

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG090916\  
 Data File : BG023979.D  
 Acq On : 9 Sep 2016 18:18  
 Operator : UM/SJ  
 Sample : H4715-04MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-CUTTINGSMS

Quant Time: Sep 10 01:02:00 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 09 16:24:09 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 62382    | 20.00 | ng    | -0.04    |
| 21) Naphthalene-d8        | 10.89 | 136  | 296466   | 20.00 | ng    | -0.04    |
| 38) Acenaphthene-d10      | 14.74 | 164  | 239826   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 17.50 | 188  | 607195   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 21.81 | 240  | 471963   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 25.17 | 264  | 475069   | 20.00 | ng    | -0.04    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.62  | 112 | 465904  | 131.12 | ng | -0.03 |
| 7) Phenol-d6             | 7.24  | 99  | 700714  | 128.11 | ng | -0.04 |
| 23) Nitrobenzene-d5      | 9.25  | 82  | 612505  | 92.23  | ng | -0.04 |
| 41) 2,4,6-Tribromophenol | 16.24 | 330 | 550195  | 127.33 | ng | -0.03 |
| 44) 2-Fluorobiphenyl     | 13.35 | 172 | 1328020 | 79.39  | ng | -0.03 |
| 78) Terphenyl-d14        | 20.11 | 244 | 2085422 | 100.63 | ng | -0.03 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.47  | 88  | 44886  | 30.63 | ng | # 81   |
| 3) Pyridine                    | 3.90  | 79  | 149236 | 33.89 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.80  | 42  | 103853 | 44.74 | ng | # 87   |
| 6) Aniline                     | 7.39  | 93  | 223477 | 30.78 | ng | 96     |
| 8) 2-Chlorophenol              | 7.63  | 128 | 184309 | 44.77 | ng | 98     |
| 9) Benzaldehyde                | 7.20  | 77  | 29818  | 7.67  | ng | 83     |
| 10) Phenol                     | 7.26  | 94  | 249522 | 43.36 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 7.48  | 93  | 186695 | 41.24 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 7.95  | 146 | 164800 | 34.21 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 8.10  | 146 | 173659 | 34.02 | ng | 90     |
| 14) 1,2-Dichlorobenzene        | 8.42  | 146 | 173620 | 36.24 | ng | 95     |
| 15) Benzyl Alcohol             | 8.31  | 79  | 265852 | 55.13 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.60  | 45  | 245849 | 40.52 | ng | 91     |
| 17) 2-Methylphenol             | 8.52  | 107 | 190763 | 49.21 | ng | 95     |
| 18) Hexachloroethane           | 9.14  | 117 | 71886  | 36.58 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.88  | 70  | 221825 | 45.91 | ng | 95     |
| 20) 3+4-Methylphenols          | 8.86  | 107 | 263940 | 48.86 | ng | 96     |
| 22) Acetophenone               | 8.90  | 105 | 312760 | 40.75 | ng | # 97   |
| 24) Nitrobenzene               | 9.29  | 77  | 320438 | 44.87 | ng | 97     |
| 25) Isophorone                 | 9.81  | 82  | 612843 | 47.59 | ng | 98     |
| 26) 2-Nitrophenol              | 10.01 | 139 | 125942 | 46.39 | ng | # 93   |
| 27) 2,4-Dimethylphenol         | 10.06 | 122 | 225525 | 48.88 | ng | 90     |
| 28) bis(2-Chloroethoxy)methane | 10.29 | 93  | 305927 | 47.05 | ng | 95     |
| 29) 2,4-Dichlorophenol         | 10.55 | 162 | 253539 | 51.87 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.75 | 180 | 220907 | 41.20 | ng | 95     |
| 31) Naphthalene                | 10.95 | 128 | 632189 | 41.38 | ng | 98     |
| 32) Benzoic acid               | 10.25 | 122 | 83119  | 22.18 | ng | 95     |
| 33) 4-Chloroaniline            | 11.07 | 127 | 62783  | 9.84  | ng | 95     |
| 34) Hexachlorobutadiene        | 11.22 | 225 | 167402 | 41.57 | ng | 96     |
| 35) Caprolactam                | 11.88 | 113 | 71645m | 41.59 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.20 | 107 | 320508 | 49.07 | ng | 95     |
| 37) 2-Methylnaphthalene        | 12.55 | 142 | 527912 | 45.43 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.92 | 216 | 302214 | 37.96 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.89 | 237 | 337562 | 71.23 | ng | 99     |

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 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

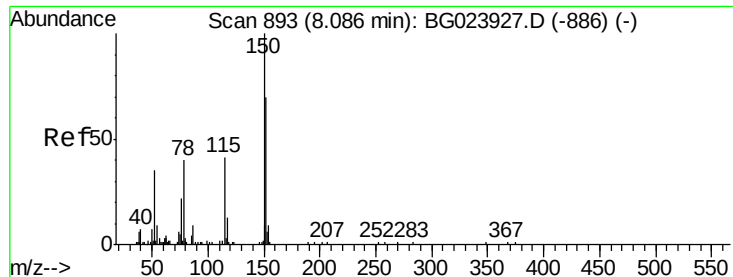
Instrument :  
 BNA\_G  
 ClientSampleId :  
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Quant Time: Sep 10 01:02:00 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG083116.M  
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 QLast Update : Fri Sep 09 16:24:09 2016  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.17 | 196  | 242298   | 45.61 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 13.26 | 196  | 246259   | 45.86 | ng    | 92       |
| 45) 1,1'-Biphenyl              | 13.56 | 154  | 694301   | 35.99 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.61 | 162  | 596258   | 42.10 | ng    | 94       |
| 47) 2-Nitroaniline             | 13.83 | 65   | 281012   | 50.38 | ng    | 96       |
| 48) Acenaphthylene             | 14.46 | 152  | 972851   | 41.21 | ng    | 99       |
| 49) Dimethylphthalate          | 14.19 | 163  | 869569   | 42.28 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 14.32 | 165  | 192804   | 44.41 | ng    | 94       |
| 51) Acenaphthene               | 14.80 | 154  | 627863   | 43.02 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.66 | 138  | 100451   | 24.74 | ng    | 92       |
| 53) 2,4-Dinitrophenol          | 14.87 | 184  | 153726   | 51.01 | ng    | # 83     |
| 54) Dibenzofuran               | 15.14 | 168  | 1028701  | 45.16 | ng    | 99       |
| 55) 4-Nitrophenol              | 14.99 | 139  | 225259   | 69.72 | ng    | 85       |
| 56) 2,4-Dinitrotoluene         | 15.12 | 165  | 285813   | 44.79 | ng    | 88       |
| 57) Fluorene                   | 15.79 | 166  | 861586   | 43.62 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.37 | 232  | 264948   | 48.61 | ng    | 95       |
| 59) Diethylphthalate           | 15.55 | 149  | 932131   | 42.46 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.77 | 204  | 469823   | 44.19 | ng    | 95       |
| 61) 4-Nitroaniline             | 15.84 | 138  | 173754   | 42.33 | ng    | 94       |
| 62) Azobenzene                 | 16.07 | 77   | 1068466  | 50.25 | ng    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.89 | 198  | 152008   | 36.06 | ng    | 84       |
| 65) n-Nitrosodiphenylamine     | 16.00 | 169  | 788274   | 45.71 | ng    | 94       |
| 66) 4-Bromophenyl-phenylether  | 16.68 | 248  | 353045   | 47.79 | ng    | 96       |
| 67) Hexachlorobenzene          | 16.80 | 284  | 370115   | 42.72 | ng    | 96       |
| 68) Atrazine                   | 16.95 | 200  | 340081   | 45.83 | ng    | 97       |
| 69) Pentachlorophenol          | 17.15 | 266  | 348999   | 75.84 | ng    | 100      |
| 70) Phenanthrene               | 17.54 | 178  | 1426971  | 45.18 | ng    | 99       |
| 71) Anthracene                 | 17.64 | 178  | 1466751  | 45.52 | ng    | 98       |
| 72) Carbazole                  | 17.92 | 167  | 1233758  | 42.20 | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.45 | 149  | 1562158  | 44.78 | ng    | 99       |
| 74) Fluoranthene               | 19.56 | 202  | 1601006  | 42.10 | ng    | 97       |
| 76) Benzidine                  | 19.74 | 184  | 434815   | 29.75 | ng    | 96       |
| 77) Pyrene                     | 19.92 | 202  | 1533222  | 52.82 | ng    | 95       |
| 79) Butylbenzylphthalate       | 20.80 | 149  | 550750   | 49.22 | ng    | 98       |
| 80) Benzo(a)anthracene         | 21.79 | 228  | 1275547  | 48.28 | ng    | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.70 | 252  | 266539   | 25.24 | ng    | # 99     |
| 82) Chrysene                   | 21.86 | 228  | 1193141  | 47.44 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.67 | 149  | 686235   | 44.79 | ng    | 96       |
| 84) Di-n-octyl phthalate       | 22.91 | 149  | 1167376  | 46.46 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 29.01 | 276  | 1464098  | 52.58 | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 24.10 | 252  | 1291816  | 47.87 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 24.17 | 252  | 1270354  | 47.47 | ng    | # 99     |
| 89) Benzo(a)pyrene             | 25.01 | 252  | 1247234  | 48.67 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 29.06 | 278  | 1216640  | 48.27 | ng    | # 95     |
| 91) Benzo(g,h,i)perylene       | 30.21 | 276  | 1217871  | 50.25 | ng    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.06 min Scan# 889

Delta R.T. -0.04 min

Lab File: BG023979.D

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Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

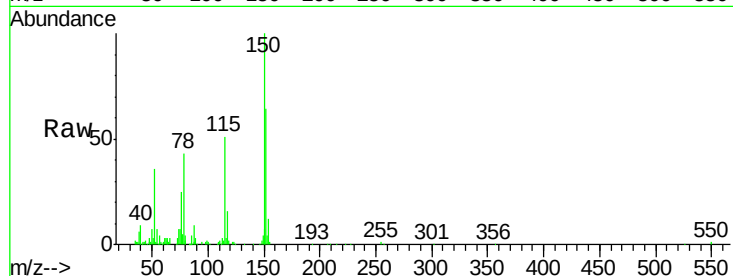
Tgt Ion:152 Resp: 62382

Ion Ratio Lower Upper

152 100

150 155.1 144.7 217.1

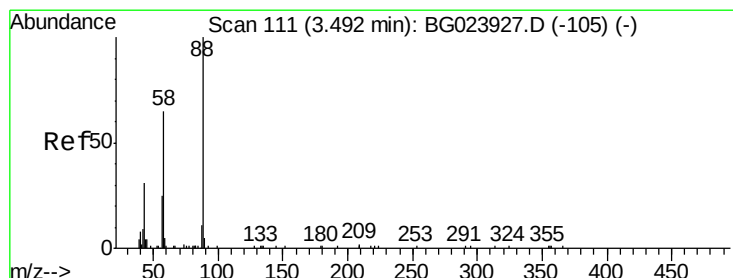
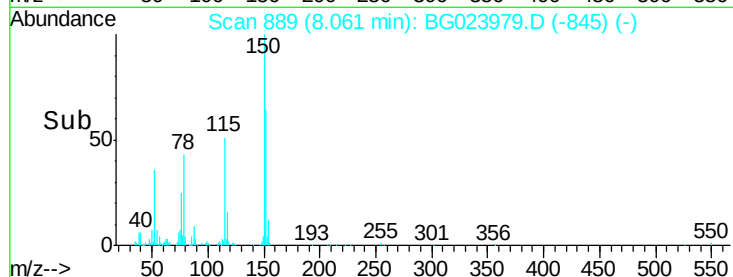
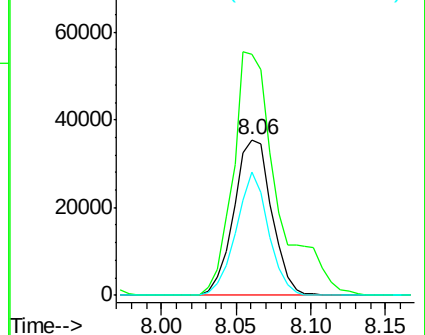
115 79.0 64.0 96.0



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: 30.63 ng

RT: 3.47 min Scan# 108

Delta R.T. -0.02 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

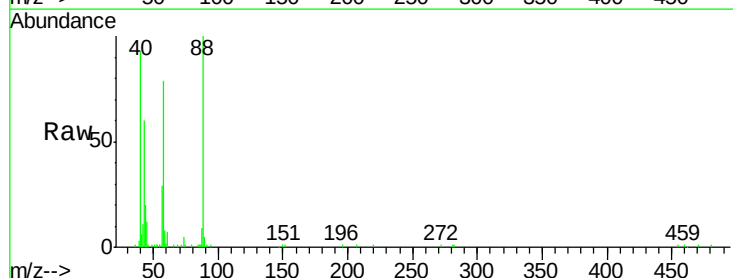
Tgt Ion: 88 Resp: 44886

Ion Ratio Lower Upper

88 100

58 80.2 60.4 90.6

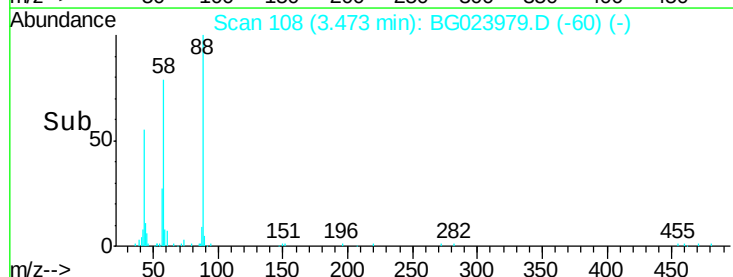
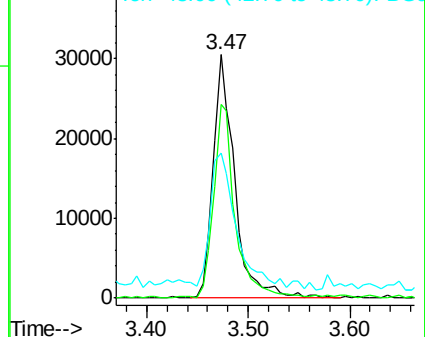
43 66.3 31.1 46.7#

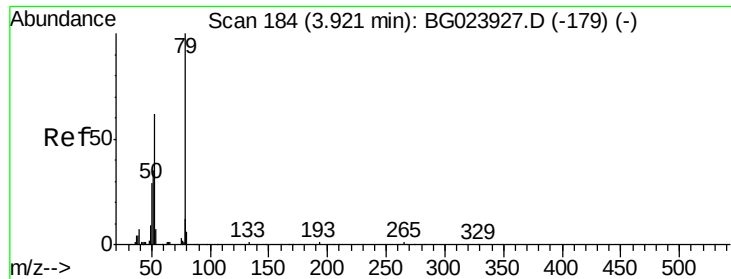


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 33.89 ng

RT: 3.90 min Scan# 180

Delta R.T. -0.01 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

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SOIL-CUTTINGSMS

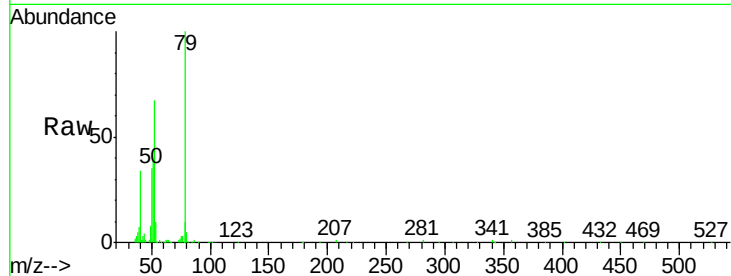
Tgt Ion: 79 Resp: 149236

Ion Ratio Lower Upper

79 100

52 67.4 51.8 77.8

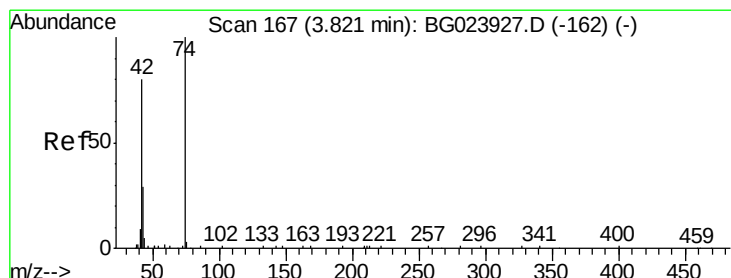
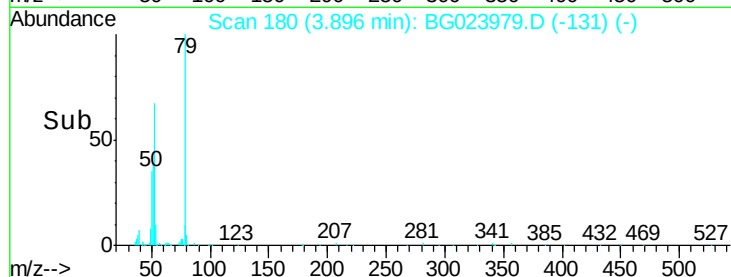
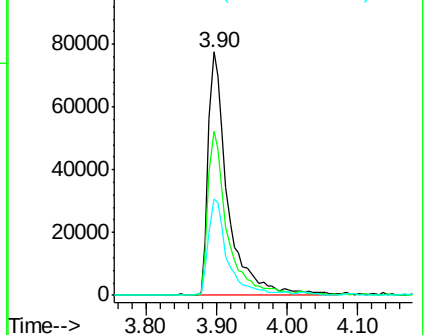
51 39.4 32.7 49.1



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 44.74 ng

RT: 3.80 min Scan# 163

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

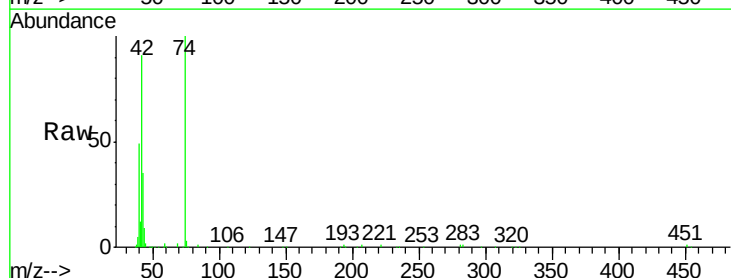
Tgt Ion: 42 Resp: 103853

Ion Ratio Lower Upper

42 100

74 110.4 100.6 150.8

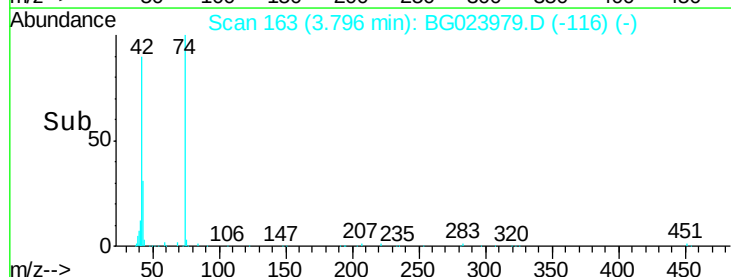
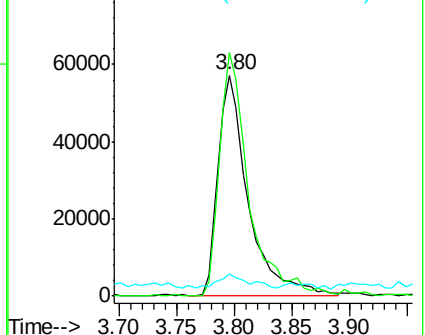
44 10.1 4.5 6.7#

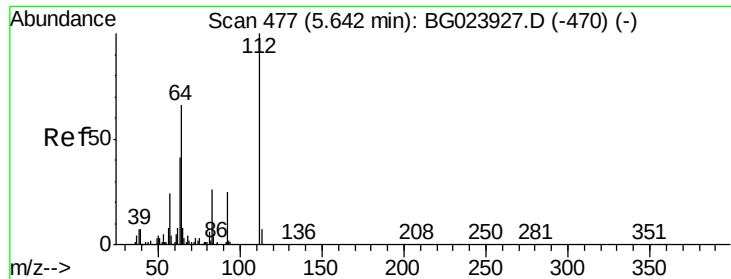


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 131.12 ng

RT: 5.62 min Scan# 473

Delta R.T. -0.03 min

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Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

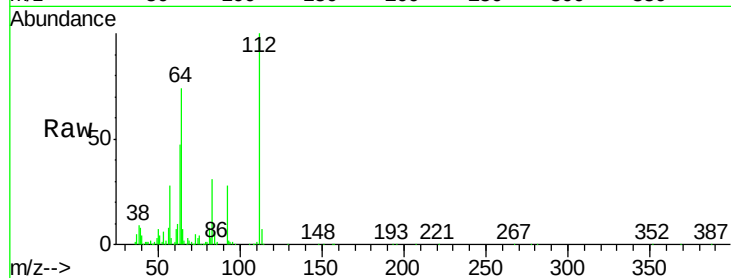
Tgt Ion:112 Resp: 465904

Ion Ratio Lower Upper

112 100

64 74.4 59.0 88.4

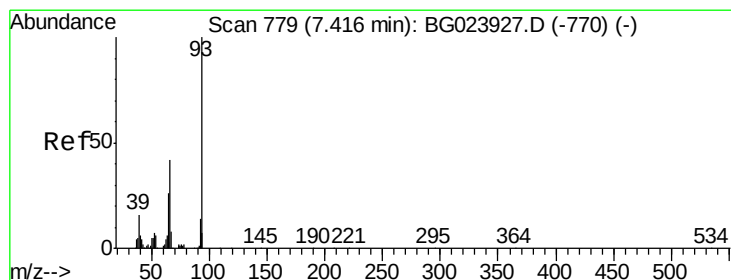
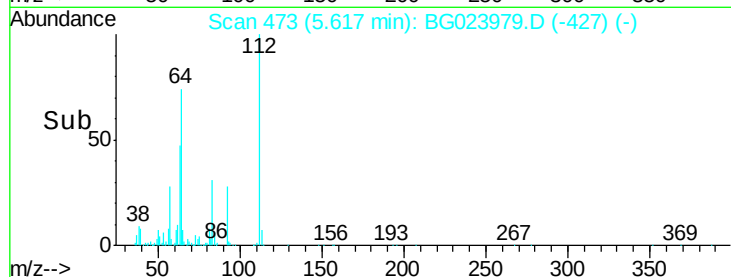
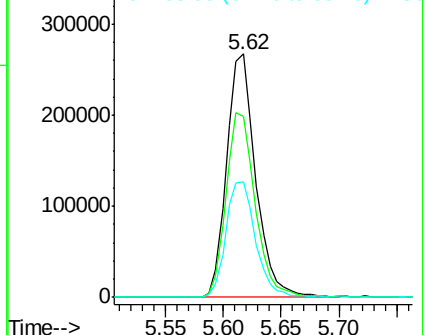
63 47.5 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 30.78 ng

RT: 7.39 min Scan# 775

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

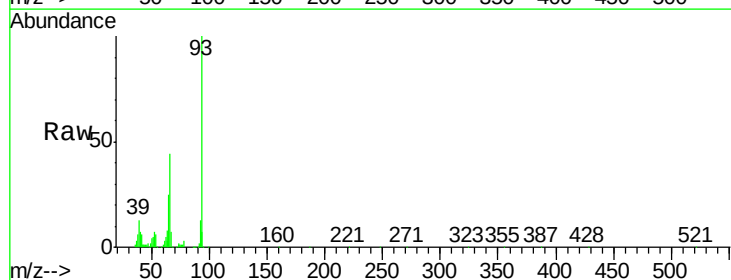
Tgt Ion: 93 Resp: 223477

Ion Ratio Lower Upper

93 100

66 44.1 37.5 56.3

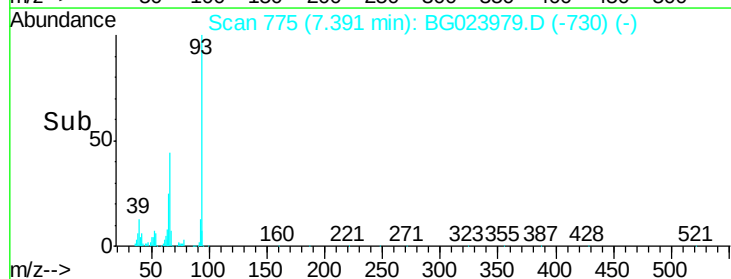
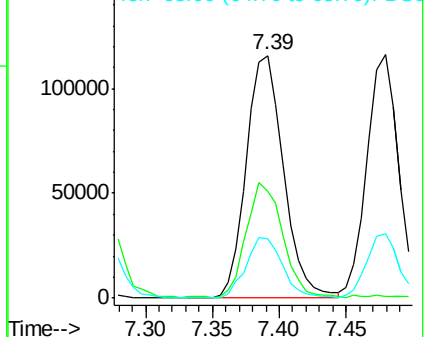
65 24.5 17.9 26.9

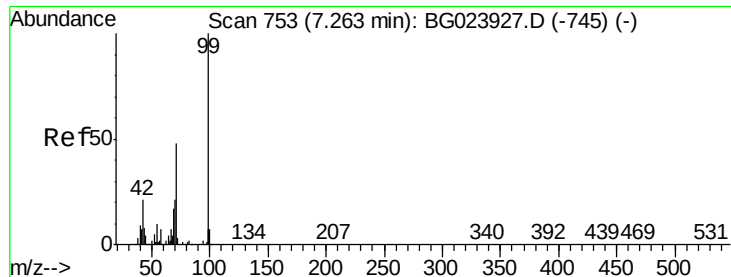


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 128.11 ng

RT: 7.24 min Scan# 749

Delta R.T. -0.04 min

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Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

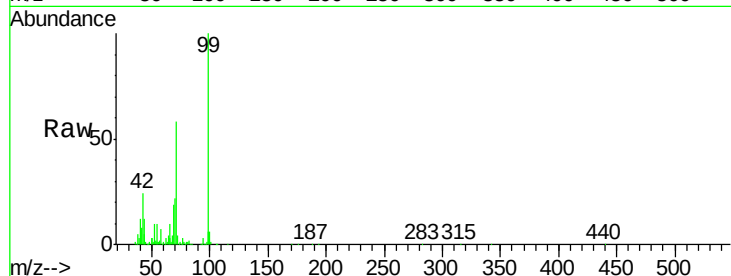
Tgt Ion: 99 Resp: 700714

Ion Ratio Lower Upper

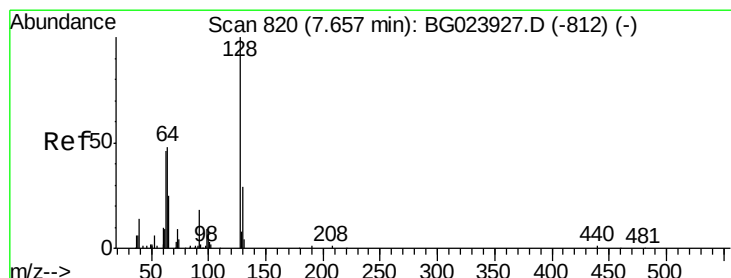
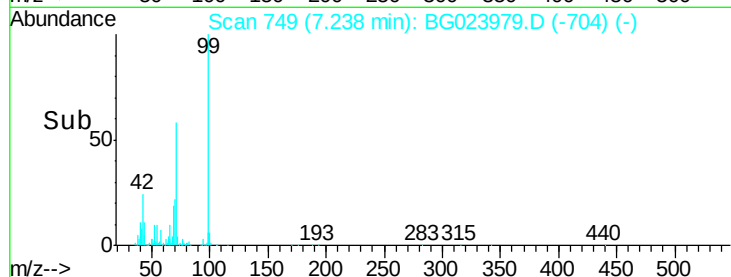
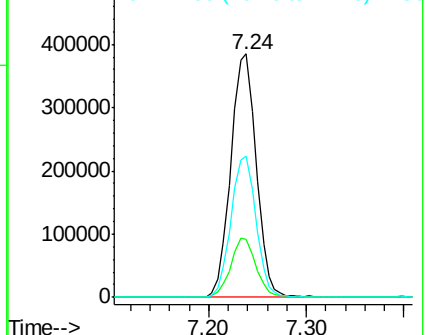
99 100

42 23.8 17.8 26.6

71 58.2 41.5 62.3



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



#8

2-Chlorophenol

Concen: 44.77 ng

RT: 7.63 min Scan# 816

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

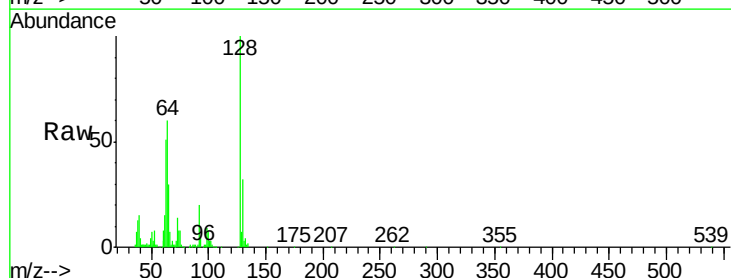
Tgt Ion: 128 Resp: 184309

Ion Ratio Lower Upper

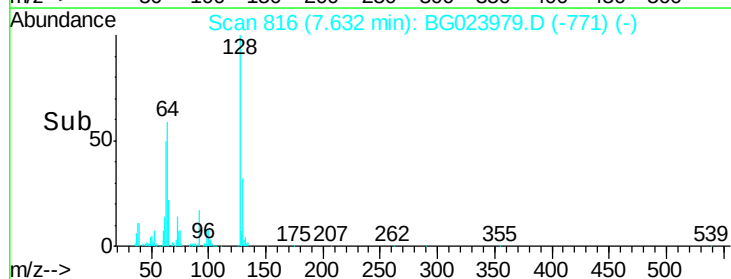
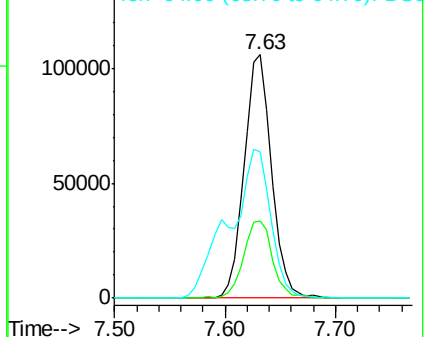
128 100

130 31.6 12.9 52.9

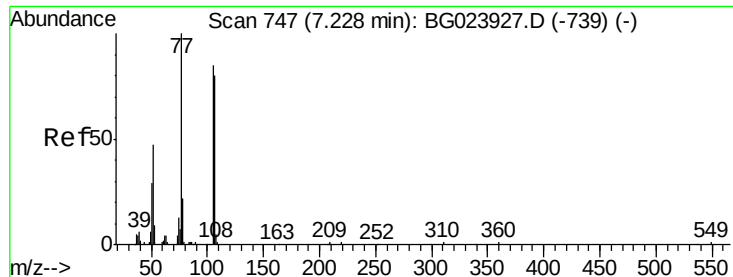
64 60.0 42.0 82.0



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







#9

Benzaldehyde

Concen: 7.67 ng

RT: 7.20 min Scan# 743

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

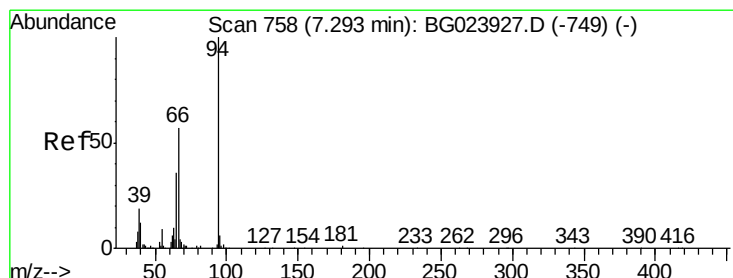
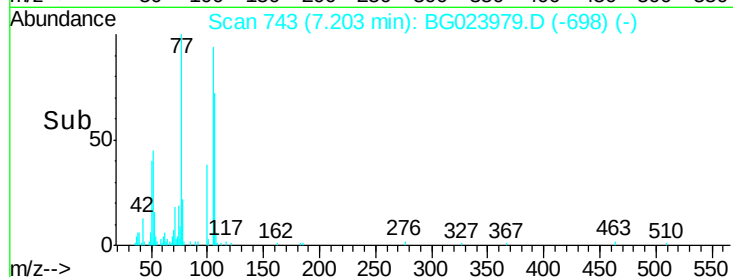
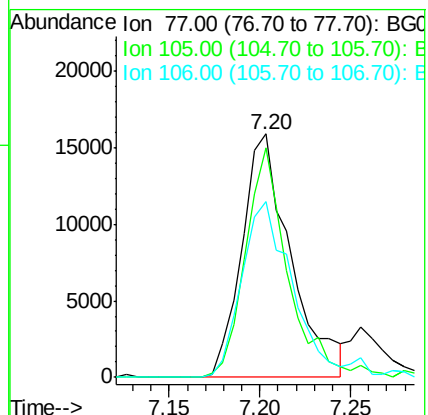
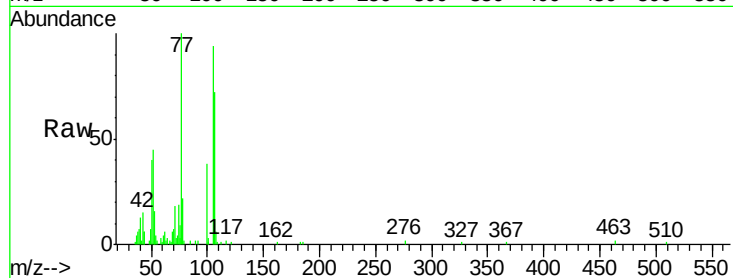
Tgt Ion: 77 Resp: 29818

