

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071918\  
 Data File : BG035772.D  
 Acq On : 20 Jul 2018 5:52  
 Operator : JU/SJ  
 Sample : J4057-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LS-SOIL-1

Quant Time: Jul 20 07:16:54 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 18 17:45:13 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.03  | 152  | 43654    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.84 | 136  | 150300   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.65 | 164  | 99516    | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 17.39 | 188  | 269235   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 21.66 | 240  | 336570   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 24.85 | 264  | 323307   | 20.00 | ng    | -0.03    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.61  | 112  | 353466   | 134.43 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 424370   | 108.17 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 348745   | 96.93  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.14 | 330  | 205624   | 156.76 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.27 | 172  | 788878   | 106.20 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.00 | 244  | 1598155  | 104.67 | ng    | -0.01    |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.53  | 88   | 96       | 0.072 | ng    | # 1    |
| 3) Pyridine                    | 3.90  | 79   | 116      | 0.033 | ng    | # 1    |
| 4) n-Nitrosodimethylamine      | 3.85  | 42   | 579      | 0.386 | ng    | # 3    |
| 6) Aniline                     | 7.52  | 93   | 62       | 0.012 | ng    | # 41   |
| 8) 2-Chlorophenol              | 7.54  | 128  | 61       | 0.023 | ng    | # 1    |
| 9) Benzaldehyde                | 7.20  | 77   | 880      | 0.366 | ng    | # 5    |
| 10) Phenol                     | 7.25  | 94   | 54       | 0.014 | ng    | # 1    |
| 11) bis(2-Chloroethyl)ether    | 7.52  | 93   | 62       | 0.020 | ng    | # 16   |
| 12) 1,3-Dichlorobenzene        | 7.93  | 146  | 66       | 0.020 | ng    | # 26   |
| 13) 1,4-Dichlorobenzene        | 7.93  | 146  | 66       | 0.020 | ng    | # 23   |
| 14) 1,2-Dichlorobenzene        | 8.36  | 146  | 115      | 0.036 | ng    | # 1    |
| 15) Benzyl Alcohol             | 8.35  | 79   | 6004     | 1.685 | ng    | # 50   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56  | 45   | 159      | 0.061 | ng    | # 75   |
| 18) Hexachloroethane           | 9.48  | 117  | 55       | 0.044 | ng    | # 1    |
| 22) Acetophenone               | 8.87  | 105  | 127      | 0.027 | ng    | # 50   |
| 24) Nitrobenzene               | 9.23  | 77   | 145      | 0.040 | ng    | # 42   |
| 25) Isophorone                 | 9.74  | 82   | 330      | 0.049 | ng    | # 69   |
| 27) 2,4-Dimethylphenol         | 10.22 | 122  | 55       | 0.025 | ng    | # 1    |
| 28) bis(2-Chloroethoxy)methane | 10.35 | 93   | 55       | 0.015 | ng    | # 51   |
| 29) 2,4-Dichlorophenol         | 10.81 | 162  | 57       | 0.023 | ng    | # 23   |
| 30) 1,2,4-Trichlorobenzene     | 10.87 | 180  | 57       | 0.019 | ng    | # 12   |
| 31) Naphthalene                | 10.88 | 128  | 1247     | 0.159 | ng    | # 68   |
| 32) Benzoic acid               | 10.22 | 122  | 55       | 0.038 | ng    | # 1    |
| 33) 4-Chloroaniline            | 10.90 | 127  | 135      | 0.040 | ng    | # 46   |
| 35) Caprolactam                | 12.16 | 113  | 62       | 0.058 | ng    | # 1    |
| 36) 4-Chloro-3-methylphenol    | 12.31 | 107  | 60       | 0.018 | ng    | # 22   |
| 37) 2-Methylnaphthalene        | 12.46 | 142  | 56       | 0.010 | ng    | # 17   |
| 40) Hexachlorocyclopentadiene  | 13.03 | 237  | 95       | 0.048 | ng    | # 22   |
| 45) 1,1'-Biphenyl              | 13.49 | 154  | 739      | 0.096 | ng    | # 87   |
| 46) 2-Chloronaphthalene        | 13.74 | 162  | 54       | 0.009 | ng    | # 39   |
| 47) 2-Nitroaniline             | 13.76 | 65   | 57       | 0.027 | ng    | # 9    |
| 48) Acenaphthylene             | 14.51 | 152  | 92       | 0.009 | ng    | # 59   |
| 49) Dimethylphthalate          | 14.14 | 163  | 75       | 0.009 | ng    | # 77   |
| 51) Acenaphthene               | 14.72 | 154  | 1082     | 0.173 | ng    | # 83   |

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Quant Time: Jul 20 07:16:54 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 18 17:45:13 2018  
 Response via : Initial Calibration

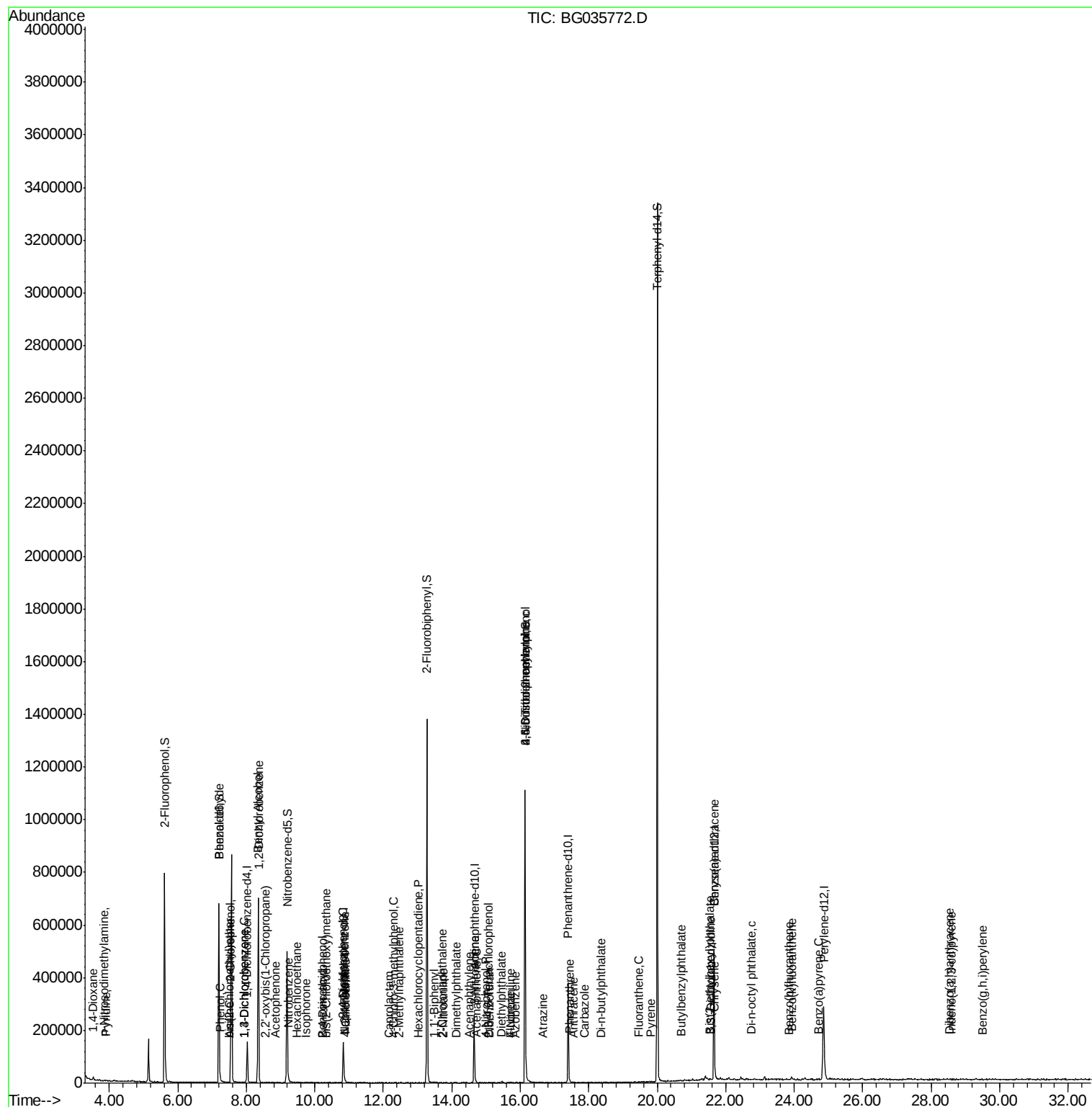
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 52) 3-Nitroaniline             | 14.67 | 138  | 90       | 0.050 | ng    | # 1      |
| 54) Dibenzofuran               | 15.09 | 168  | 567      | 0.057 | ng    | # 46     |
| 55) 4-Nitrophenol              | 14.99 | 139  | 56       | 0.043 | ng    | # 1      |
| 57) Fluorene                   | 15.72 | 166  | 836      | 0.100 | ng    | # 41     |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.07 | 232  | 58       | 0.025 | ng    | # 40     |
| 59) Diethylphthalate           | 15.46 | 149  | 5773     | 0.644 | ng    | # 90     |
| 61) 4-Nitroaniline             | 15.72 | 138  | 78       | 0.041 | ng    | # 12     |
| 62) Azobenzene                 | 15.86 | 77   | 60       | 0.007 | ng    | # 48     |
| 64) 4,6-Dinitro-2-methylphenol | 16.13 | 198  | 802      | 0.535 | ng    | # 27     |
| 65) n-Nitrosodiphenylamine     | 16.14 | 169  | 8565     | 1.118 | ng    | # 53     |
| 68) Atrazine                   | 16.66 | 200  | 66       | 0.021 | ng    | # 35     |
| 70) Phenanthrene               | 17.44 | 178  | 1932     | 0.144 | ng    | # 60     |
| 71) Anthracene                 | 17.54 | 178  | 77       | 0.006 | ng    | # 59     |
| 72) Carbazole                  | 17.86 | 167  | 57       | 0.004 | ng    | # 59     |
| 73) Di-n-butylphthalate        | 18.36 | 149  | 1123     | 0.075 | ng    | # 78     |
| 74) Fluoranthene               | 19.46 | 202  | 1536     | 0.085 | ng    | # 82     |
| 77) Pyrene                     | 19.82 | 202  | 1302     | 0.061 | ng    | # 94     |
| 79) Butylbenzylphthalate       | 20.69 | 149  | 142      | 0.019 | ng    | # 20     |
| 80) Benzo(a)anthracene         | 21.65 | 228  | 1490     | 0.071 | ng    | # 64     |
| 81) 3,3'-Dichlorobenzidine     | 21.56 | 252  | 54       | 0.007 | ng    | # 26     |
| 82) Chrysene                   | 21.69 | 228  | 107      | 0.006 | ng    | # 49     |
| 83) Bis(2-ethylhexyl)phthalate | 21.53 | 149  | 568      | 0.055 | ng    | # 50     |
| 84) Di-n-octyl phthalate       | 22.74 | 149  | 1271     | 0.073 | ng    | # 68     |
| 85) Indeno(1,2,3-cd)pyrene     | 28.60 | 276  | 56       | 0.003 | ng    | # 1      |
| 87) Benzo(b)fluoranthene       | 23.84 | 252  | 677      | 0.034 | ng    | # 59     |
| 88) Benzo(k)fluoranthene       | 23.92 | 252  | 1194     | 0.062 | ng    | # 60     |
| 89) Benzo(a)pyrene             | 24.71 | 252  | 407      | 0.022 | ng    | # 59     |
| 90) Dibenzo(a,h)anthracene     | 28.54 | 278  | 57       | 0.003 | ng    | # 58     |
| 91) Benzo(a,h,i)perylene       | 29.51 | 276  | 86       | 0.005 | ng    | # 56     |

