.6 15.8



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

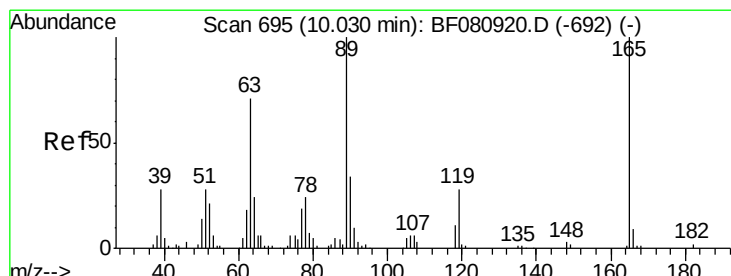
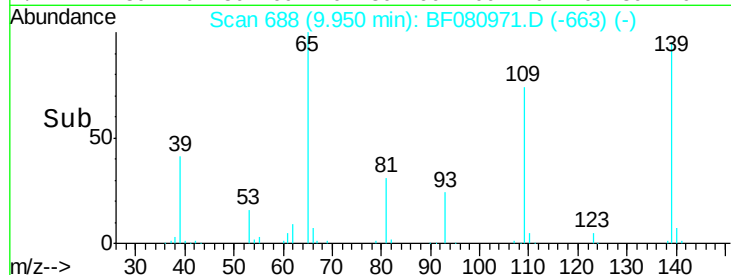
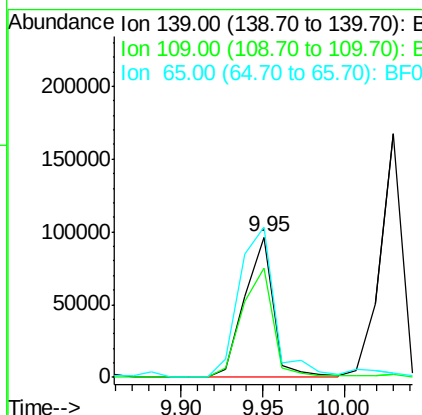
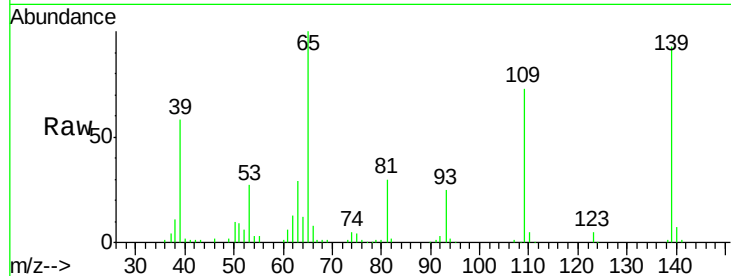




#55  
4-Nitrophenol  
Concen: 54.87 ng  
RT: 9.95 min Scan# 688  
Delta R.T. -0.01 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

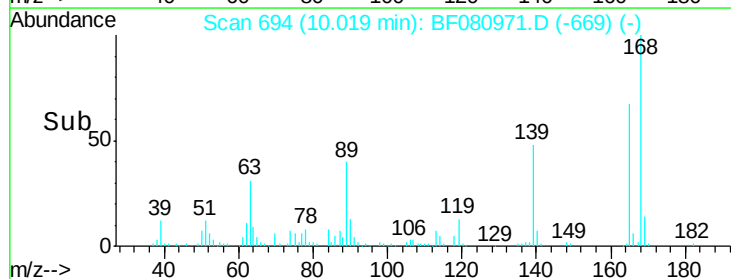
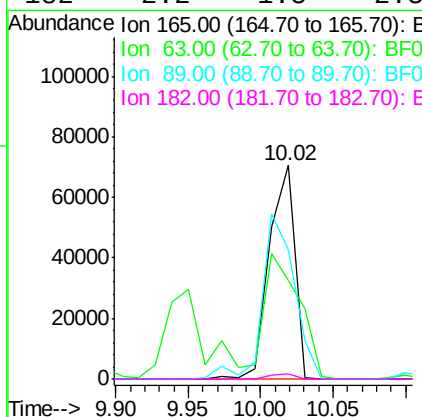
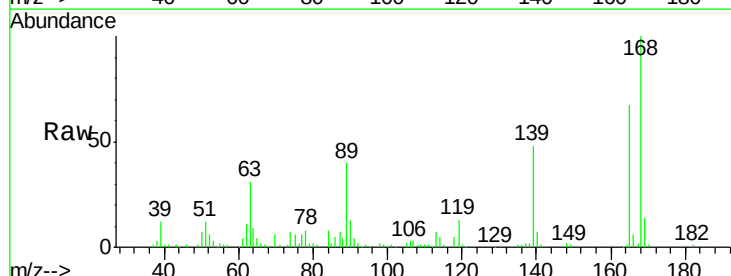
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-2MS

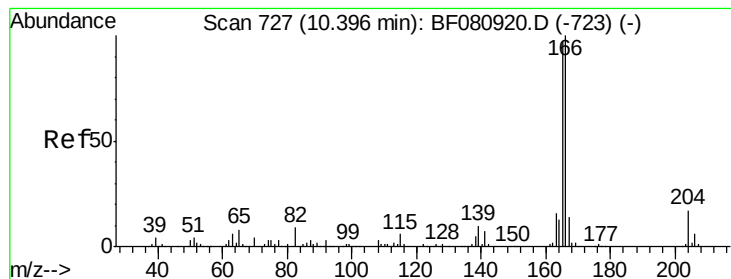
Tot Ion:139 Resp: 119056  
Ion Ratio Lower Upper  
139 100  
109 77.7 44.7 84.7  
65 107.0 59.5 99.5#



#56  
2,4-Dinitrotoluene  
Concen: 27.59 ng  
RT: 10.02 min Scan# 694  
Delta R.T. -0.01 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

Tgt Ion:165 Resp: 86781  
Ion Ratio Lower Upper  
165 100  
63 46.4 56.7 85.1#  
89 60.6 80.4 120.6#  
182 2.2 1.5 2.3





#57

Fluorene

Concen: 31.56 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

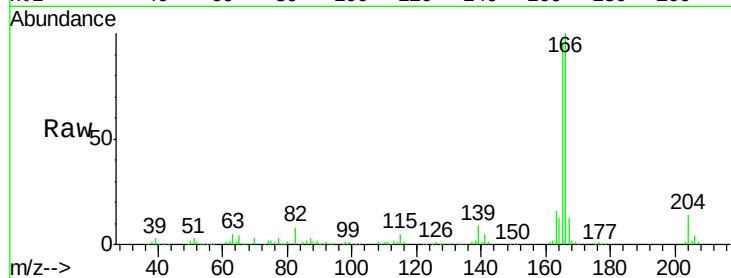
Tot Ion:166 Resp: 322236

Ion Ratio Lower Upper

166 100

165 95.2 77.2 115.8

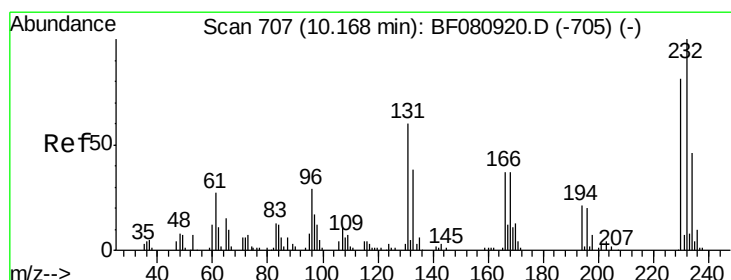
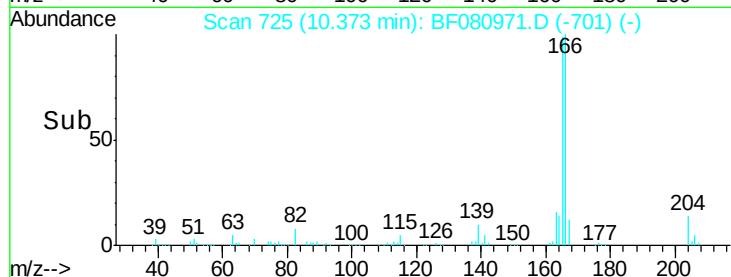
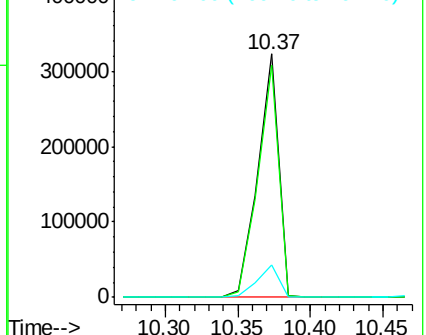
167 13.4 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 23.15 ng

RT: 10.11 min Scan# 702

Delta R.T. -0.06 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Tgt Ion:232 Resp: 57159

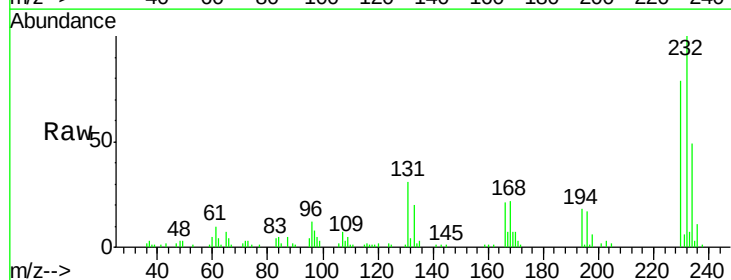
Ion Ratio Lower Upper

232 100

131 51.1 39.4 59.2

130 2.6 2.1 3.1

166 28.8 21.7 32.5

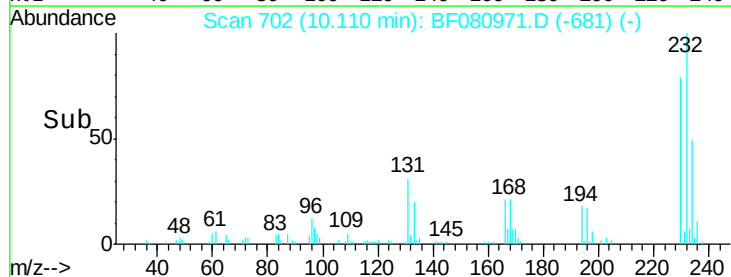
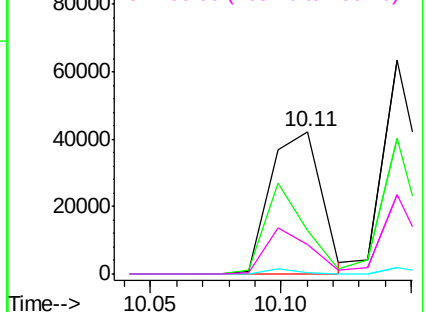


Abundance Ion 232.00 (231.70 to 232.70): E

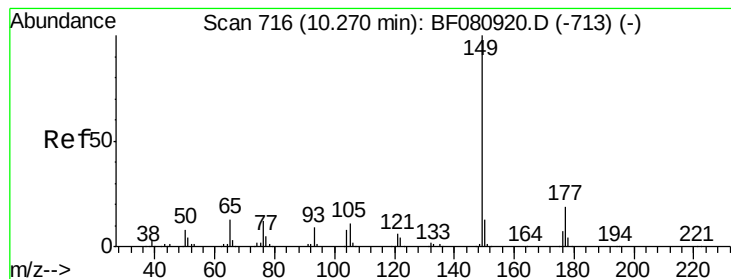
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E