Ion Ratio Lower Upper

77 100

105 94.5 58.7 98.7

106 72.0 67.5 107.5



#10

Phenol

Concen: 43.36 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

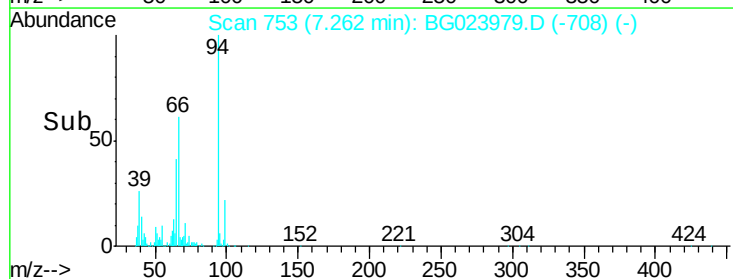
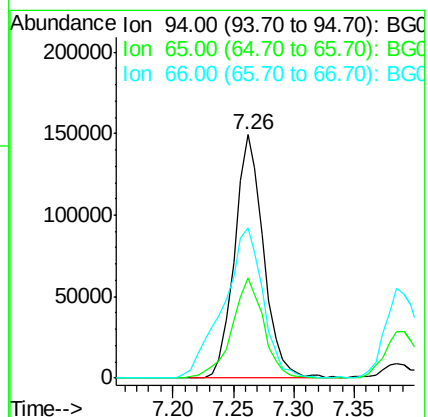
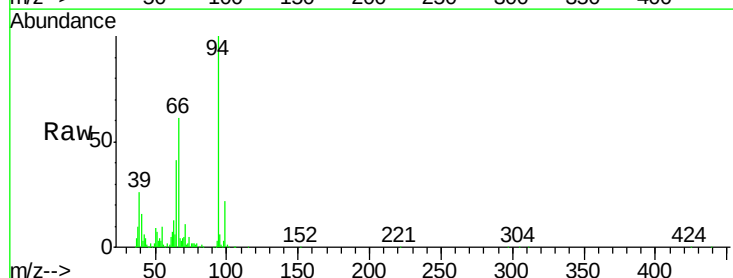
Tgt Ion: 94 Resp: 249522

Ion Ratio Lower Upper

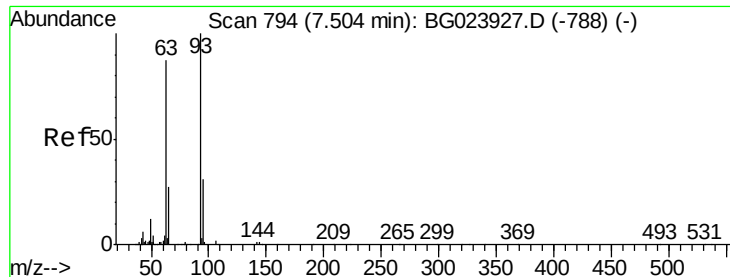
94 100

65 41.3 18.1 58.1

66 61.5 42.1 82.1



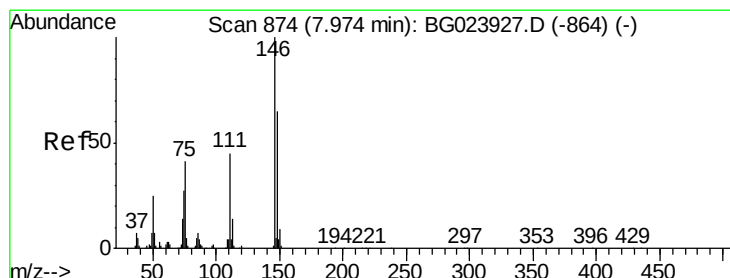
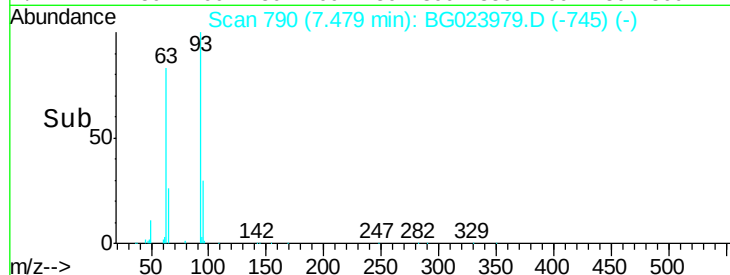
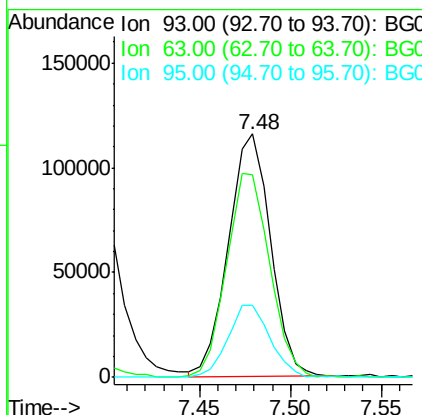
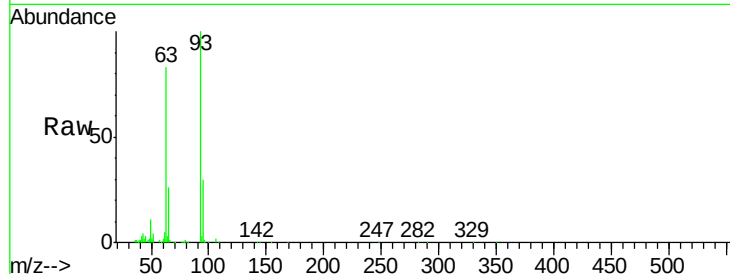




#11  
bis(2-Chloroethyl)ether  
Concen: 41.24 ng  
RT: 7.48 min Scan# 790  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

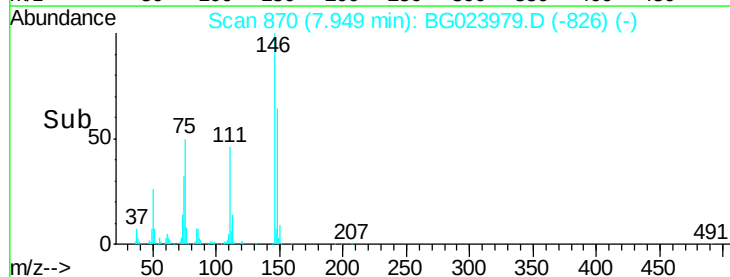
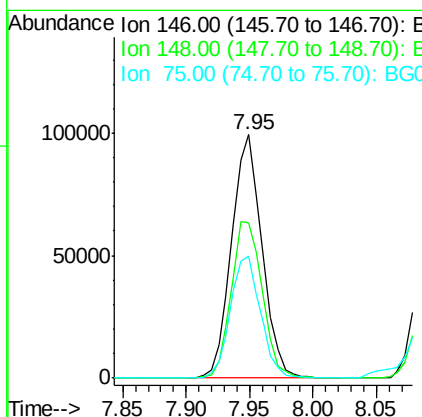
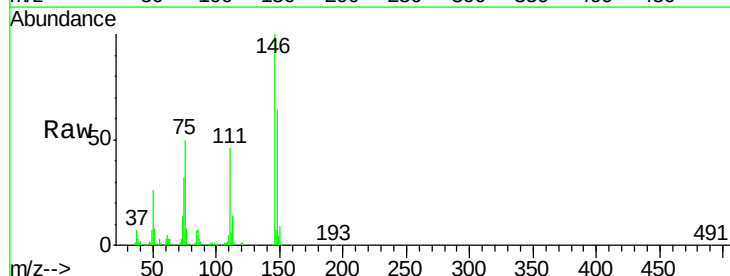
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

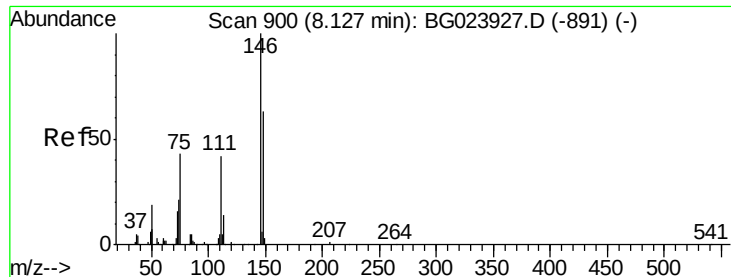
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 83.1  | 55.0  | 95.0  |
| 95      | 29.8  | 11.0  | 51.0  |



#12  
1,3-Dichlorobenzene  
Concen: 34.21 ng  
RT: 7.95 min Scan# 870  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.6  | 50.3  | 75.5  |
| 75      | 50.0  | 37.0  | 55.6  |

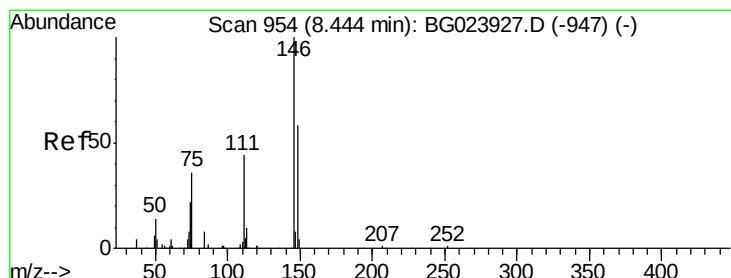
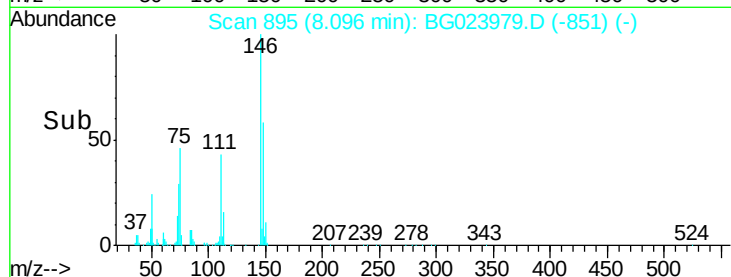
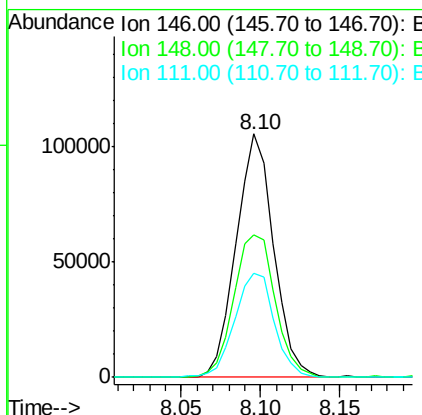
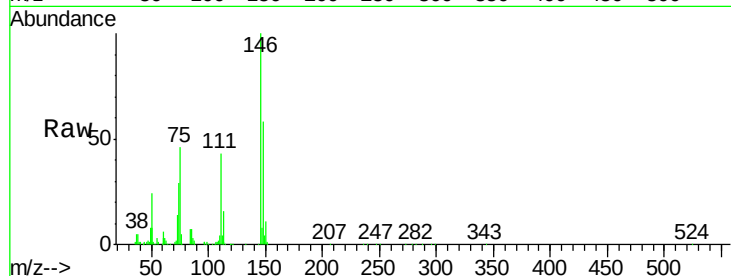




#13  
 1,4-Dichlorobenzene  
 Concen: 34.02 ng  
 RT: 8.10 min Scan# 895  
 Delta R.T. -0.04 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

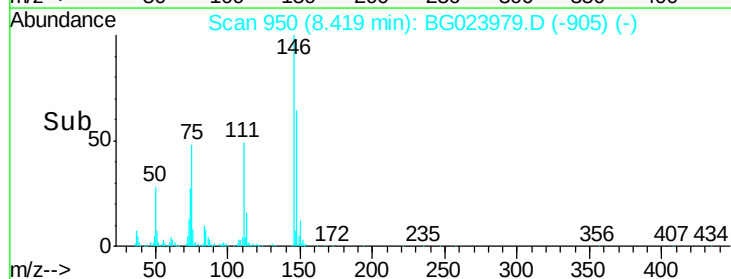
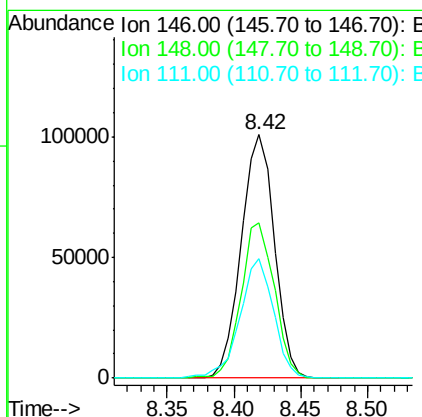
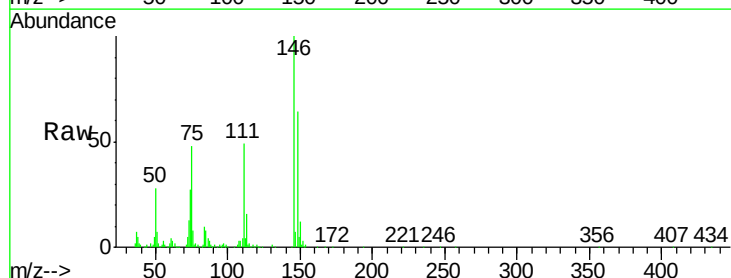
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-CUTTINGSMS

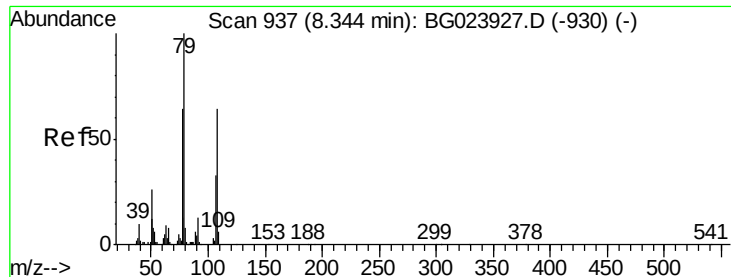
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 58.3  | 54.5  | 81.7  |
| 111     | 42.5  | 37.8  | 56.8  |



#14  
 1,2-Dichlorobenzene  
 Concen: 36.24 ng  
 RT: 8.42 min Scan# 950  
 Delta R.T. -0.04 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.9  | 52.9  | 79.3  |
| 111     | 48.9  | 43.5  | 65.3  |





#15

Benzyl Alcohol

Concen: 55.13 ng

RT: 8.31 min Scan# 932

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

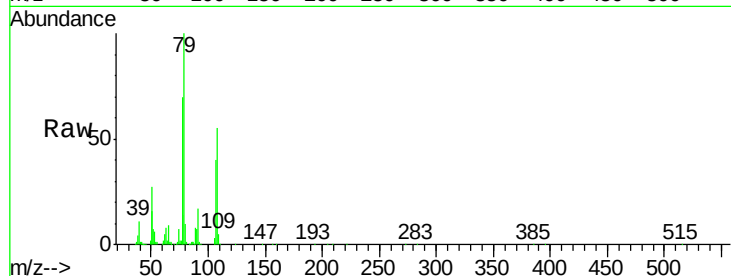
Tgt Ion: 79 Resp: 265852

Ion Ratio Lower Upper

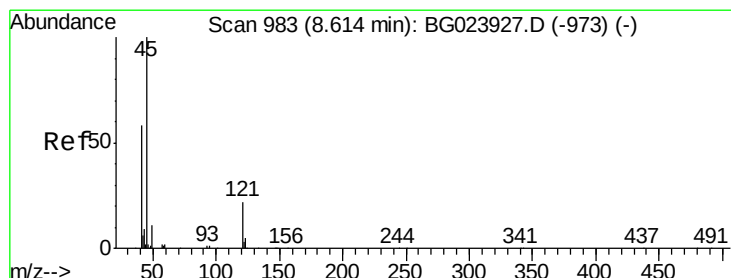
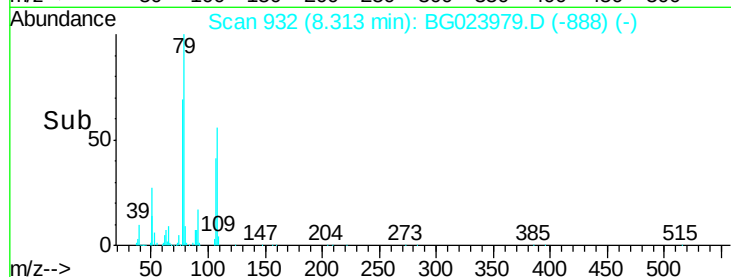
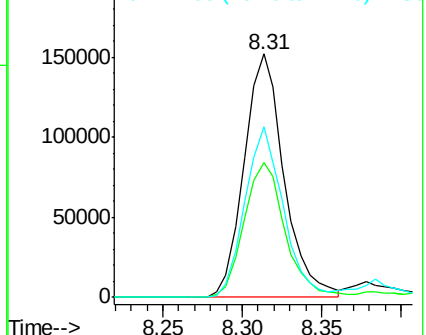
79 100

108 55.3 46.5 69.7

77 69.9 52.3 78.5



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.52 ng

RT: 8.60 min Scan# 980

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

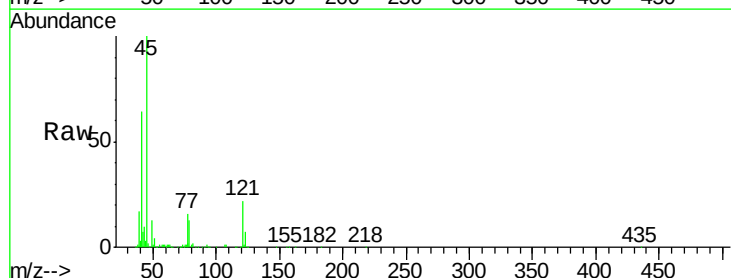
Tgt Ion: 45 Resp: 245849

Ion Ratio Lower Upper

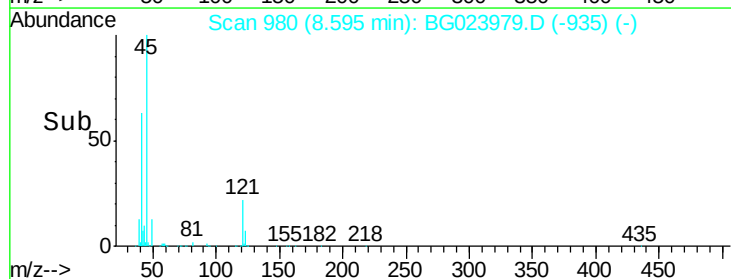
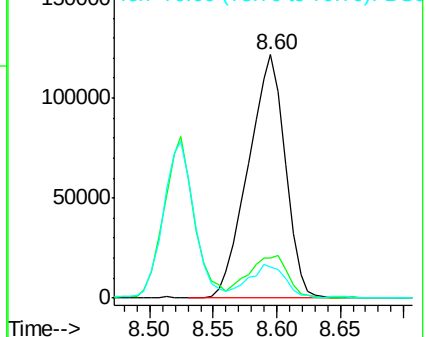
45 100

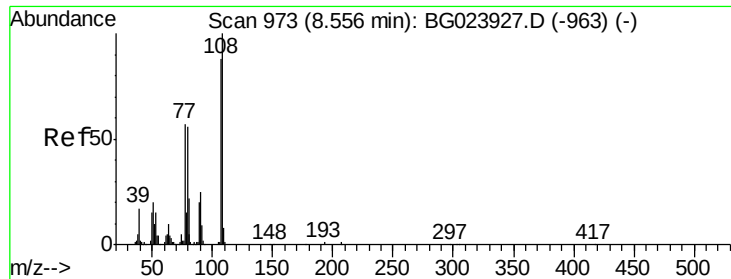
77 16.2 0.6 40.6

79 12.9 0.0 36.2



Abundance Ion 45.00 (44.70 to 45.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

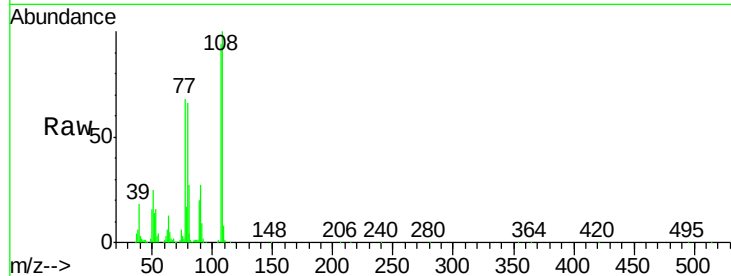




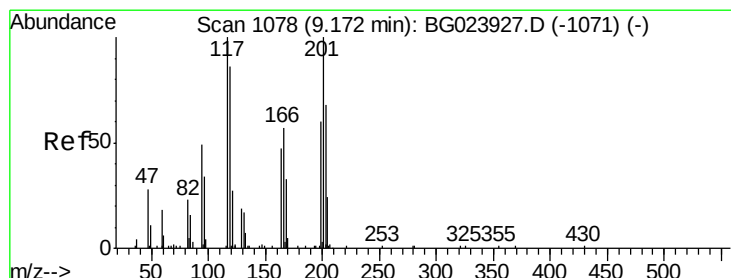
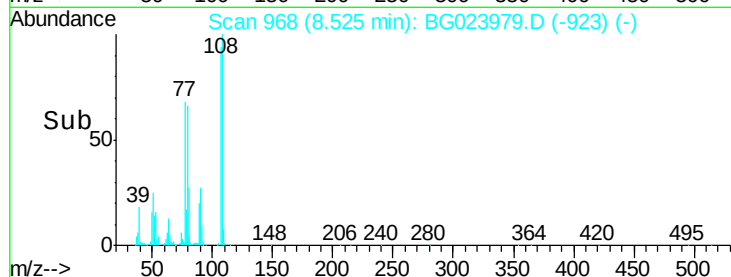
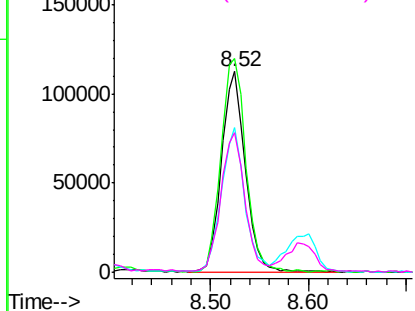
#17  
2-Methylphenol  
Concen: 49.21 ng  
RT: 8.52 min Scan# 968  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 190763 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 106.6 | 92.0  | 138.0  |
| 77       | 72.2  | 55.8  | 83.6   |
| 79       | 69.9  | 55.0  | 82.6   |

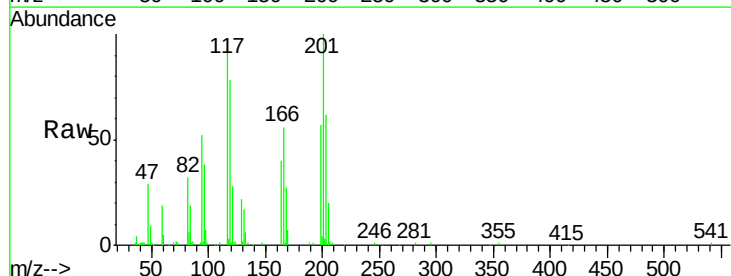


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

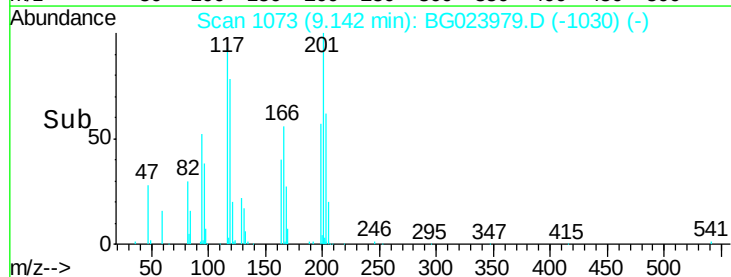
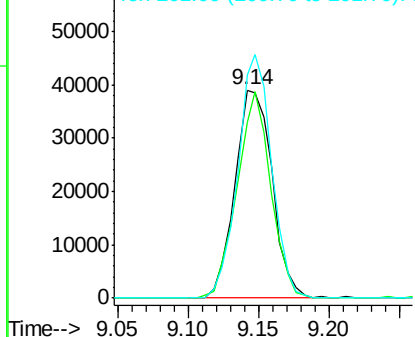


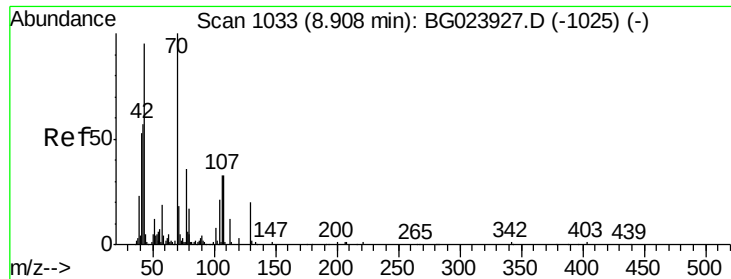
#18  
Hexachloroethane  
Concen: 36.58 ng  
RT: 9.14 min Scan# 1073  
Delta R.T. -0.05 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 71886 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 84.2  | 73.7  | 110.5 |
| 201      | 107.2 | 88.7  | 133.1 |



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

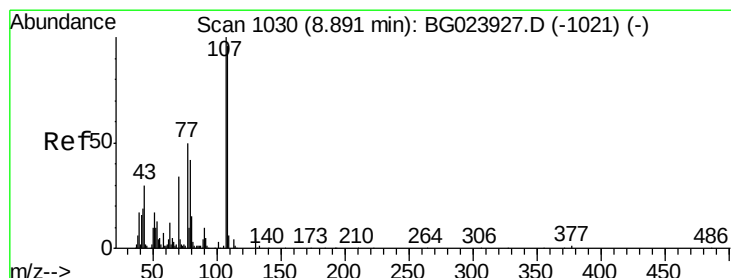
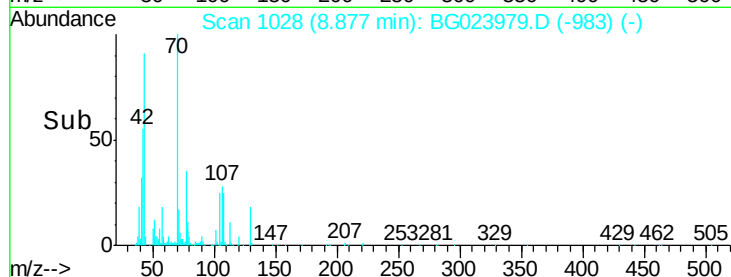
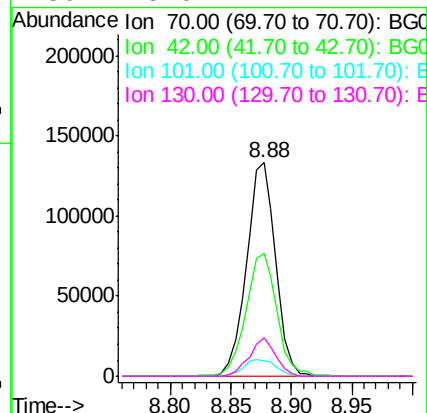
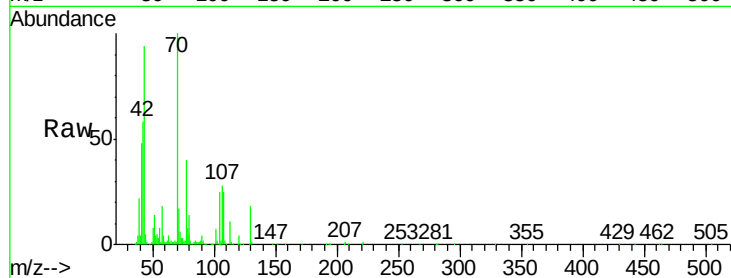




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.91 ng  
RT: 8.88 min Scan# 1028  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

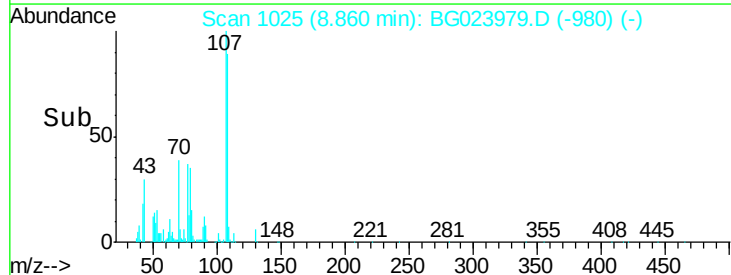
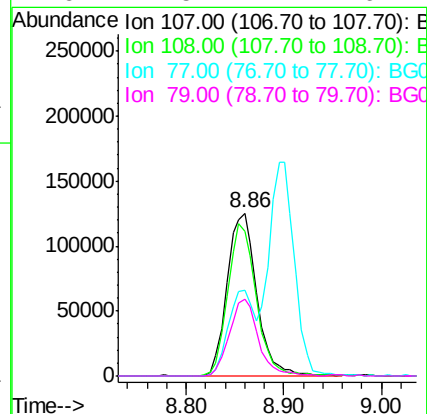
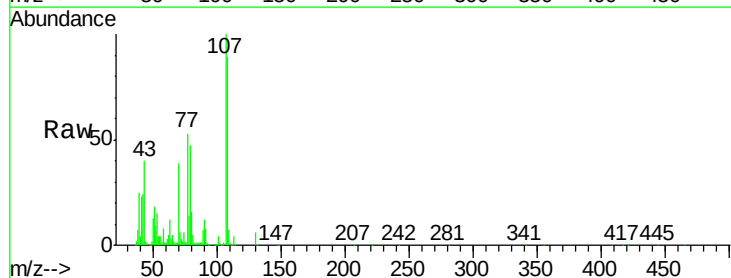
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

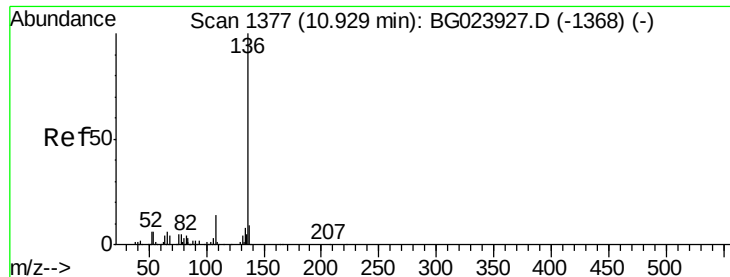
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 221825 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 57.6  | 42.1  | 63.1   |
| 101      | 7.4   | 7.2   | 10.8   |
| 130      | 18.0  | 14.2  | 21.2   |



#20  
3+4-Methylphenols  
Concen: 48.86 ng  
RT: 8.86 min Scan# 1025  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 263940 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.7  | 72.5  | 112.5  |
| 77       | 52.9  | 30.1  | 70.1   |
| 79       | 47.5  | 24.2  | 64.2   |