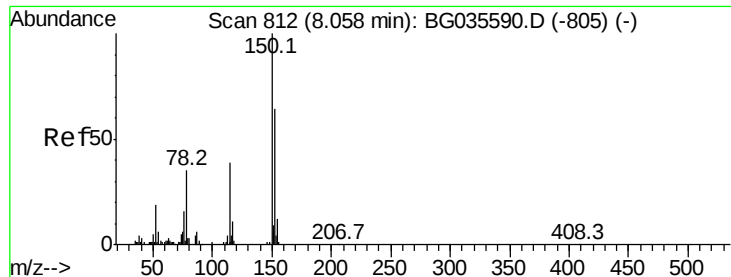
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.03 min Scan# 807

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

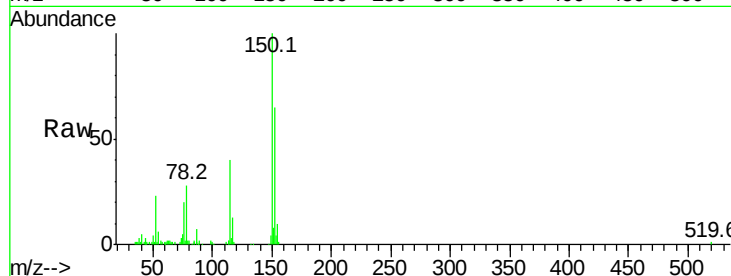
Tot Ion:152 Resp: 43654

Ion Ratio Lower Upper

152 100

150 153.6 126.6 189.8

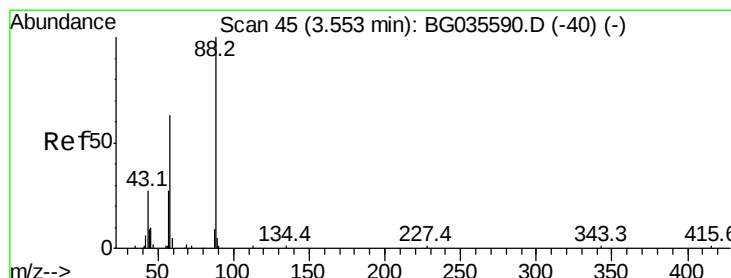
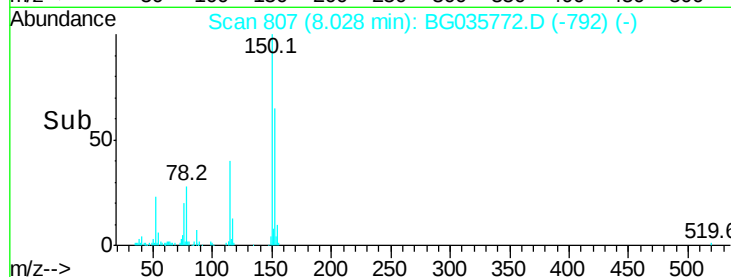
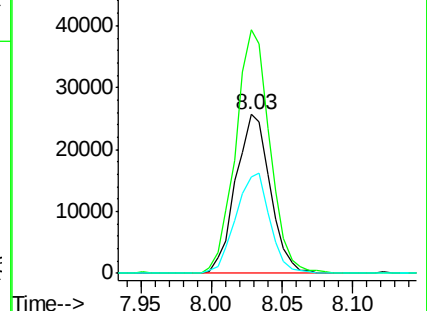
115 60.9 53.0 79.4



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: 0.072 ng

RT: 3.53 min Scan# 41

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

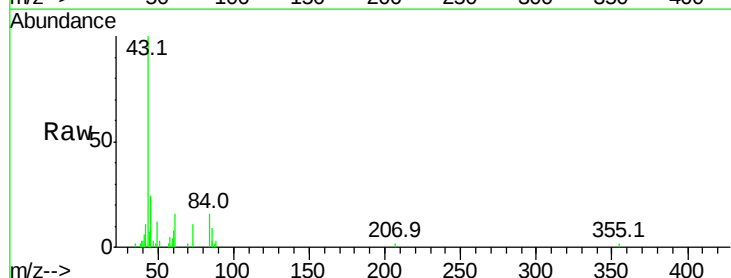
Tgt Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

58 932.3 79.6 119.4#

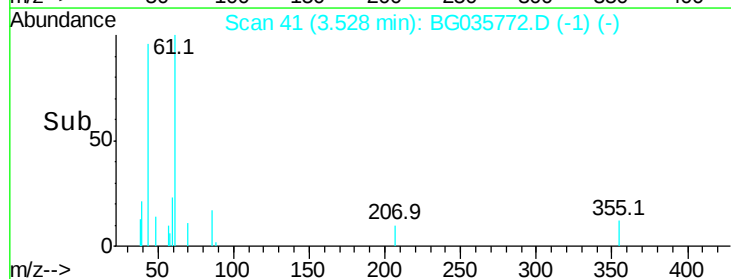
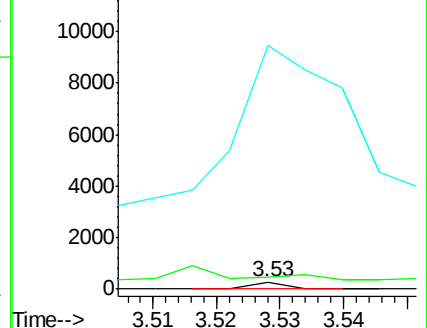
43 11377.1 27.4 41.0#

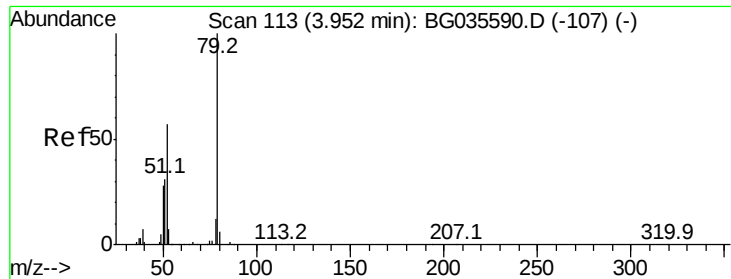


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.033 ng

RT: 3.90 min Scan# 104

Delta R.T. -0.04 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

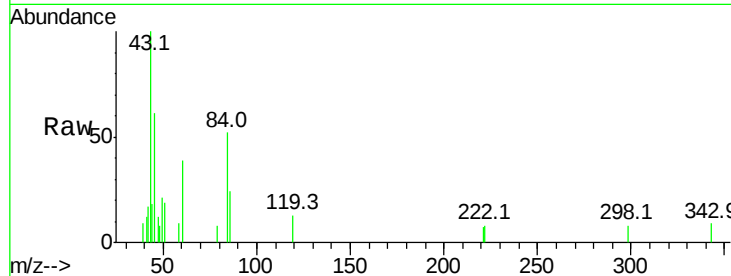
Tot Ion: 79 Resp: 116

Ion Ratio Lower Upper

79 100

52 0.0 69.9 104.9#

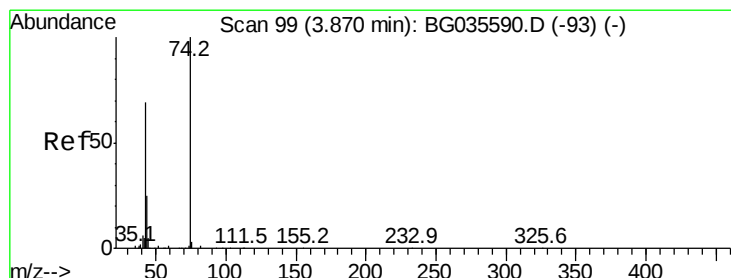
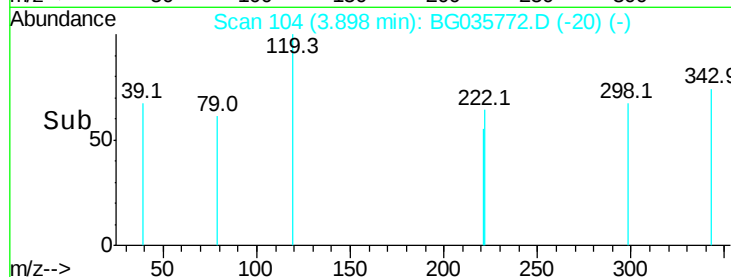
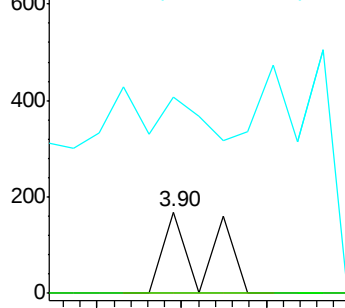
51 241.4 34.0 51.0#



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: 0.386 ng

RT: 3.85 min Scan# 95

Delta R.T. -0.00 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

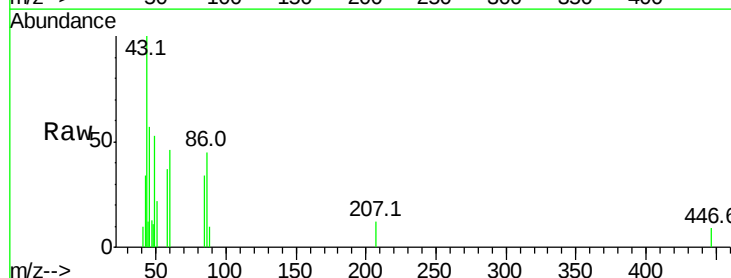
Tgt Ion: 42 Resp: 579

Ion Ratio Lower Upper

42 100

74 0.0 102.5 153.7#

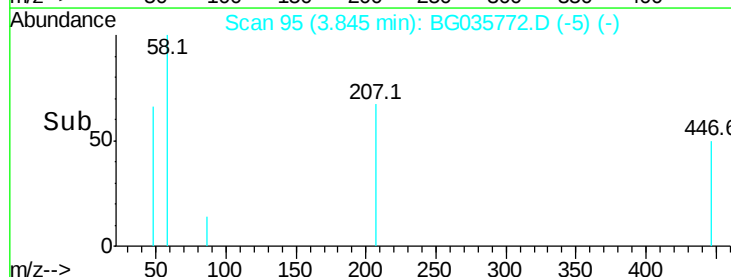
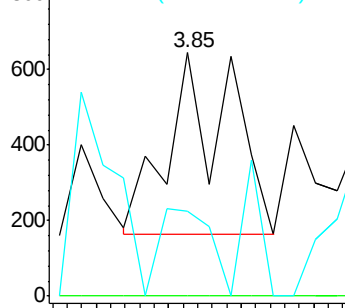
44 35.0 18.9 28.3#