#59

Diethylphthalate

Concen: 25.49 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

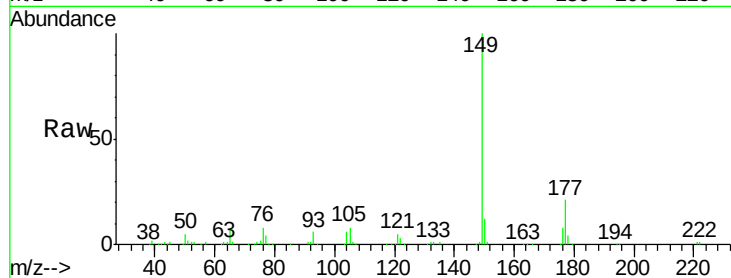
Tot Ion:149 Resp: 301895

Ion Ratio Lower Upper

149 100

177 21.1 15.0 22.4

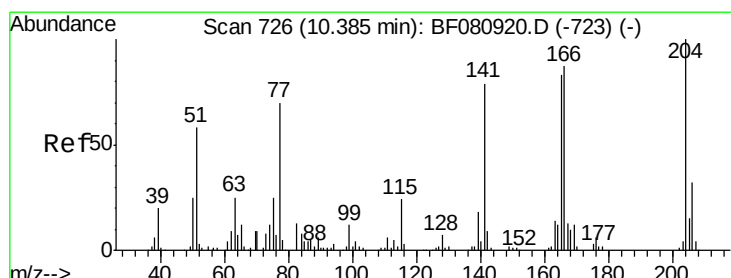
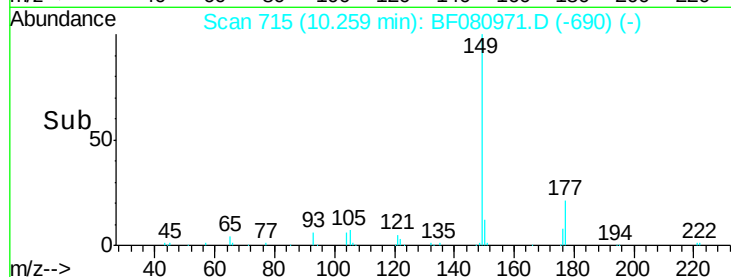
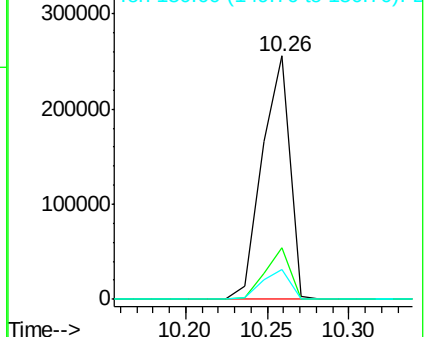
150 12.0 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 25.67 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

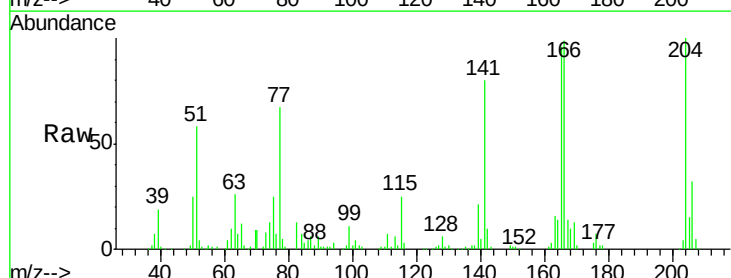
Tgt Ion:204 Resp: 127721

Ion Ratio Lower Upper

204 100

206 31.8 25.5 38.3

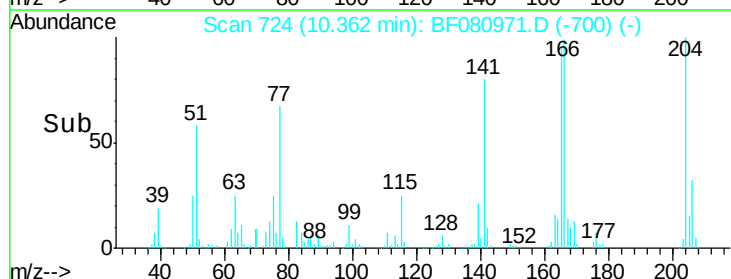
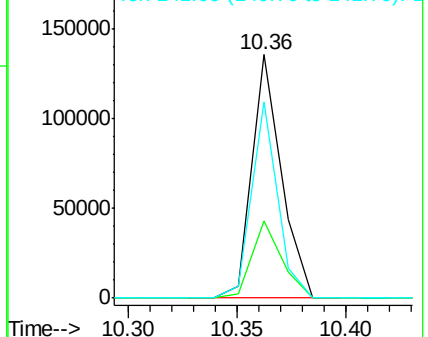
141 80.5 63.4 95.0

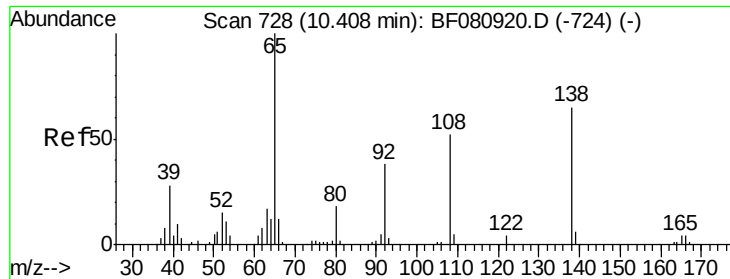


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

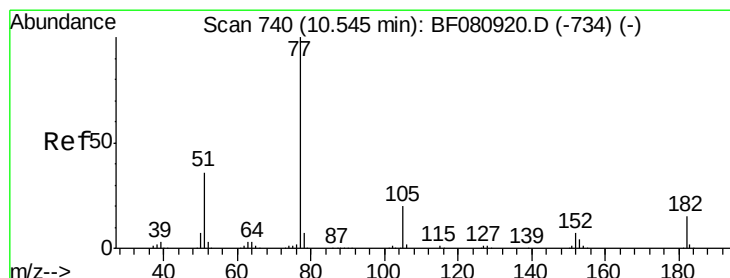
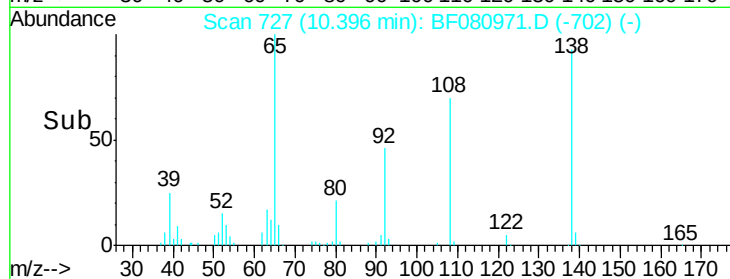
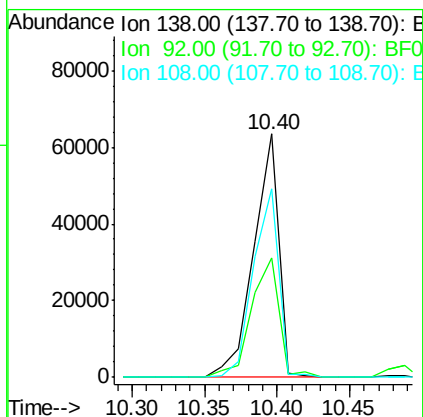
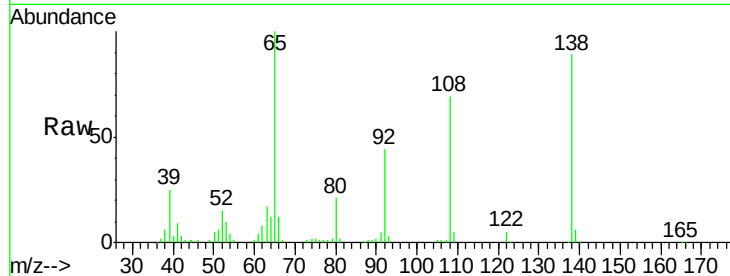




#61  
4-Nitroaniline  
Concen: 25.49 ng  
RT: 10.40 min Scan# 727  
Delta R.T. -0.01 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

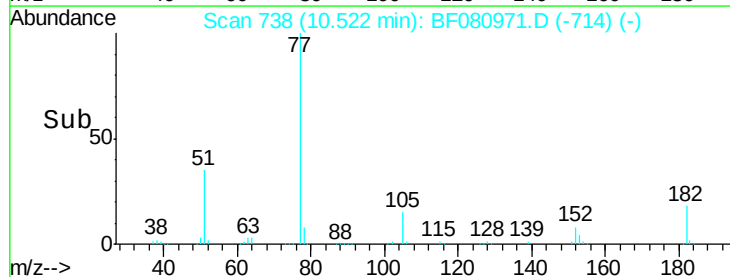
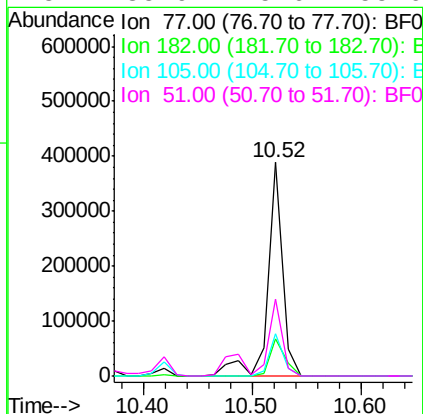
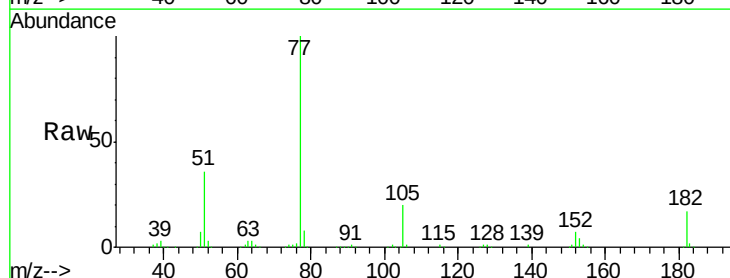
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-2MS

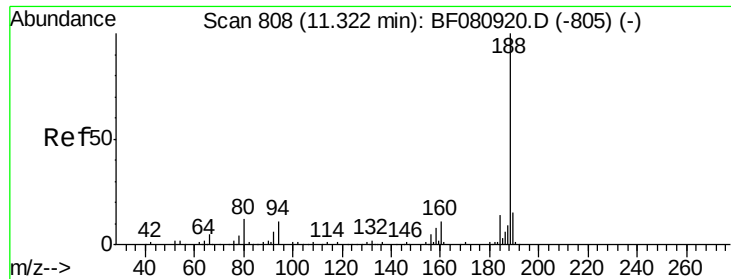
Tot Ion:138 Resp: 76008  
Ion Ratio Lower Upper  
138 100  
92 49.1 38.1 78.1  
108 77.5 59.9 99.9



#62  
Azobenzene  
Concen: 28.17 ng  
RT: 10.52 min Scan# 738  
Delta R.T. -0.02 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

Tgt Ion: 77 Resp: 373177  
Ion Ratio Lower Upper  
77 100  
182 17.2 0.0 35.5  
105 20.0 0.5 40.5  
51 35.9 15.6 55.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

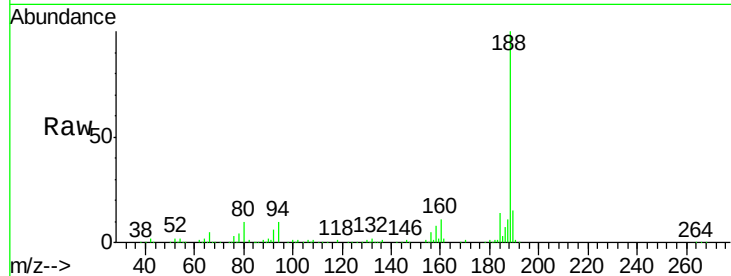
Tot Ion:188 Resp: 261157

Ion Ratio Lower Upper

188 100

94 9.6 8.8 13.2

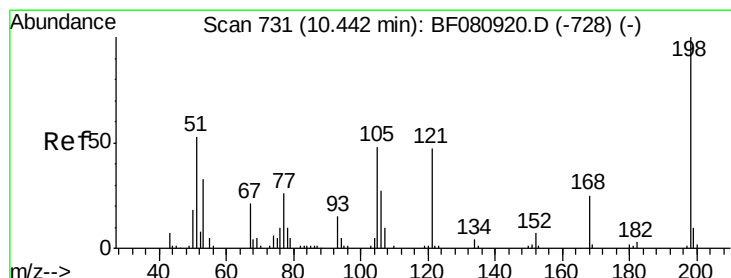
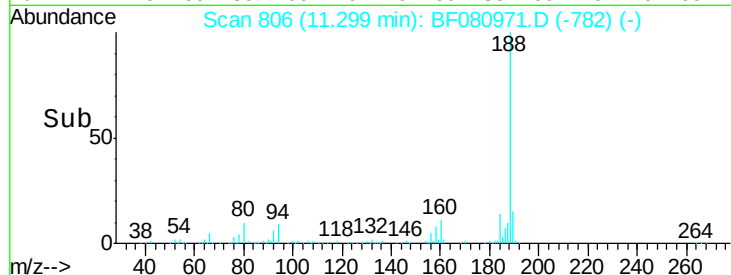
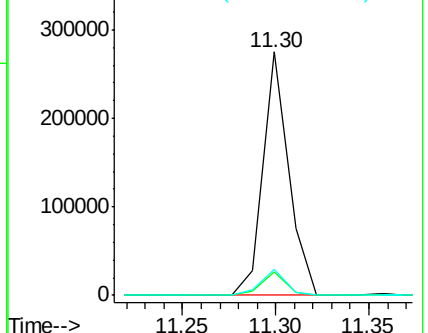
80 10.4 9.5 14.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 24.82 ng