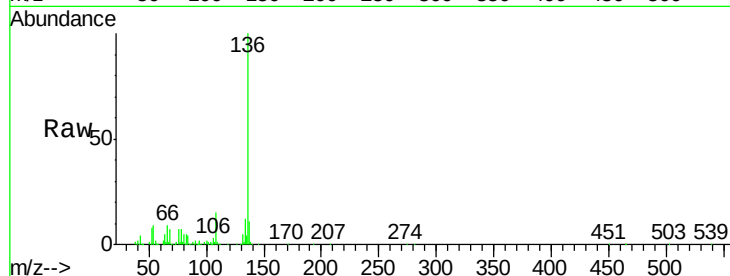




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.89 min Scan# 1371  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 296466 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 9.6   | 14.4   |
| 54       | 8.9   | 7.3   | 10.9   |
| 68       | 7.1   | 5.3   | 7.9    |



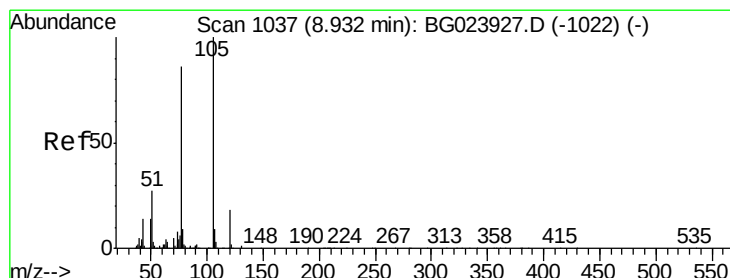
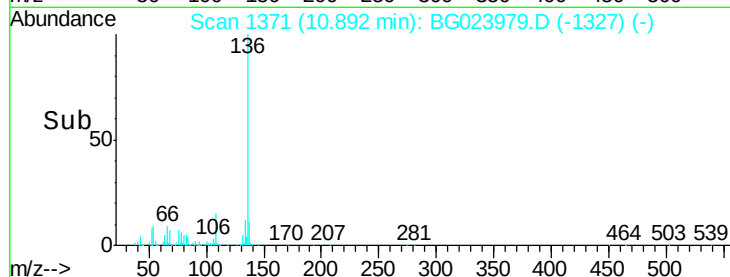
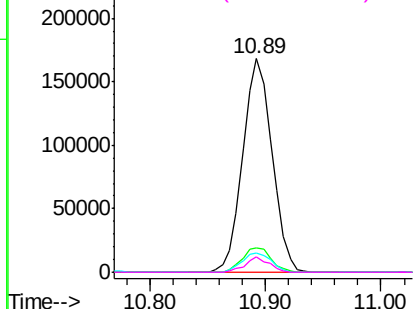
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

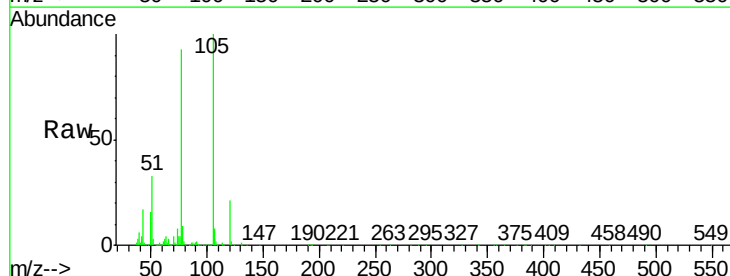
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22  
Acetophenone  
Concen: 40.75 ng  
RT: 8.90 min Scan# 1032  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 312760 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.8   | 2.6   | 3.8#   |
| 51       | 33.0  | 27.1  | 40.7   |
| 120      | 20.7  | 15.1  | 22.7   |



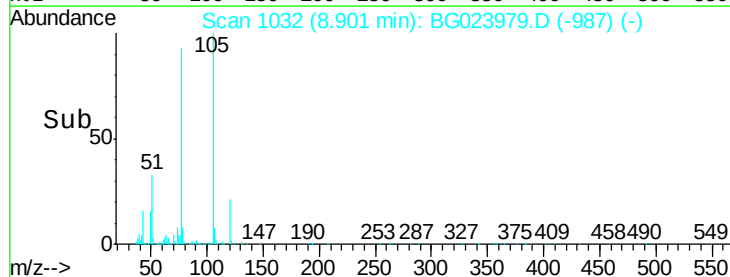
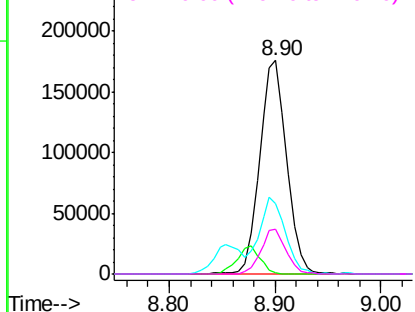
Abundance

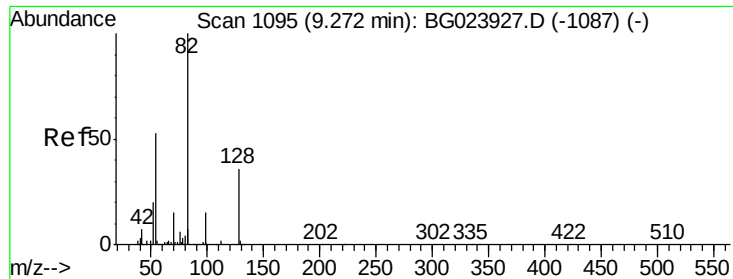
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

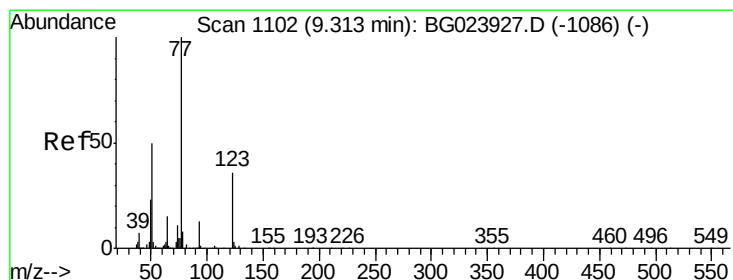
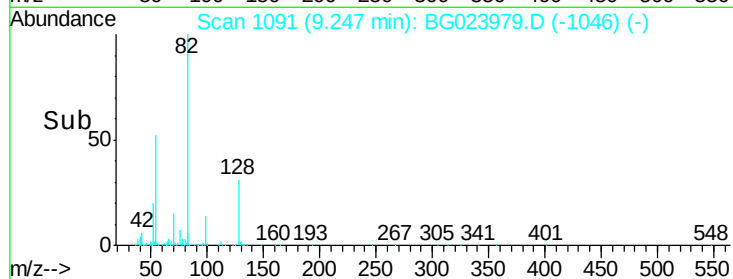
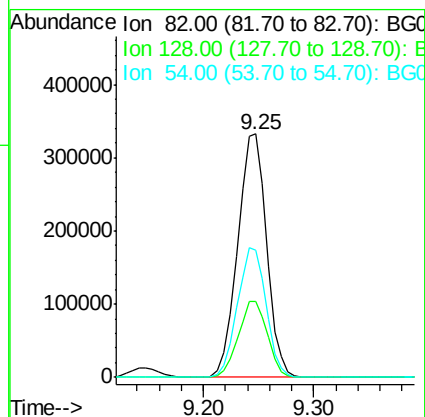
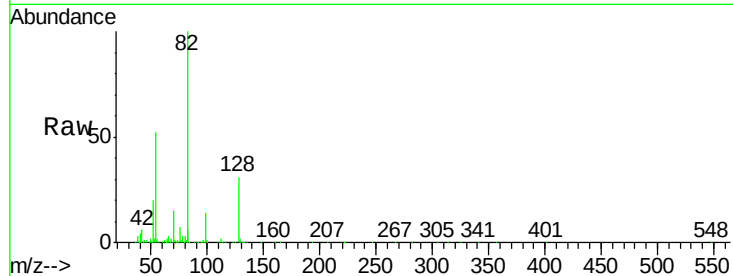




#23  
Nitrobenzene-d5  
Concen: 92.23 ng  
RT: 9.25 min Scan# 1091  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

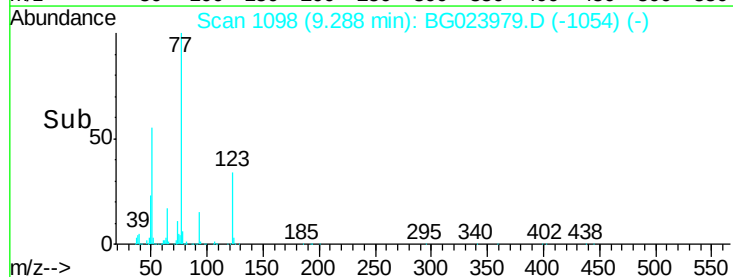
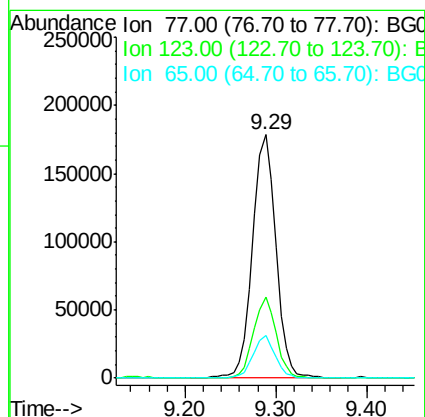
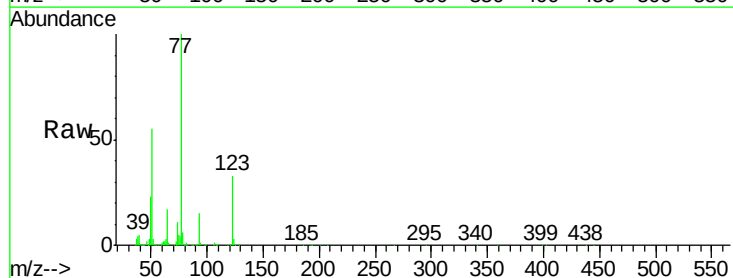
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 31.3  | 24.4  | 36.6  |
| 54      | 52.2  | 41.4  | 62.0  |

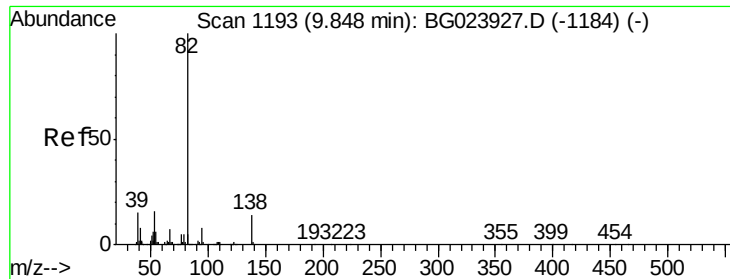


#24  
Nitrobenzene  
Concen: 44.87 ng  
RT: 9.29 min Scan# 1098  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 33.5  | 25.0  | 37.6  |
| 65      | 17.3  | 13.4  | 20.0  |







#25

Isophorone

Concen: 47.59 ng

RT: 9.81 min Scan# 1187

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

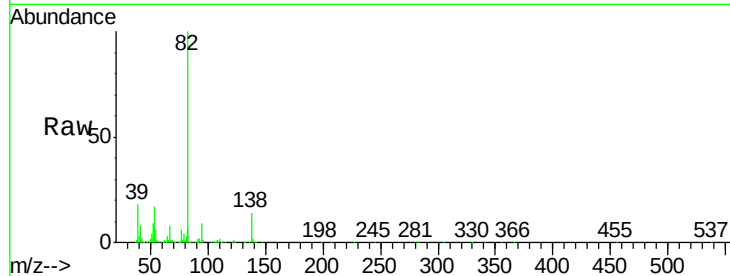
Tgt Ion: 82 Resp: 612843

Ion Ratio Lower Upper

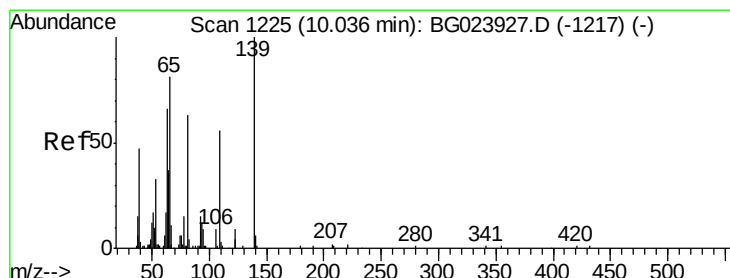
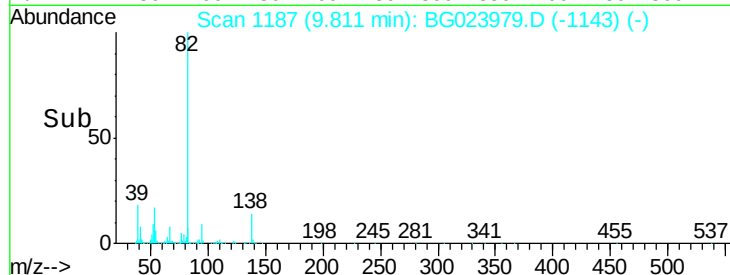
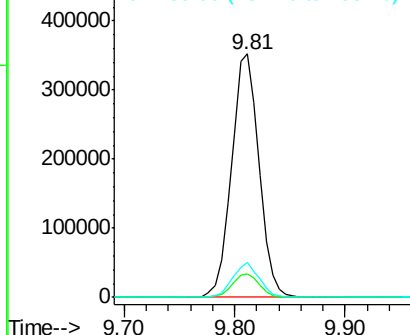
82 100

95 9.4 8.2 12.2

138 14.2 10.7 16.1



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



#26

2-Nitrophenol

Concen: 46.39 ng

RT: 10.01 min Scan# 1220

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

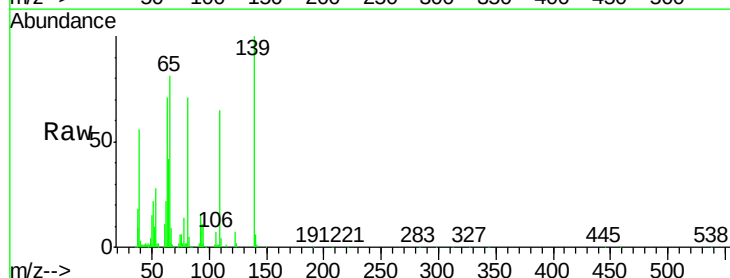
Tgt Ion: 139 Resp: 125942

Ion Ratio Lower Upper

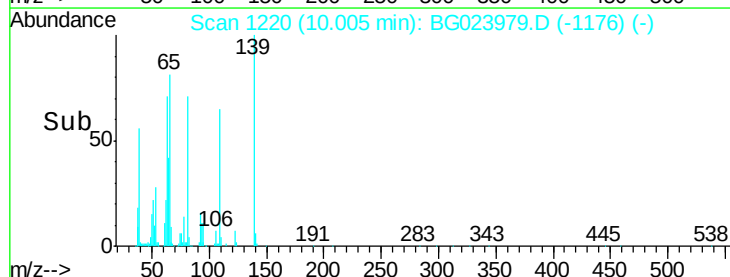
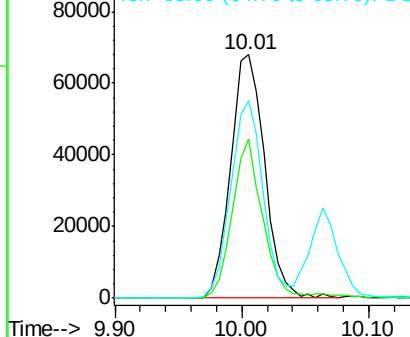
139 100

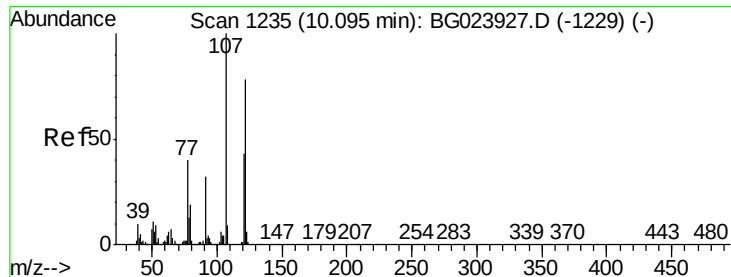
109 65.5 43.5 65.3#

65 80.9 64.3 96.5



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

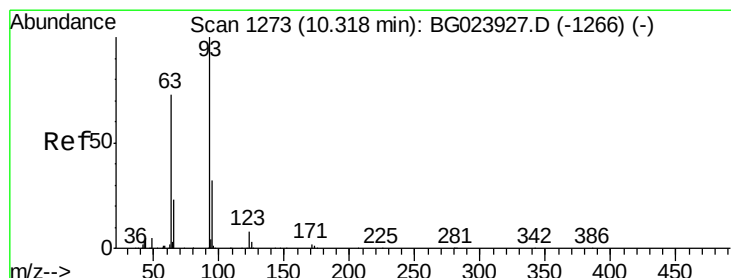
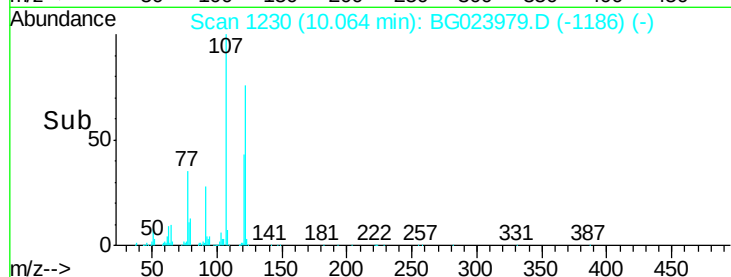
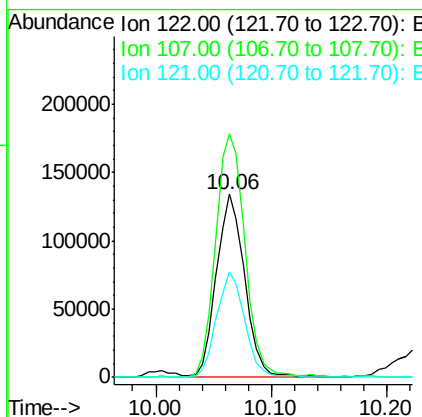
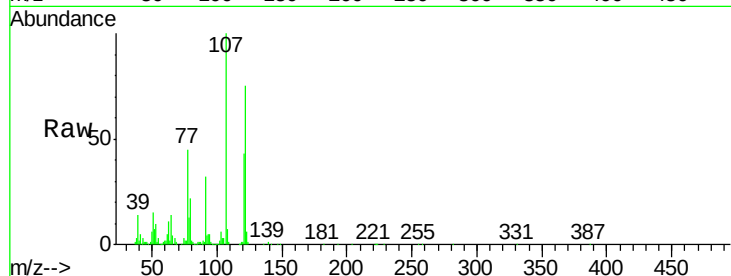




#27  
2,4-Dimethylphenol  
Concen: 48.88 ng  
RT: 10.06 min Scan# 1230  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

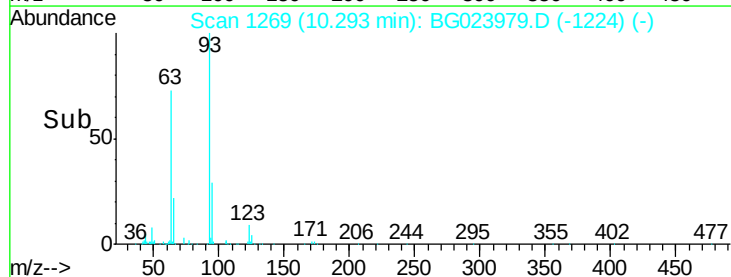
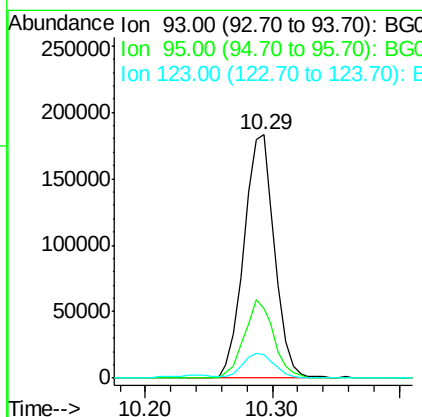
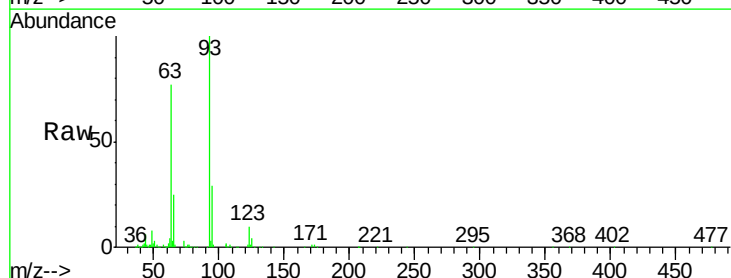
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

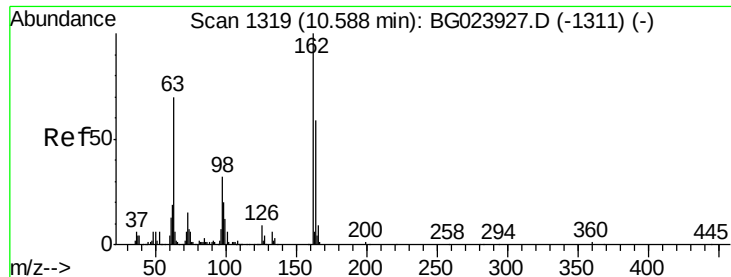
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 132.9 | 117.0 | 175.4 |
| 121     | 57.2  | 50.1  | 75.1  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 47.05 ng  
RT: 10.29 min Scan# 1269  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 28.5  | 25.4  | 38.2  |
| 123     | 9.6   | 8.2   | 12.2  |

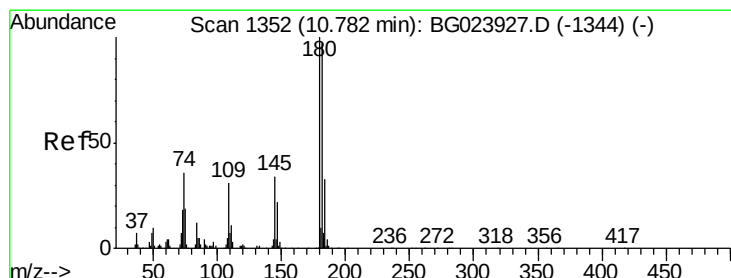
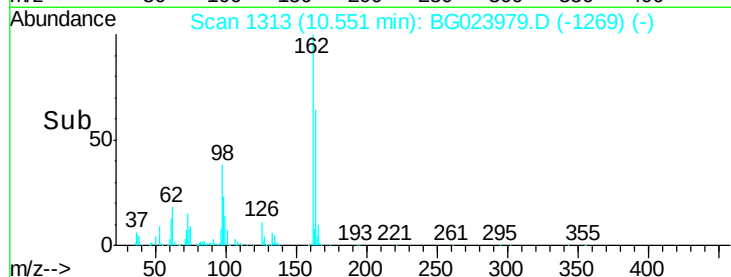
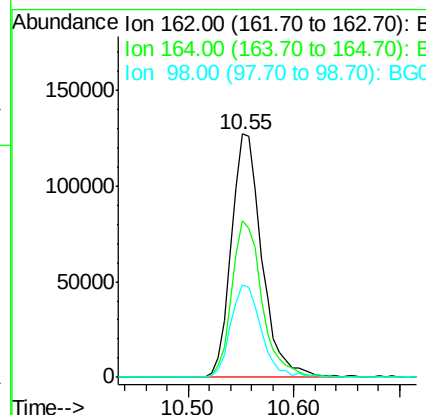
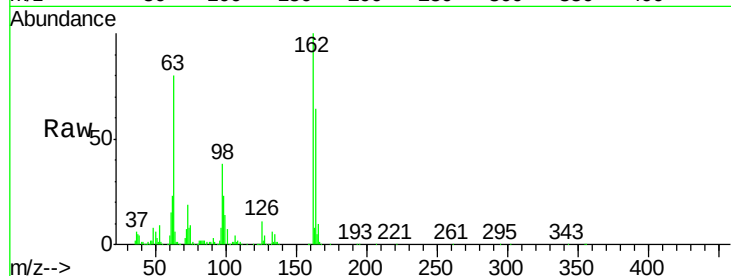




#29  
2,4-Dichlorophenol  
Concen: 51.87 ng  
RT: 10.55 min Scan# 1313  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

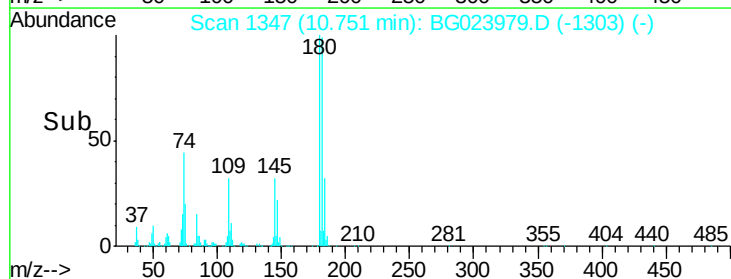
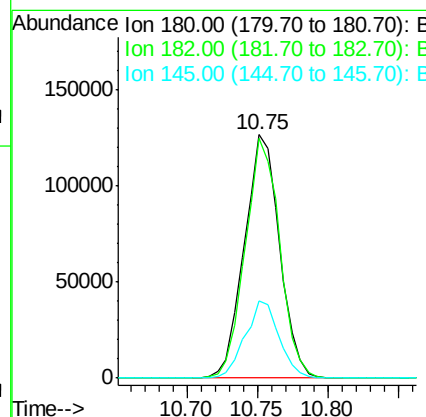
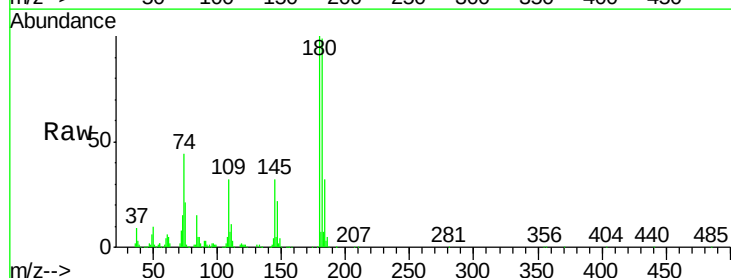
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

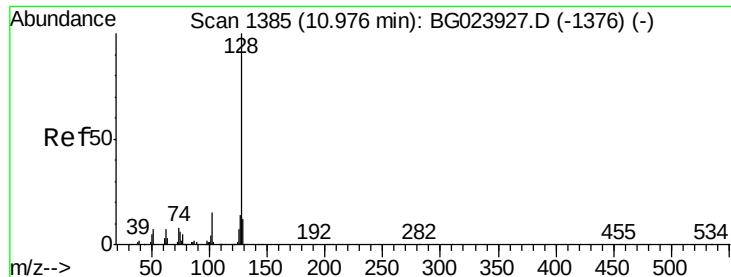
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.2  | 44.3  | 84.3  |
| 98      | 37.8  | 19.5  | 59.5  |



#30  
1,2,4-Trichlorobenzene  
Concen: 41.20 ng  
RT: 10.75 min Scan# 1347  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.5  | 73.8  | 110.8 |
| 145     | 31.6  | 24.4  | 36.6  |

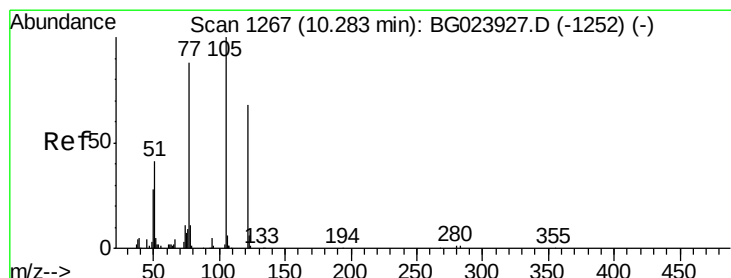
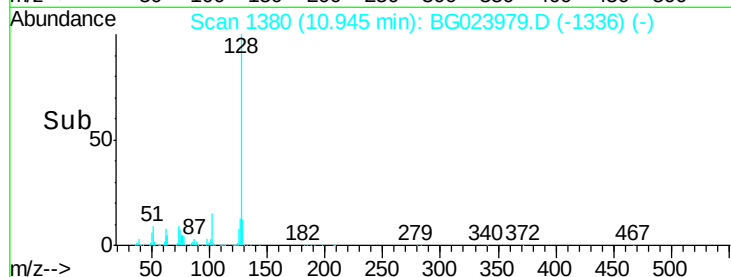
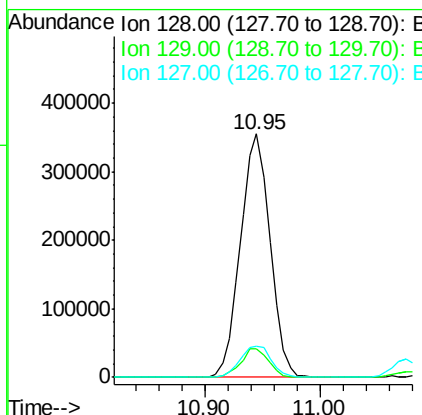
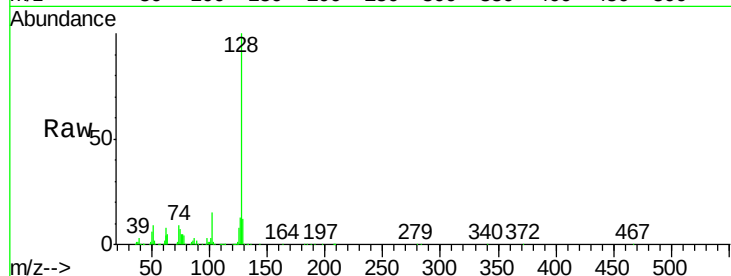




#31  
Naphthalene  
Concen: 41.38 ng  
RT: 10.95 min Scan# 1380  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

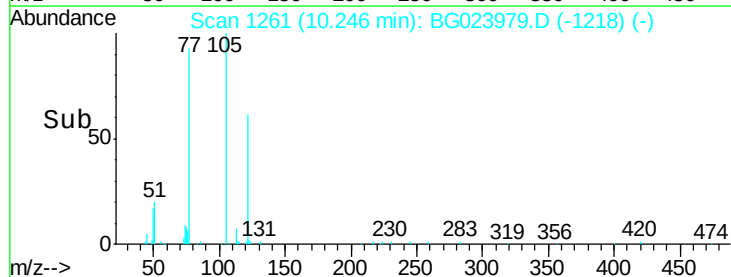
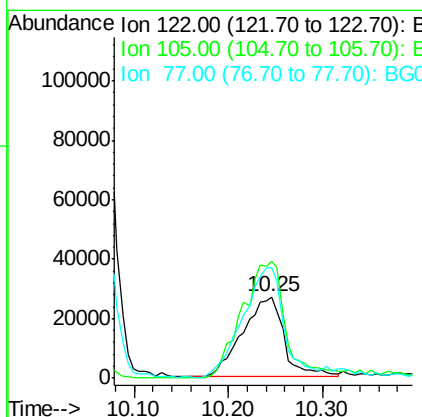
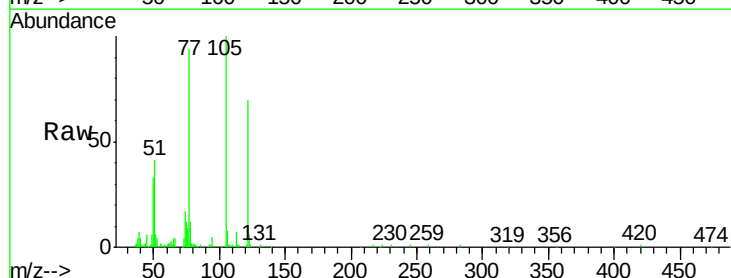
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

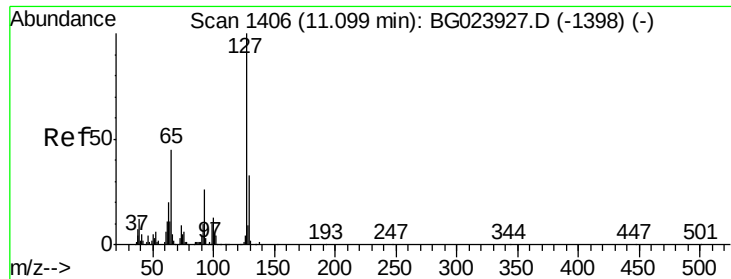
Tgt Ion:128 Resp: 632189  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.4 14.0  
127 12.9 11.3 16.9