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: 134.429 ng

RT: 5.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

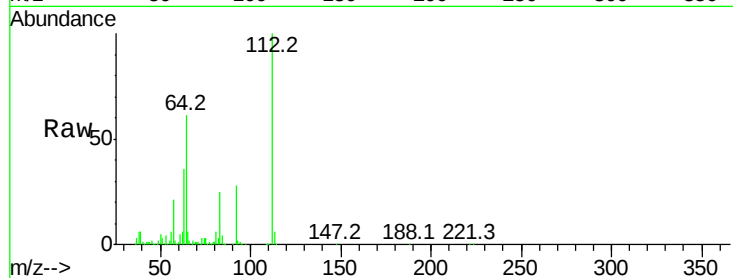
Tot Ion:112 Resp: 353466

Ion Ratio Lower Upper

112 100

64 61.4 56.3 84.5

63 36.1 30.1 45.1



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

250000

200000

150000

100000

50000

0

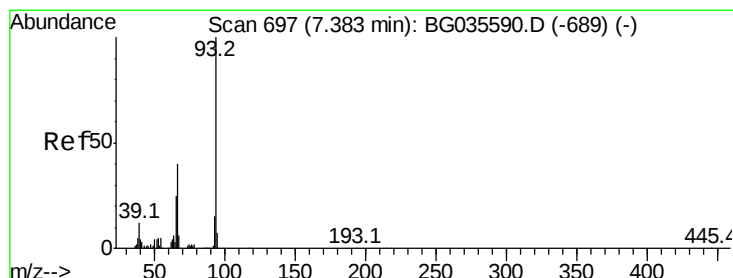
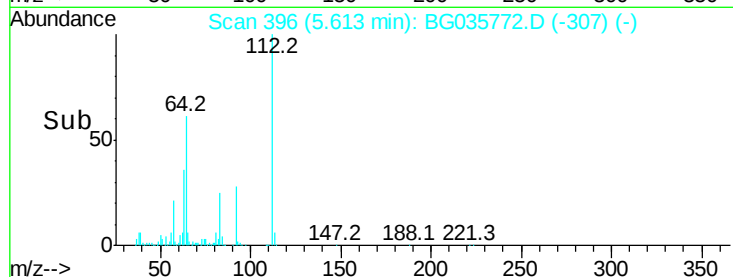
5.50

5.60

5.70

5.80

Time-->



#6

Aniline

Concen: 0.012 ng

RT: 7.52 min Scan# 720

Delta R.T. 0.15 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

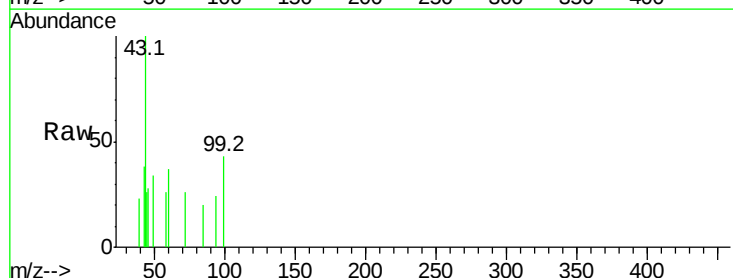
Tgt Ion: 93 Resp: 62

Ion Ratio Lower Upper

93 100

66 0.0 33.7 50.5#

65 0.0 16.1 24.1#



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

10000

8000

6000

4000

2000

0

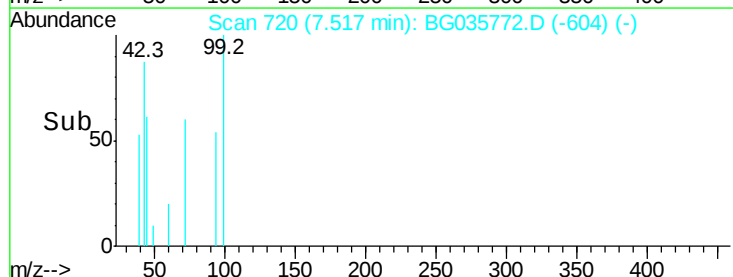
7.50

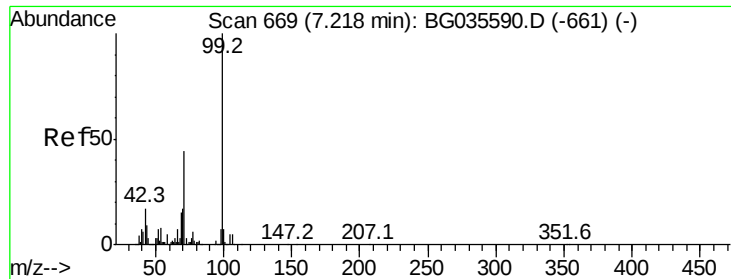
7.51

7.52

7.53

Time-->





#7

Phenol-d6

Concen: 108.174 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

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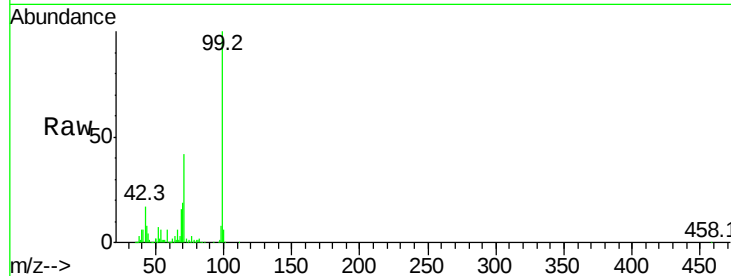
Tot Ion: 99 Resp: 424370

Ion Ratio Lower Upper

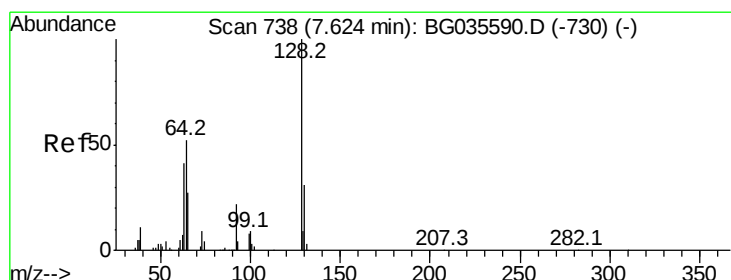
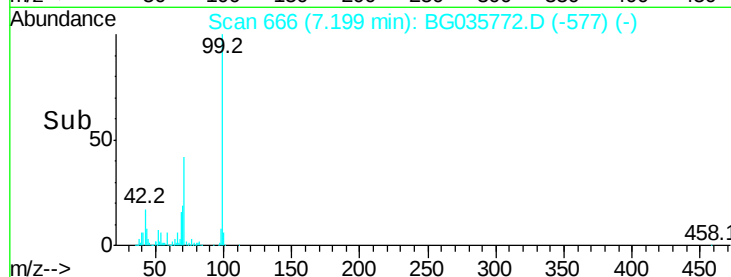
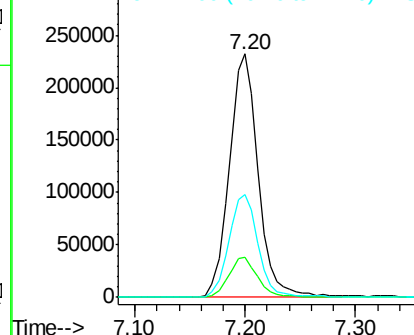
99 100

42 16.6 14.1 21.1

71 42.2 26.1 39.1#



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: 0.023 ng

RT: 7.54 min Scan# 724

Delta R.T. -0.07 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

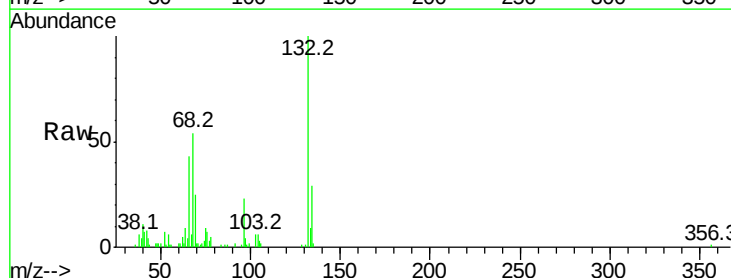
Tgt Ion:128 Resp: 61

Ion Ratio Lower Upper

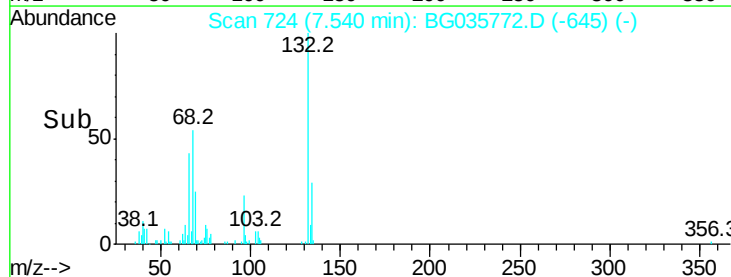
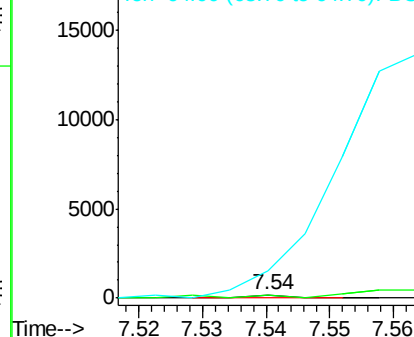
128 100