RT: 10.42 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

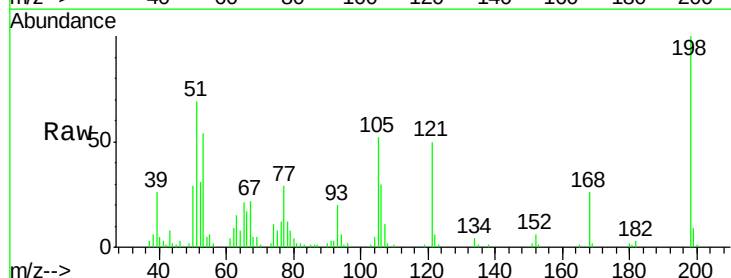
Tgt Ion:198 Resp: 40172

Ion Ratio Lower Upper

198 100

51 68.7 40.3 80.3

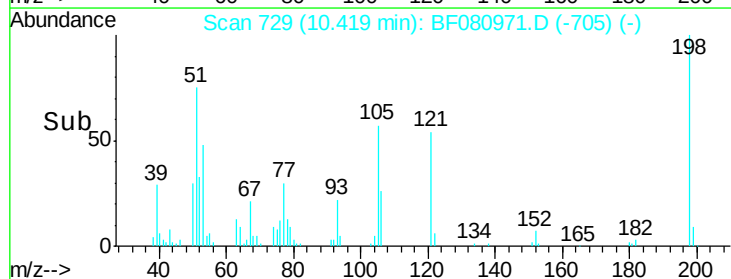
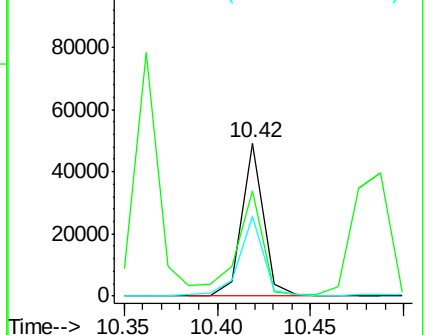
105 52.4 29.6 69.6

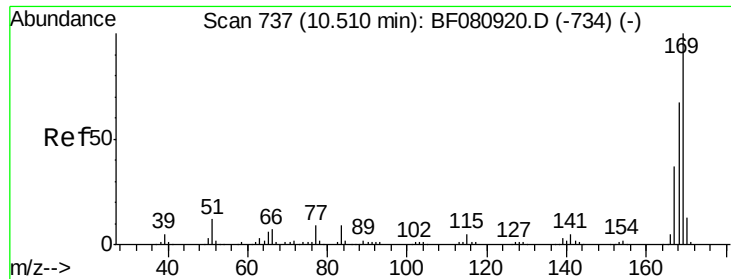


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

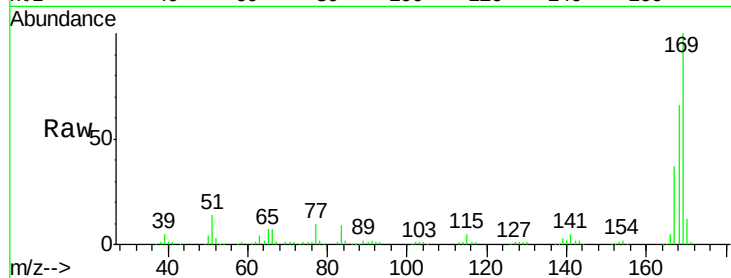




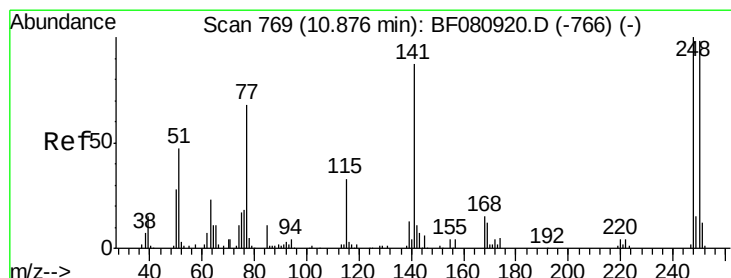
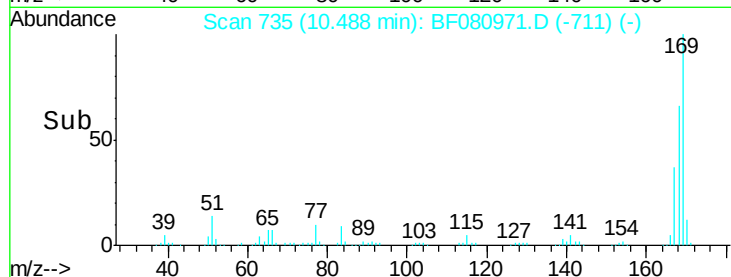
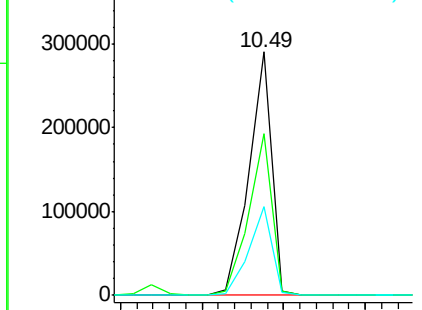
#65  
 n-Nitrosodiphenylamine  
 Concen: 31.00 ng  
 RT: 10.49 min Scan# 735  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 66.3  | 53.7  | 80.5  |
| 167     | 36.6  | 29.3  | 43.9  |

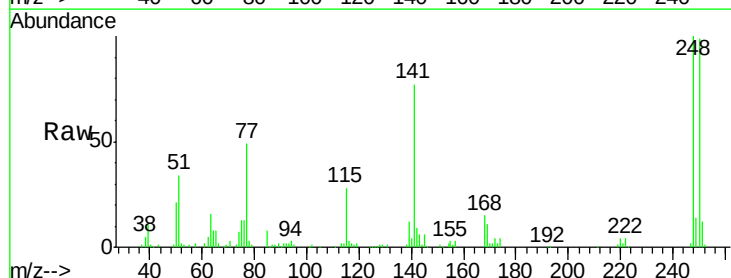


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

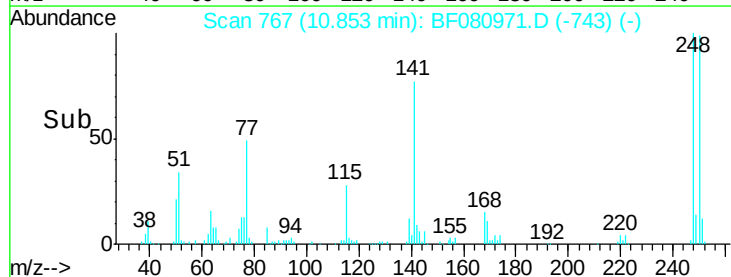
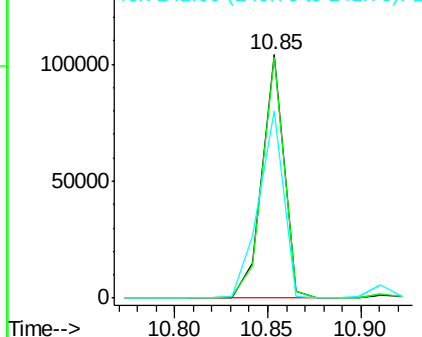


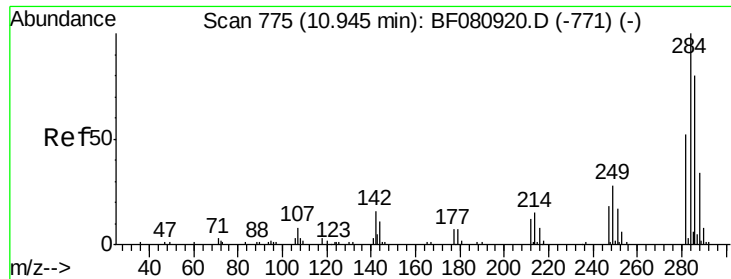
#66  
 4-Bromophenyl-phenylether  
 Concen: 30.44 ng  
 RT: 10.85 min Scan# 767  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.8  | 78.1  | 117.1 |
| 141     | 77.2  | 69.6  | 104.4 |



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 26.25 ng

RT: 10.91 min Scan# 772

Delta R.T. -0.03 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

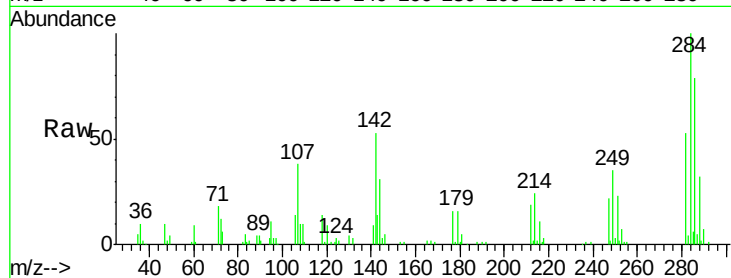
Tot Ion:284 Resp: 80736

Ion Ratio Lower Upper

284 100

142 52.8 12.8 19.2#

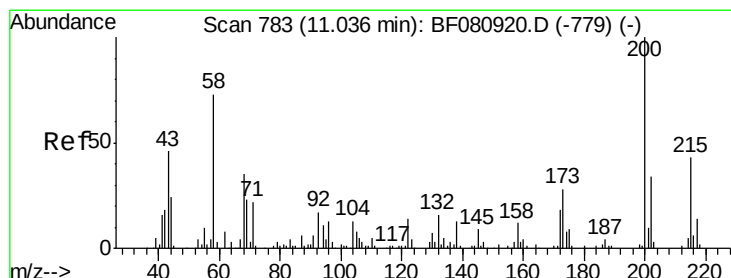
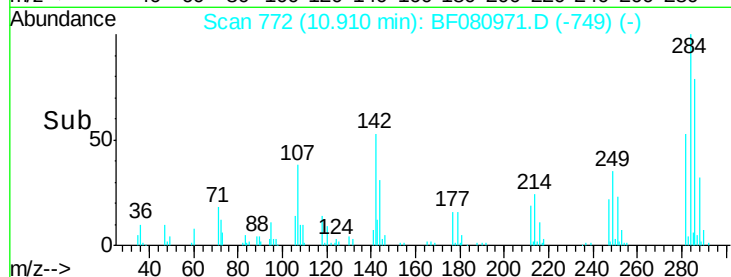
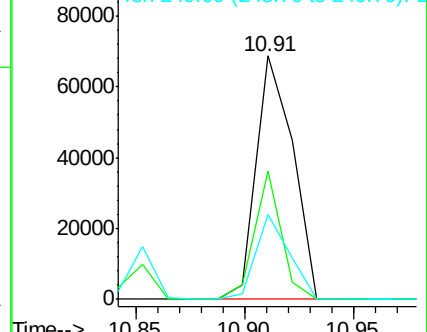
249 34.9 22.5 33.7#



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: 31.97 ng

RT: 11.01 min Scan# 781

Delta R.T. -0.02 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

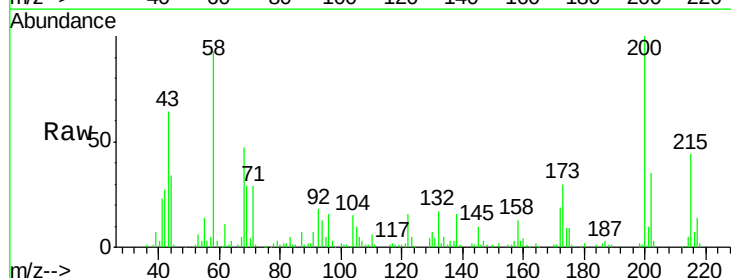
Tgt Ion:200 Resp: 85034

Ion Ratio Lower Upper

200 100

173 30.2 8.4 48.4

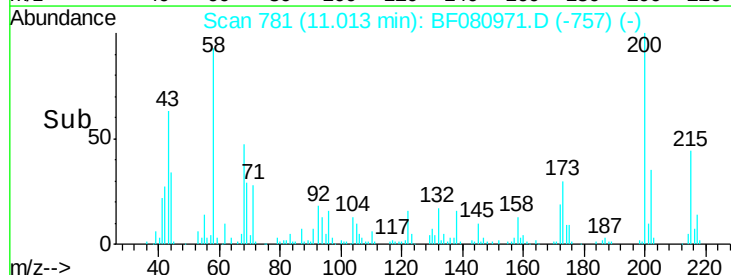
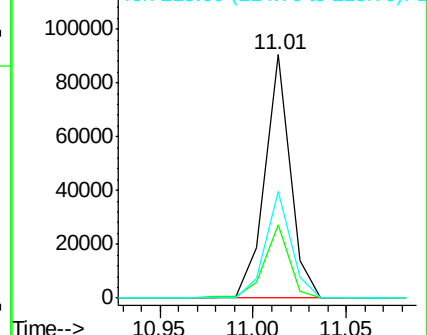
215 43.8 22.7 62.7