#32  
Benzoic acid  
Concen: 22.18 ng  
RT: 10.25 min Scan# 1261  
Delta R.T. -0.05 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

Tgt Ion:122 Resp: 83119  
Ion Ratio Lower Upper  
122 100  
105 143.5 117.2 157.2  
77 135.2 109.2 149.2

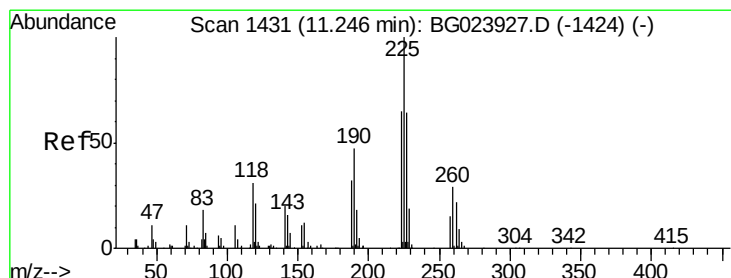
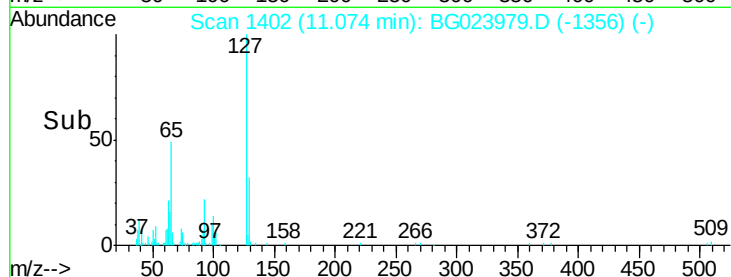
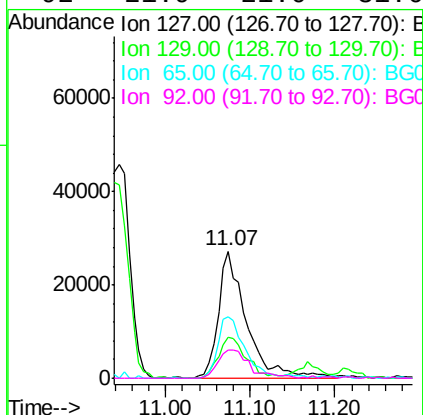
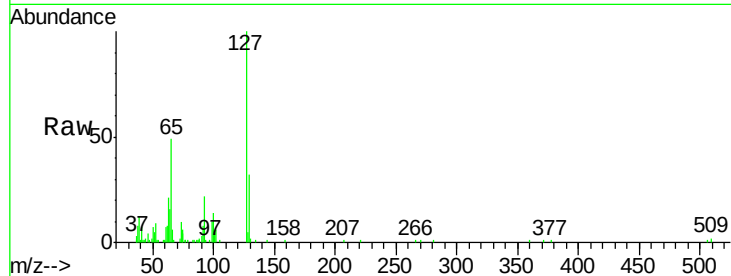




#33  
4-Chloroaniline  
Concen: 9.84 ng  
RT: 11.07 min Scan# 1402  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

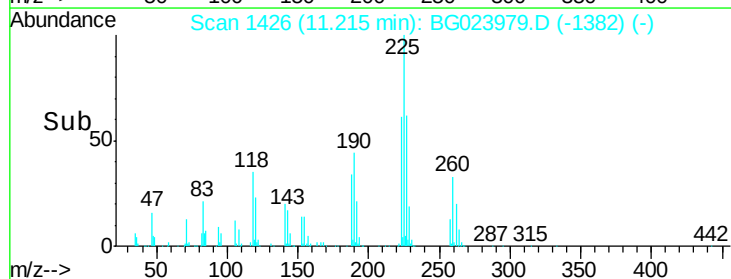
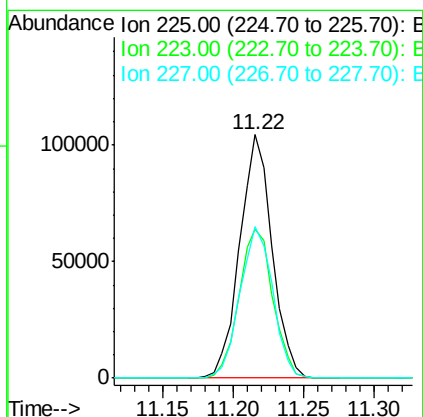
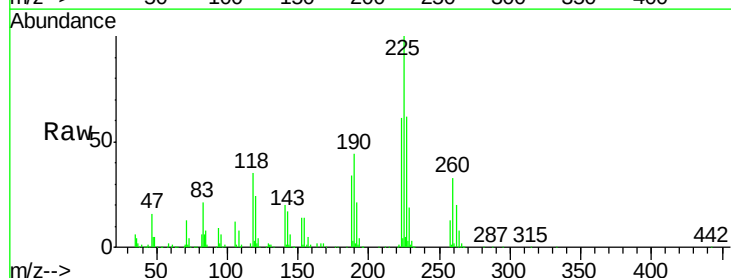
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

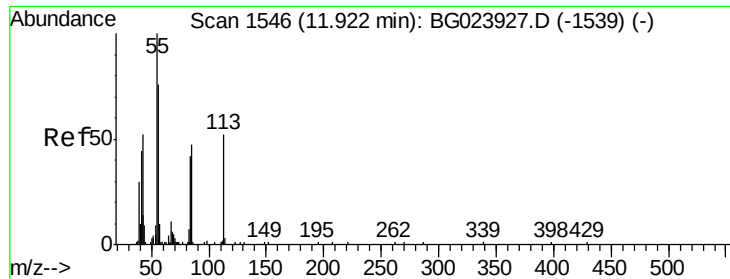
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 62783 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.5  | 27.9  | 41.9  |
| 65       | 48.9  | 36.8  | 55.2  |
| 92       | 21.9  | 21.0  | 31.6  |



#34  
Hexachlorobutadiene  
Concen: 41.57 ng  
RT: 11.22 min Scan# 1426  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 167402 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.3  | 49.6  | 74.4   |
| 227      | 62.0  | 54.5  | 81.7   |





#35

Caprolactam

Concen: 41.59 ng m

RT: 11.88 min Scan# 1540

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

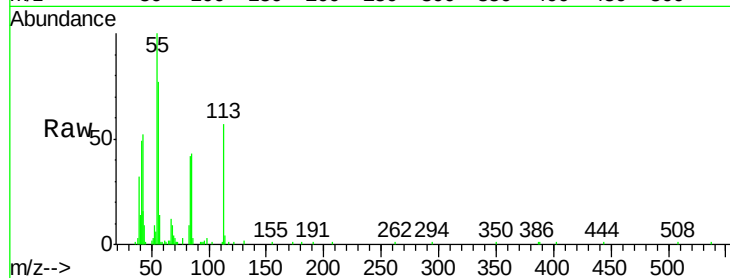
Tgt Ion:113 Resp: 71645

Ion Ratio Lower Upper

113 100

55 174.9 154.5 194.5

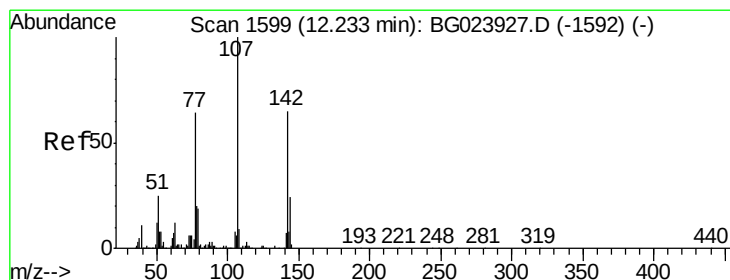
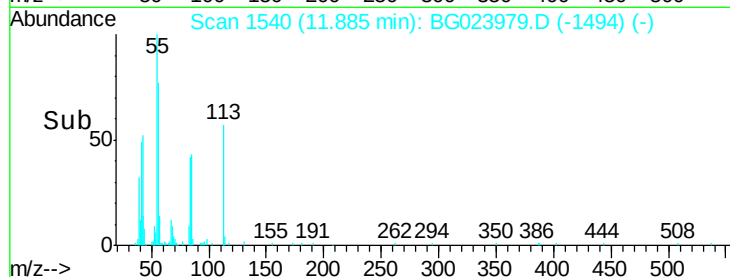
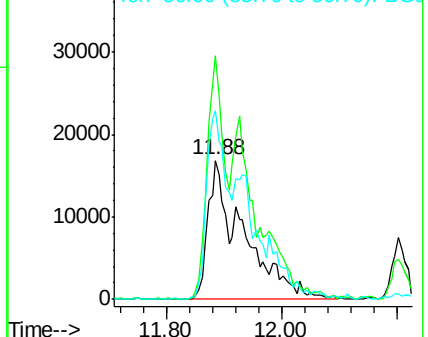
56 135.0 125.1 165.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 49.07 ng

RT: 12.20 min Scan# 1594

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

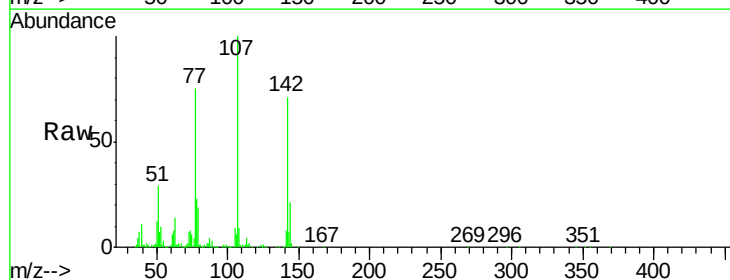
Tgt Ion:107 Resp: 320508

Ion Ratio Lower Upper

107 100

144 21.3 17.0 25.6

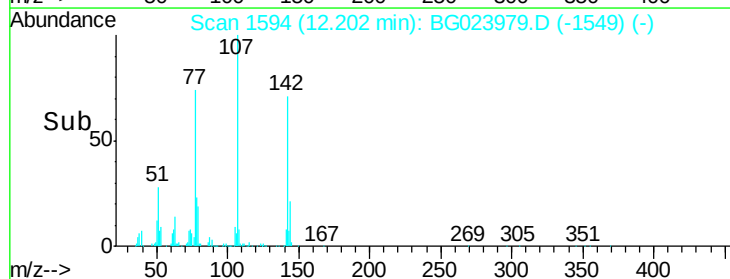
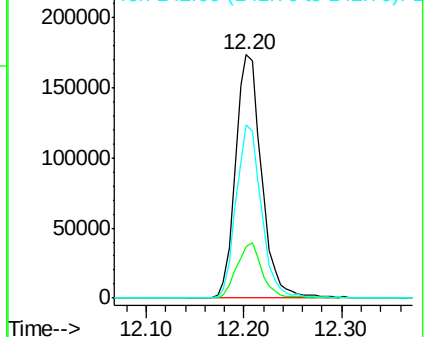
142 71.2 53.0 79.6

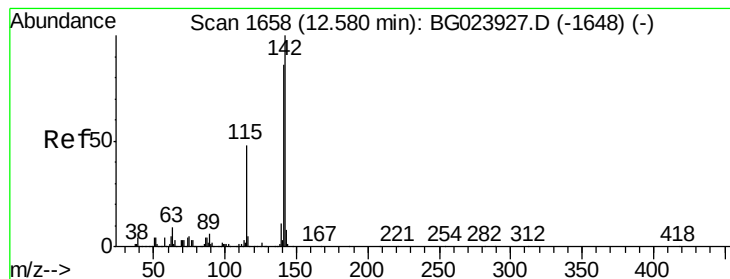


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 45.43 ng

RT: 12.55 min Scan# 1654

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

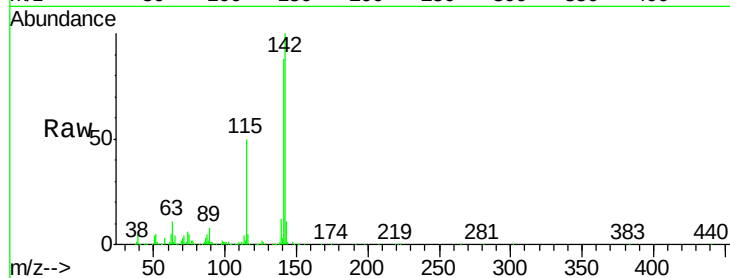
Tgt Ion:142 Resp: 527912

Ion Ratio Lower Upper

142 100

141 87.8 70.2 105.2

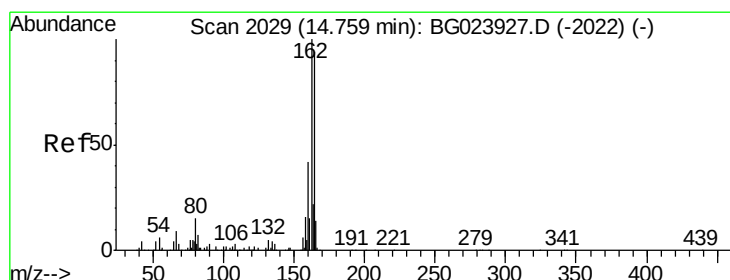
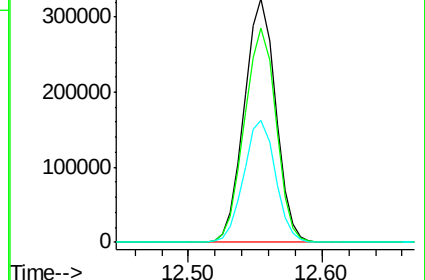
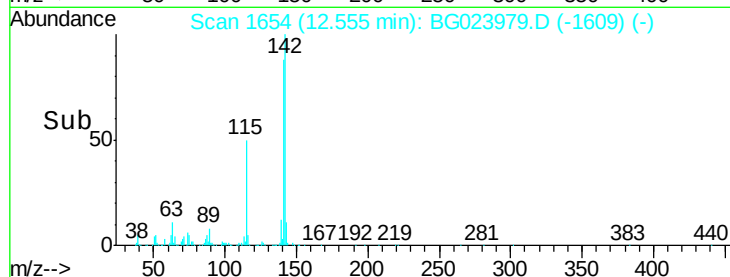
115 50.2 41.7 62.5



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: 14.74 min Scan# 2026

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

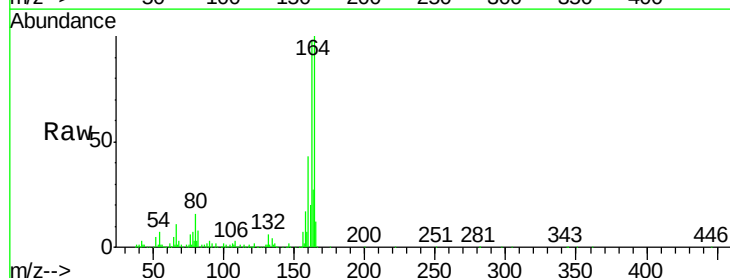
Tgt Ion:164 Resp: 239826

Ion Ratio Lower Upper

164 100

162 97.7 87.7 131.5

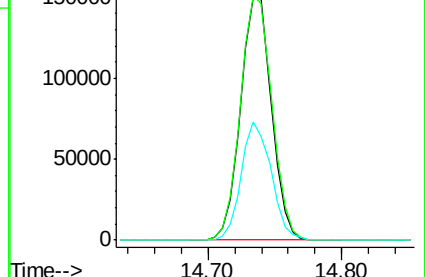
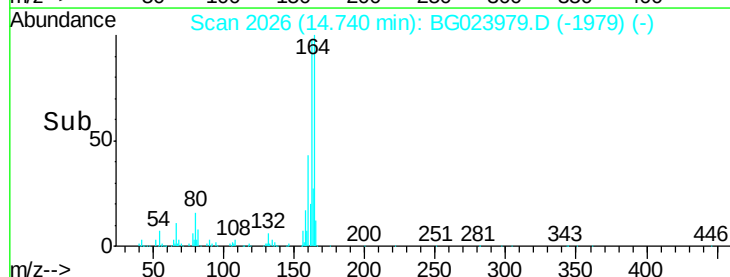
160 42.8 37.2 55.8

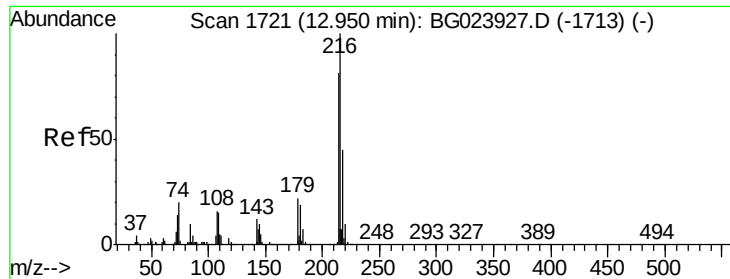


Abundance Ion 164.00 (163.70 to 164.70): E

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: 37.96 ng

RT: 12.92 min Scan# 1716

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

Tgt Ion:216 Resp: 302214

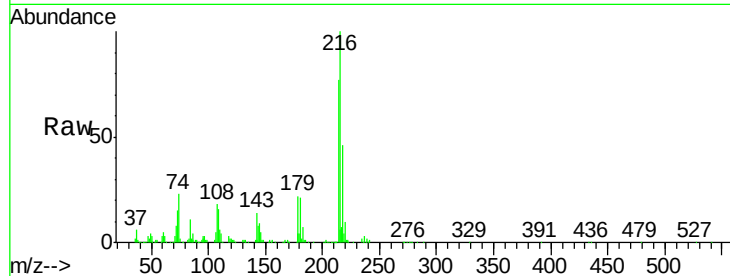
Ion Ratio Lower Upper

216 100

214 79.3 62.9 94.3

179 21.3 17.2 25.8

108 22.6 16.3 24.5

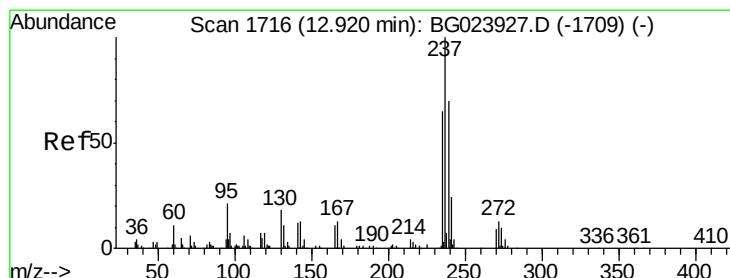
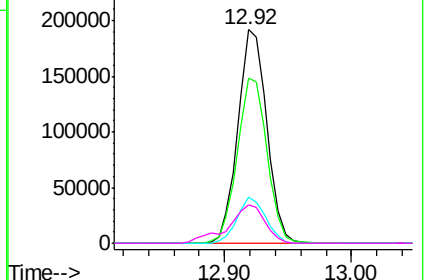
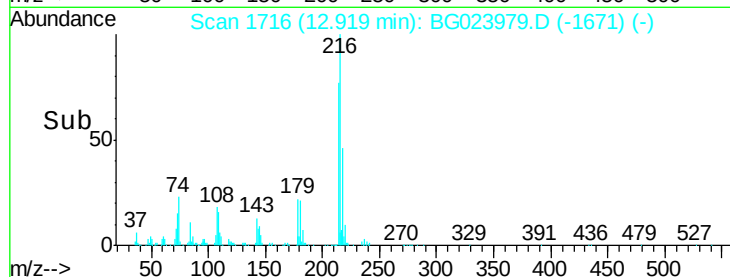


Abundance Ion 216.00 (215.70 to 216.70): E

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: 71.23 ng

RT: 12.89 min Scan# 1711

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

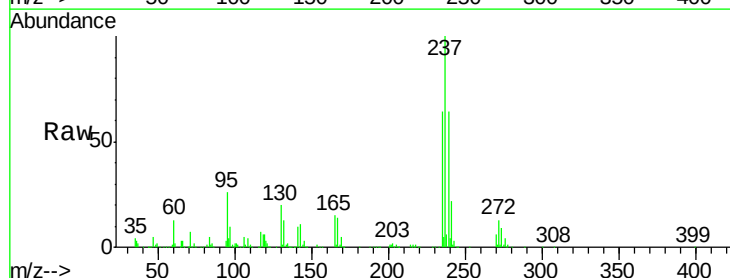
Tgt Ion:237 Resp: 337562

Ion Ratio Lower Upper

237 100

235 63.7 43.1 83.1

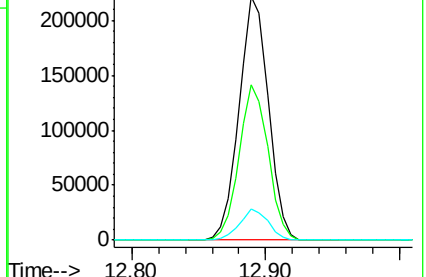
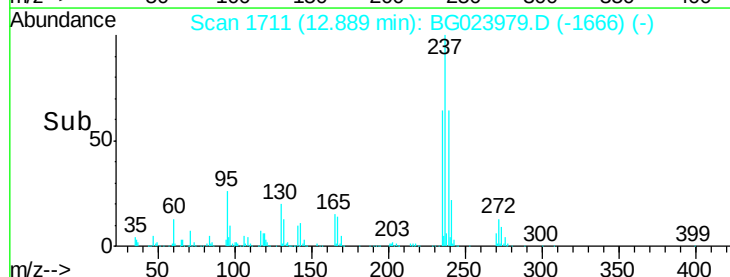
272 12.6 0.0 30.9



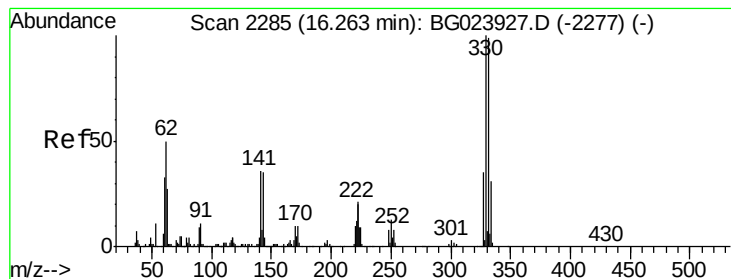
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E







#41

2,4,6-Tribromophenol

Concen: 127.33 ng

RT: 16.24 min Scan# 2282

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

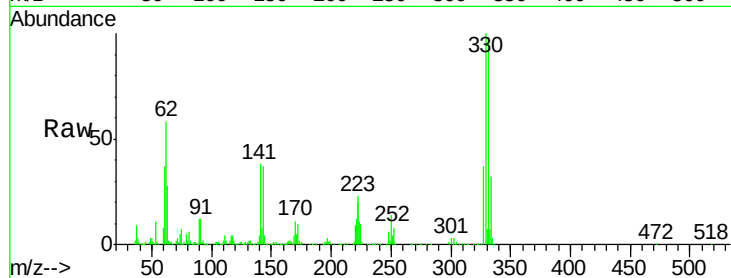
Tgt Ion:330 Resp: 550195

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

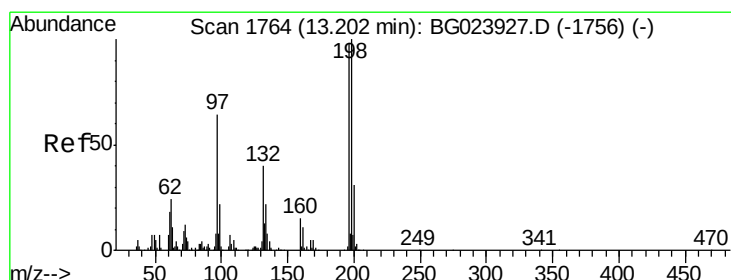
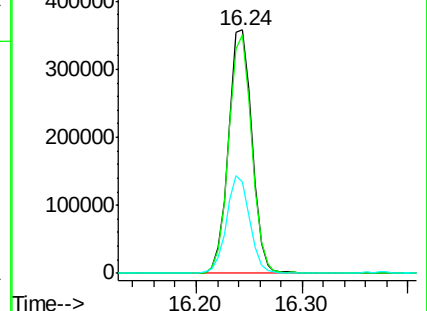
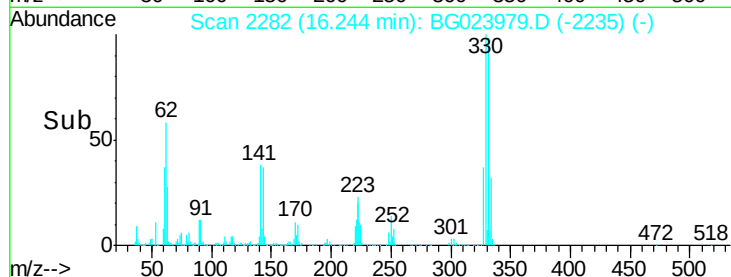
141 39.7 31.7 47.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 45.61 ng

RT: 13.17 min Scan# 1759

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

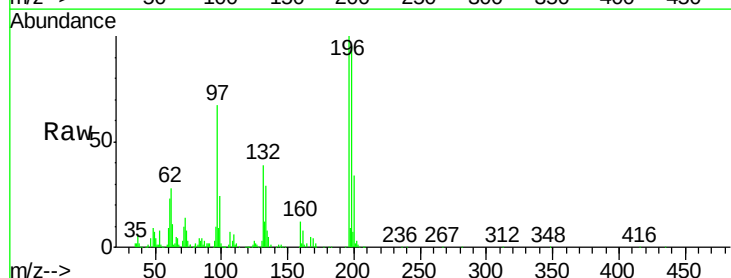
Tgt Ion:196 Resp: 242298

Ion Ratio Lower Upper

196 100

198 95.1 78.2 117.2

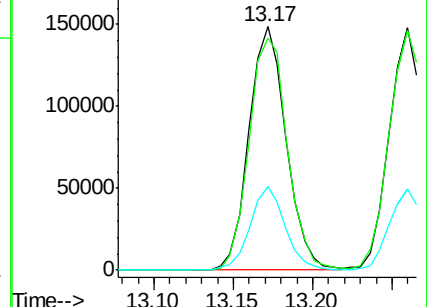
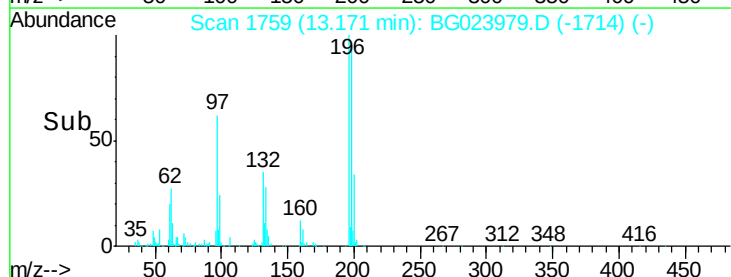
200 34.3 27.0 40.4

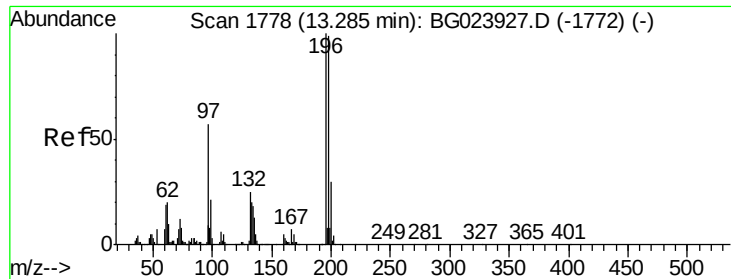


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

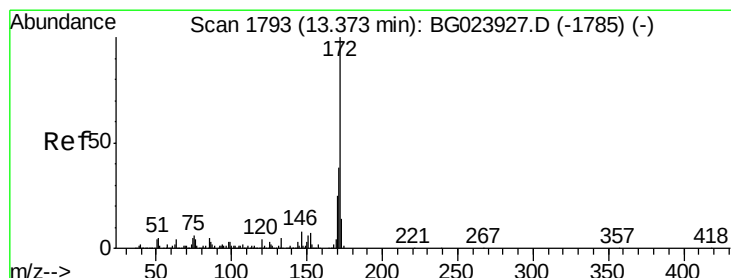
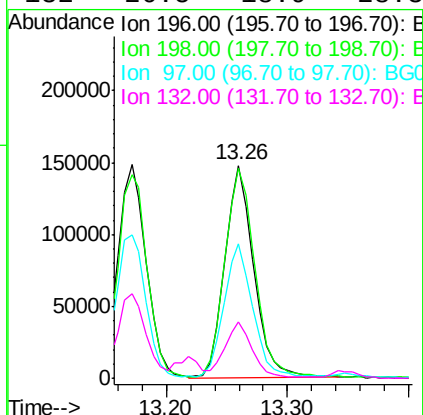
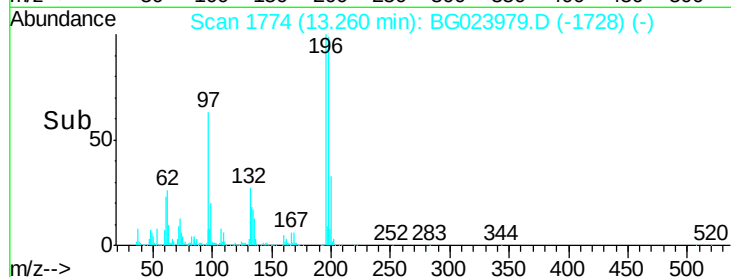
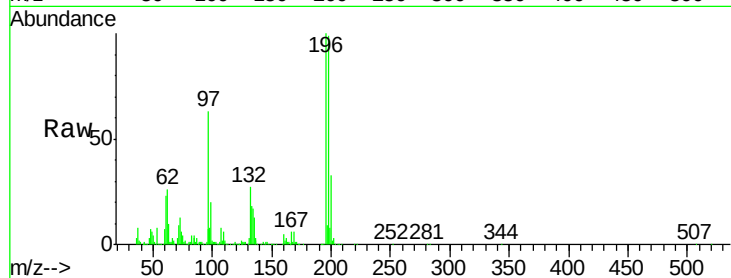




#43  
2,4,5-Trichlorophenol  
Concen: 45.86 ng  
RT: 13.26 min Scan# 1774  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

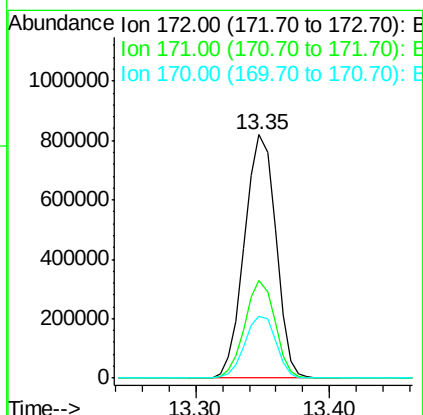
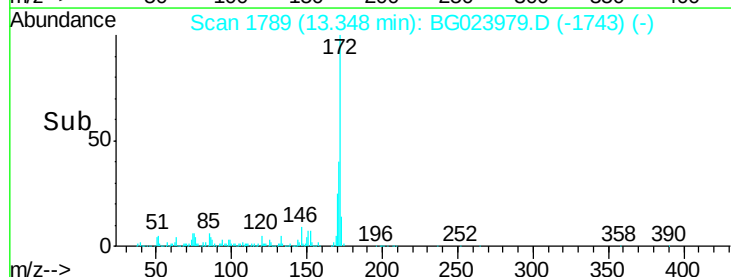
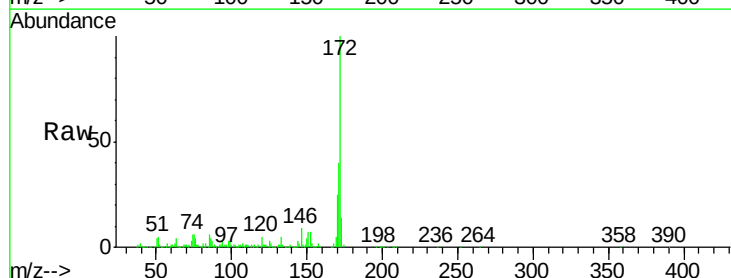
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

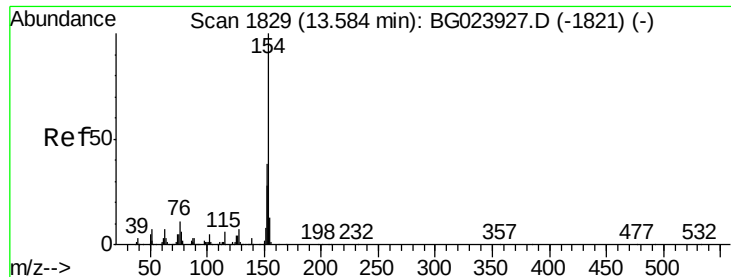
Tgt Ion:196 Resp: 246259  
Ion Ratio Lower Upper  
196 100  
198 98.7 85.7 128.5  
97 63.2 45.5 68.3  
132 26.5 18.9 28.3