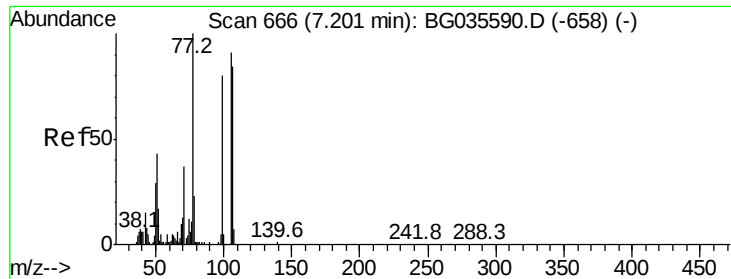
130 106.3 14.0 54.0#

64 878.7 37.7 77.7#



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: 0.366 ng

RT: 7.20 min Scan# 666

Delta R.T. 0.02 min

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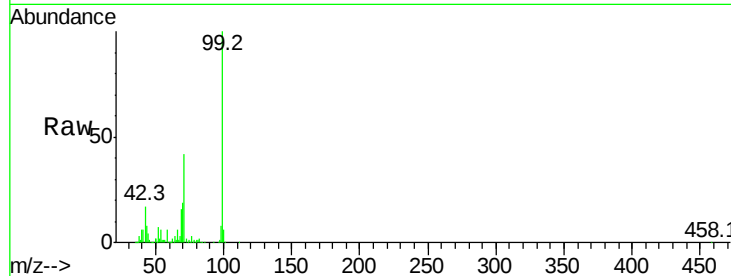
Tot Ion: 77 Resp: 880

Ion Ratio Lower Upper

77 100

105 0.0 71.3 111.3#

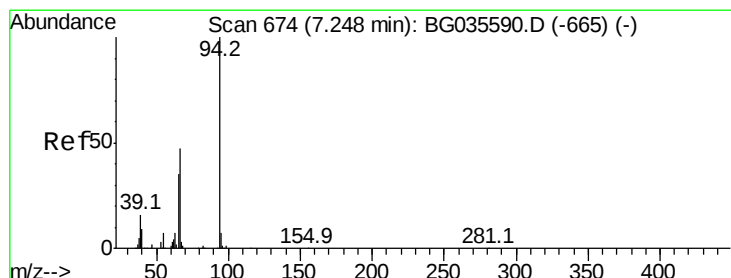
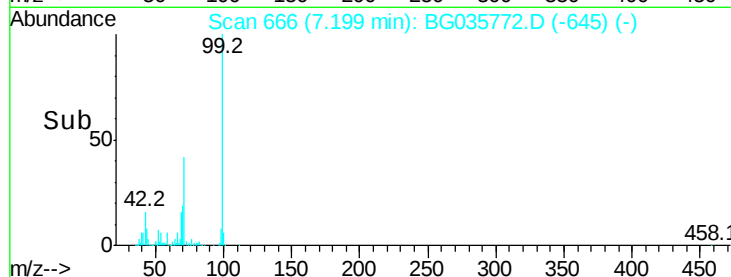
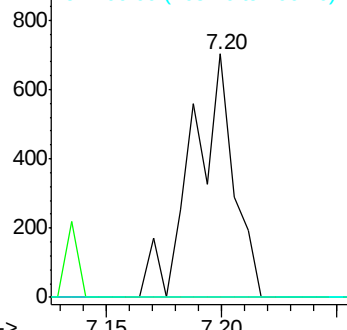
106 0.0 64.2 104.2#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 0.014 ng

RT: 7.25 min Scan# 674

Delta R.T. 0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

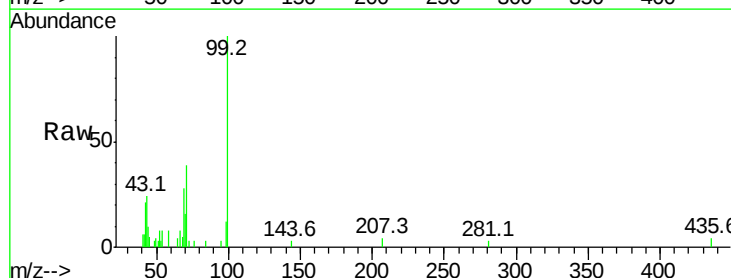
Tgt Ion: 94 Resp: 54

Ion Ratio Lower Upper

94 100

65 0.0 11.9 51.9#

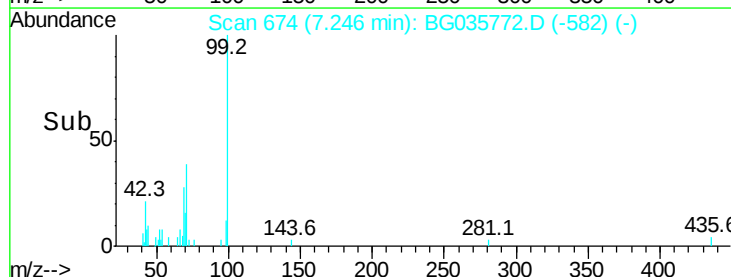
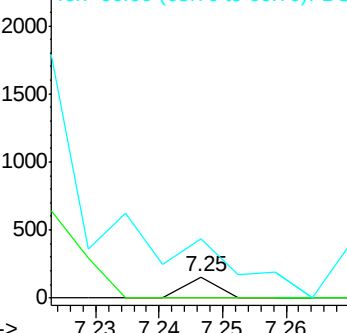
66 282.4 22.2 62.2#

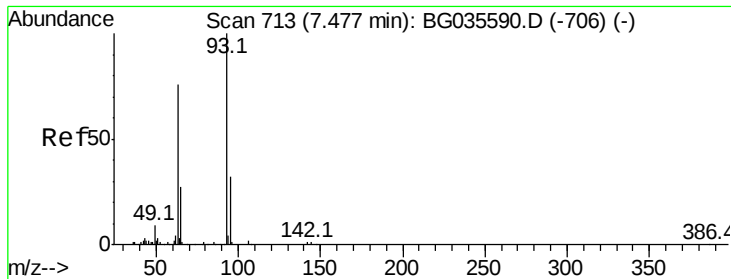


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

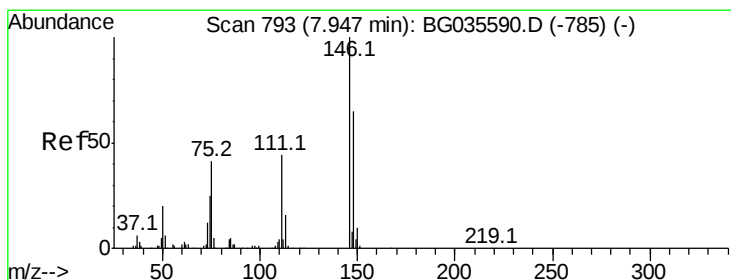
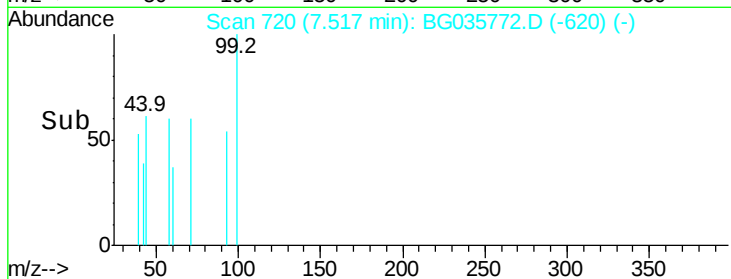
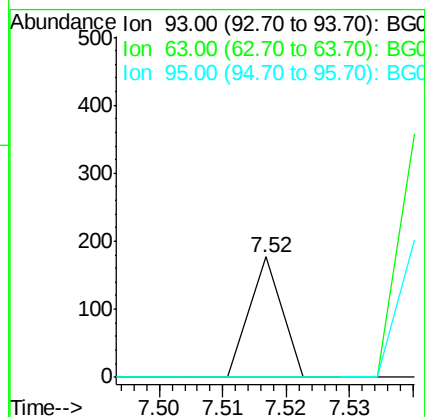
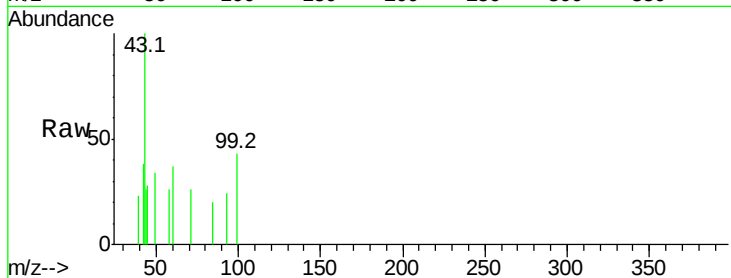




#11  
bis(2-Chloroethyl)ether  
Concen: 0.020 ng  
RT: 7.52 min Scan# 720  
Delta R.T. 0.06 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

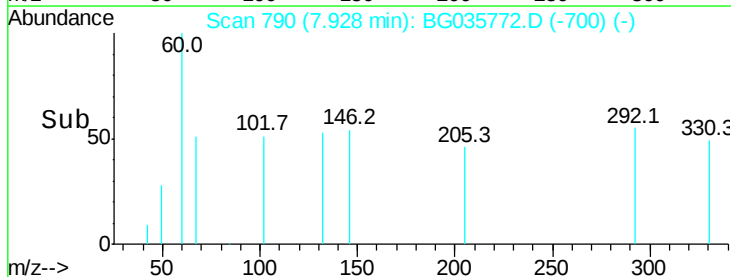
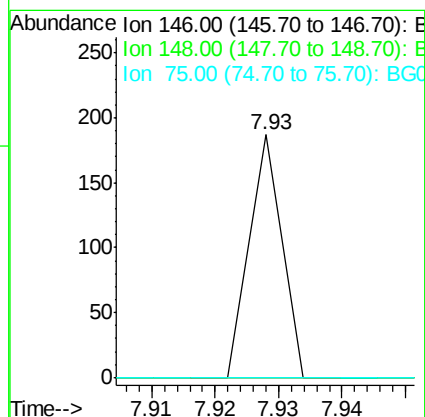
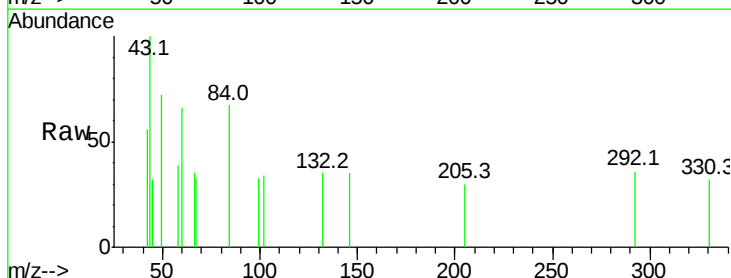
Instrument :  
BNA\_G  
ClientSampleId :  
LS-SOIL-1

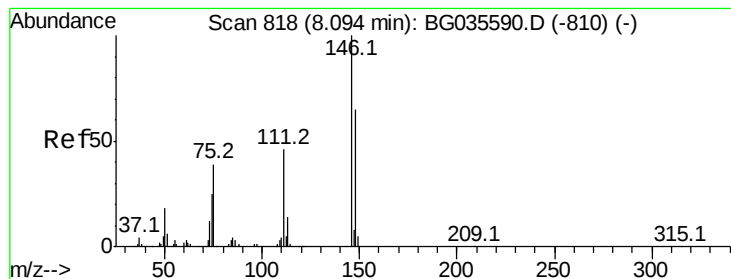
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 93      | 100   |       |        |
| 63      | 0.0   | 67.1  | 107.1# |
| 95      | 0.0   | 11.5  | 51.5#  |