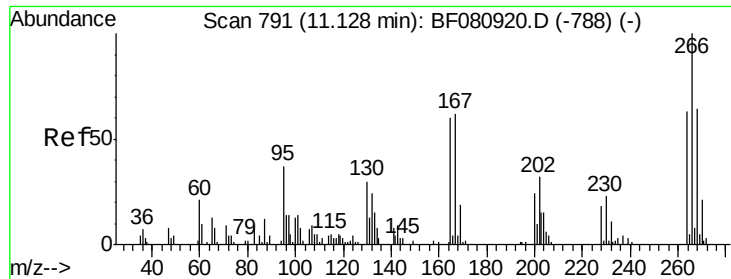


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

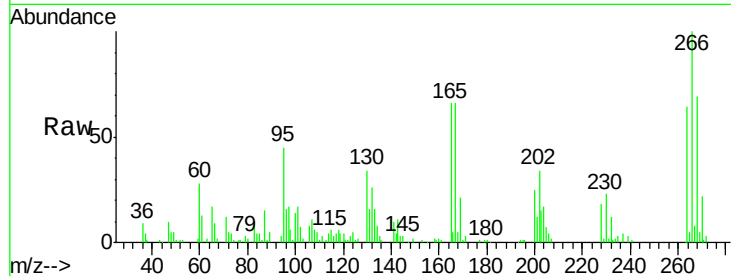




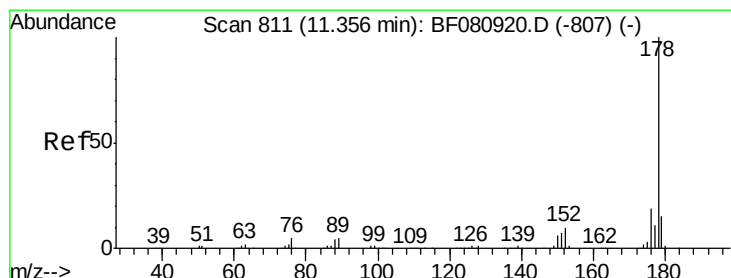
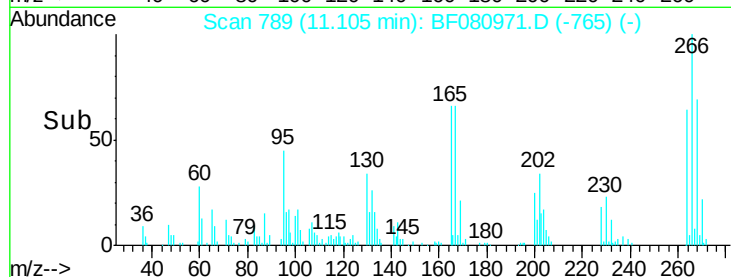
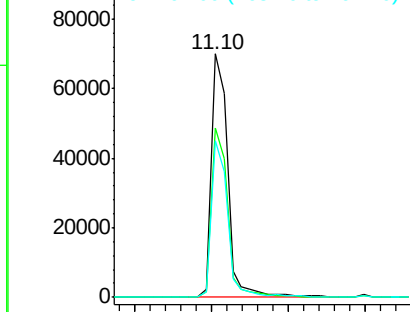
#69  
 Pentachlorophenol  
 Concen: 57.59 ng  
 RT: 11.10 min Scan# 789  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 69.3  | 51.6  | 77.4  |
| 264     | 64.4  | 50.1  | 75.1  |

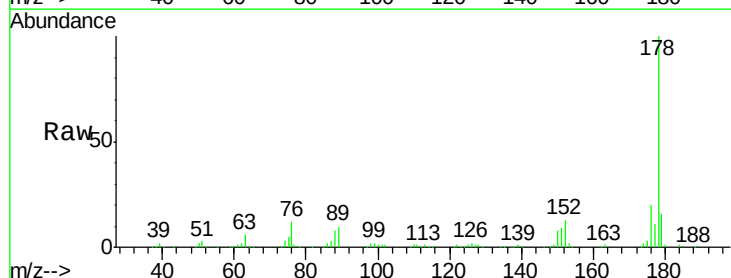


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

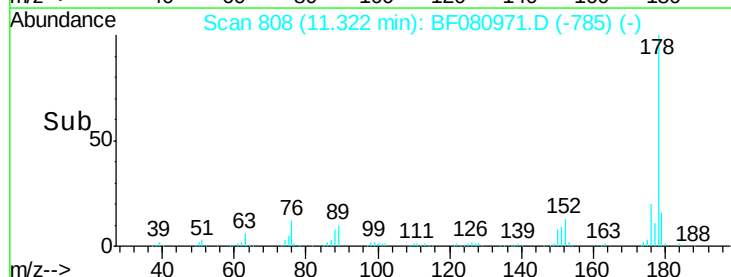
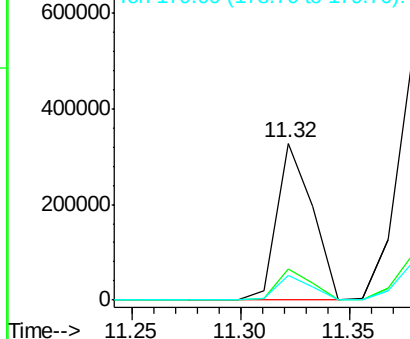


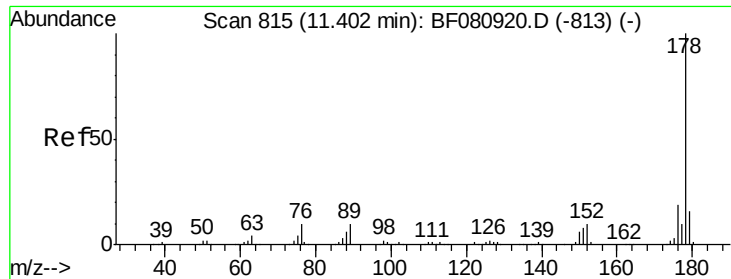
#70  
 Phenanthrene  
 Concen: 25.27 ng  
 RT: 11.32 min Scan# 808  
 Delta R.T. -0.03 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.0  | 15.6  | 23.4  |
| 179     | 16.0  | 11.9  | 17.9  |



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

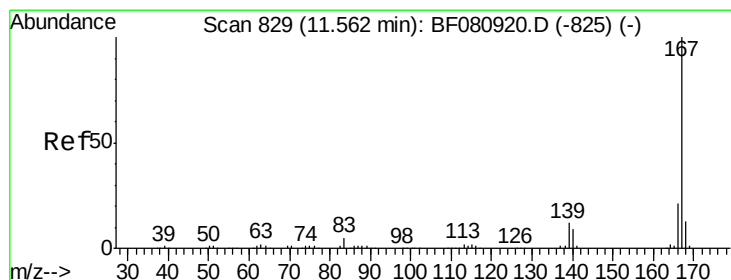
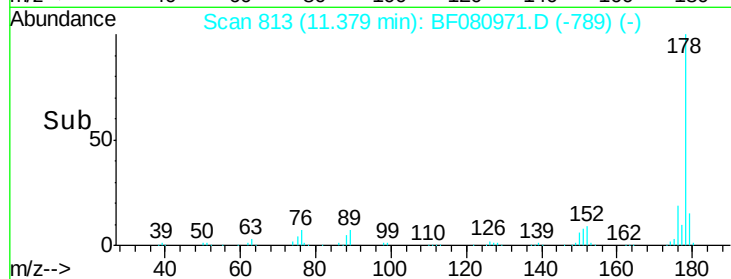
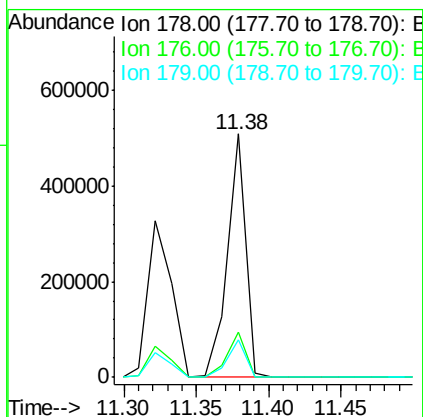
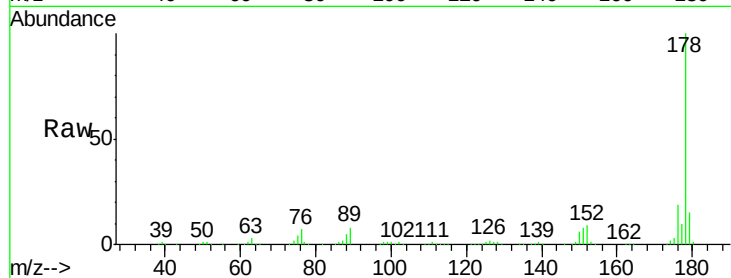




#71  
 Anthracene  
 Concen: 30.54 ng  
 RT: 11.38 min Scan# 813  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

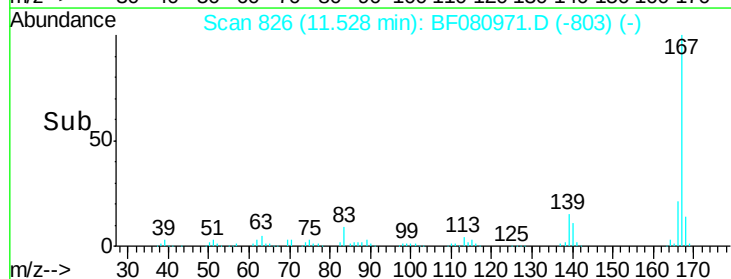
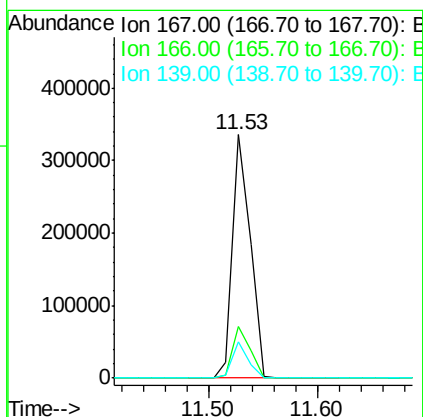
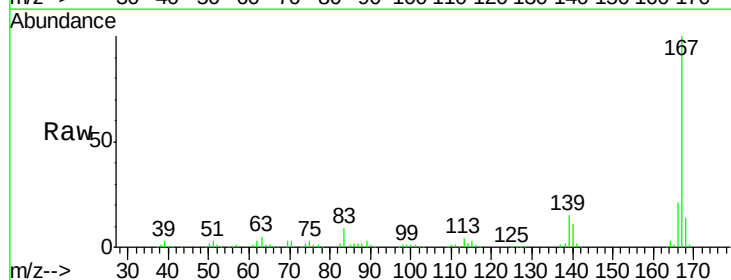
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

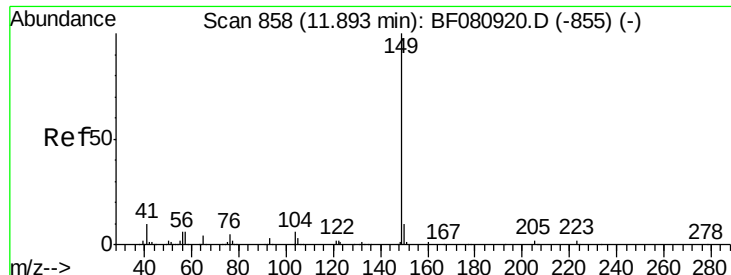
Tot Ion:178 Resp: 447176  
 Ion Ratio Lower Upper  
 178 100  
 176 18.7 15.5 23.3  
 179 15.3 12.6 18.8



#72  
 Carbazole  
 Concen: 26.33 ng  
 RT: 11.53 min Scan# 826  
 Delta R.T. -0.03 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

Tgt Ion:167 Resp: 375382  
 Ion Ratio Lower Upper  
 167 100  
 166 21.3 17.1 25.7  
 139 15.0 9.2 13.8#