#44  
2-Fluorobiphenyl  
Concen: 79.39 ng  
RT: 13.35 min Scan# 1789  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

Tgt Ion:172 Resp: 1328020  
Ion Ratio Lower Upper  
172 100  
171 39.9 31.6 47.4  
170 25.4 21.3 31.9

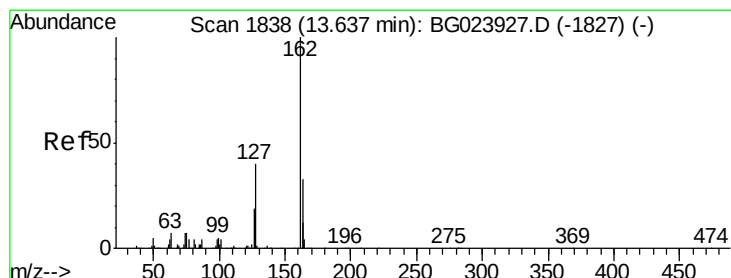
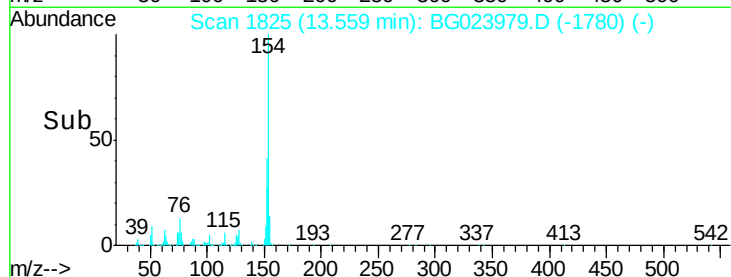
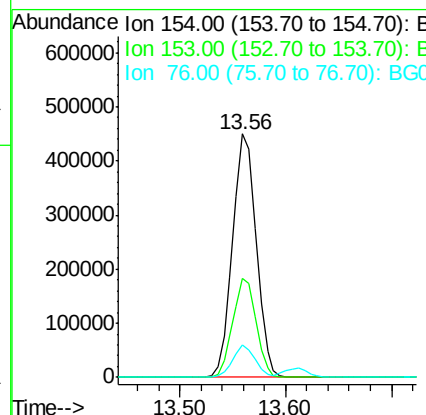
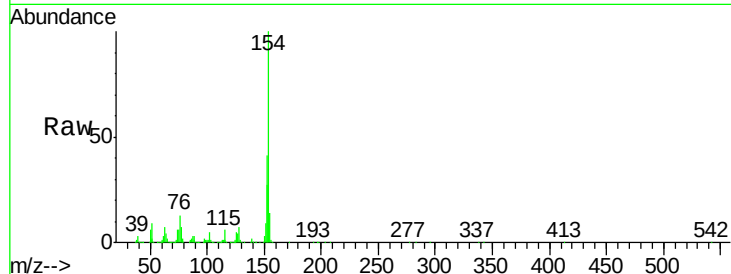




#45  
 1,1'-Biphenyl  
 Concen: 35.99 ng  
 RT: 13.56 min Scan# 1825  
 Delta R.T. -0.04 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

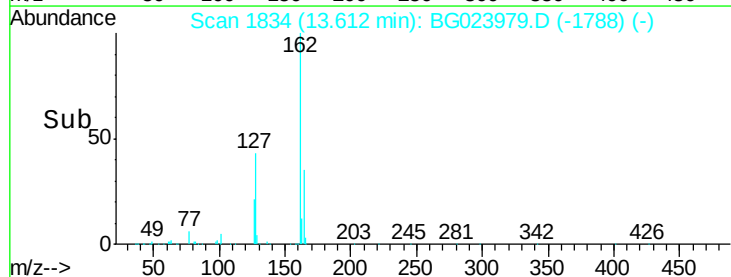
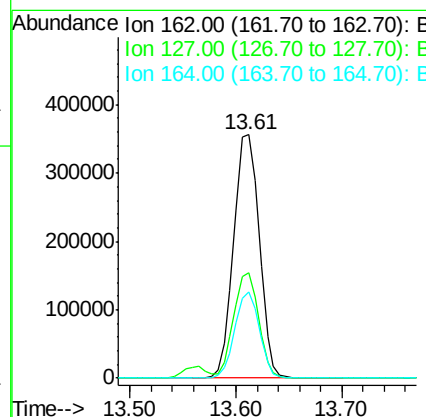
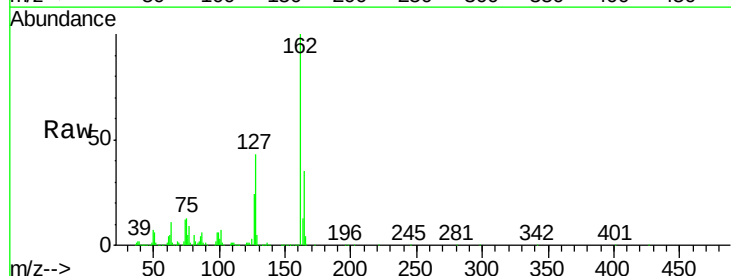
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-CUTTINGSMS

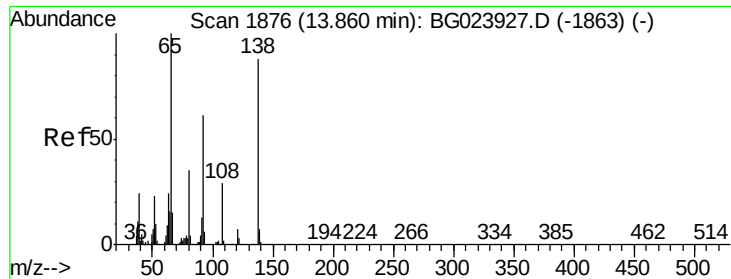
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.9  | 20.2  | 60.2  |
| 76      | 13.1  | 0.0   | 32.9  |



#46  
 2-Chloronaphthalene  
 Concen: 42.10 ng  
 RT: 13.61 min Scan# 1834  
 Delta R.T. -0.03 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 43.5  | 32.4  | 48.6  |
| 164     | 35.4  | 25.2  | 37.8  |





#47

2-Nitroaniline

Concen: 50.38 ng

RT: 13.83 min Scan# 1871

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

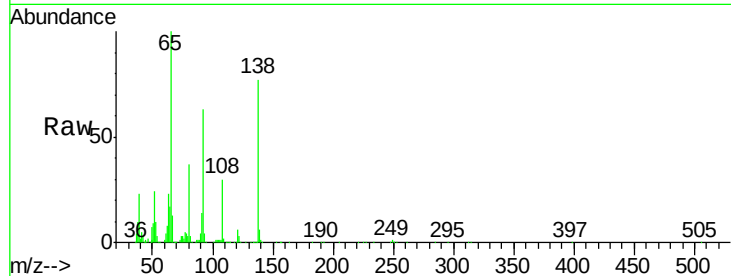
Tgt Ion: 65 Resp: 281012

Ion Ratio Lower Upper

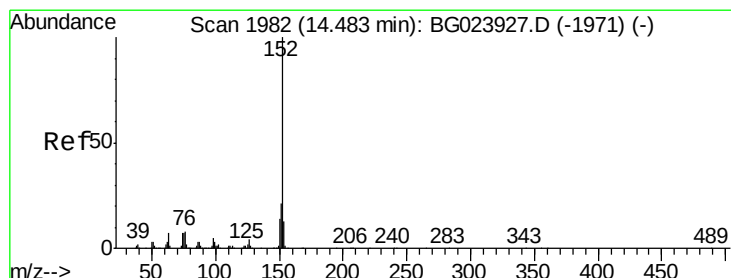
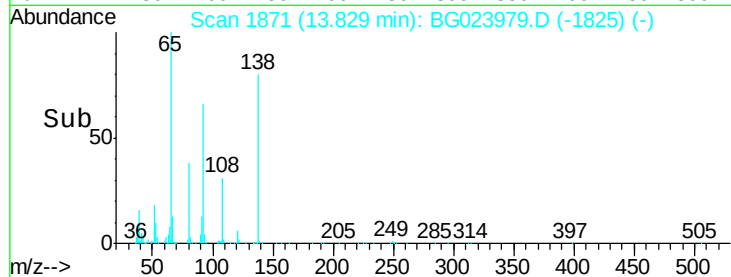
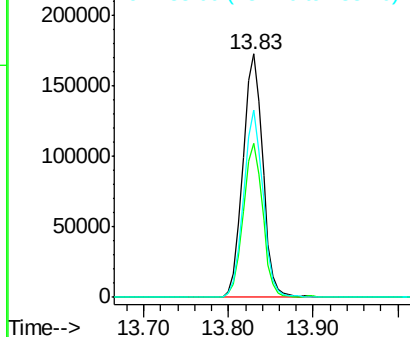
65 100

92 63.2 49.4 74.0

138 76.7 58.0 87.0



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



#48

Acenaphthylene

Concen: 41.21 ng

RT: 14.46 min Scan# 1978

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

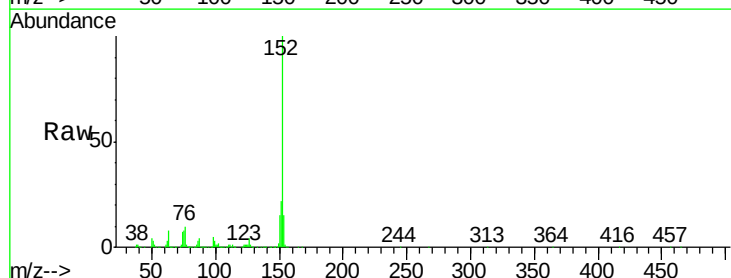
Tgt Ion: 152 Resp: 972851

Ion Ratio Lower Upper

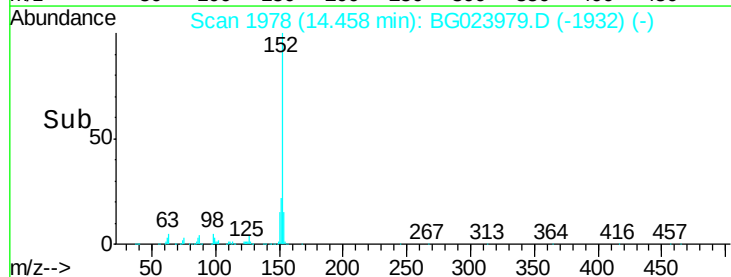
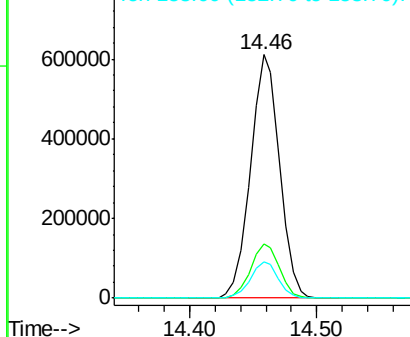
152 100

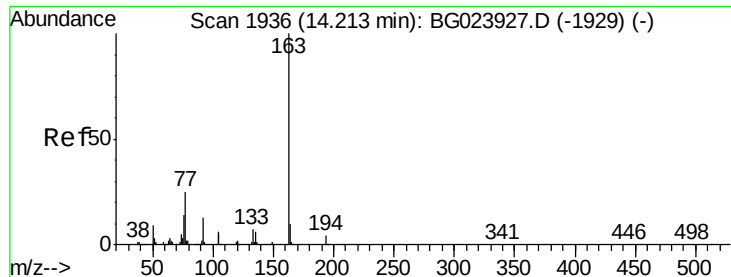
151 22.3 17.6 26.4

153 14.7 11.4 17.2



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





#49

Dimethylphthalate

Concen: 42.28 ng

RT: 14.19 min Scan# 1933

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

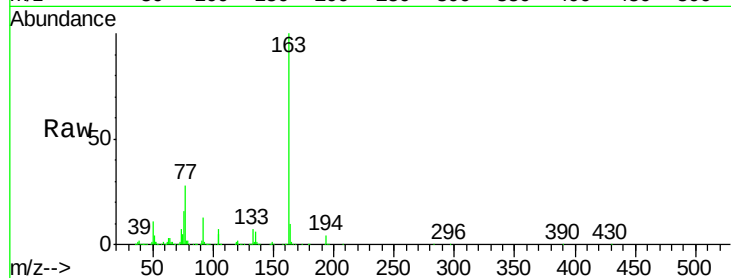
Tgt Ion:163 Resp: 869569

Ion Ratio Lower Upper

163 100

194 4.4 3.6 5.4

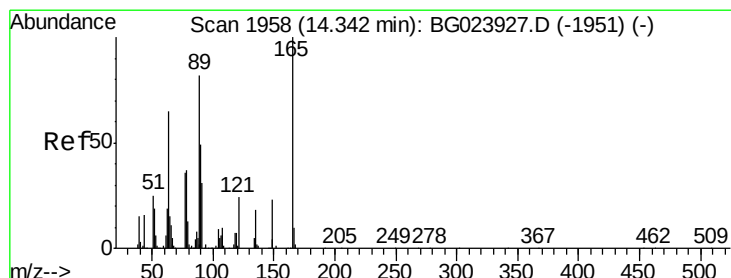
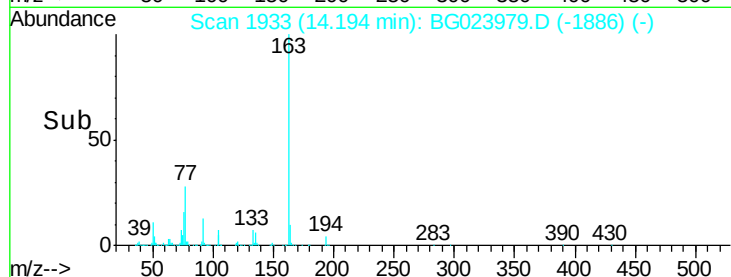
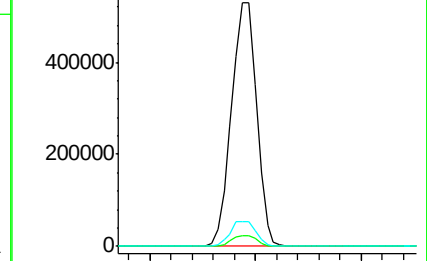
164 9.9 8.1 12.1



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: 44.41 ng

RT: 14.32 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

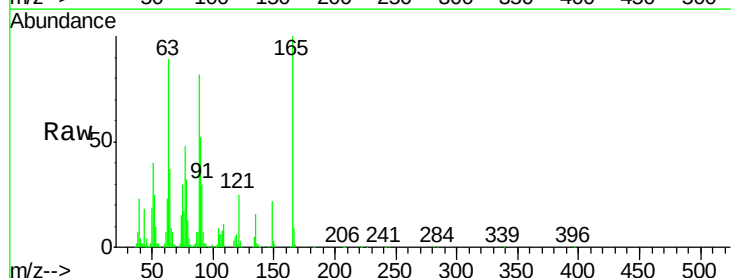
Tgt Ion:165 Resp: 192804

Ion Ratio Lower Upper

165 100

63 88.5 64.3 96.5

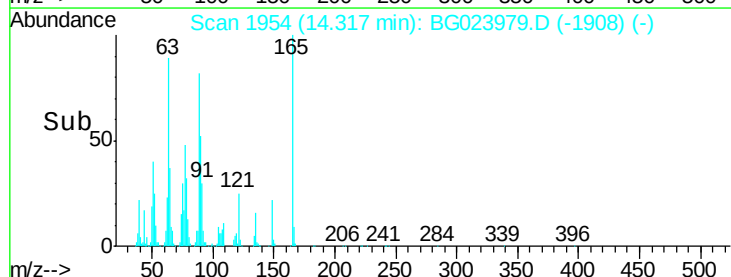
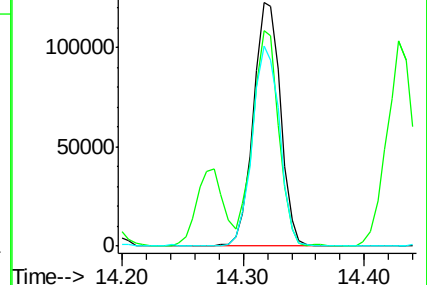
89 82.1 64.3 96.5

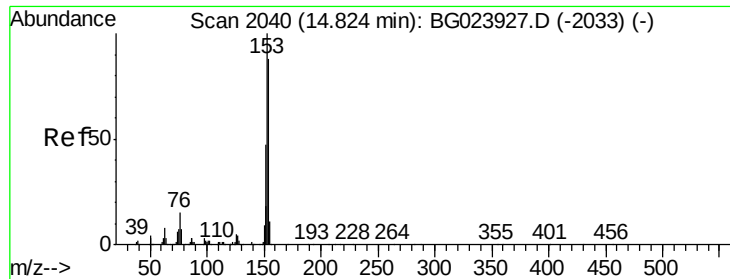


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 43.02 ng

RT: 14.80 min Scan# 2037

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

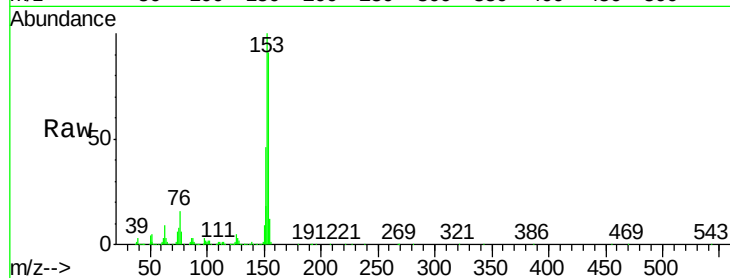
Tgt Ion:154 Resp: 627863

Ion Ratio Lower Upper

154 100

153 110.4 87.5 131.3

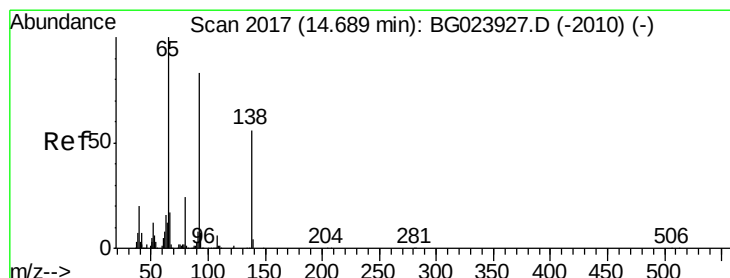
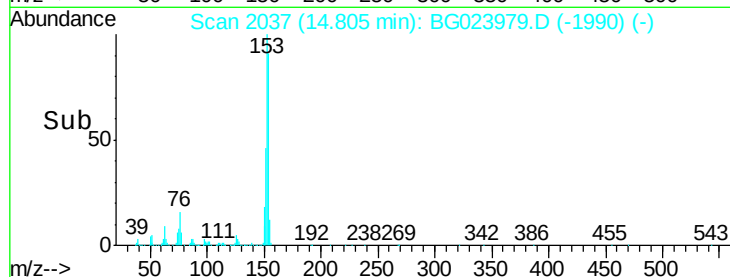
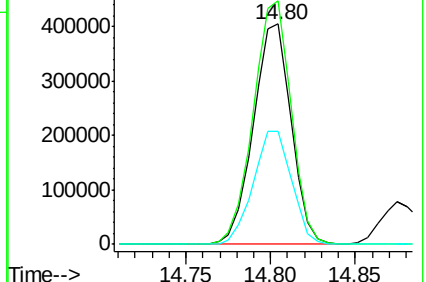
152 51.2 42.7 64.1



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: 24.74 ng

RT: 14.66 min Scan# 2012

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

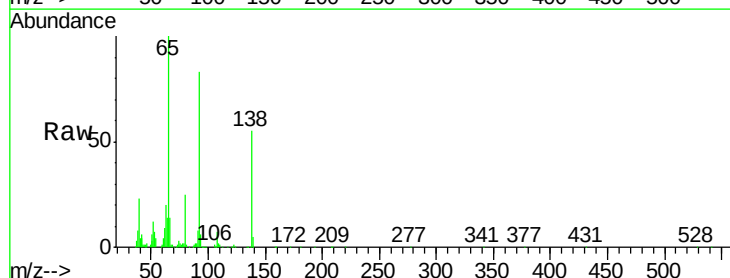
Tgt Ion:138 Resp: 100451

Ion Ratio Lower Upper

138 100

108 13.3 11.7 17.5

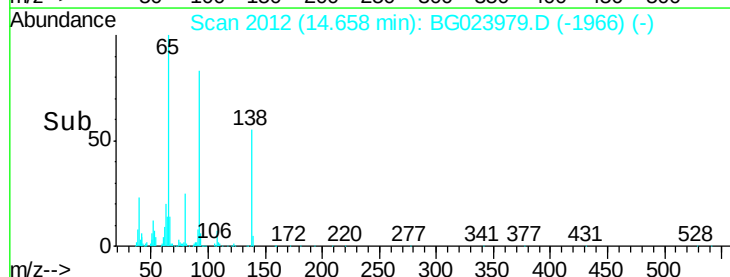
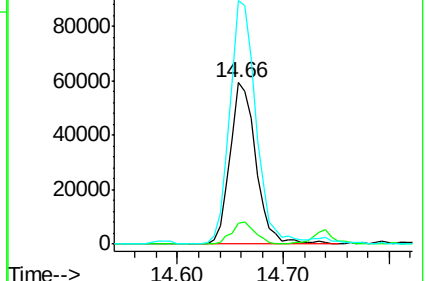
92 151.0 129.7 194.5

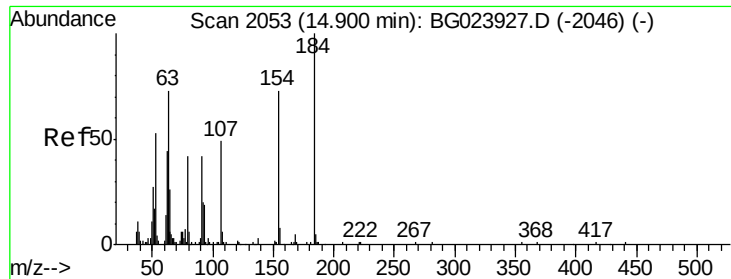


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

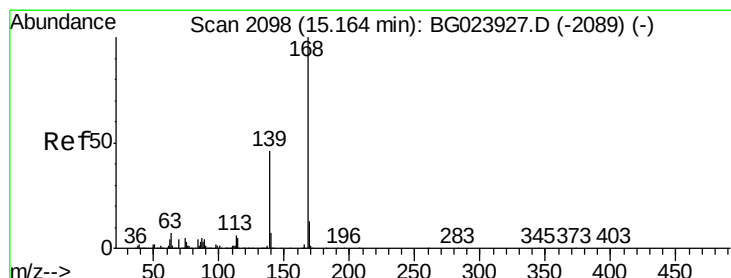
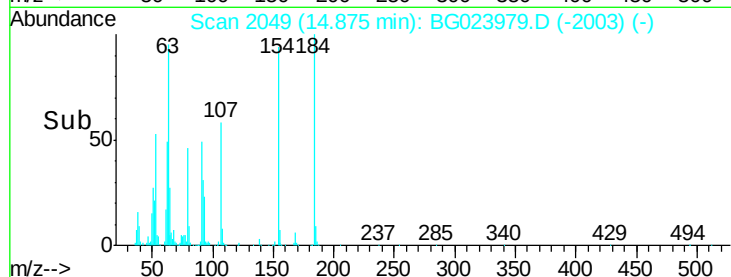
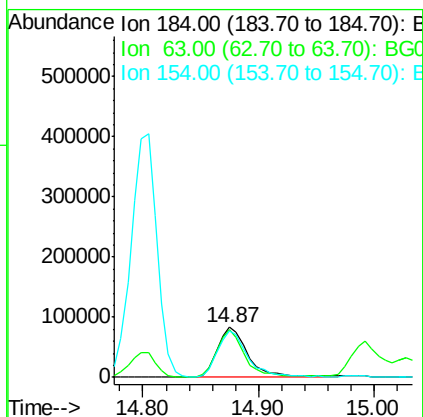
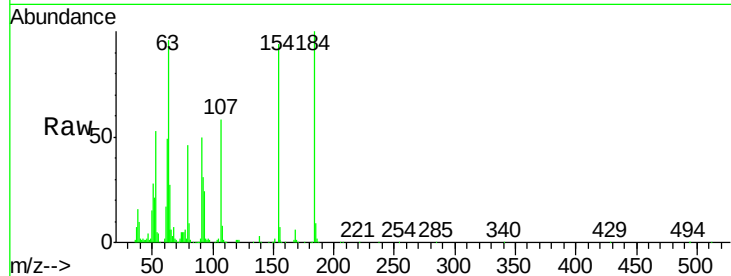




#53  
2,4-Dinitrophenol  
Concen: 51.01 ng  
RT: 14.87 min Scan# 2049  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

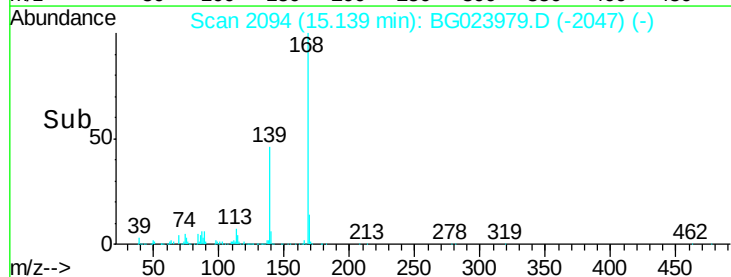
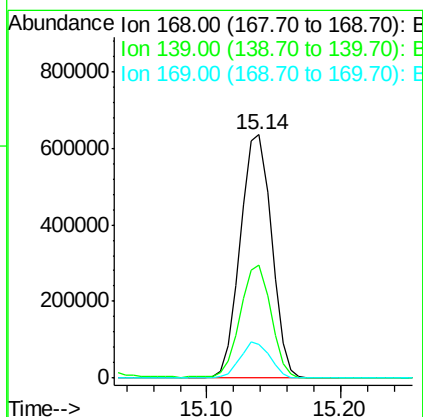
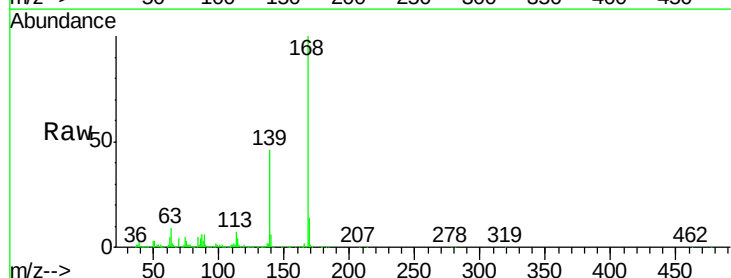
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

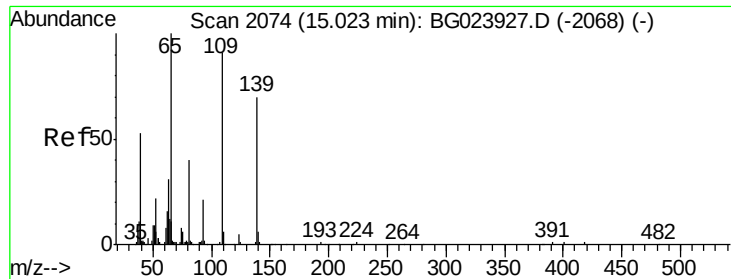
Tgt Ion:184 Resp: 153726  
Ion Ratio Lower Upper  
184 100  
63 95.6 59.6 89.4#  
154 93.5 67.4 101.0



#54  
Dibenzofuran  
Concen: 45.16 ng  
RT: 15.14 min Scan# 2094  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

Tgt Ion:168 Resp: 1028701  
Ion Ratio Lower Upper  
168 100  
139 46.2 36.4 54.6  
169 14.1 11.9 17.9

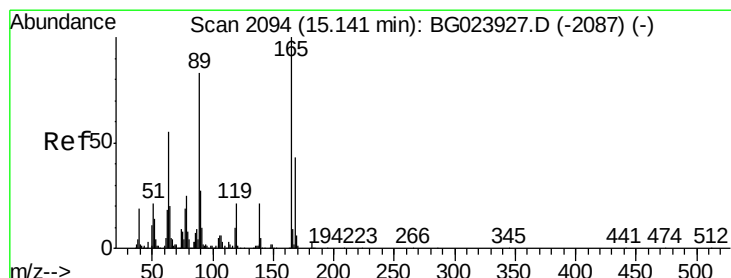
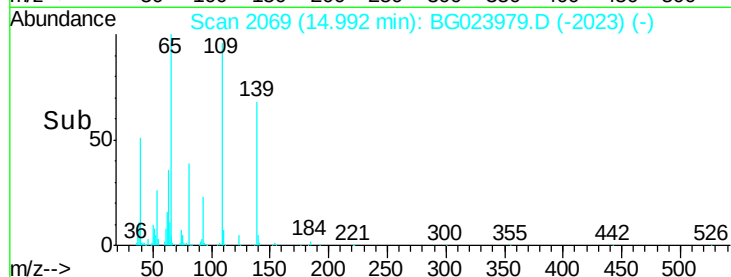
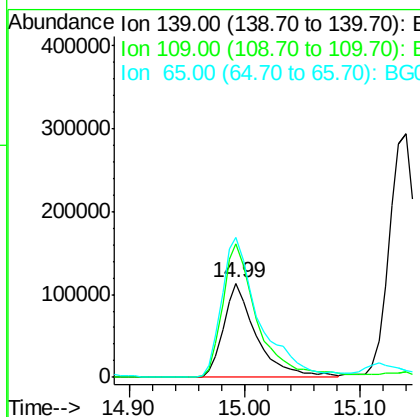
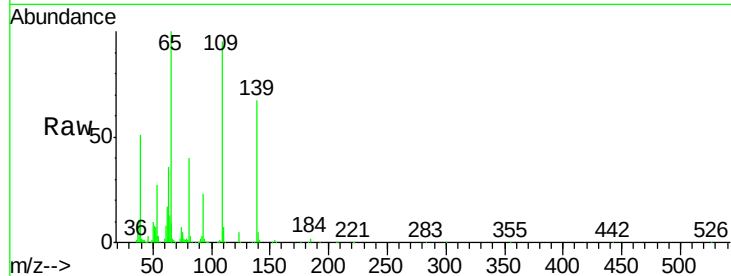




#55  
4-Nitrophenol  
Concen: 69.72 ng  
RT: 14.99 min Scan# 2069  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

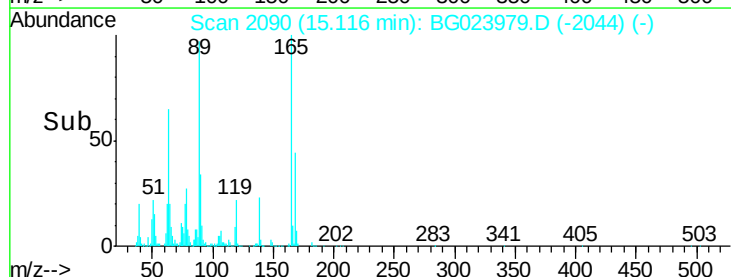
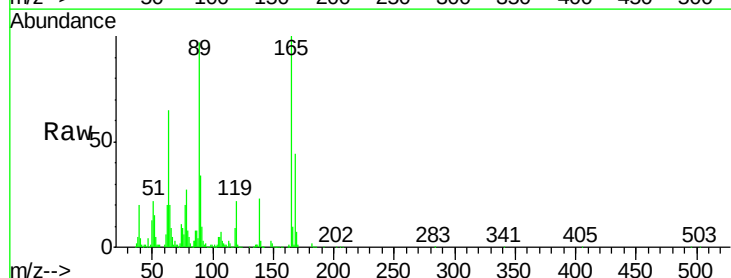
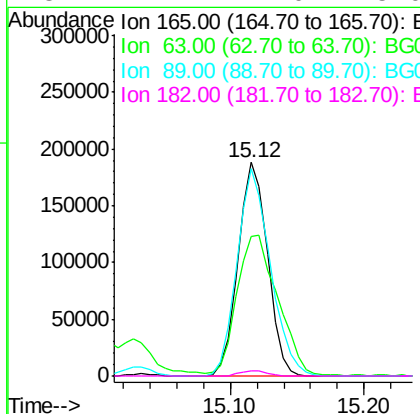
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 141.2 | 103.0 | 143.0 |
| 65      | 148.8 | 112.7 | 152.7 |