#12  
1,3-Dichlorobenzene  
Concen: 0.020 ng  
RT: 7.93 min Scan# 790  
Delta R.T. -0.00 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 0.0   | 51.4  | 77.2# |
| 75      | 0.0   | 26.6  | 39.8# |





#13

1,4-Dichlorobenzene

Concen: 0.020 ng

RT: 7.93 min Scan# 790

Delta R.T. -0.15 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampled :

LS-SOIL-1

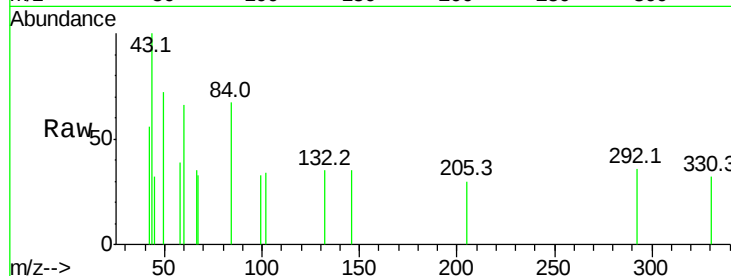
Tot Ion:146 Resp: 66

Ion Ratio Lower Upper

146 100

148 0.0 53.7 80.5#

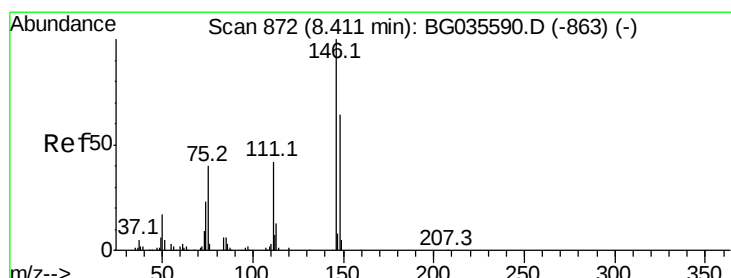
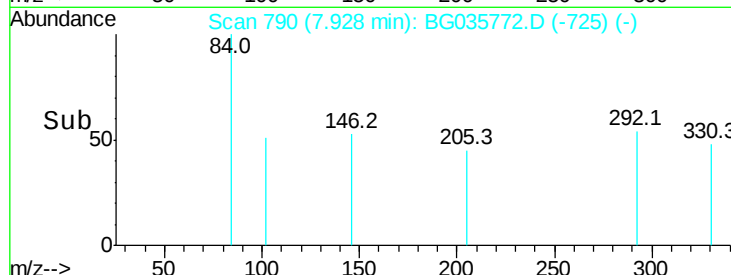
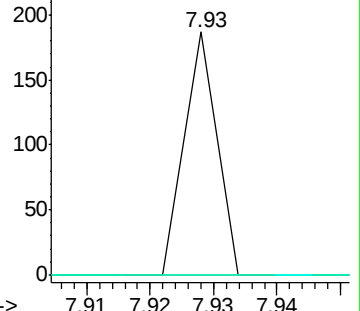
111 0.0 35.2 52.8#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 0.036 ng

RT: 8.36 min Scan# 864

Delta R.T. -0.03 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

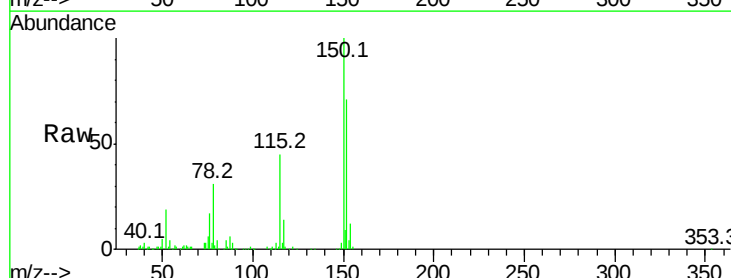
Tgt Ion:146 Resp: 115

Ion Ratio Lower Upper

146 100

148 0.0 49.3 73.9#

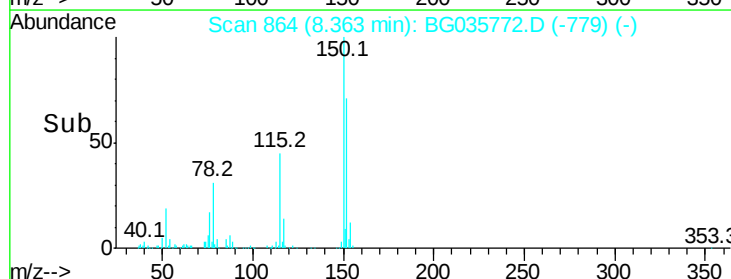
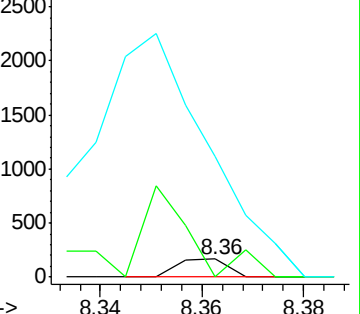
111 673.5 34.3 51.5#

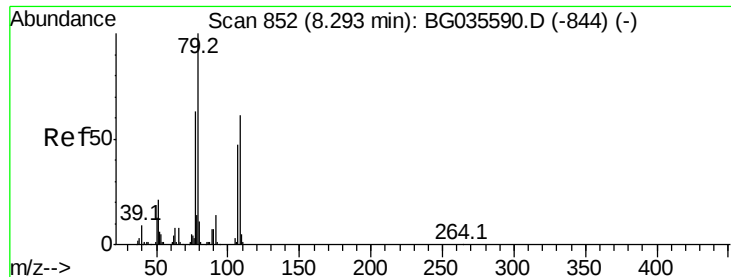


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.685 ng

RT: 8.35 min Scan# 862

Delta R.T. 0.08 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

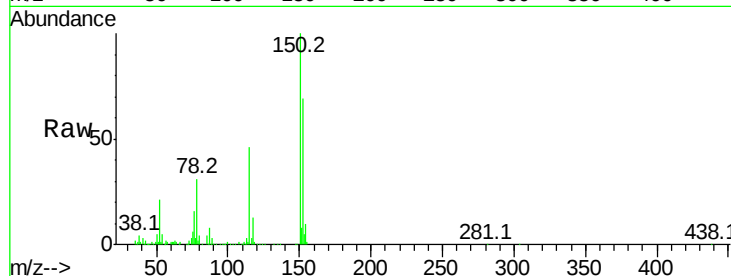
Tot Ion: 79 Resp: 6004

Ion Ratio Lower Upper

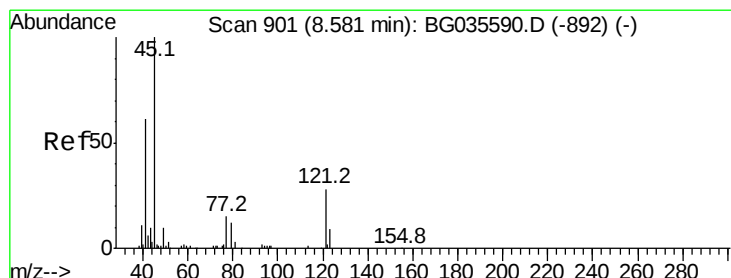
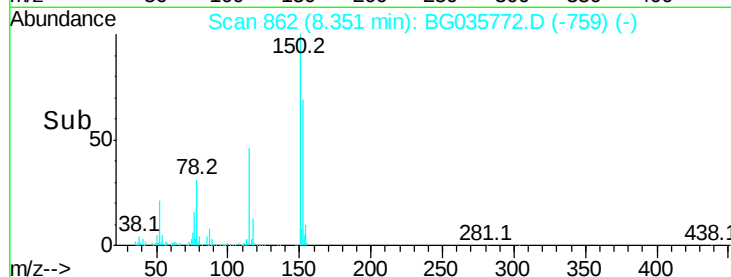
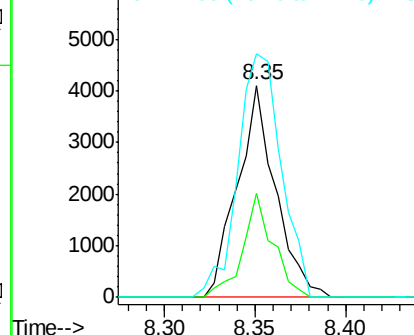
79 100

108 48.9 57.2 85.8#

77 114.9 46.1 69.1#



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: 0.061 ng

RT: 8.56 min Scan# 897

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

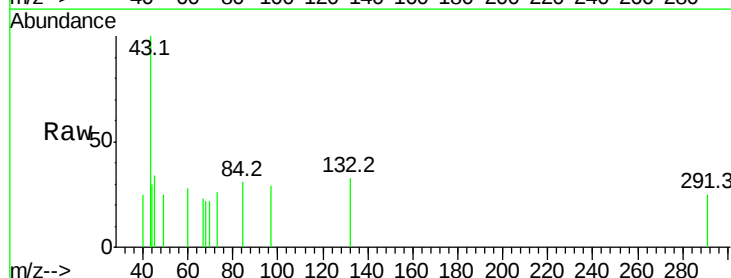
Tgt Ion: 45 Resp: 159

Ion Ratio Lower Upper

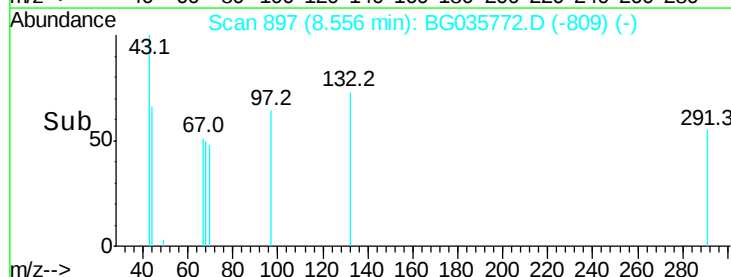
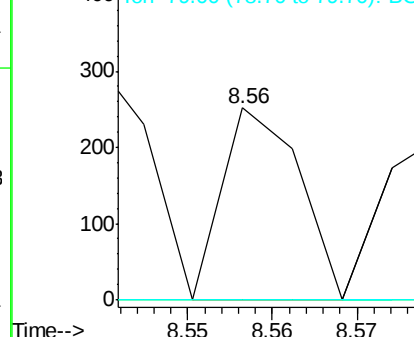
45 100