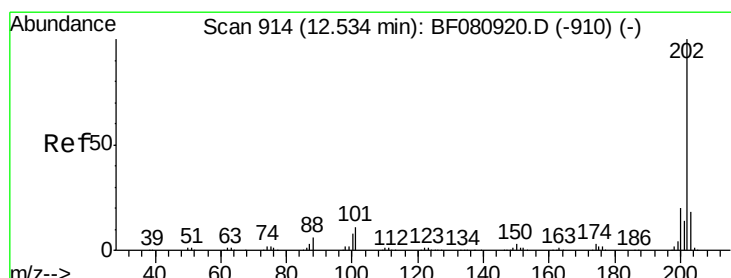
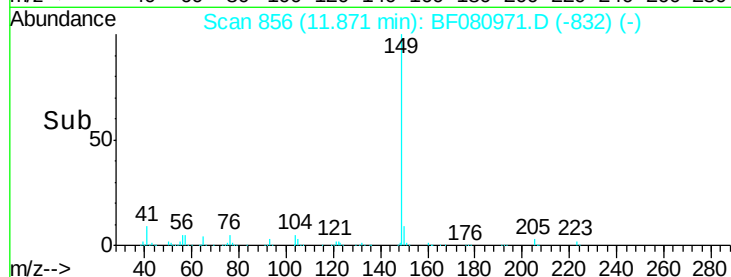
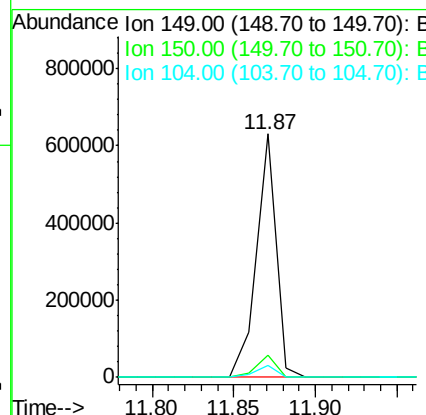
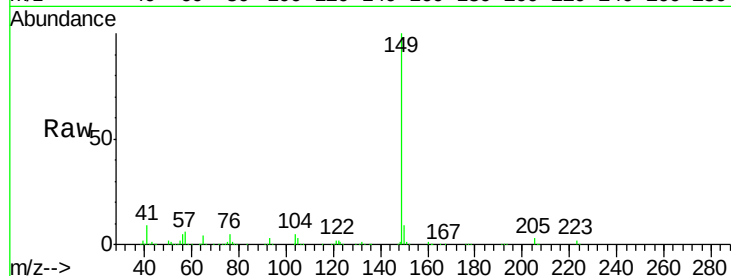




#73  
Di-n-butylphthalate  
Concen: 29.67 ng  
RT: 11.87 min Scan# 856  
Delta R.T. -0.02 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

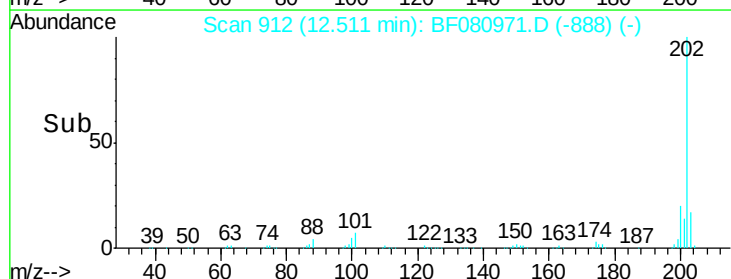
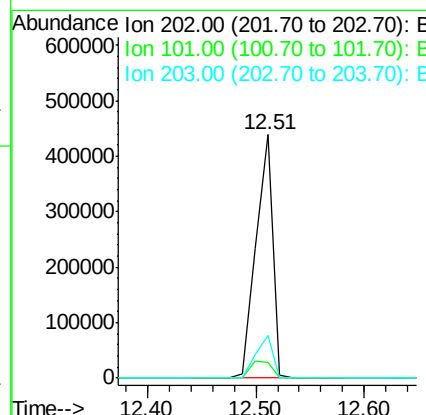
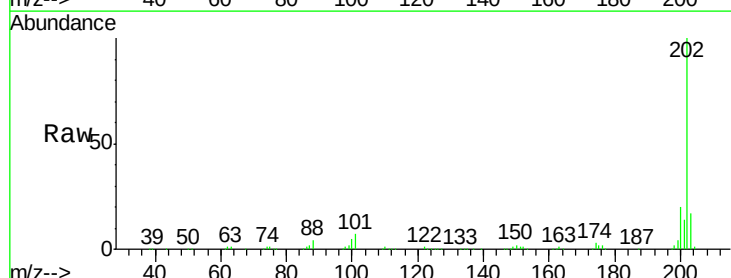
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-2MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.3   | 7.6   | 11.4  |
| 104     | 5.1   | 4.4   | 6.6   |

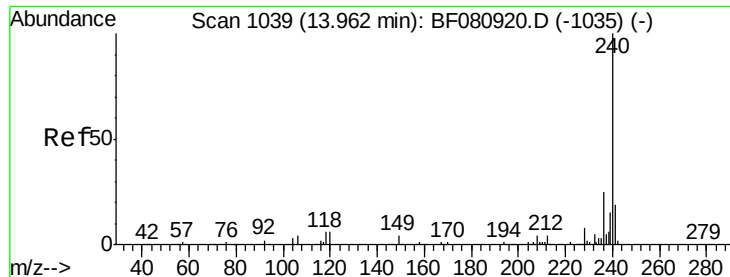


#74  
Fluoranthene  
Concen: 29.59 ng  
RT: 12.51 min Scan# 912  
Delta R.T. -0.02 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 6.5   | 0.0   | 30.5  |
| 203     | 17.5  | 0.0   | 37.7  |







#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

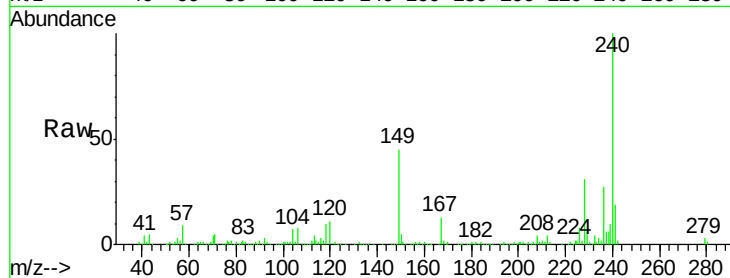
Tot Ion:240 Resp: 224898

Ion Ratio Lower Upper

240 100

120 11.3 5.2 7.8#

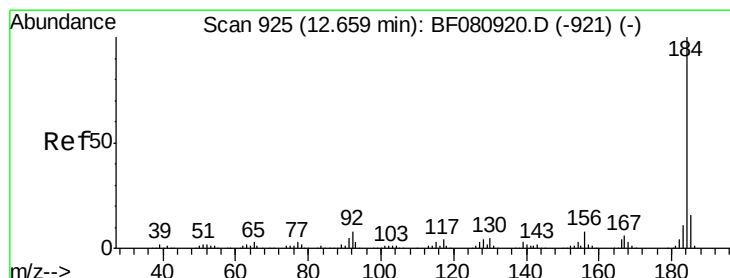
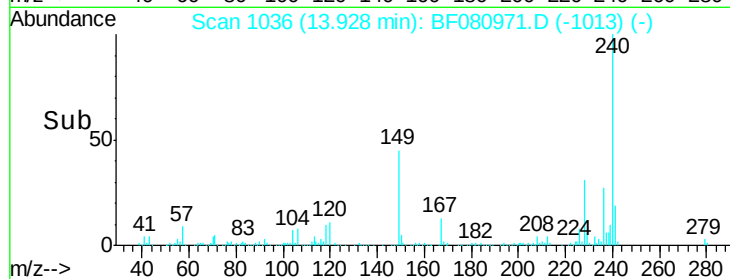
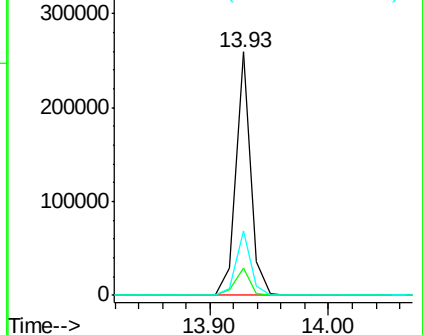
236 26.6 20.2 30.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 10.81 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.03 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

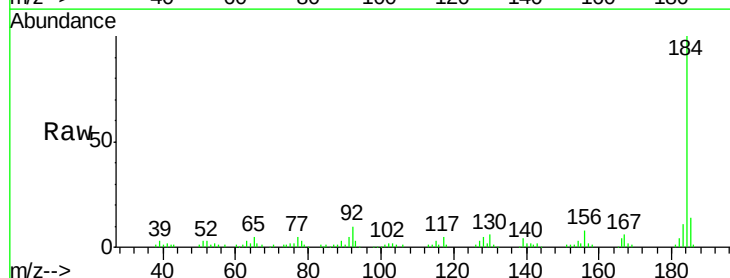
Tgt Ion:184 Resp: 121575

Ion Ratio Lower Upper

184 100

185 14.5 13.0 19.4

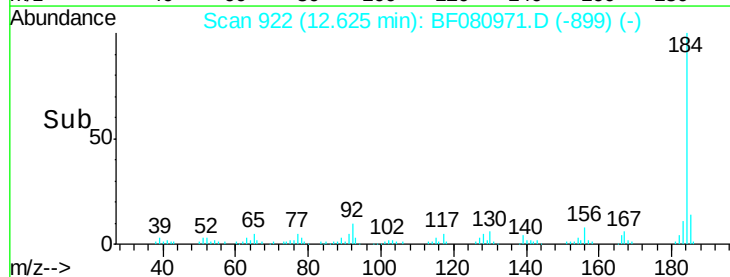
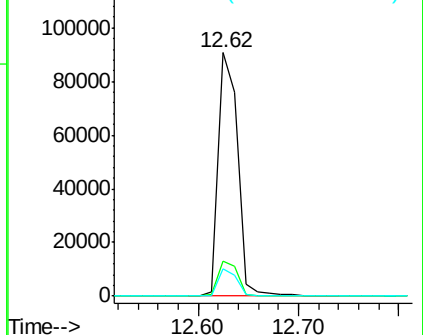
183 11.0 8.7 13.1

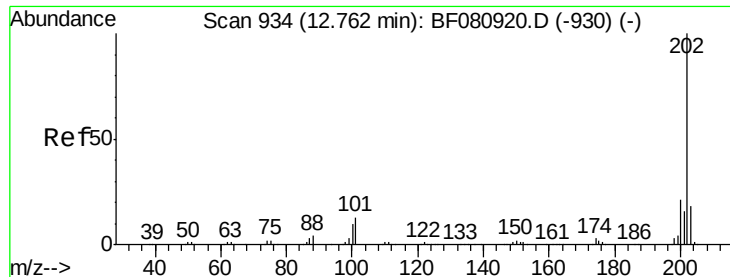


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

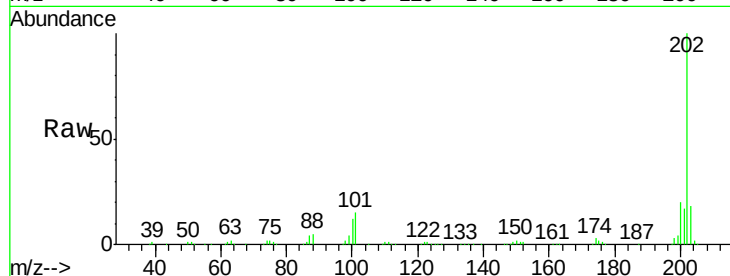




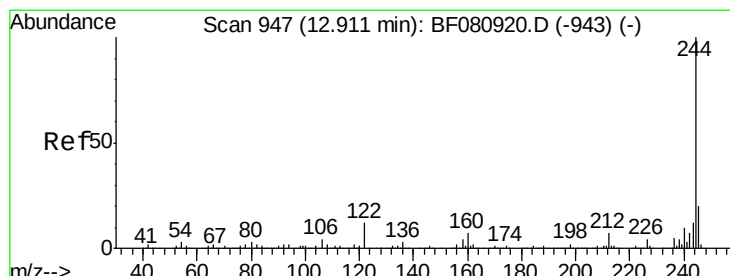
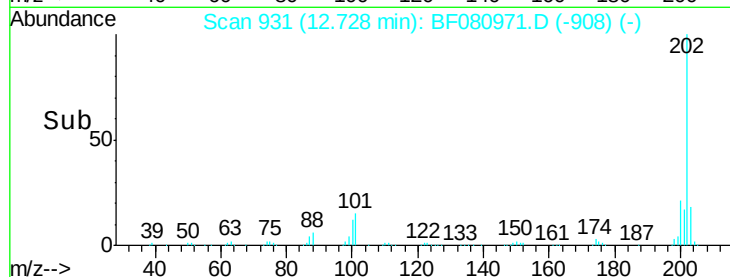
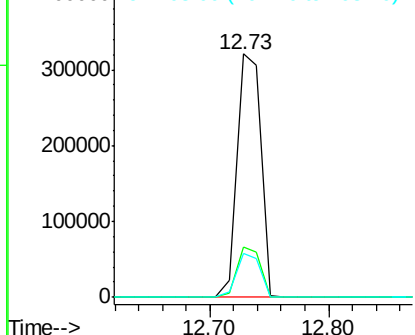
#77  
 Pvrene  
 Concen: 27.05 ng  
 RT: 12.73 min Scan# 931  
 Delta R.T. -0.03 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.4  | 16.6  | 24.8  |
| 203     | 18.1  | 14.2  | 21.2  |