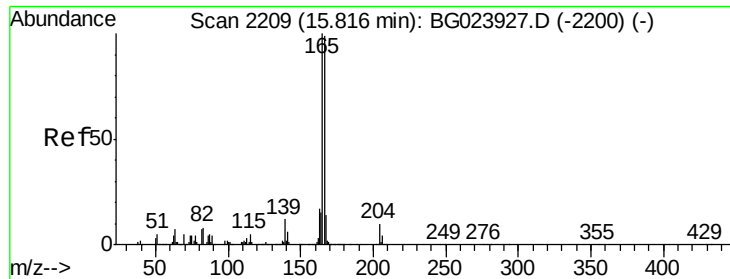


#56  
2,4-Dinitrotoluene  
Concen: 44.79 ng  
RT: 15.12 min Scan# 2090  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 65.2  | 45.8  | 68.6  |
| 89      | 97.3  | 68.6  | 102.8 |
| 182     | 2.2   | 2.0   | 3.0   |



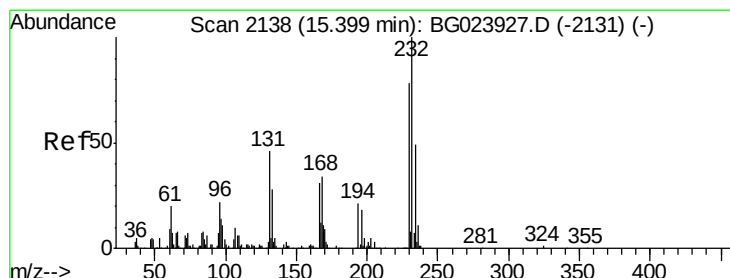
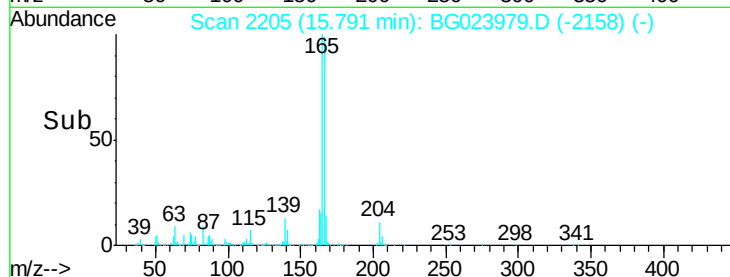
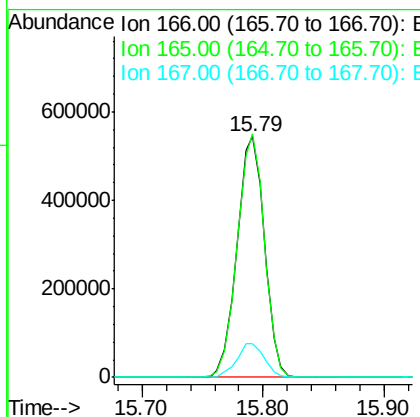
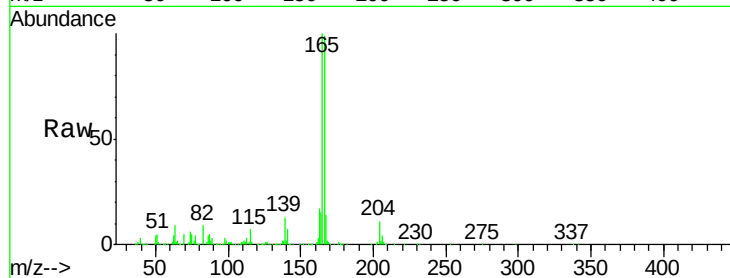




#57  
**Fluorene**  
 Concen: 43.62 ng  
 RT: 15.79 min Scan# 2205  
 Delta R.T. -0.03 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

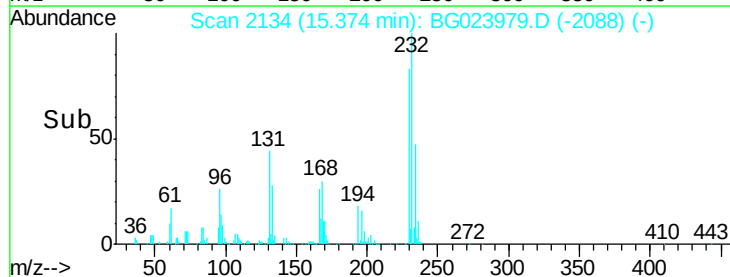
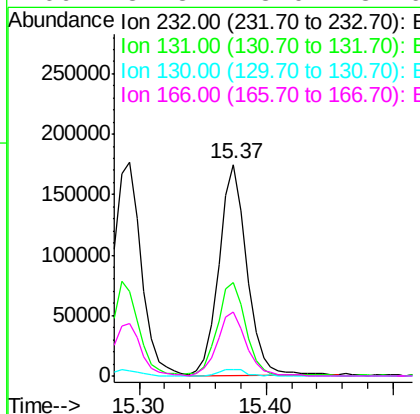
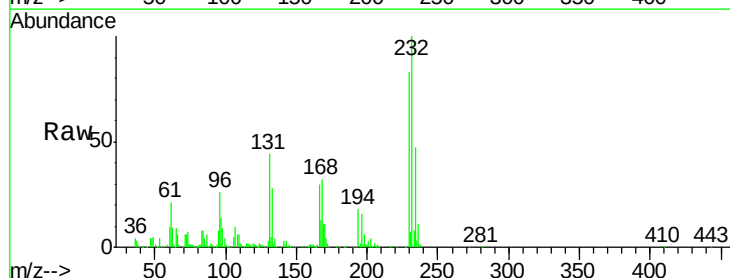
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-CUTTINGSMS

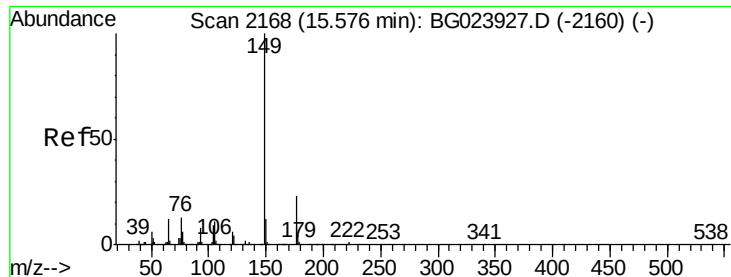
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 101.0 | 81.0  | 121.6 |
| 167     | 14.1  | 12.0  | 18.0  |



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 48.61 ng  
 RT: 15.37 min Scan# 2134  
 Delta R.T. -0.03 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 44.7  | 32.7  | 49.1  |
| 130     | 3.1   | 2.6   | 3.8   |
| 166     | 31.3  | 23.0  | 34.6  |





#59

Diethylphthalate

Concen: 42.46 ng

RT: 15.55 min Scan# 2164

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

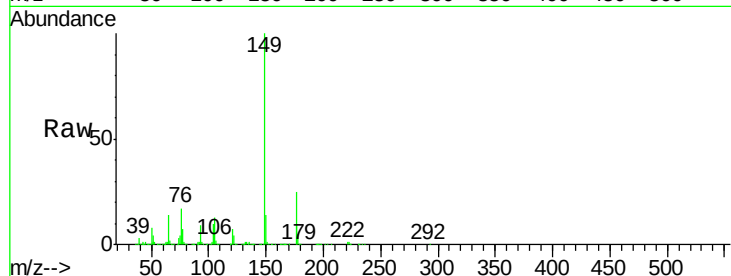
Tgt Ion:149 Resp: 932131

Ion Ratio Lower Upper

149 100

177 24.8 19.2 28.8

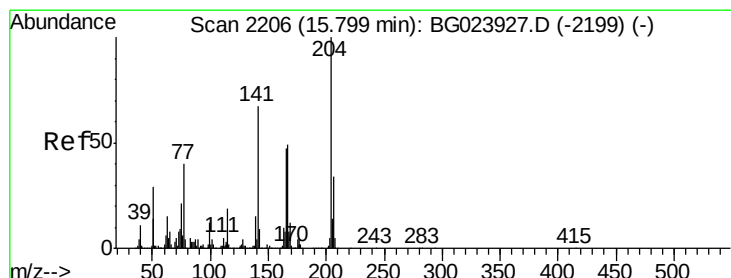
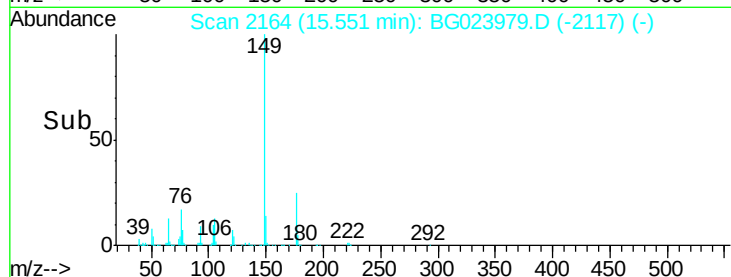
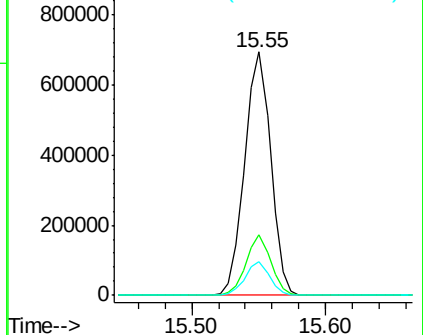
150 14.1 10.6 16.0



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: 44.19 ng

RT: 15.77 min Scan# 2202

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

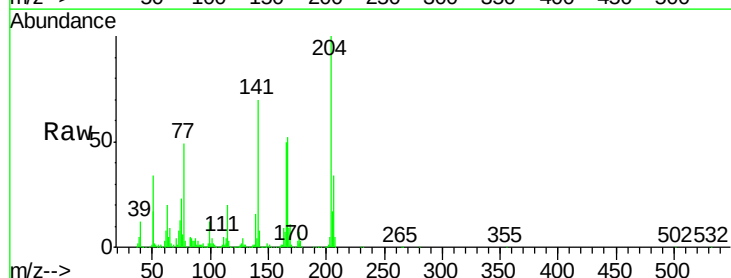
Tgt Ion:204 Resp: 469823

Ion Ratio Lower Upper

204 100

206 34.3 28.5 42.7

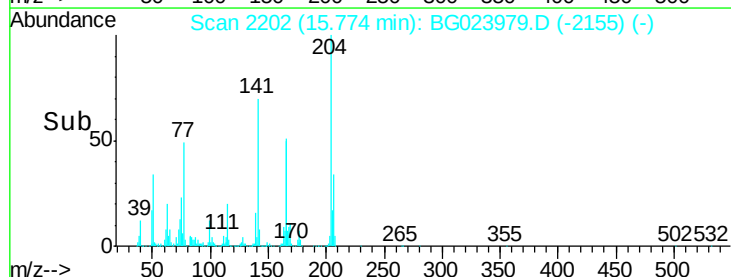
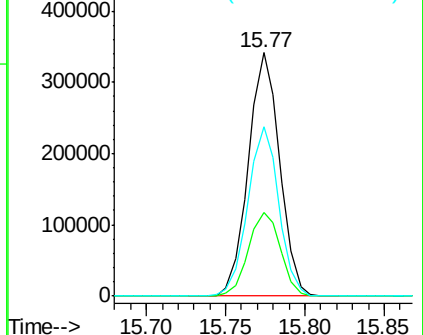
141 69.5 51.4 77.0

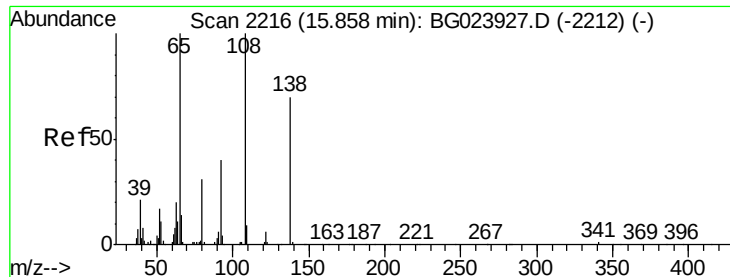


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

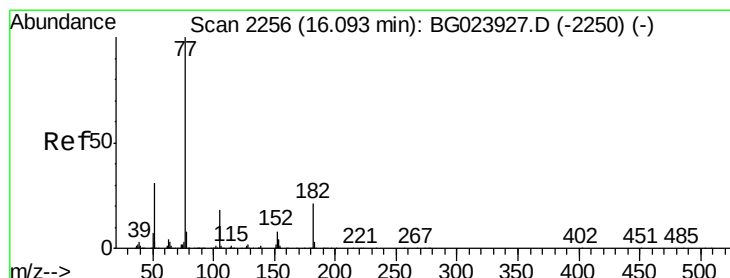
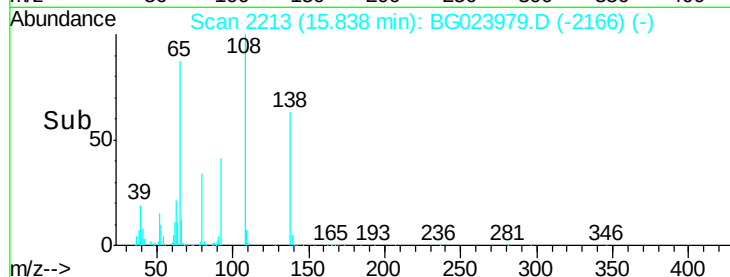
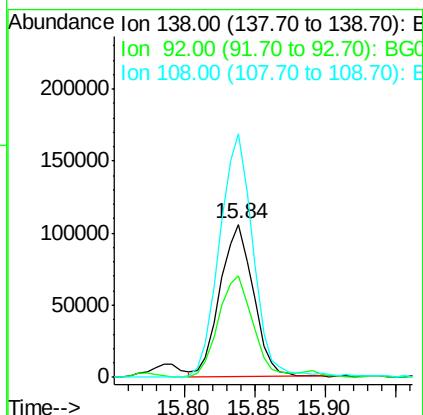
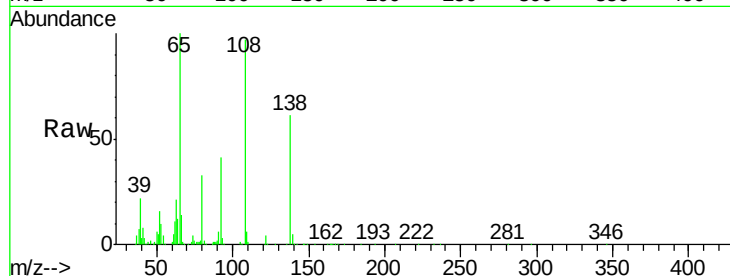




#61  
4-Nitroaniline  
Concen: 42.33 ng  
RT: 15.84 min Scan# 2213  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

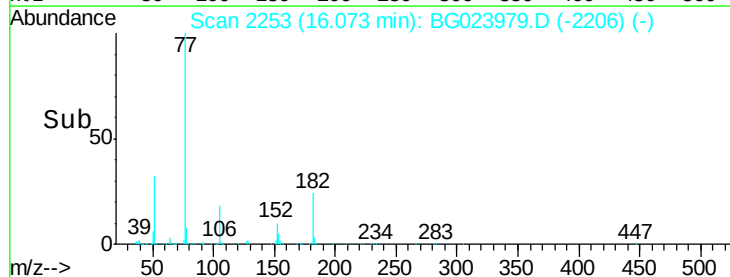
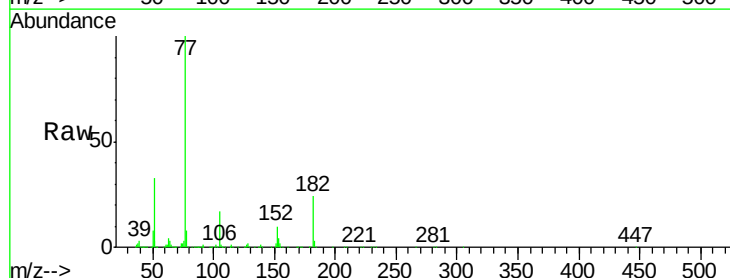
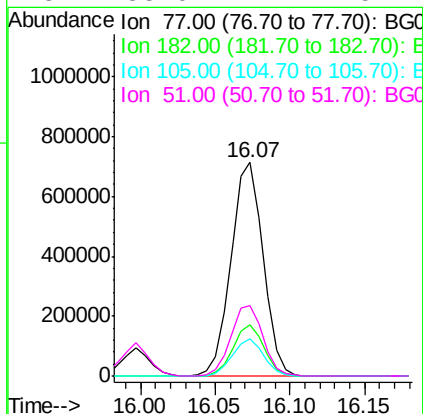
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

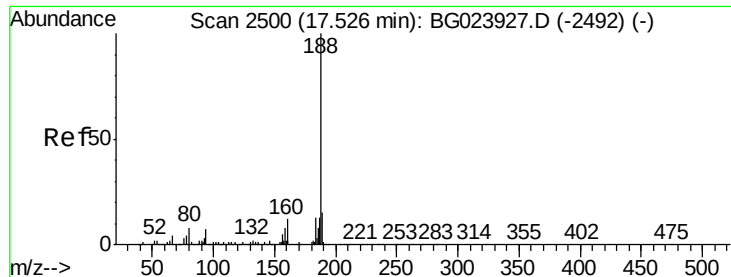
Tgt Ion:138 Resp: 173754  
Ion Ratio Lower Upper  
138 100  
92 66.7 54.1 94.1  
108 159.1 133.9 173.9



#62  
Azobenzene  
Concen: 50.25 ng  
RT: 16.07 min Scan# 2253  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

Tgt Ion: 77 Resp: 1068466  
Ion Ratio Lower Upper  
77 100  
182 23.9 3.5 43.5  
105 17.5 0.0 38.5  
51 33.0 17.1 57.1

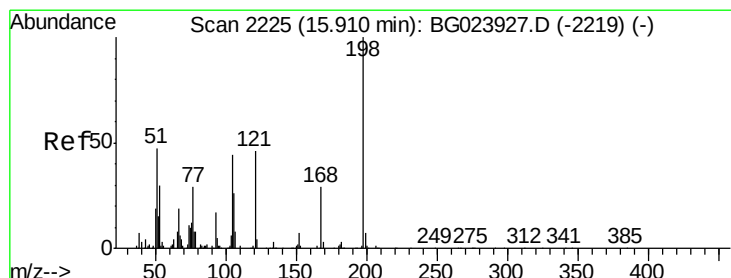
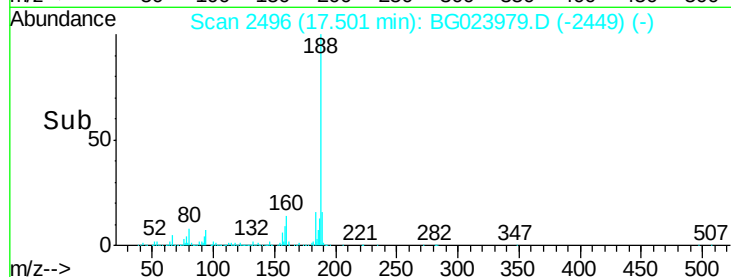
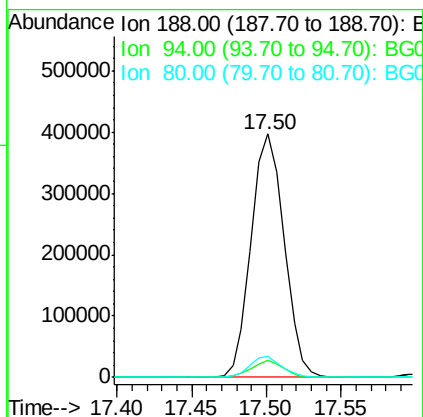
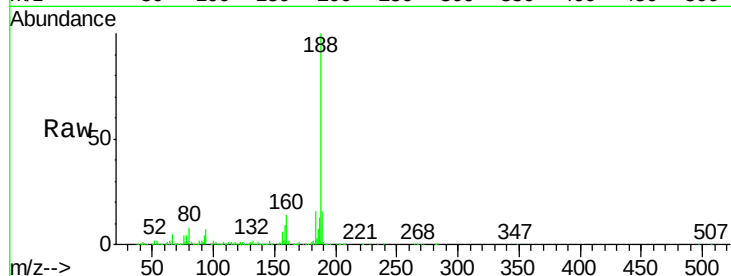




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.50 min Scan# 2496  
 Delta R.T. -0.03 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

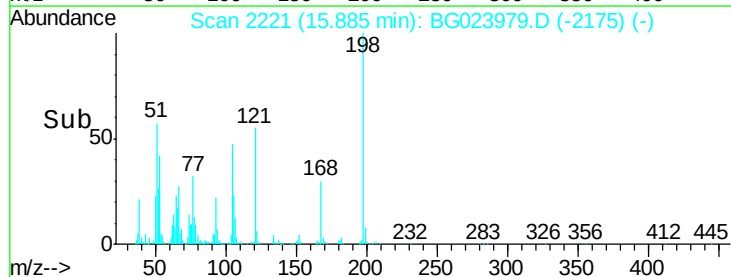
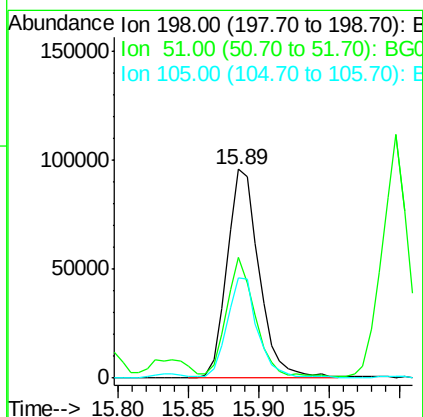
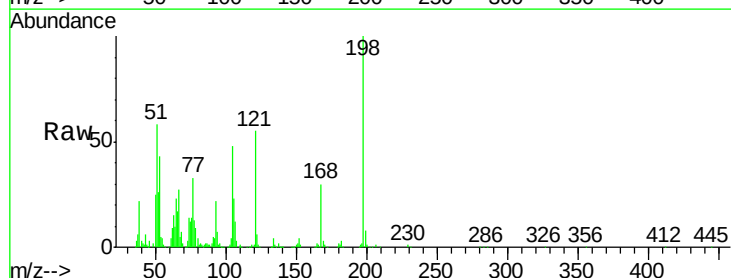
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-CUTTINGSMS

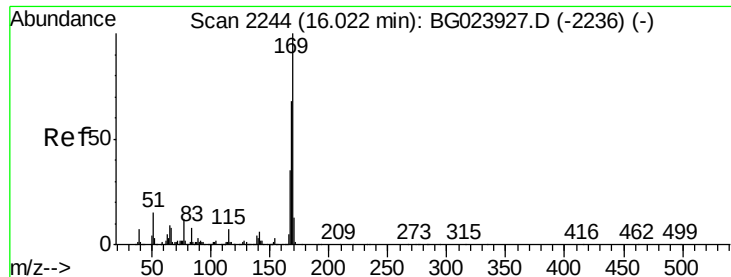
Tgt Ion:188 Resp: 607195  
 Ion Ratio Lower Upper  
 188 100  
 94 7.0 5.2 7.8  
 80 8.3 7.2 10.8



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 36.06 ng  
 RT: 15.89 min Scan# 2221  
 Delta R.T. -0.03 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

Tgt Ion:198 Resp: 152008  
 Ion Ratio Lower Upper  
 198 100  
 51 58.1 26.0 66.0  
 105 48.2 20.1 60.1





#65

n-Nitrosodiphenylamine

Concen: 45.71 ng

RT: 16.00 min Scan# 2240

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

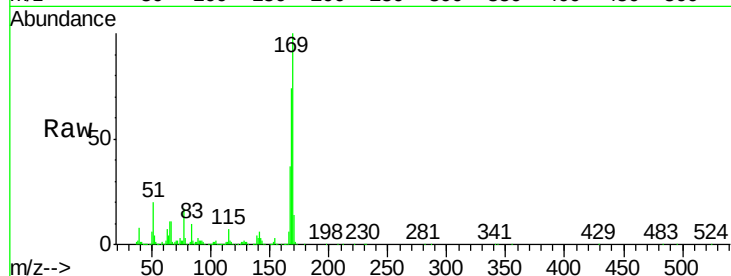
Tgt Ion:169 Resp: 788274

Ion Ratio Lower Upper

169 100

168 74.4 55.0 82.4

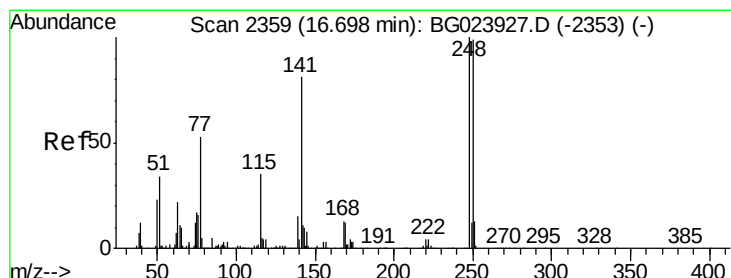
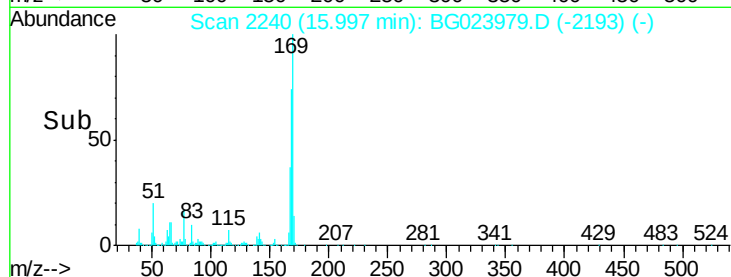
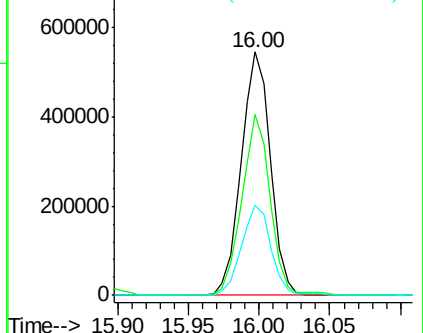
167 37.0 27.4 41.0



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: 47.79 ng

RT: 16.68 min Scan# 2356

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

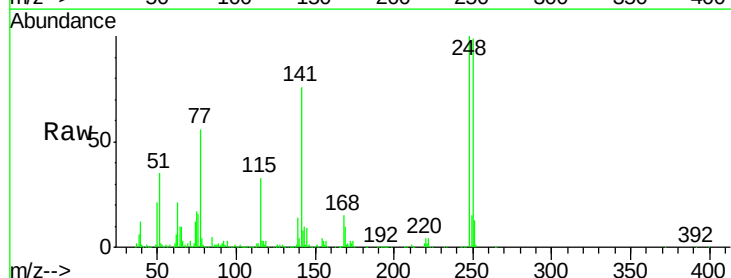
Tgt Ion:248 Resp: 353045

Ion Ratio Lower Upper

248 100

250 99.2 77.8 116.8

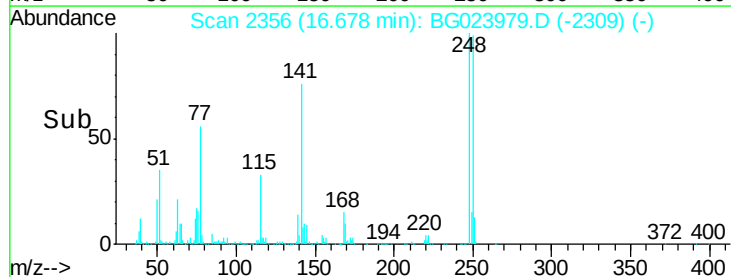
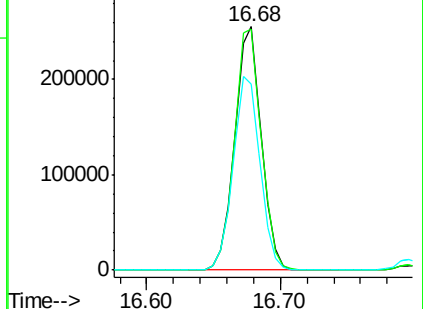
141 76.3 65.7 98.5

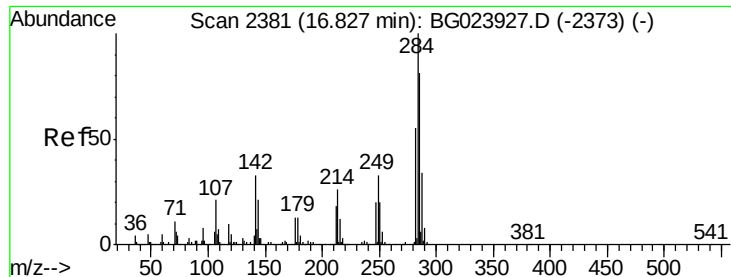


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

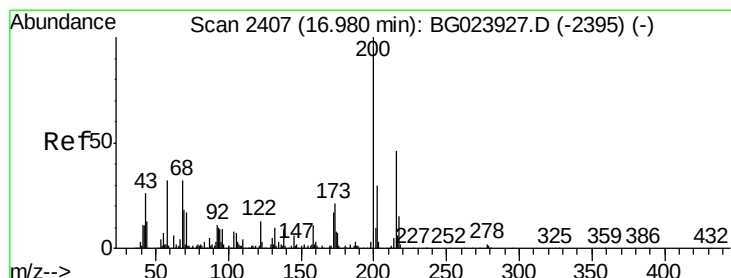
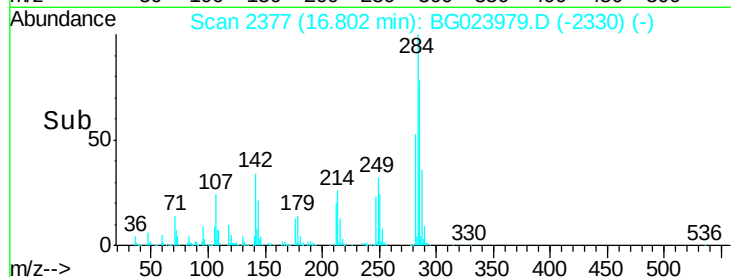
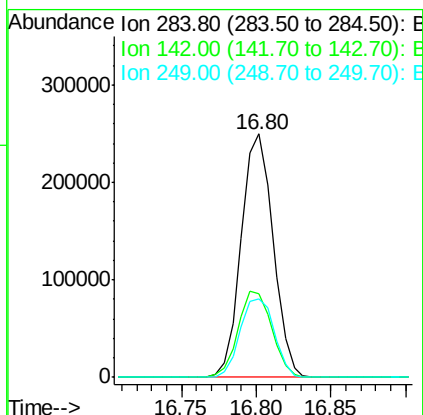
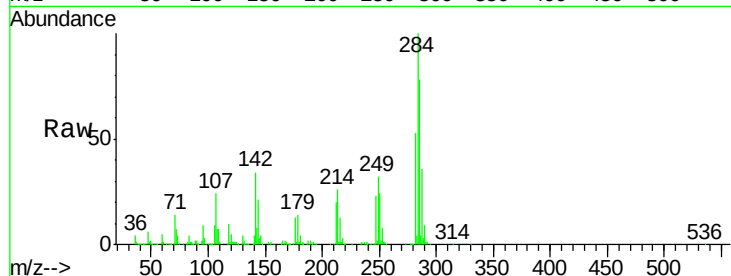




#67  
Hexachlorobenzene  
Concen: 42.72 ng  
RT: 16.80 min Scan# 2377  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