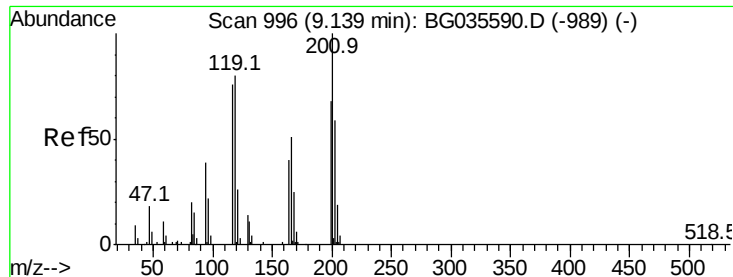
77 0.0 0.0 30.2

79 0.0 0.0 27.9



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

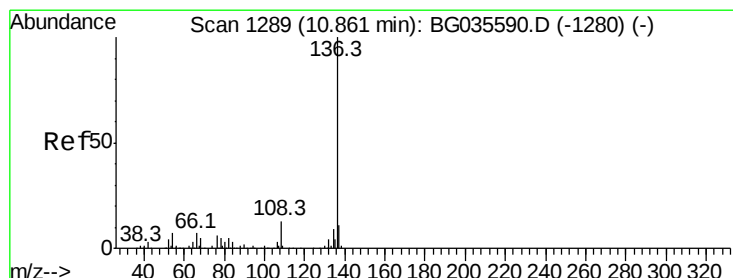
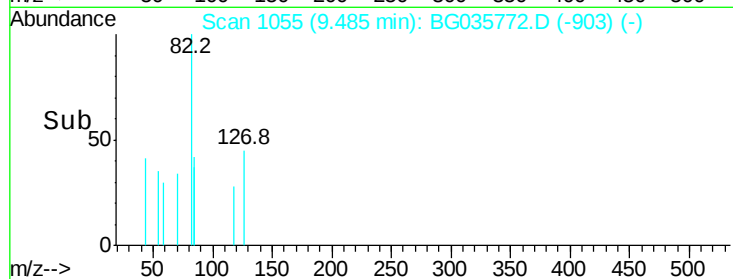
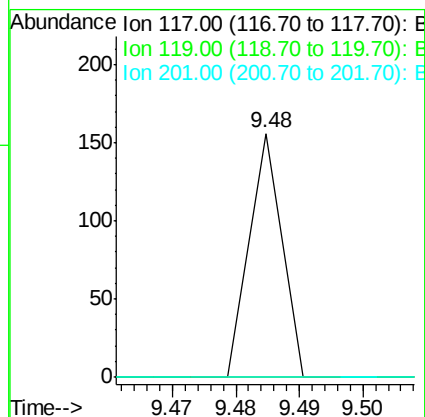
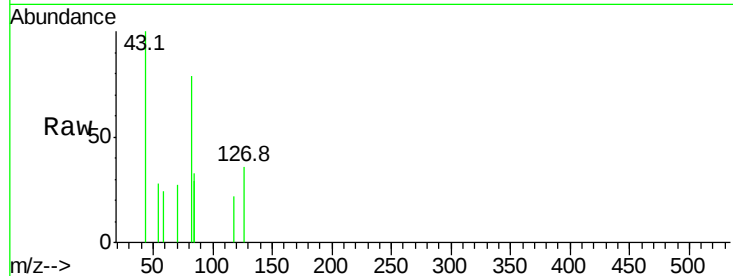




#18  
Hexachloroethane  
Concen: 0.044 ng  
RT: 9.48 min Scan# 1055  
Delta R.T. 0.36 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

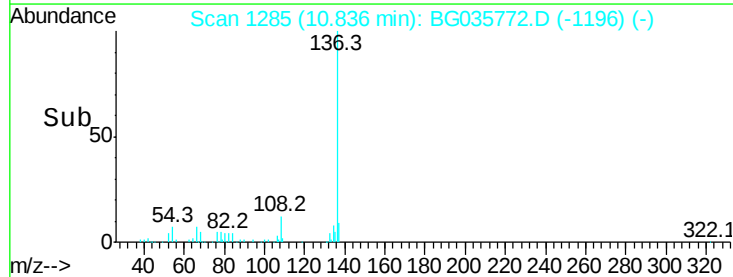
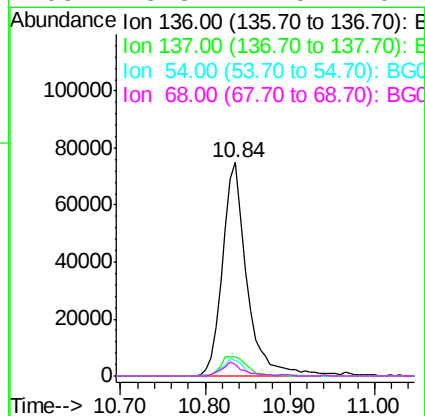
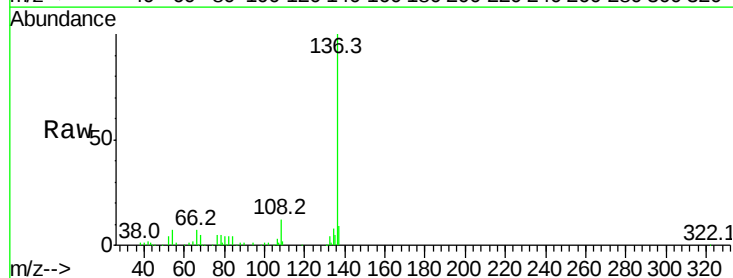
Instrument :  
BNA\_G  
ClientSampleId :  
LS-SOIL-1

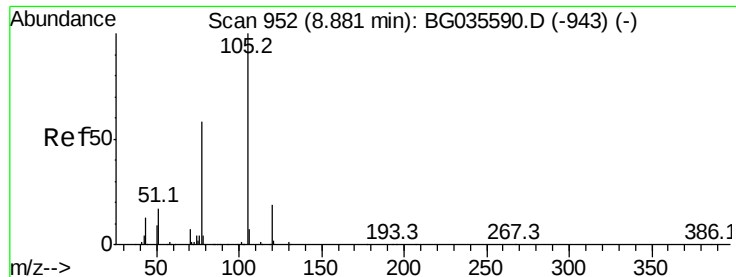
Tot Ion:117 Resp: 55  
Ion Ratio Lower Upper  
117 100  
119 0.0 76.7 115.1#  
201 0.0 95.7 143.5#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.84 min Scan# 1285  
Delta R.T. -0.01 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

Tgt Ion:136 Resp: 150300  
Ion Ratio Lower Upper  
136 100  
137 9.3 9.2 13.8  
54 7.3 10.3 15.5#  
68 5.3 4.5 6.7





#22

Acetophenone

Concen: 0.027 ng

RT: 8.87 min Scan# 950

Delta R.T. 0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

Tot Ion:105 Resp: 127

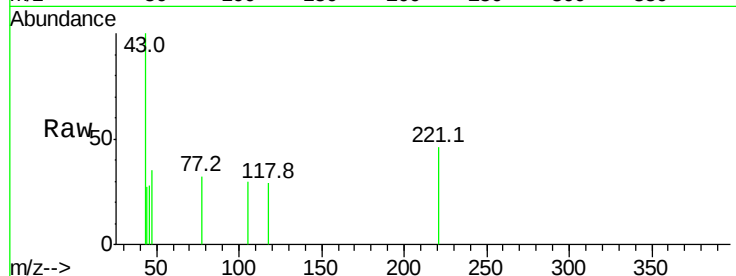
Ion Ratio Lower Upper

105 100

71 0.0 3.0 4.4#

51 0.0 26.1 39.1#

120 0.0 17.4 26.2#



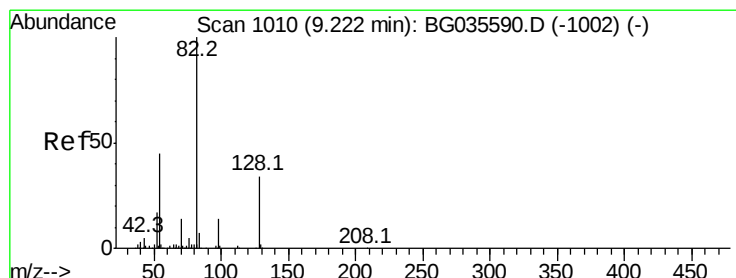
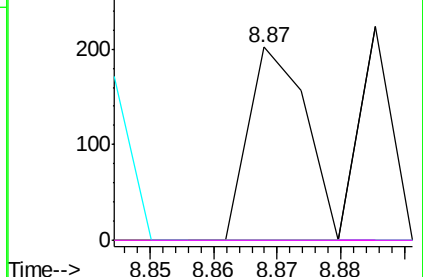
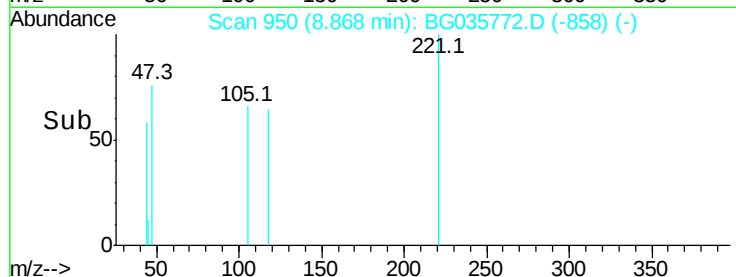
Abundance Ion 105.00 (104.70 to 105.70): E

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

Time-->



#23

Nitrobenzene-d5

Concen: 96.931 ng

RT: 9.19 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

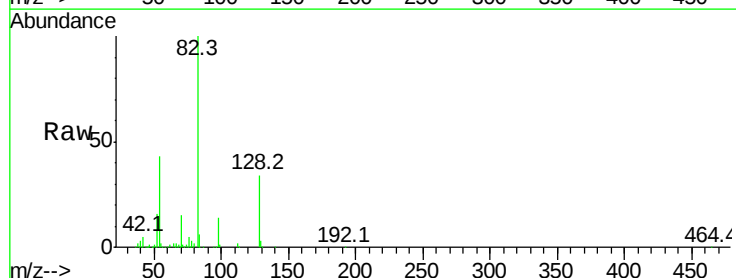
Tgt Ion: 82 Resp: 348745

Ion Ratio Lower Upper

82 100

128 33.5 29.7 44.5

54 42.9 43.1 64.7#

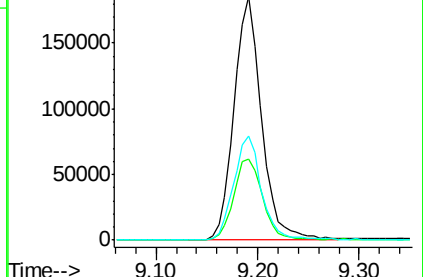
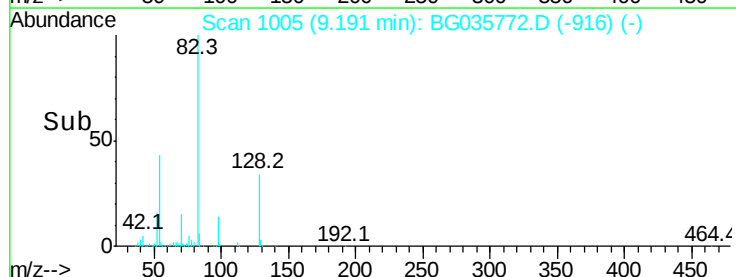