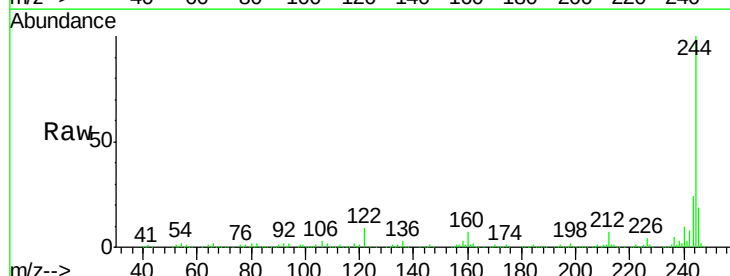


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

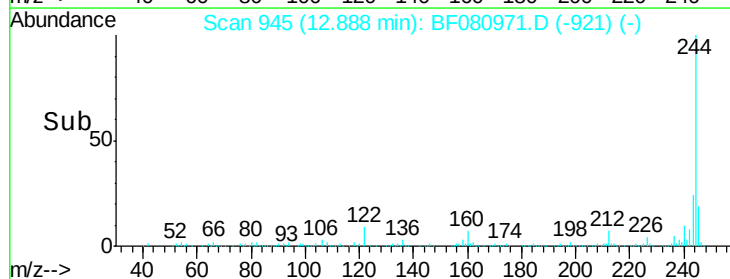
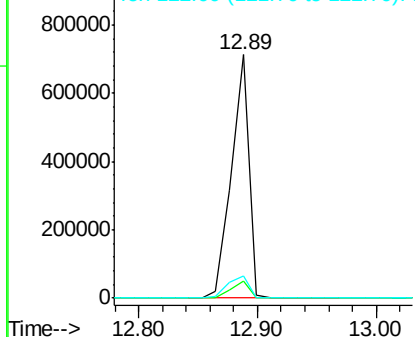


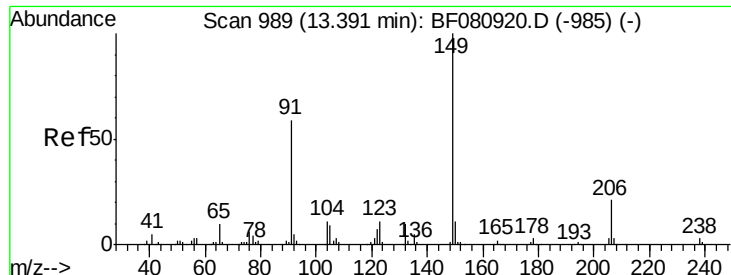
#78  
 Terphenyl-d14  
 Concen: 66.97 ng  
 RT: 12.89 min Scan# 945  
 Delta R.T. -0.02 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 5.8   | 8.8   |
| 122     | 9.3   | 9.4   | 14.2# |



Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

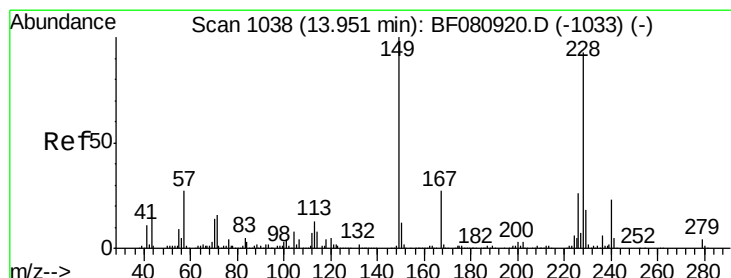
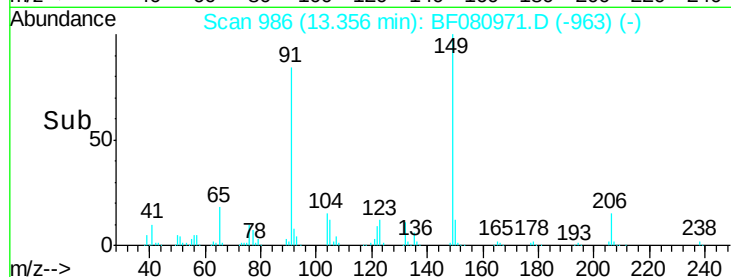
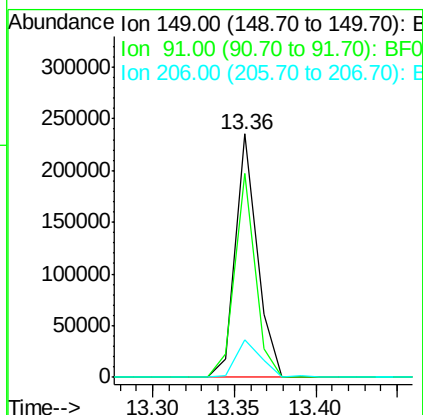
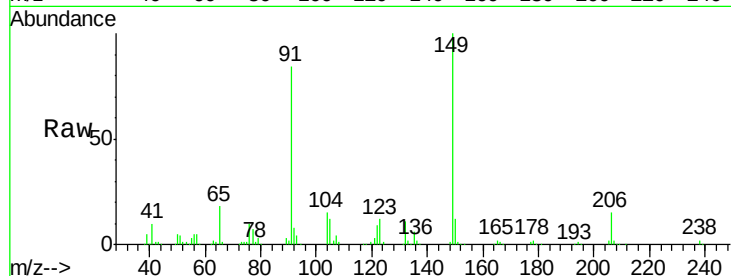




#79  
Butylbenzylphthalate  
Concen: 27.03 ng  
RT: 13.36 min Scan# 986  
Delta R.T. -0.03 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

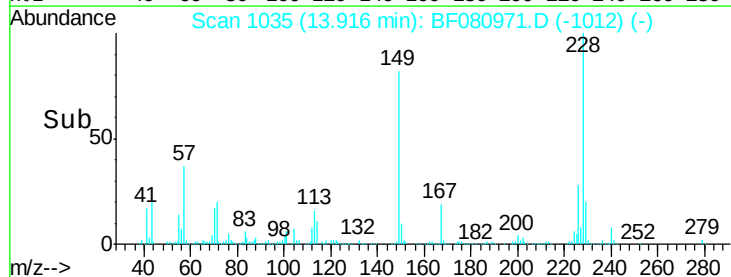
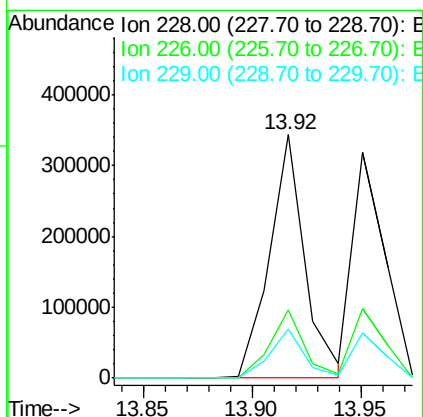
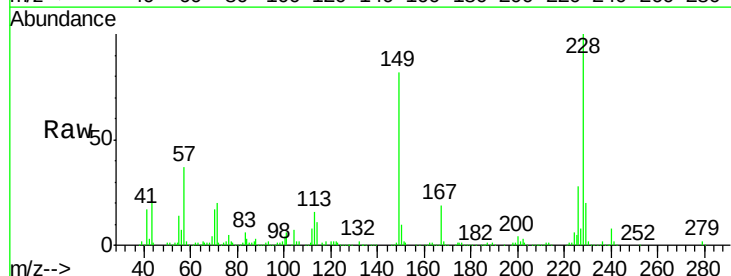
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-2MS

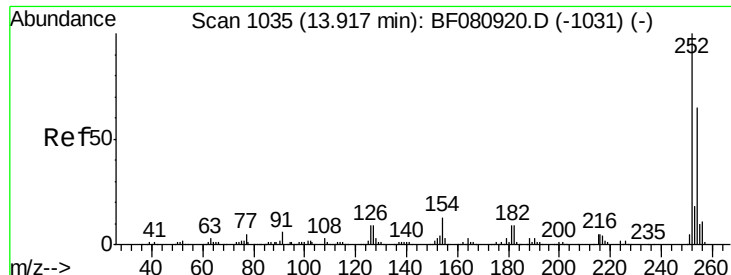
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 83.7  | 47.2  | 70.8# |
| 206     | 15.4  | 16.5  | 24.7# |



#80  
Benzo(a)anthracene  
Concen: 27.52 ng  
RT: 13.92 min Scan# 1035  
Delta R.T. -0.03 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.1  | 22.2  | 33.2  |
| 229     | 19.9  | 15.8  | 23.6  |

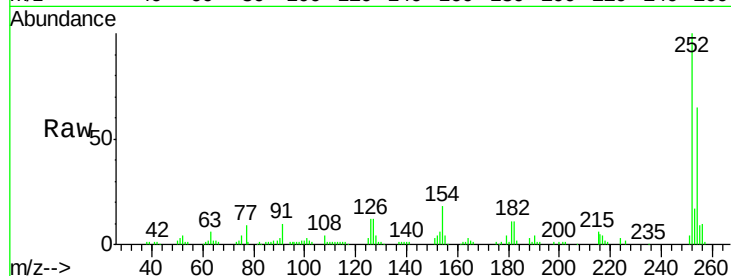




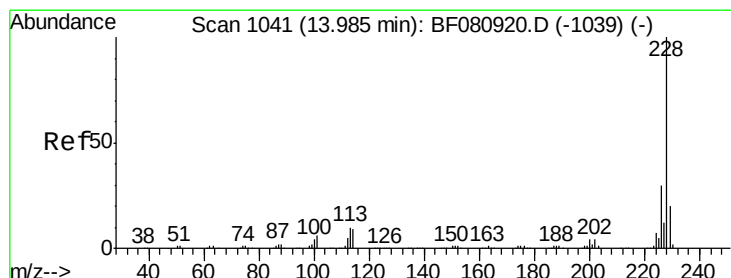
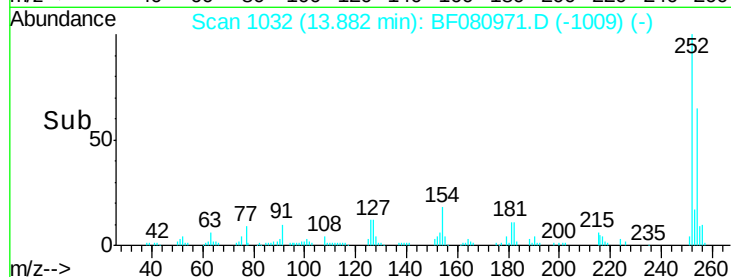
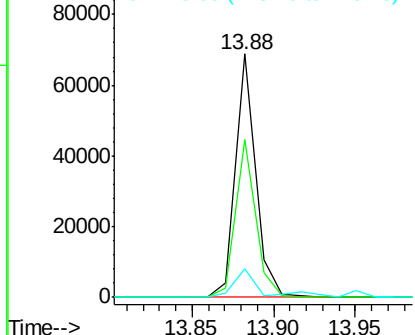
#81  
 3,3'-Dichlorobenzidine  
 Concen: 11.23 ng  
 RT: 13.88 min Scan# 1032  
 Delta R.T. -0.03 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.6  | 51.7  | 77.5  |
| 126     | 11.7  | 7.1   | 10.7  |

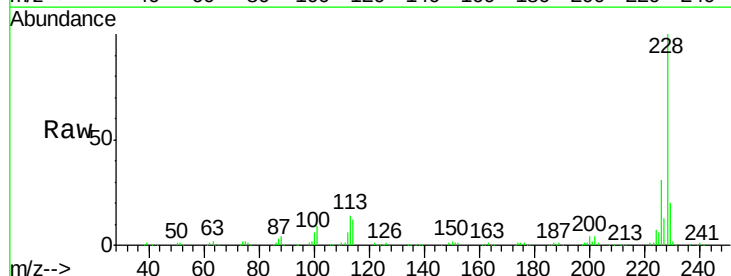


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

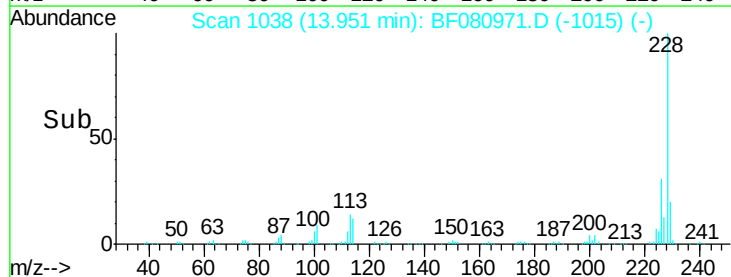
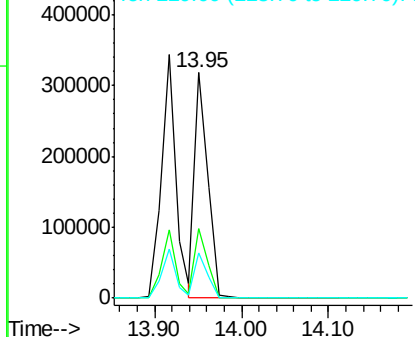