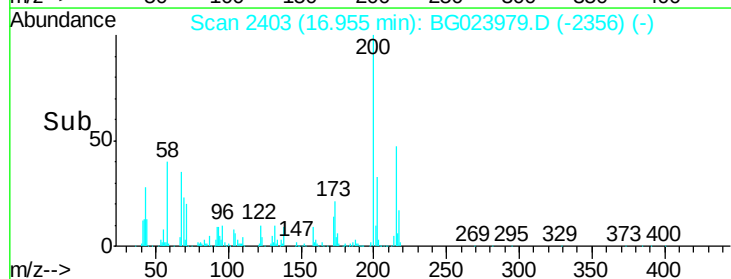
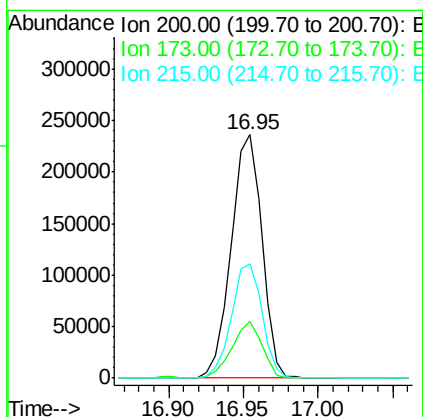
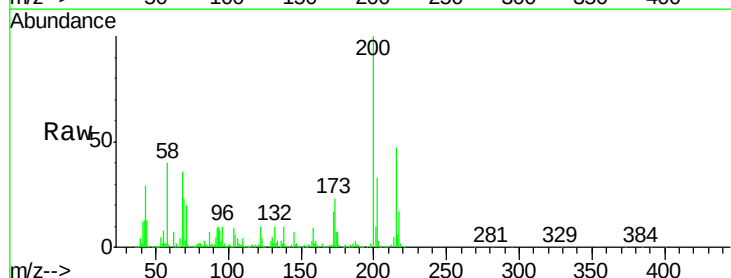
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

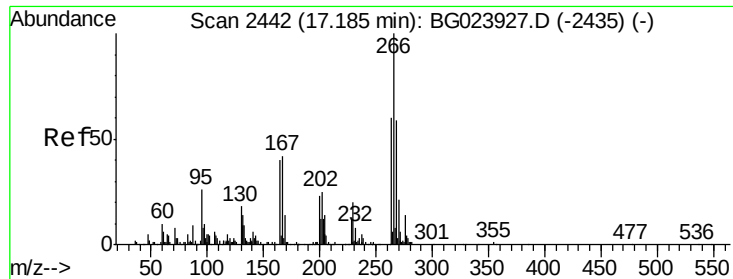
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 34.4  | 26.8  | 40.2  |
| 249     | 32.1  | 28.9  | 43.3  |



#68  
Atrazine  
Concen: 45.83 ng  
RT: 16.95 min Scan# 2403  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 23.1  | 1.6   | 41.6  |
| 215     | 46.8  | 28.7  | 68.7  |





#69

Pentachlorophenol

Concen: 75.84 ng

RT: 17.15 min Scan# 2437

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

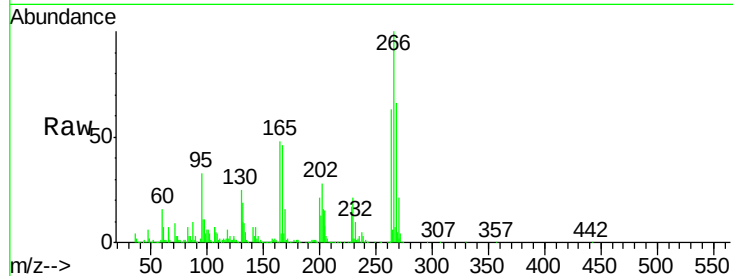
Tgt Ion:266 Resp: 348999

Ion Ratio Lower Upper

266 100

268 65.5 51.9 77.9

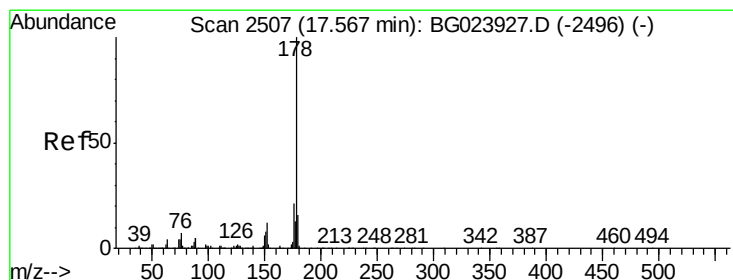
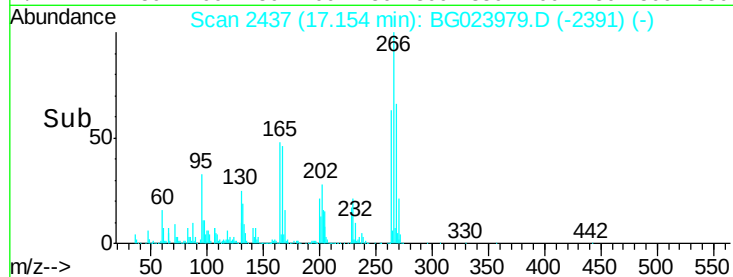
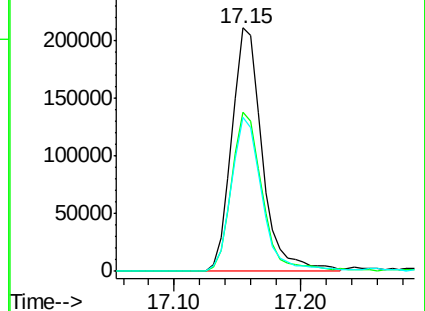
264 63.1 50.6 75.8



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: 45.18 ng

RT: 17.54 min Scan# 2503

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

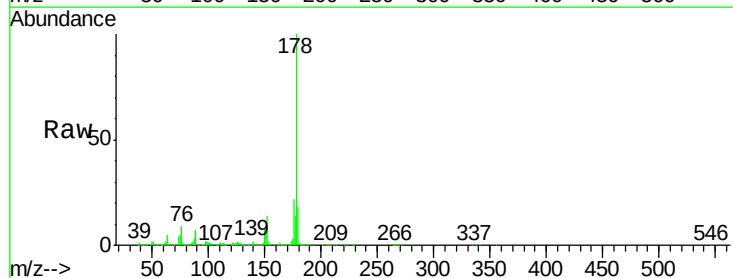
Tgt Ion:178 Resp: 1426971

Ion Ratio Lower Upper

178 100

176 21.7 16.8 25.2

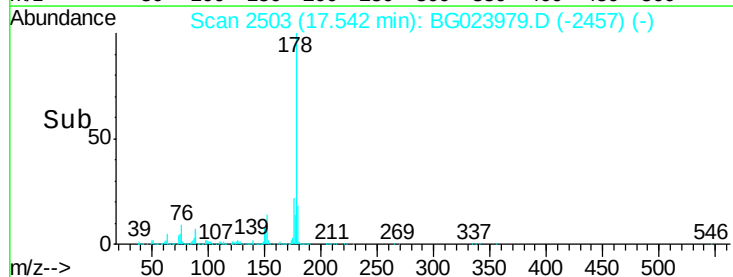
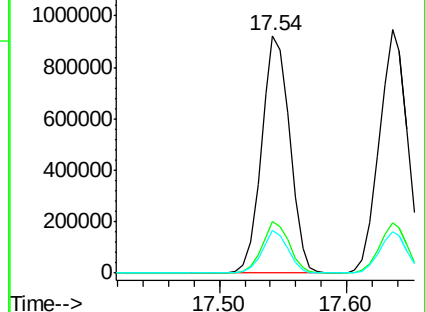
179 18.1 14.3 21.5

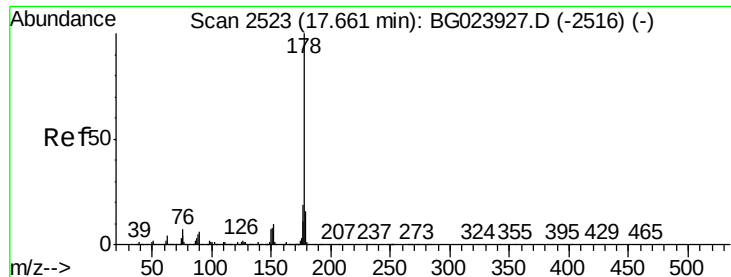


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 45.52 ng

RT: 17.64 min Scan# 2519

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

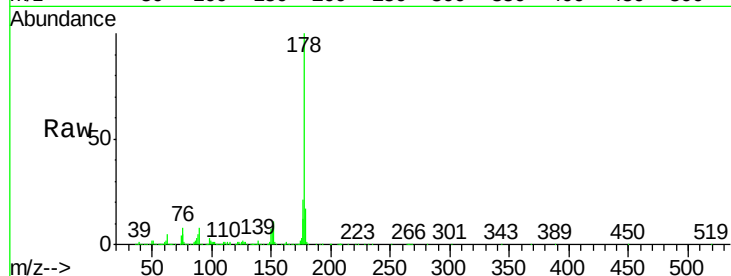
Tgt Ion:178 Resp: 1466751

Ion Ratio Lower Upper

178 100

176 20.6 17.3 25.9

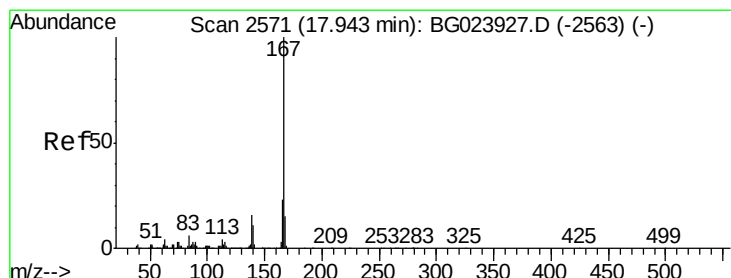
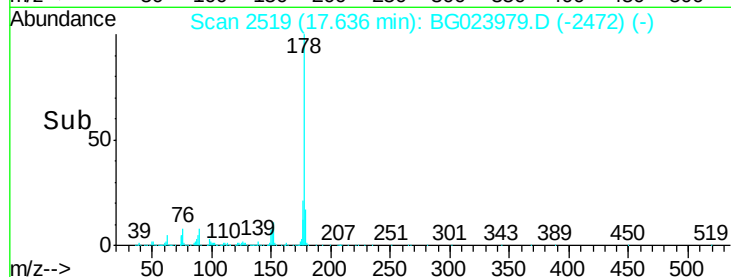
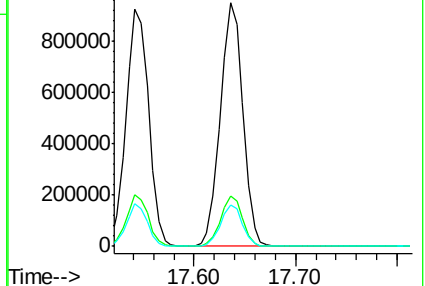
179 17.0 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 42.20 ng

RT: 17.92 min Scan# 2567

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

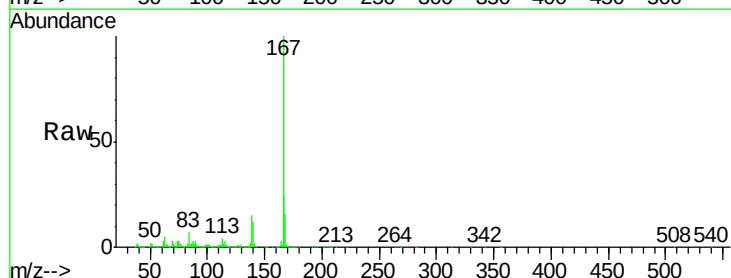
Tgt Ion:167 Resp: 1233758

Ion Ratio Lower Upper

167 100

166 24.6 20.7 31.1

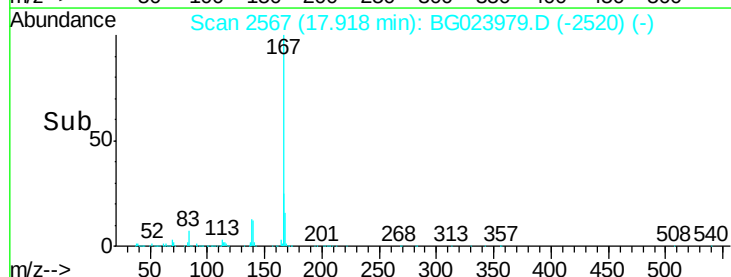
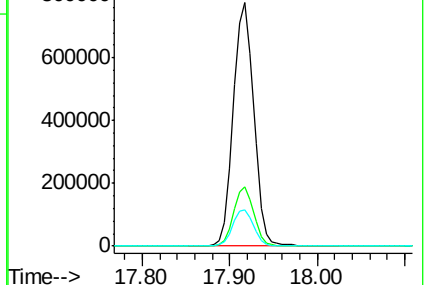
139 14.9 11.9 17.9



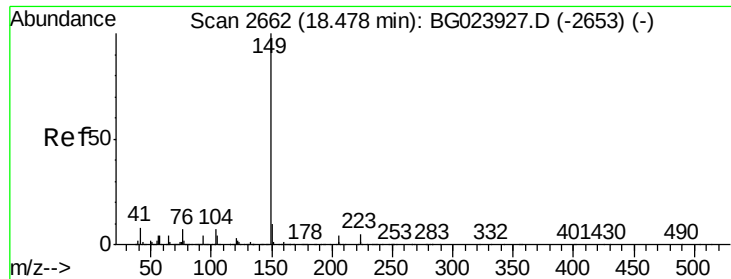
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



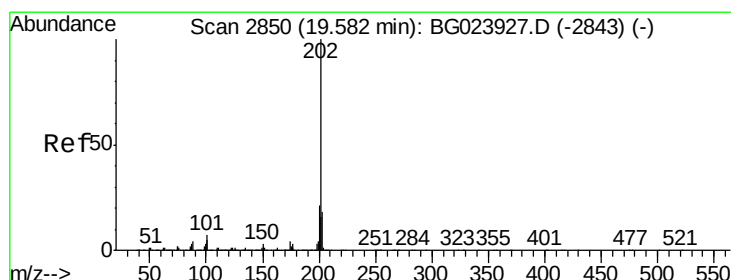
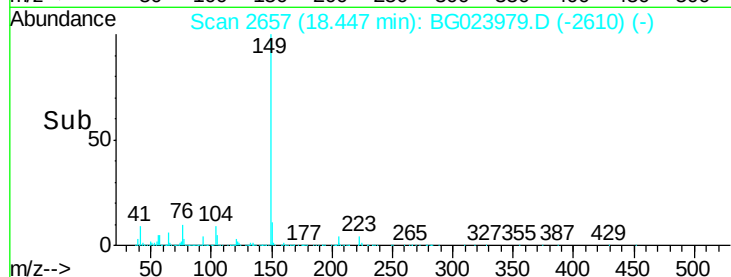
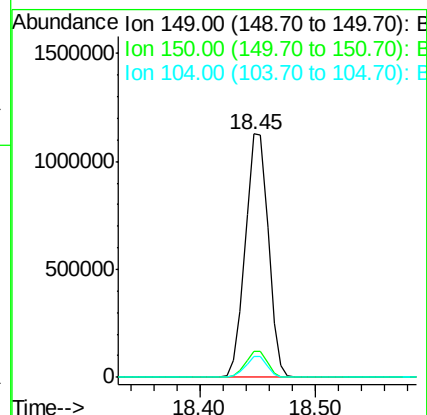
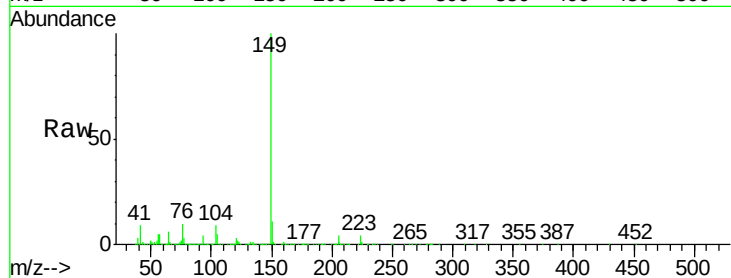




#73  
Di-n-butylphthalate  
Concen: 44.78 ng  
RT: 18.45 min Scan# 2657  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

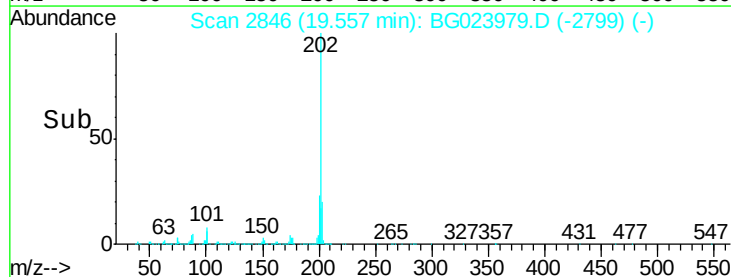
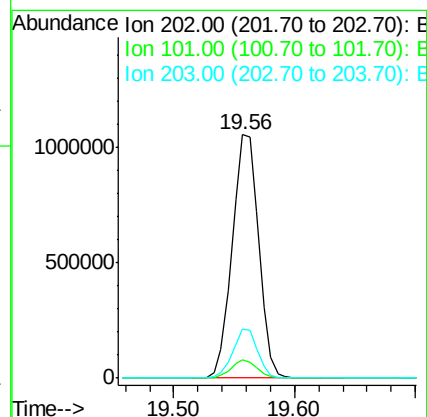
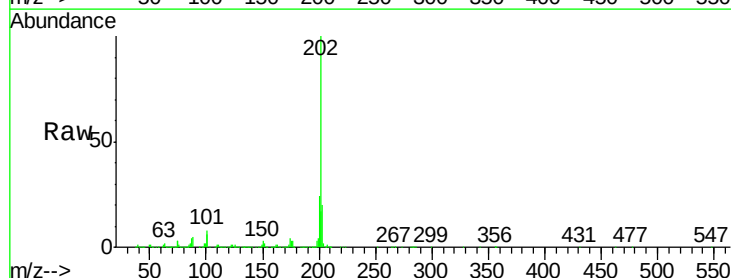
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

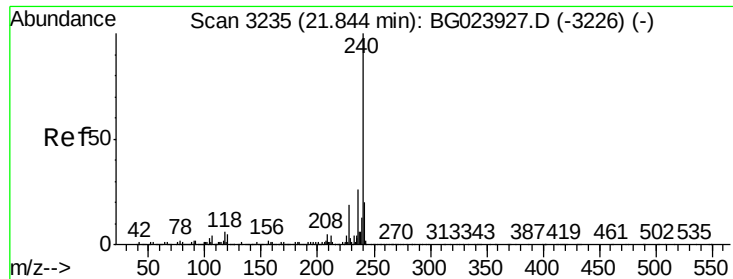
Tgt Ion:149 Resp: 1562158  
Ion Ratio Lower Upper  
149 100  
150 10.8 9.1 13.7  
104 8.7 6.9 10.3



#74  
Fluoranthene  
Concen: 42.10 ng  
RT: 19.56 min Scan# 2846  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

Tgt Ion:202 Resp: 1601006  
Ion Ratio Lower Upper  
202 100  
101 7.5 0.0 27.4  
203 19.9 1.7 41.7

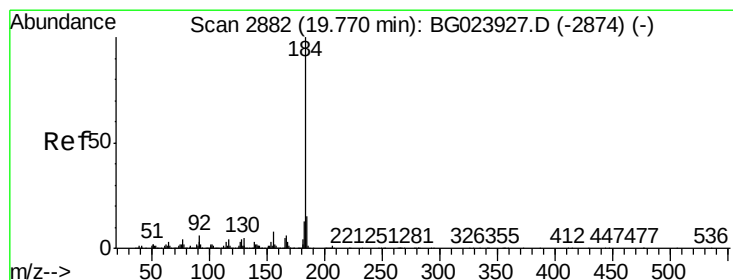
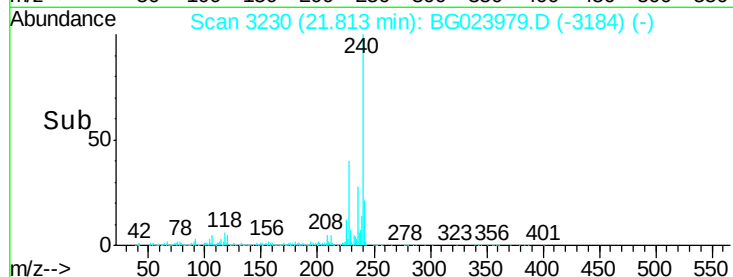
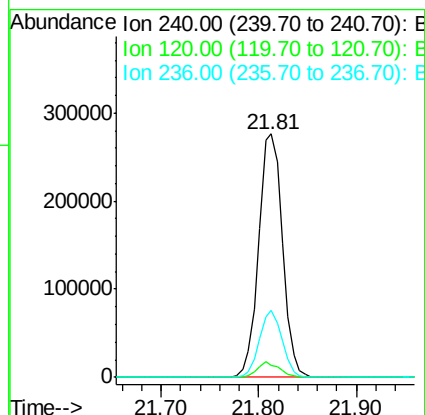
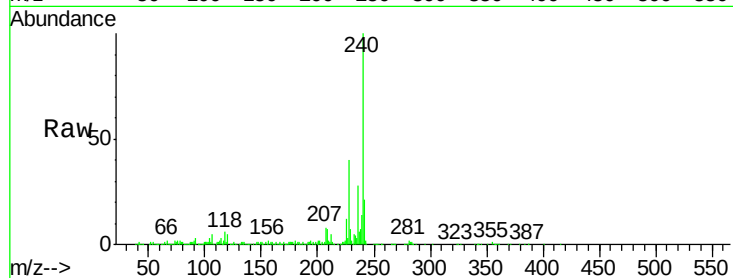




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.81 min Scan# 3230  
Delta R.T. -0.03 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

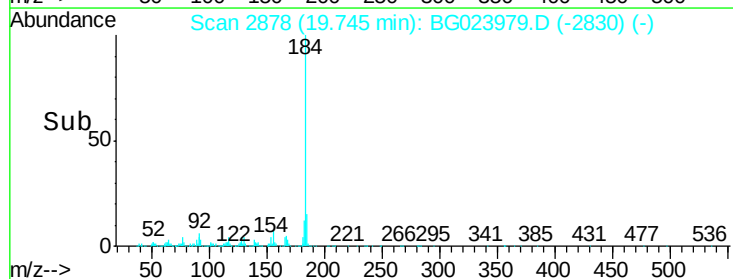
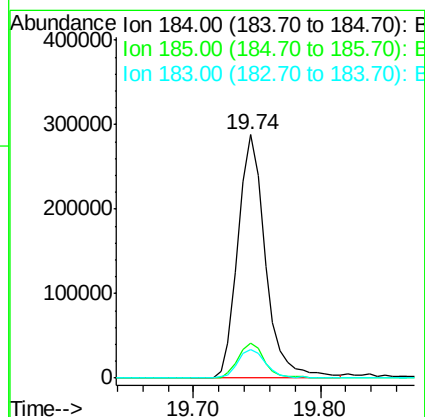
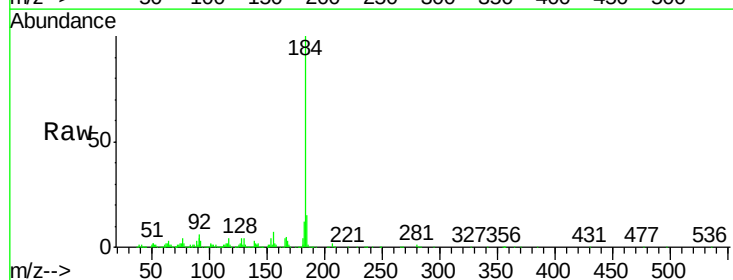
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

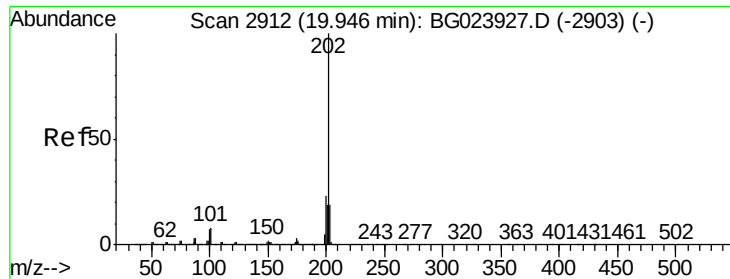
Tgt Ion:240 Resp: 471963  
Ion Ratio Lower Upper  
240 100  
120 5.0 4.1 6.1  
236 27.7 21.1 31.7



#76  
Benzidine  
Concen: 29.75 ng  
RT: 19.74 min Scan# 2878  
Delta R.T. -0.02 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

Tgt Ion:184 Resp: 434815  
Ion Ratio Lower Upper  
184 100  
185 14.6 12.6 19.0  
183 11.5 10.7 16.1

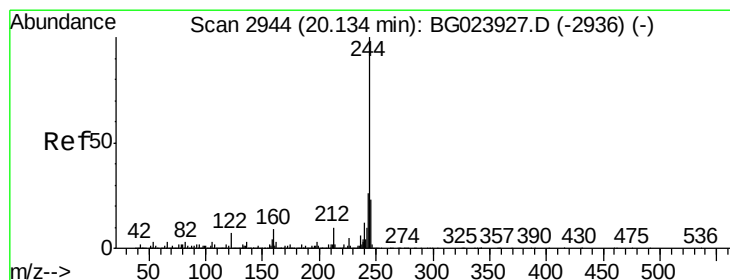
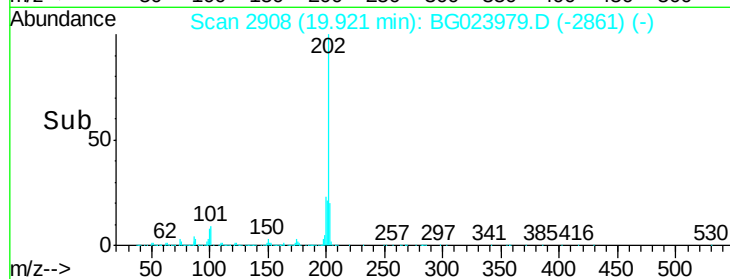
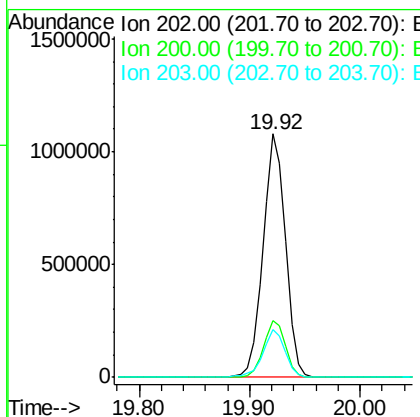
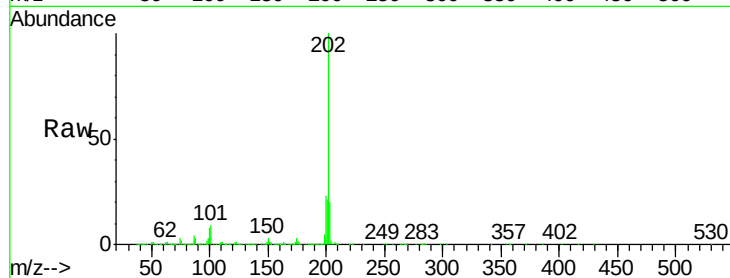




#77  
 Pyrene  
 Concen: 52.82 ng  
 RT: 19.92 min Scan# 2908  
 Delta R.T. -0.03 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

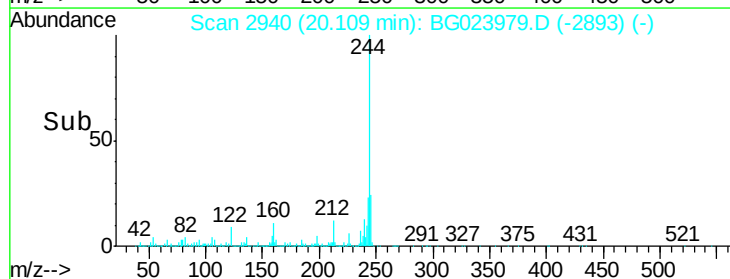
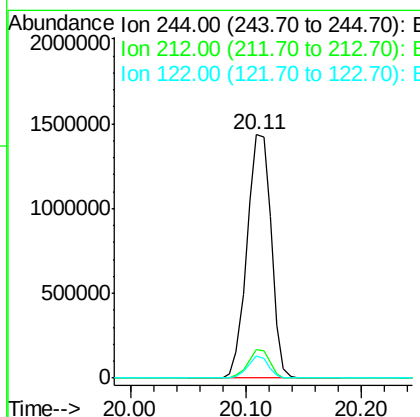
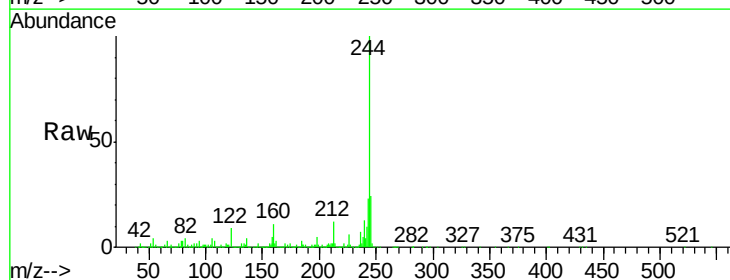
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-CUTTINGSMS

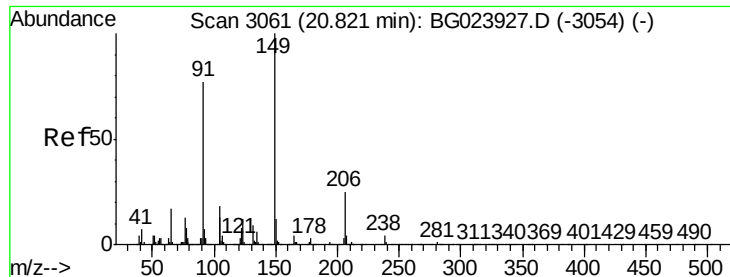
Tgt Ion:202 Resp: 1533222  
 Ion Ratio Lower Upper  
 202 100  
 200 23.2 21.2 31.8  
 203 19.8 16.8 25.2



#78  
 Terphenyl-d14  
 Concen: 100.63 ng  
 RT: 20.11 min Scan# 2940  
 Delta R.T. -0.03 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

Tgt Ion:244 Resp: 2085422  
 Ion Ratio Lower Upper  
 244 100  
 212 11.9 10.8 16.2  
 122 8.9 8.0 12.0





#79

Butylbenzylphthalate

Concen: 49.22 ng

RT: 20.80 min Scan# 3057

Delta R.T. -0.02 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

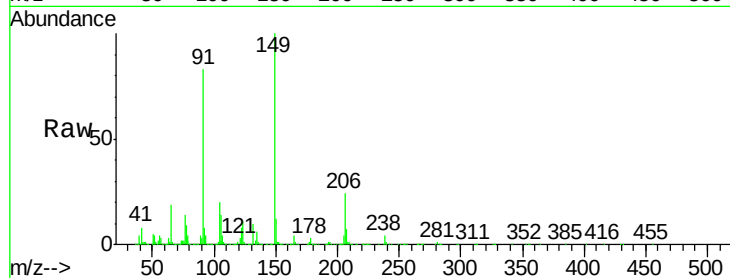
Tgt Ion:149 Resp: 550750

Ion Ratio Lower Upper

149 100

91 83.4 68.1 102.1

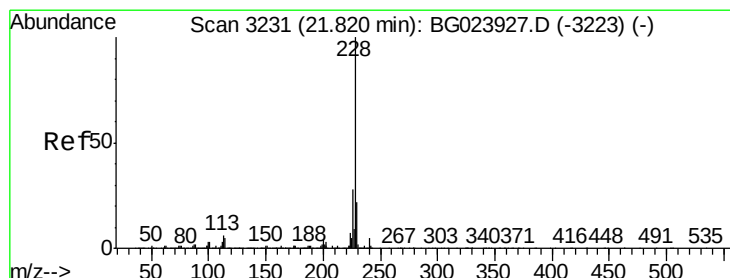
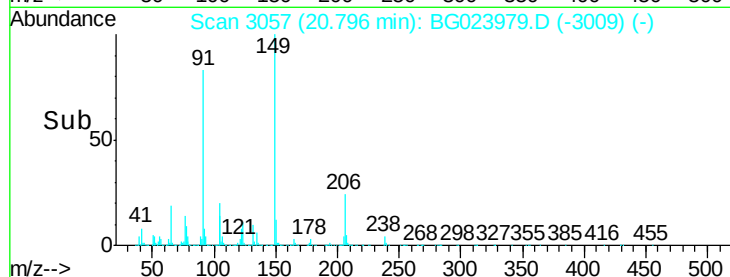
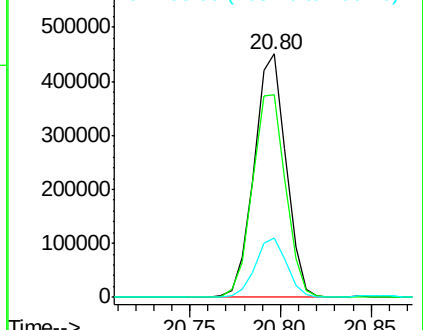
206 24.2 19.8 29.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG023979.D (-3009) (-)