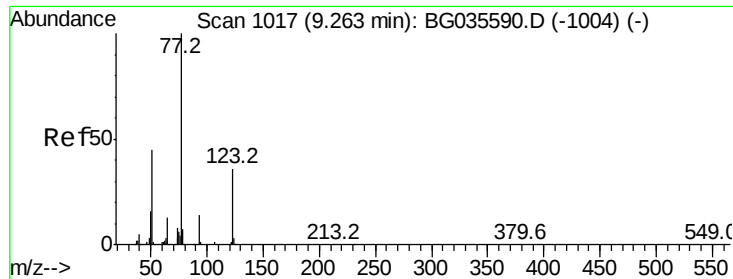
Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

Time-->

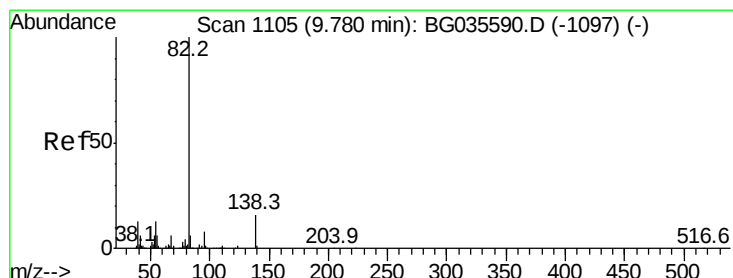
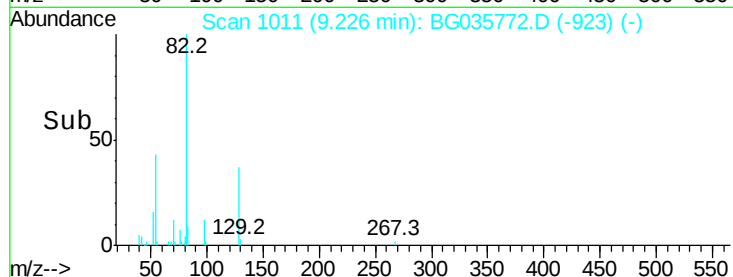
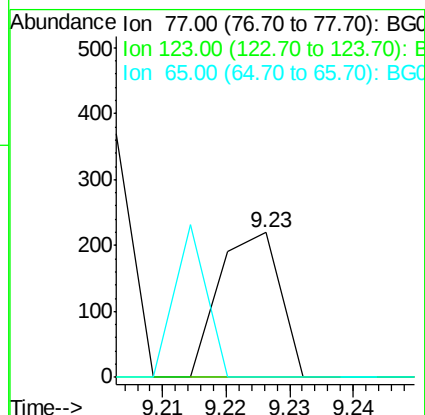
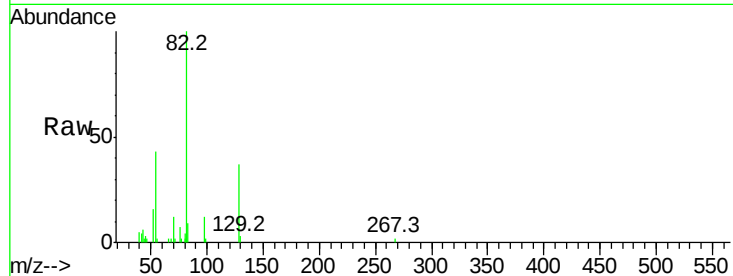




#24  
Nitrobenzene  
Concen: 0.040 ng  
RT: 9.23 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

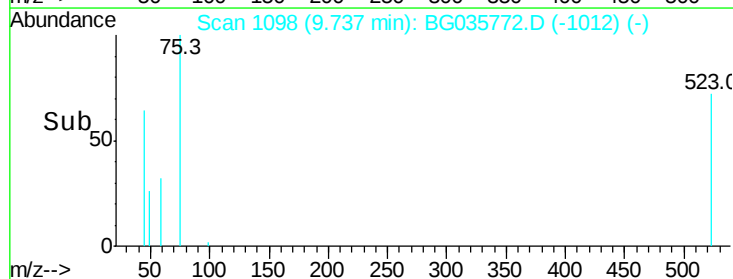
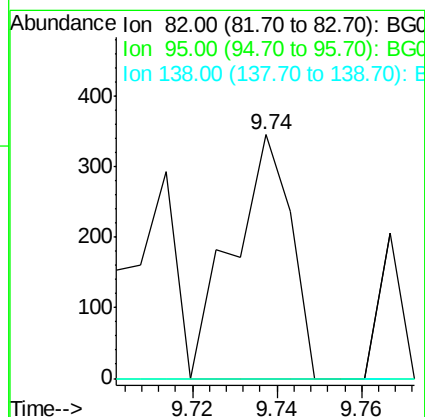
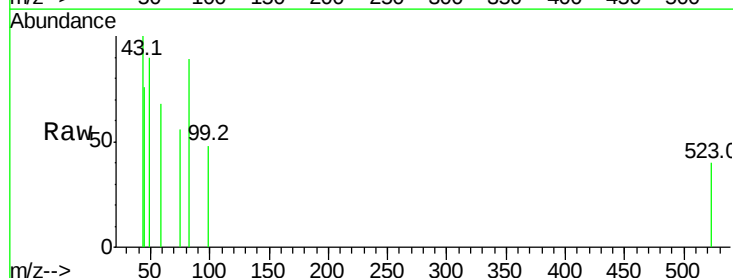
Instrument :  
BNA\_G  
ClientSampled :  
LS-SOIL-1

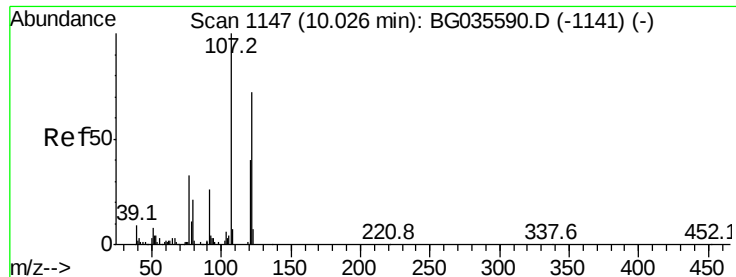
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 0.0   | 33.0  | 49.6# |
| 65      | 0.0   | 13.0  | 19.6# |



#25  
Isophorone  
Concen: 0.049 ng  
RT: 9.74 min Scan# 1098  
Delta R.T. -0.02 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 6.2   | 9.2#  |
| 138     | 0.0   | 12.1  | 18.1# |

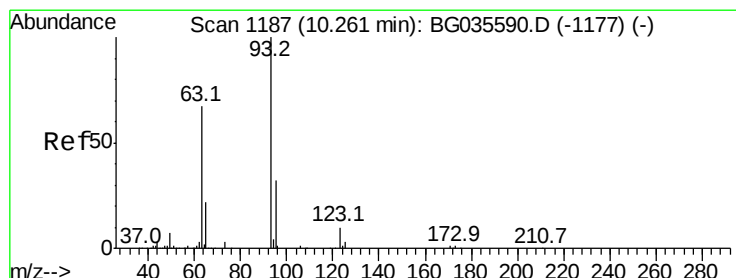
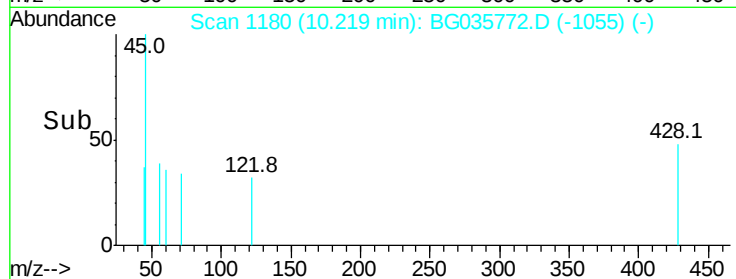
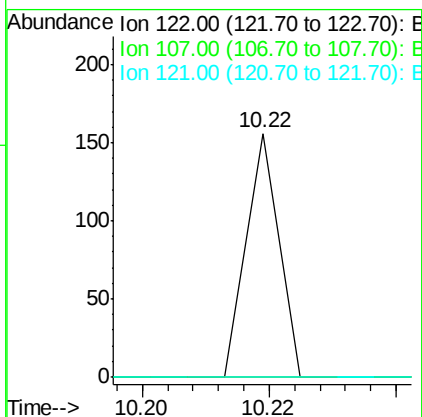
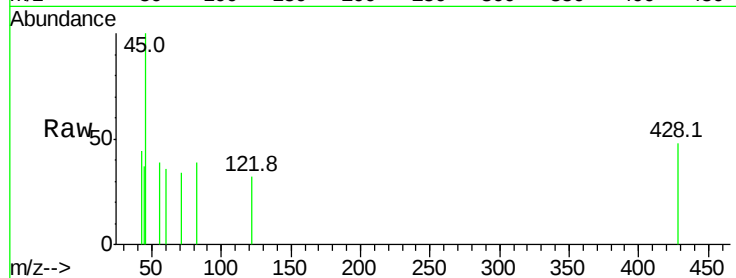




#27  
2,4-Dimethylphenol  
Concen: 0.025 ng  
RT: 10.22 min Scan# 1180  
Delta R.T. 0.20 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

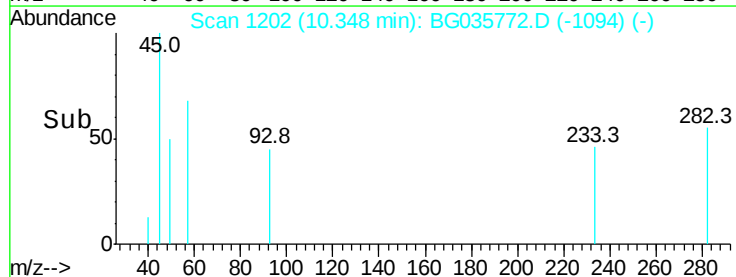
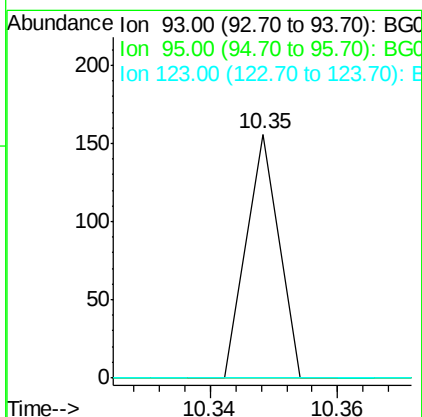
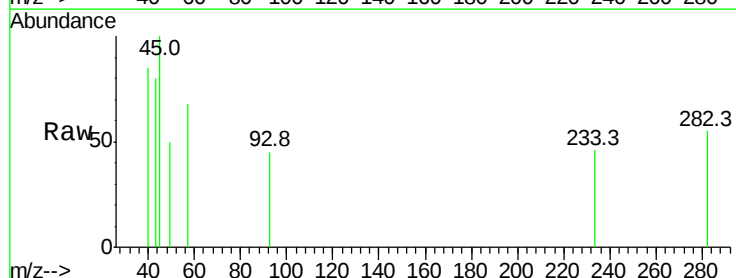
Instrument :  
BNA\_G  
ClientSampleId :  
LS-SOIL-1