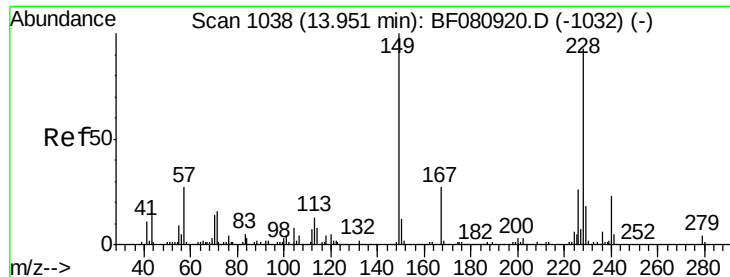
#82  
 Chrysene  
 Concen: 24.53 ng  
 RT: 13.95 min Scan# 1038  
 Delta R.T. -0.03 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.0  | 23.9  | 35.9  |
| 229     | 19.8  | 15.8  | 23.6  |



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E

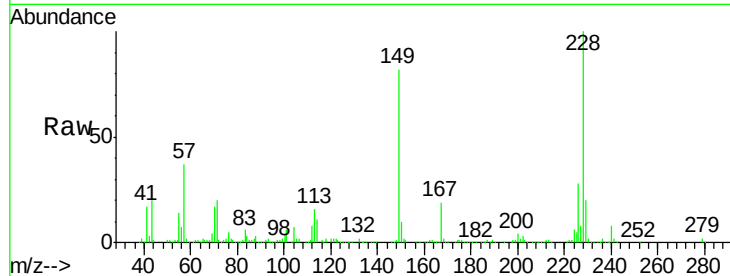




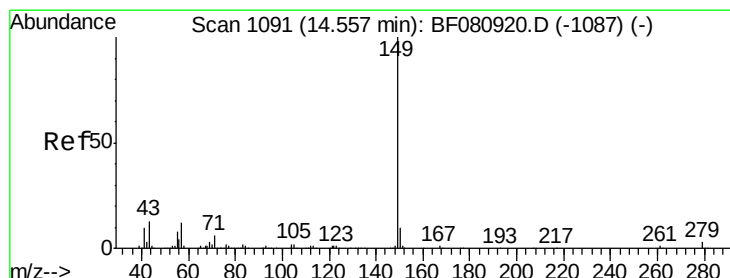
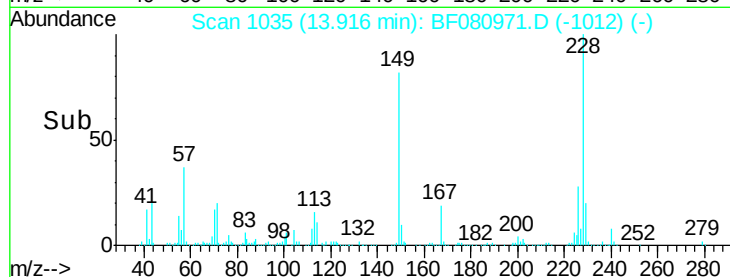
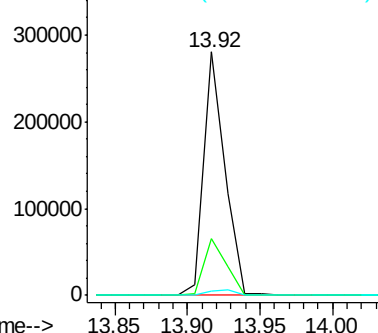
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 25.52 ng  
 RT: 13.92 min Scan# 1035  
 Delta R.T. -0.03 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

Tot Ion:149 Resp: 284386  
 Ion Ratio Lower Upper  
 149 100  
 167 23.6 21.4 32.0  
 279 1.8 2.9 4.3#

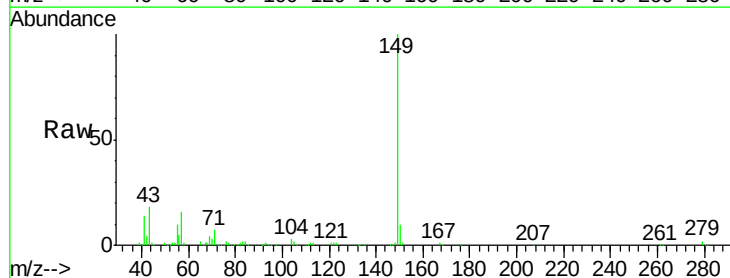


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

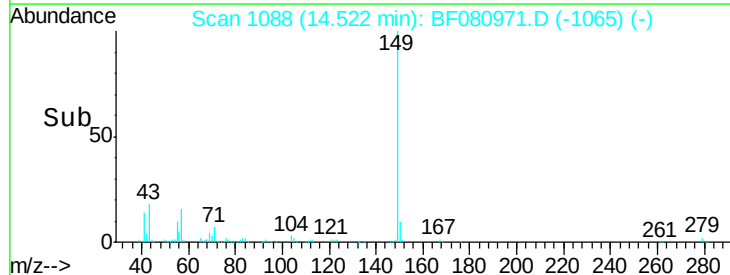
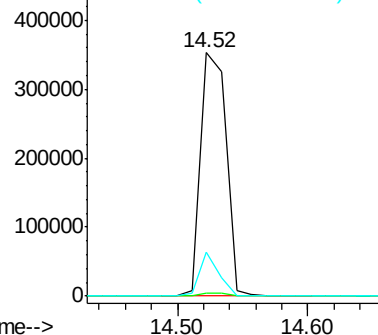


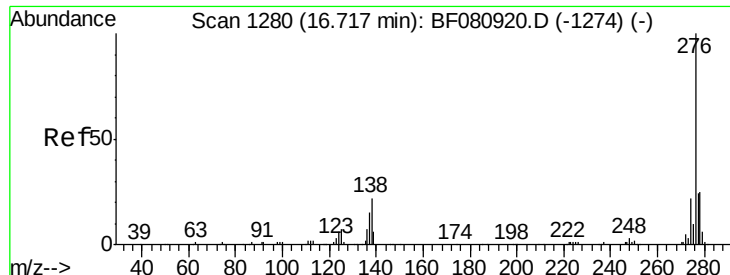
#84  
 Di-n-octyl phthalate  
 Concen: 25.38 ng  
 RT: 14.52 min Scan# 1088  
 Delta R.T. -0.03 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

Tgt Ion:149 Resp: 479469  
 Ion Ratio Lower Upper  
 149 100  
 167 1.4 1.1 1.7  
 43 13.9 11.0 16.4



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BF0

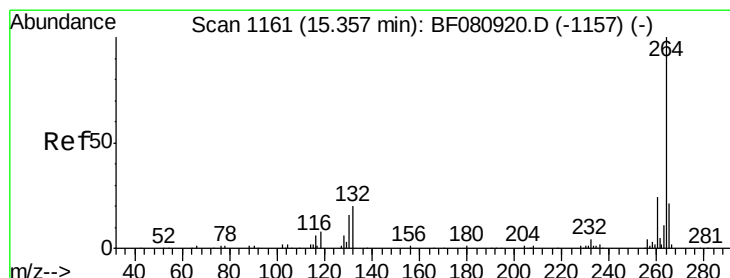
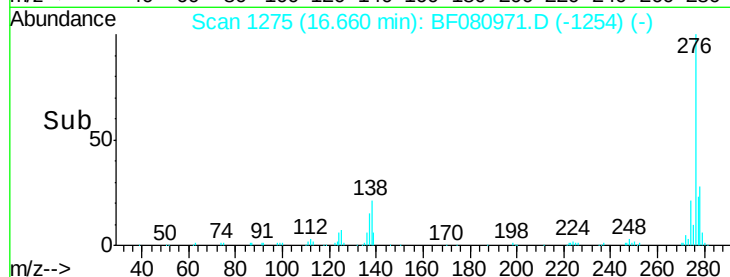
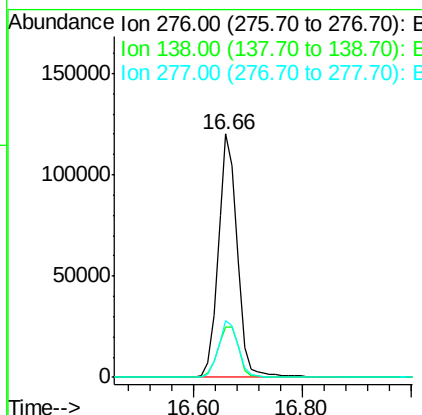
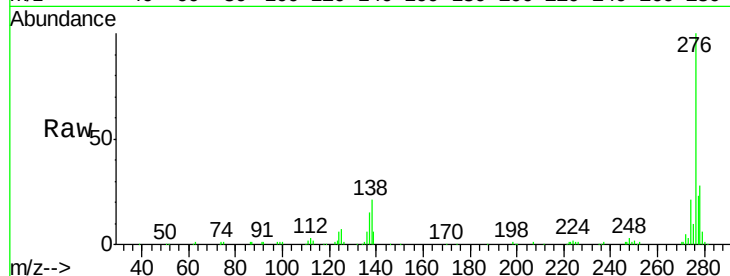




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 22.87 ng  
 RT: 16.66 min Scan# 1275  
 Delta R.T. -0.06 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

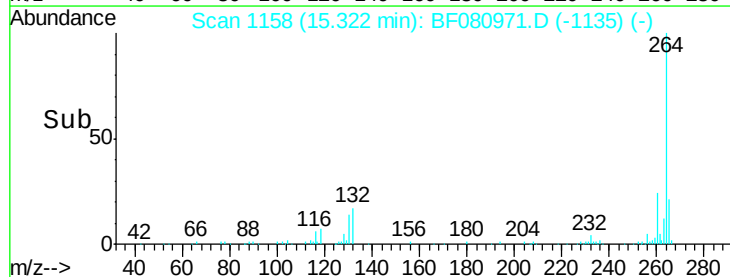
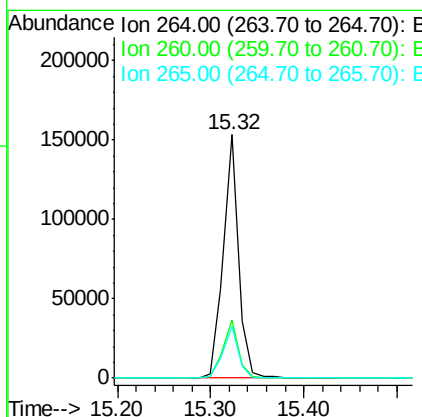
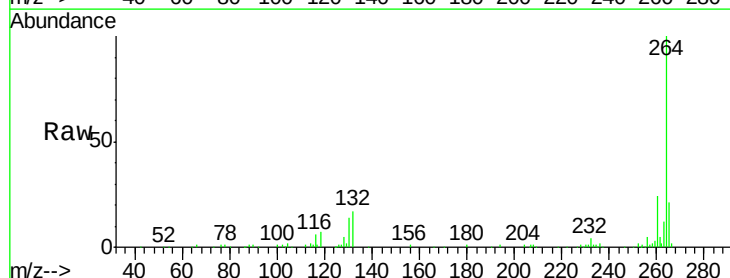
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2MS

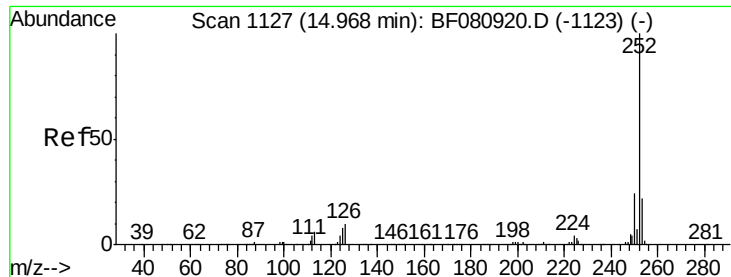
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:276 | Resp: | 296101    |
| Ion Ratio   | Lower | Upper     |
| 276         | 100   |           |
| 138         | 23.0  | 19.9 29.9 |
| 277         | 24.1  | 19.7 29.5 |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.32 min Scan# 1158  
 Delta R.T. -0.03 min  
 Lab File: BF080971.D  
 Acq: 11 Aug 2015 20:08

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 175237    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 23.8  | 19.4 29.0 |
| 265         | 21.0  | 17.0 25.4 |