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 48.28 ng

RT: 21.79 min Scan# 3226

Delta R.T. -0.03 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

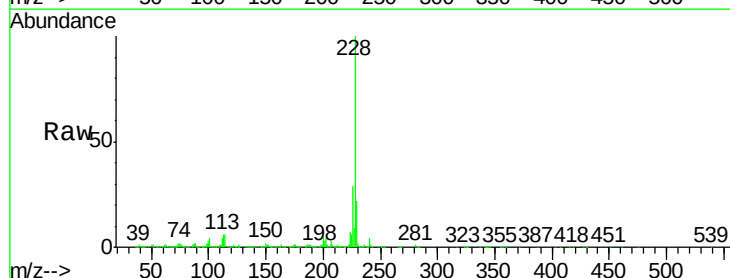
Tgt Ion:228 Resp: 1275547

Ion Ratio Lower Upper

228 100

226 29.3 25.3 37.9

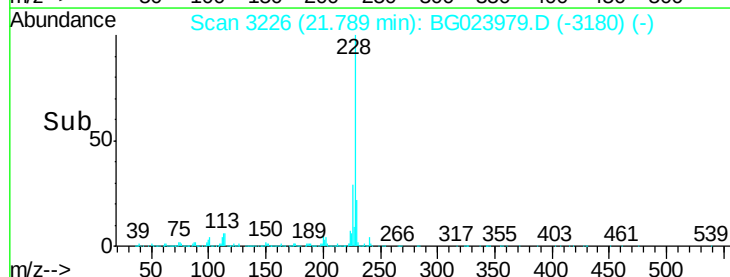
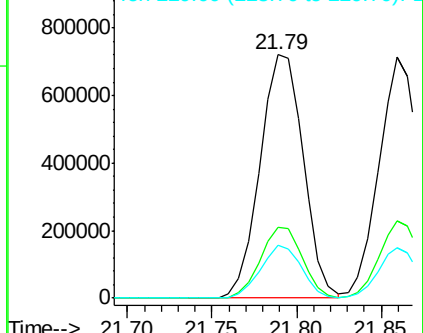
229 21.9 19.9 29.9

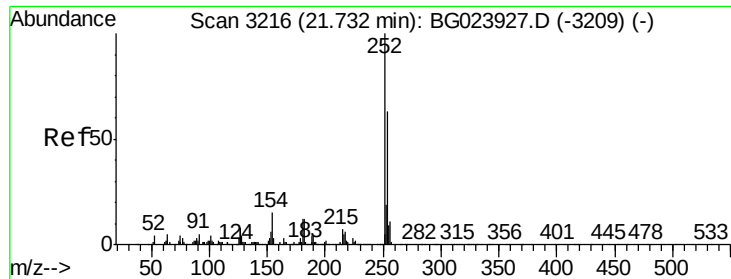


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

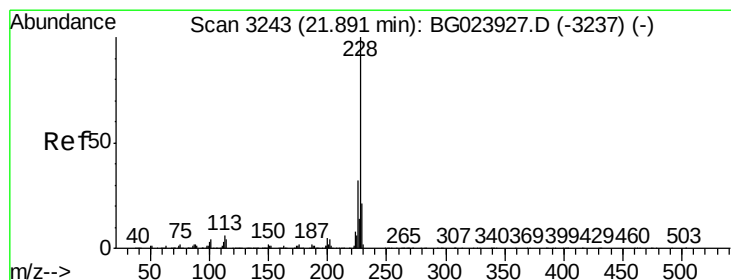
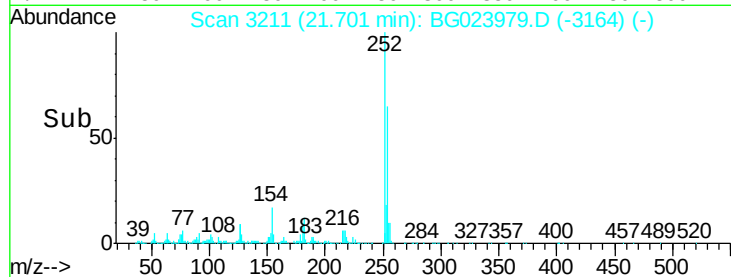
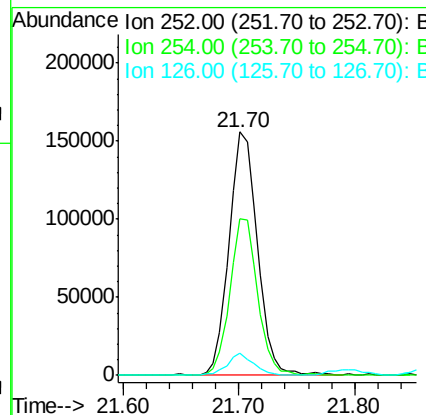
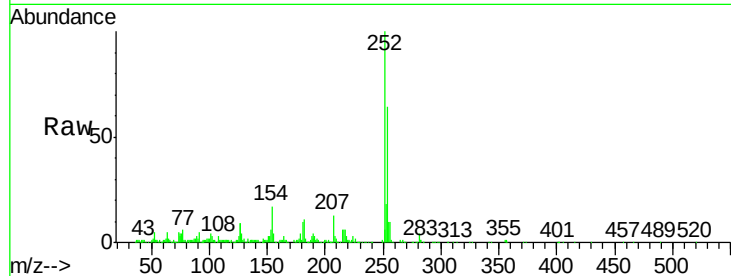




#81  
 3,3'-Dichlorobenzidine  
 Concen: 25.24 ng  
 RT: 21.70 min Scan# 3211  
 Delta R.T. -0.03 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

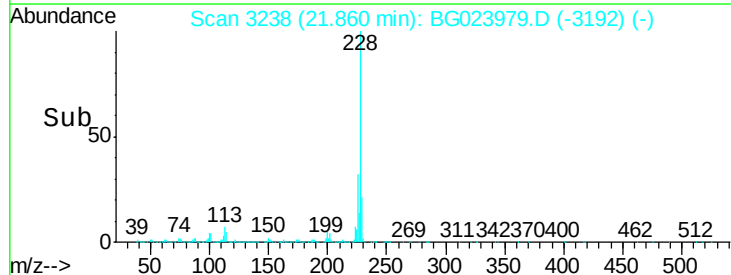
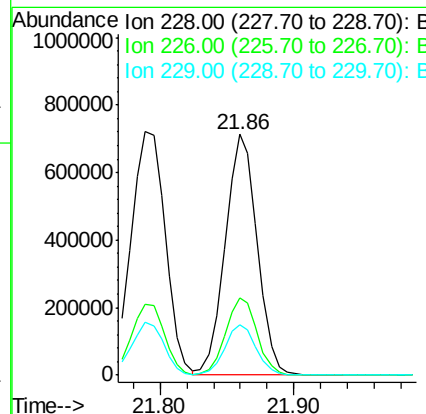
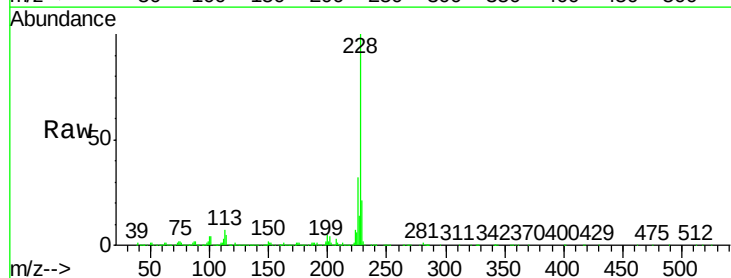
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-CUTTINGSMS

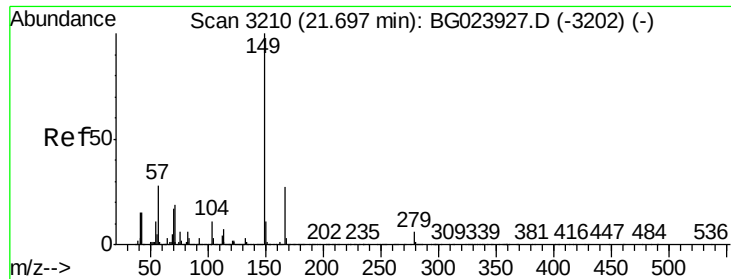
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 266539 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 254      | 64.3  | 51.2  | 76.8   |
| 126      | 8.9   | 5.3   | 7.9#   |



#82  
 Chrysene  
 Concen: 47.44 ng  
 RT: 21.86 min Scan# 3238  
 Delta R.T. -0.03 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 228   | Resp: | 1193141 |
| Ion      | Ratio | Lower | Upper   |
| 228      | 100   |       |         |
| 226      | 32.2  | 26.7  | 40.1    |
| 229      | 20.9  | 17.4  | 26.2    |

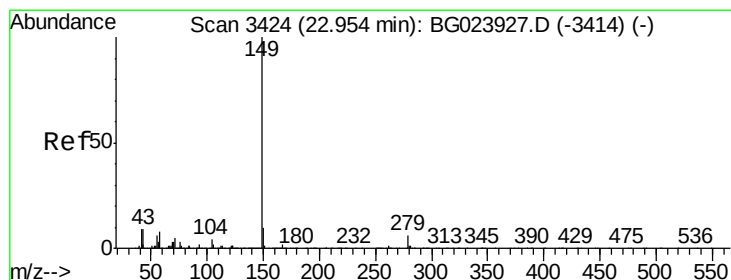
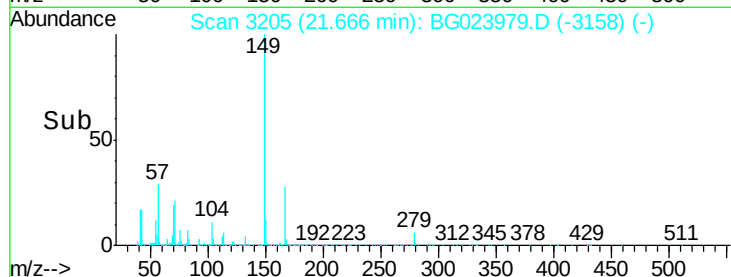
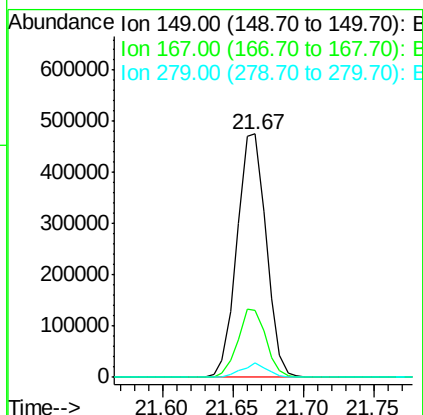
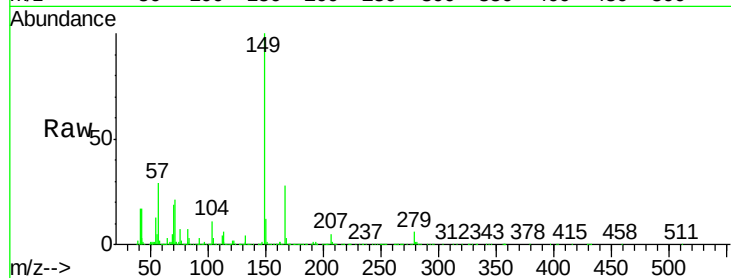




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 44.79 ng  
 RT: 21.67 min Scan# 3205  
 Delta R.T. -0.03 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

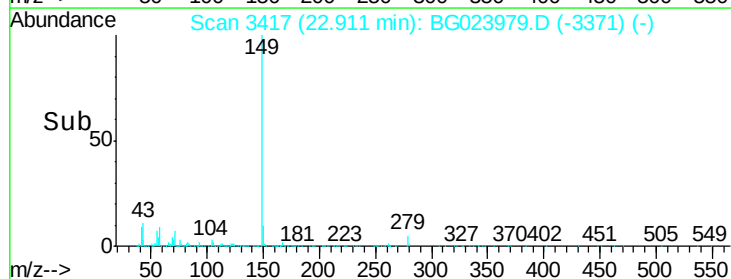
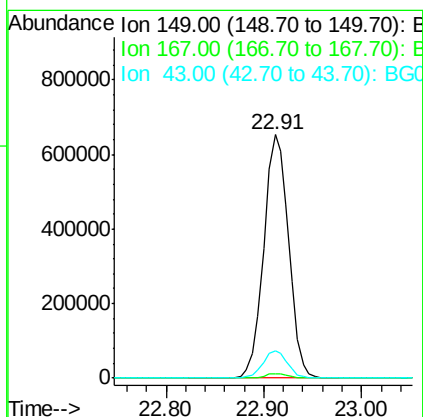
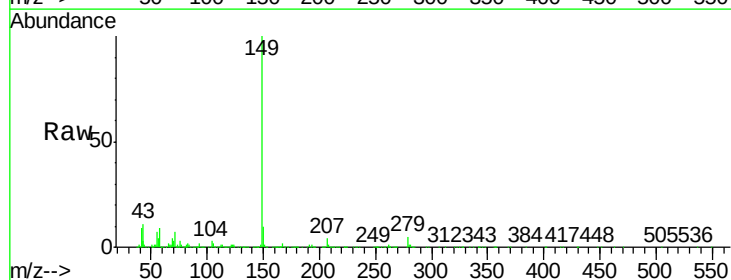
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-CUTTINGSMS

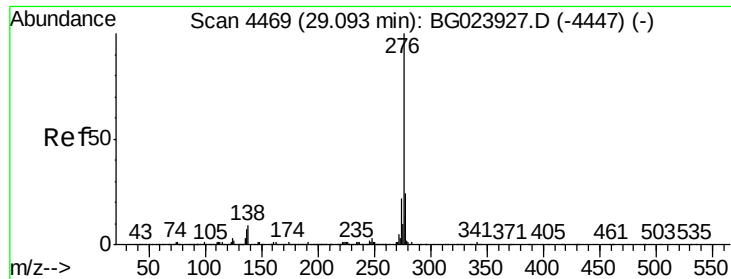
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.6  | 24.0  | 36.0  |
| 279     | 5.8   | 4.8   | 7.2   |



#84  
 Di-n-octyl phthalate  
 Concen: 46.46 ng  
 RT: 22.91 min Scan# 3417  
 Delta R.T. -0.03 min  
 Lab File: BG023979.D  
 Acq: 9 Sep 2016 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.9   | 1.5   | 2.3   |
| 43      | 11.0  | 8.8   | 13.2  |





#85

Indeno(1,2,3-cd)pyrene

Concen: 52.58 ng

RT: 29.01 min Scan# 4456

Delta R.T. -0.07 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

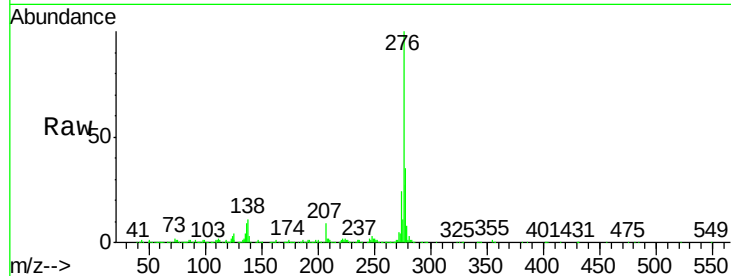
Tgt Ion:276 Resp: 1464098

Ion Ratio Lower Upper

276 100

138 12.9 0.0 0.0#

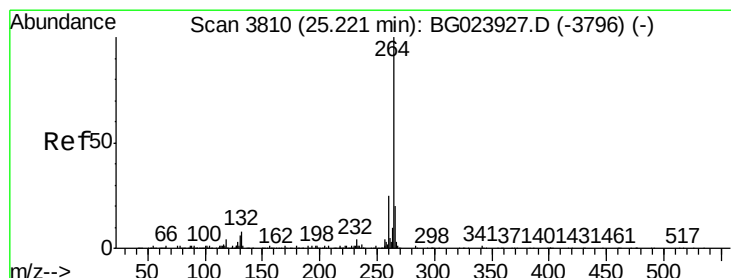
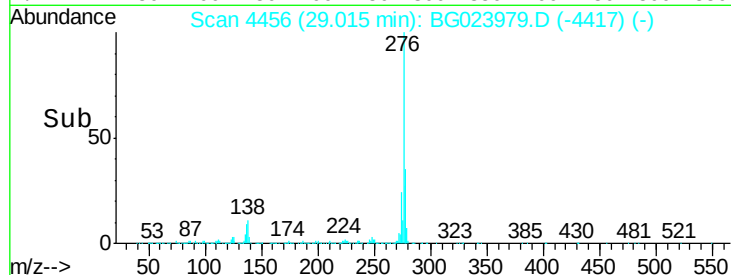
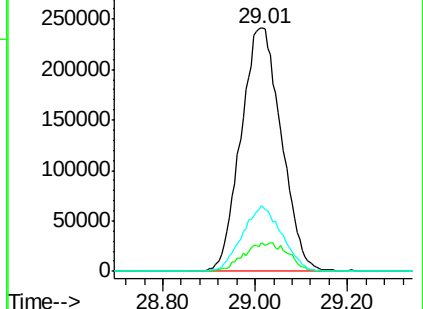
277 26.3 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.17 min Scan# 3801

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

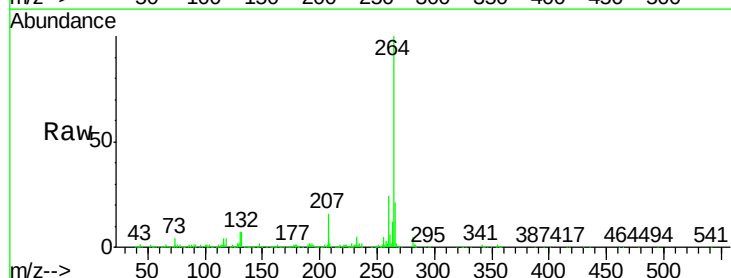
Tgt Ion:264 Resp: 475069

Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

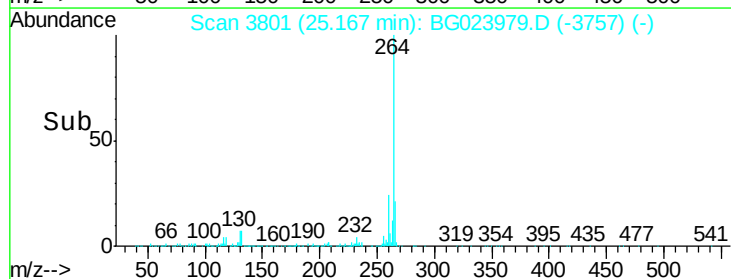
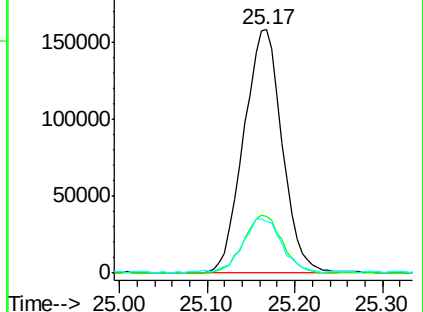
265 21.5 18.9 28.3

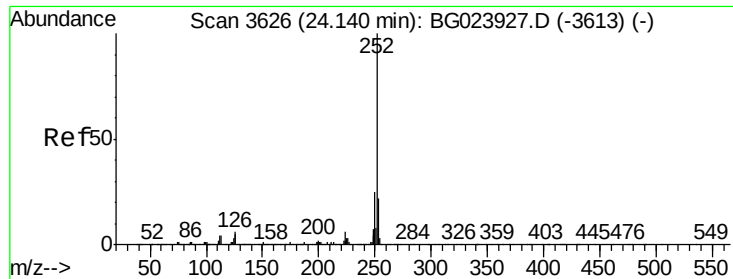


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

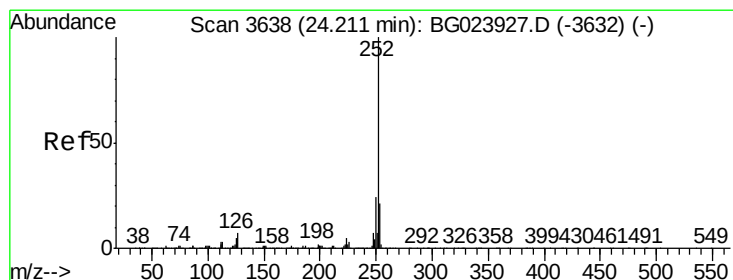
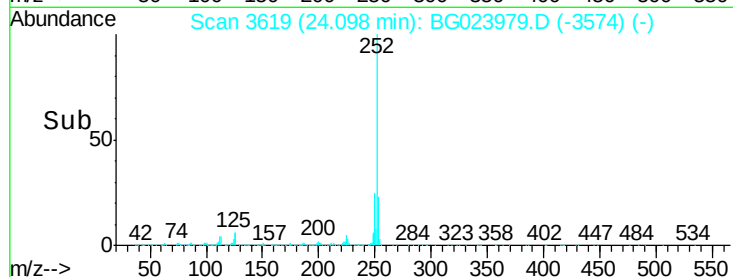
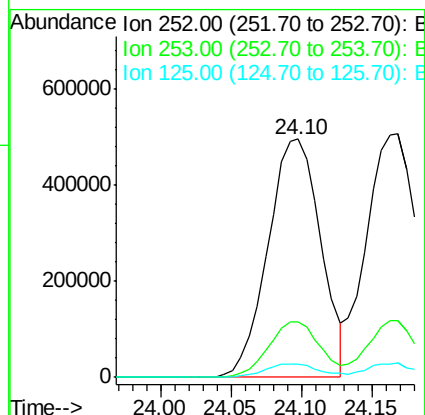
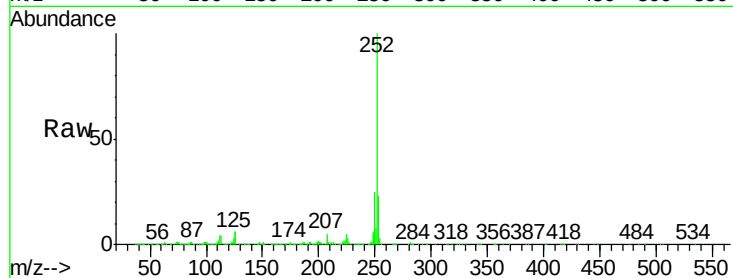




#87  
Benzo(b)fluoranthene  
Concen: 47.87 ng  
RT: 24.10 min Scan# 3619  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

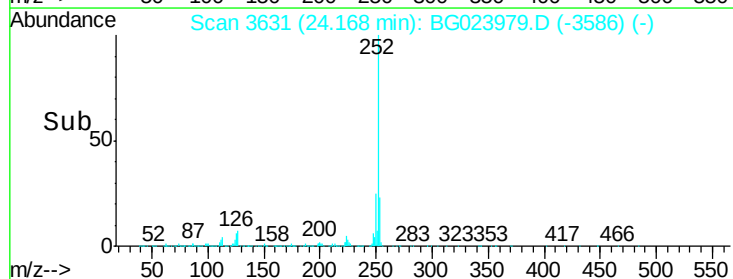
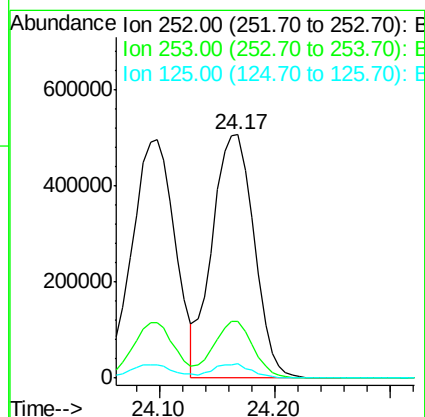
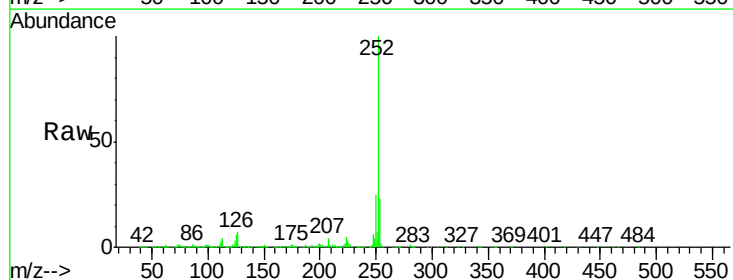
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-CUTTINGSMS

Tgt Ion:252 Resp: 1291816  
Ion Ratio Lower Upper  
252 100  
253 23.5 18.9 28.3  
125 5.7 3.9 5.9

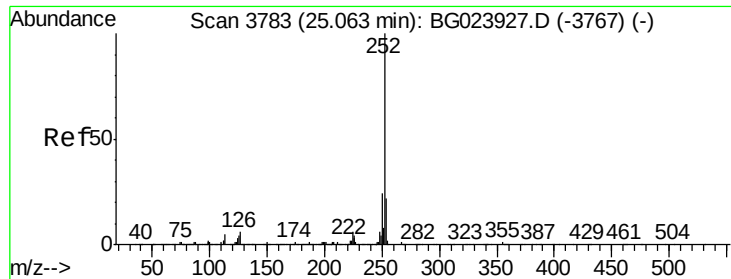


#88  
Benzo(k)fluoranthene  
Concen: 47.47 ng  
RT: 24.17 min Scan# 3631  
Delta R.T. -0.04 min  
Lab File: BG023979.D  
Acq: 9 Sep 2016 18:18

Tgt Ion:252 Resp: 1270354  
Ion Ratio Lower Upper  
252 100  
253 23.3 18.8 28.2  
125 5.8 3.2 4.8#







#89

Benzo(a)pyrene

Concen: 48.67 ng

RT: 25.01 min Scan# 3774

Delta R.T. -0.04 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

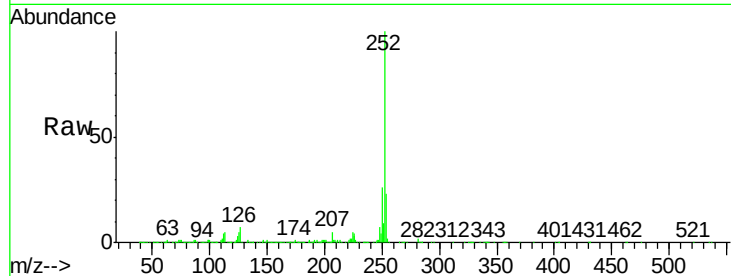
Tgt Ion:252 Resp: 1247234

Ion Ratio Lower Upper

252 100

253 23.1 18.7 28.1

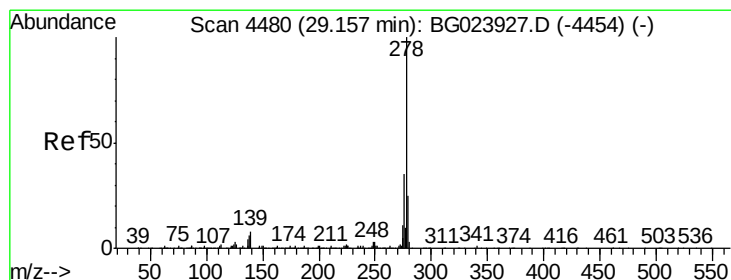
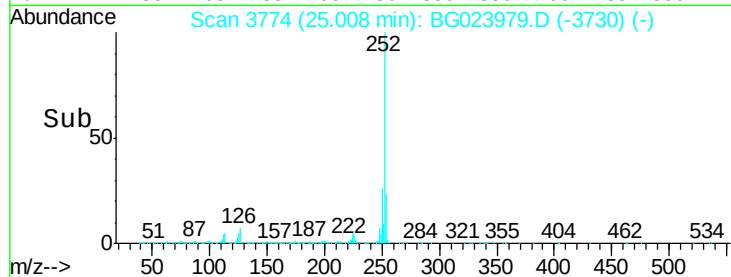
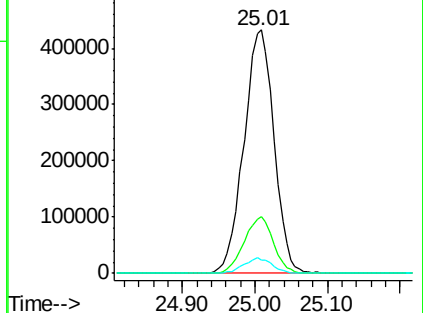
125 5.2 3.9 5.9



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: 48.27 ng

RT: 29.06 min Scan# 4464

Delta R.T. -0.08 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

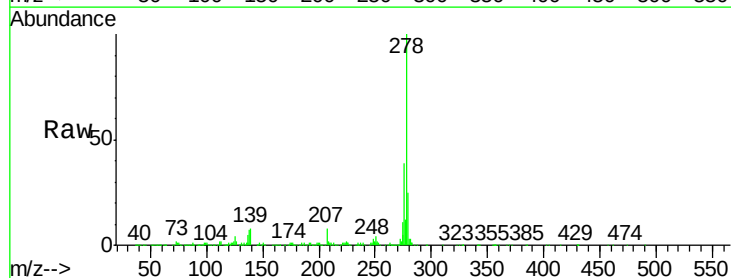
Tgt Ion:278 Resp: 1216640

Ion Ratio Lower Upper

278 100

139 7.9 4.7 7.1#

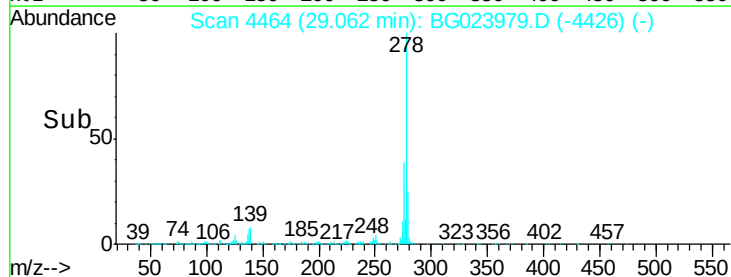
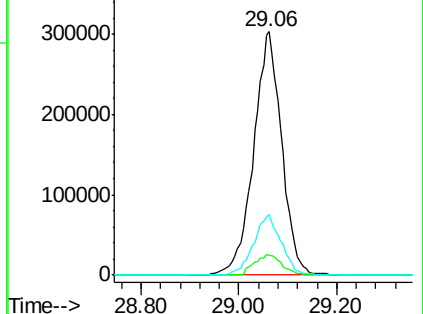
279 25.0 18.3 27.5

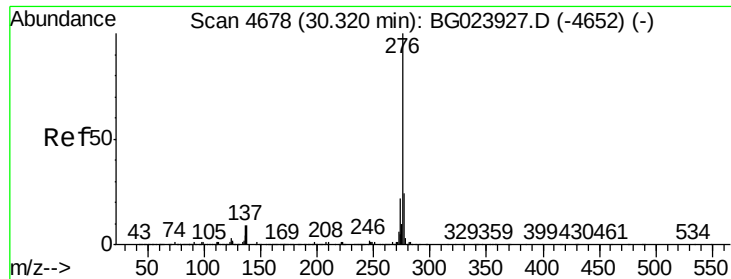


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 50.25 ng

RT: 30.21 min Scan# 4659

Delta R.T. -0.09 min

Lab File: BG023979.D

Acq: 9 Sep 2016 18:18

Instrument :

BNA\_G

ClientSampleId :

SOIL-CUTTINGSMS

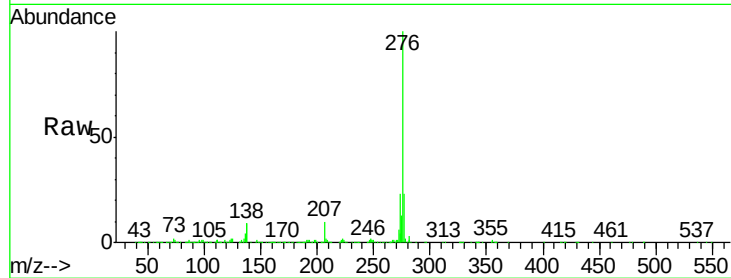
Tgt Ion:276 Resp: 1217871

Ion Ratio Lower Upper

276 100

277 23.4 18.6 27.8

138 9.2 6.8 10.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