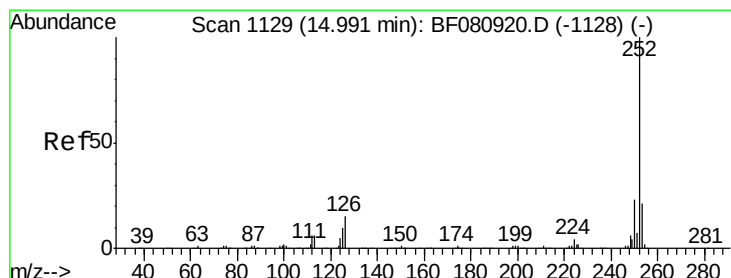
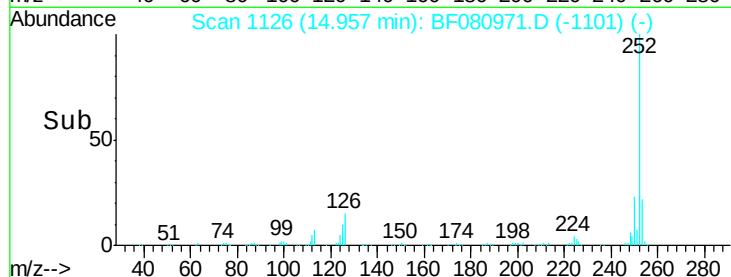
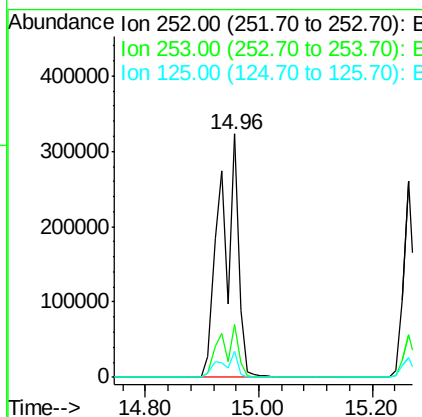
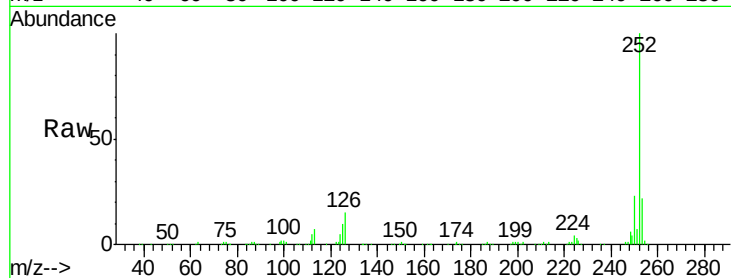




#87  
Benzo(b)fluoranthene  
Concen: 57.15 ng  
RT: 14.96 min Scan# 1126  
Delta R.T. -0.01 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

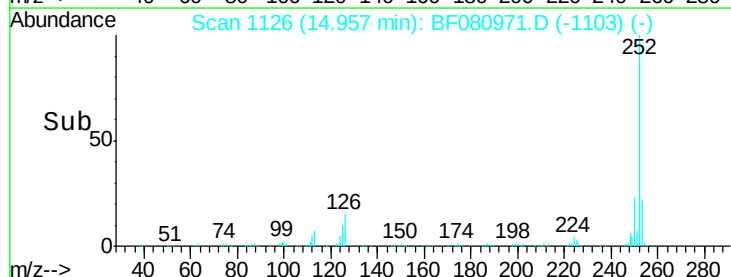
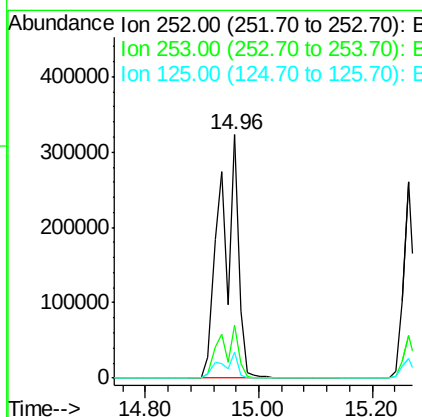
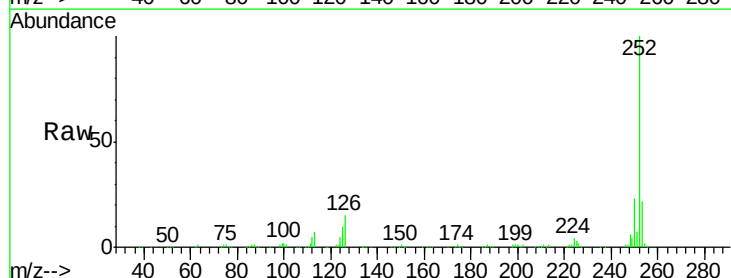
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-2MS

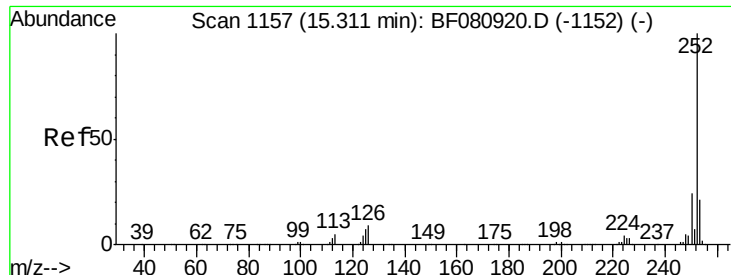
Tot Ion:252 Resp: 696388  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 10.5 6.1 9.1#



#88  
Benzo(k)fluoranthene  
Concen: 65.33 ng  
RT: 14.96 min Scan# 1126  
Delta R.T. -0.03 min  
Lab File: BF080971.D  
Acq: 11 Aug 2015 20:08

Tgt Ion:252 Resp: 696388  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.4 26.2  
125 10.5 9.0 13.6





#89

Benzo(a)pyrene

Concen: 30.47 ng

RT: 15.27 min Scan# 1153

Delta R.T. -0.05 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

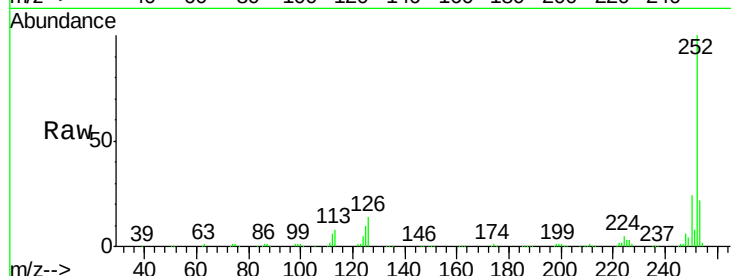
Tot Ion:252 Resp: 319148

Ion Ratio Lower Upper

252 100

253 21.6 16.9 25.3

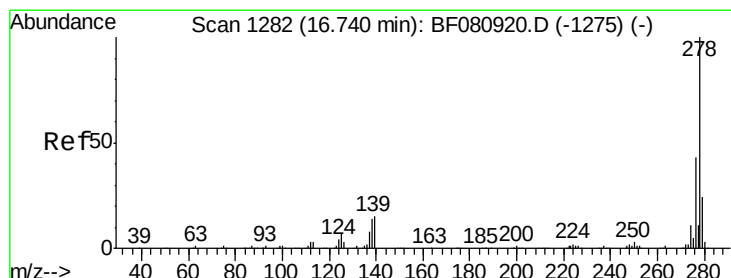
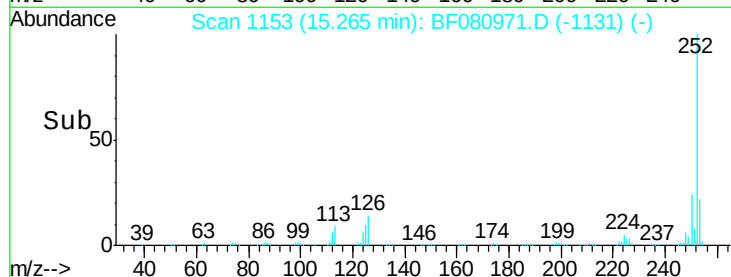
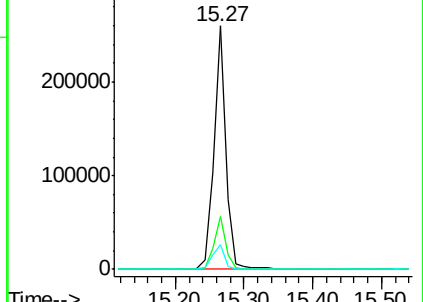
125 10.1 5.8 8.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 27.39 ng

RT: 16.68 min Scan# 1277

Delta R.T. -0.06 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

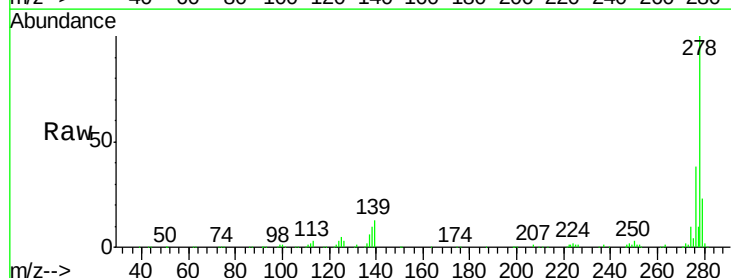
Tgt Ion:278 Resp: 253713

Ion Ratio Lower Upper

278 100

139 12.8 11.9 17.9

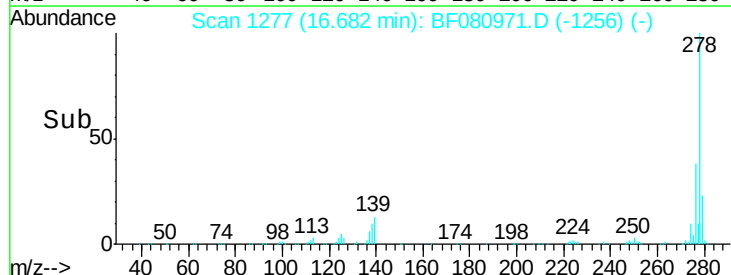
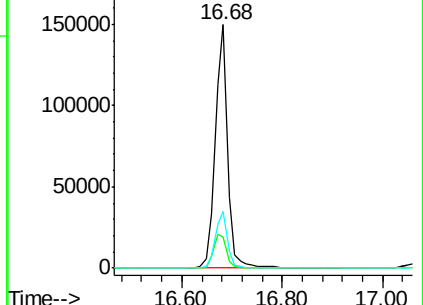
279 23.4 19.0 28.6



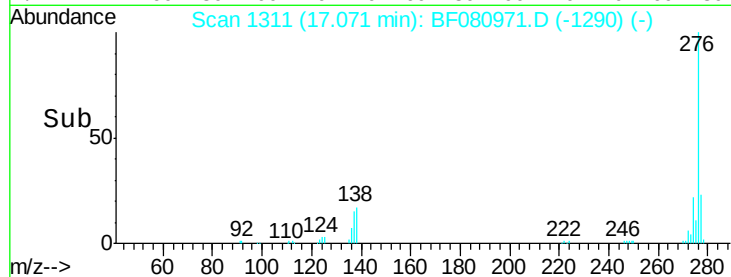
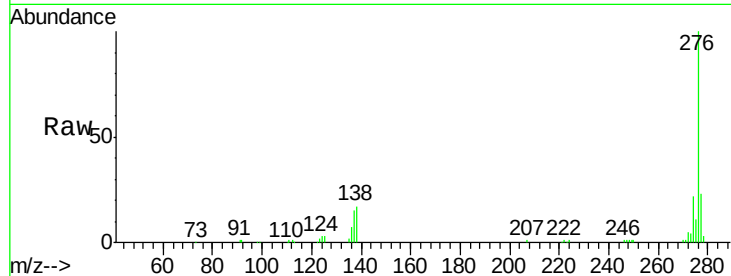
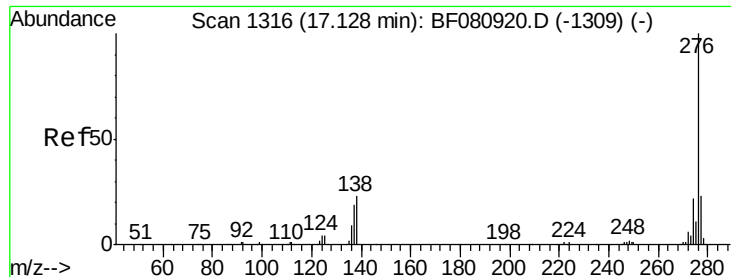
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E







#91

Benzo(a,h,i)perylene

Concen: 25.36 ng

RT: 17.07 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BF080971.D

Acq: 11 Aug 2015 20:08

Instrument :

BNA\_F

ClientSampleId :

SOIL-2MS

Tot Ion: 276 Resp: 228453

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 16.8 18.4 27.6#