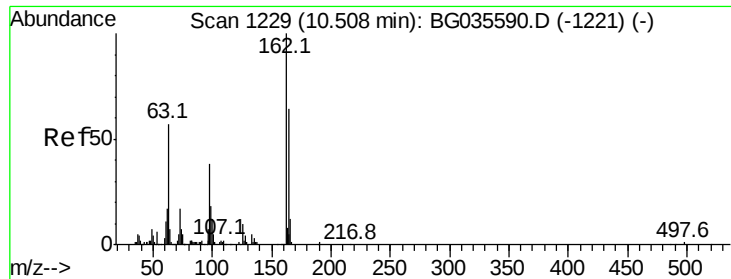
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 107     | 0.0   | 100.2 | 150.2# |
| 121     | 0.0   | 44.4  | 66.6#  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 0.015 ng  
RT: 10.35 min Scan# 1202  
Delta R.T. 0.10 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 0.0   | 24.3  | 36.5# |
| 123     | 0.0   | 8.4   | 12.6# |





#29

2,4-Dichlorophenol

Concen: 0.023 ng

RT: 10.81 min Scan# 1281

Delta R.T. 0.32 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

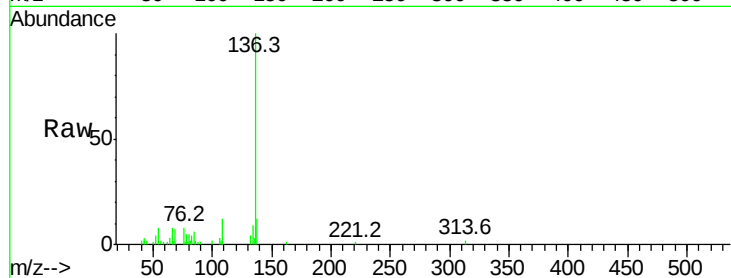
Tot Ion:162 Resp: 57

Ion Ratio Lower Upper

162 100

164 0.0 48.0 88.0#

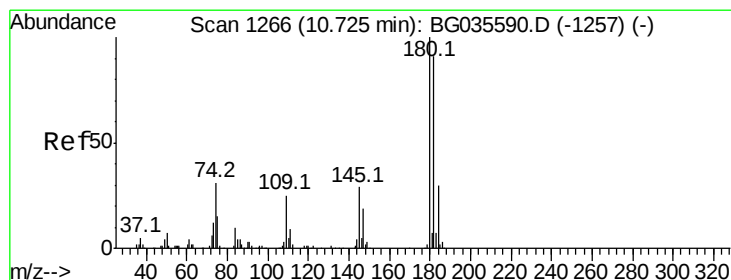
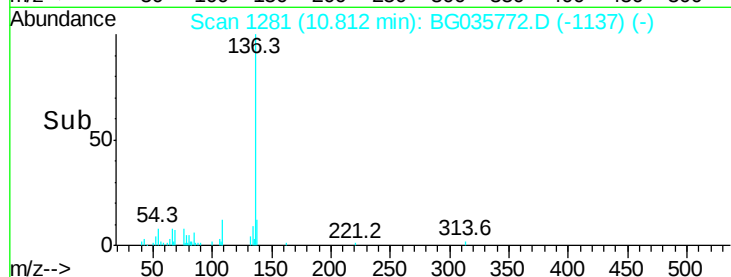
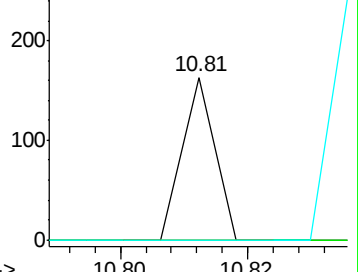
98 0.0 21.1 61.1#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30

1,2,4-Trichlorobenzene

Concen: 0.019 ng

RT: 10.87 min Scan# 1291

Delta R.T. 0.17 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

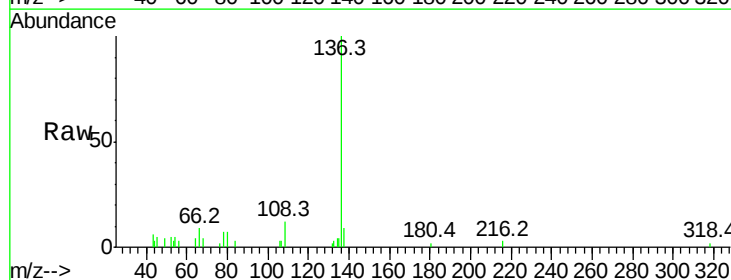
Tgt Ion:180 Resp: 57

Ion Ratio Lower Upper

180 100

182 0.0 77.5 116.3#

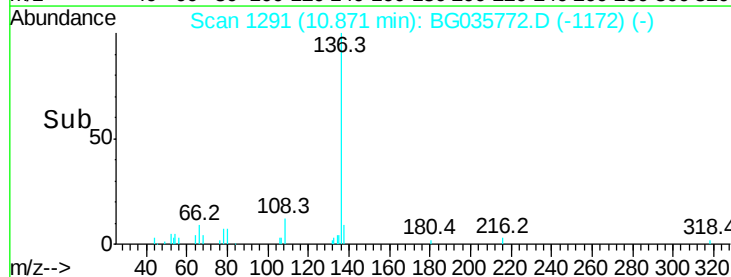
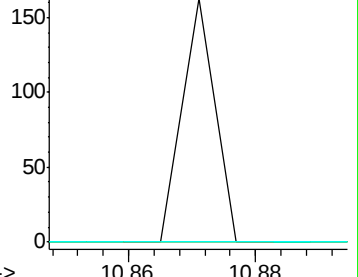
145 0.0 23.4 35.2#

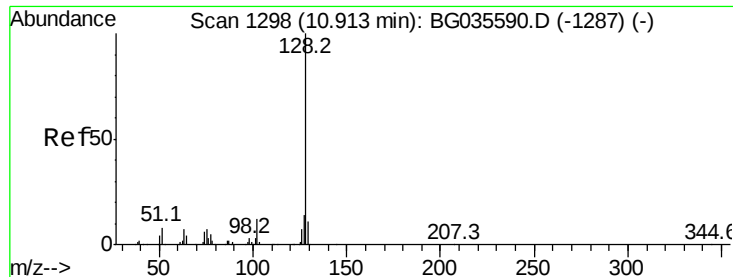


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

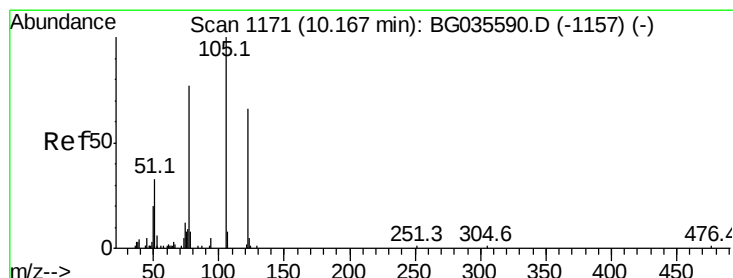
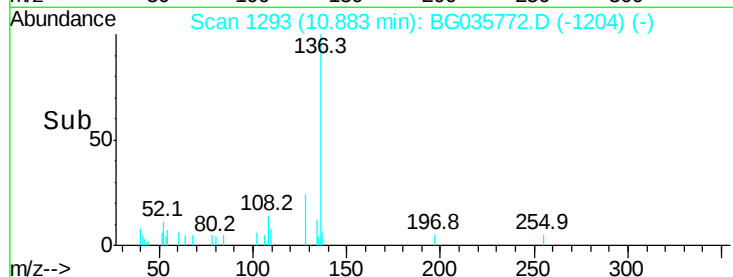
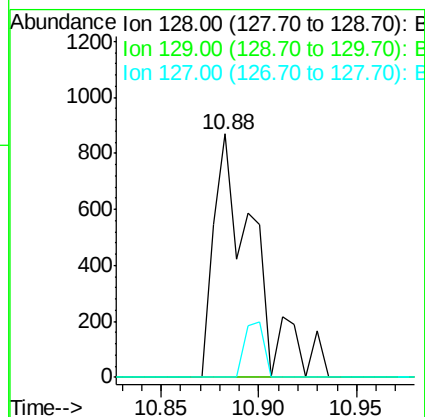
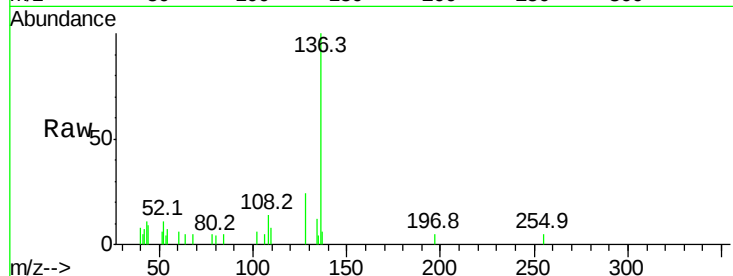




#31  
Naphthalene  
Concen: 0.159 ng  
RT: 10.88 min Scan# 1293  
Delta R.T. -0.01 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

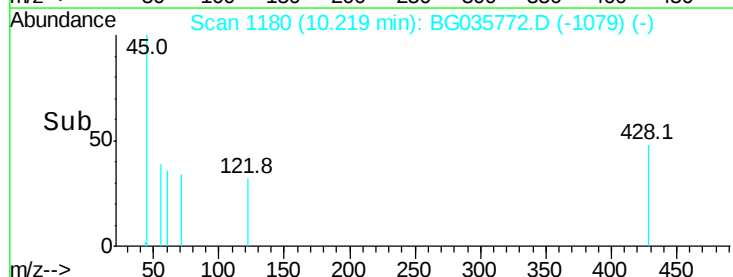
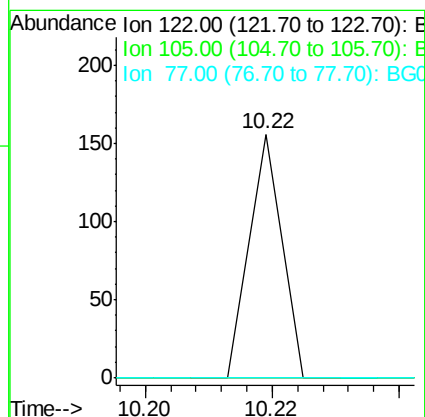
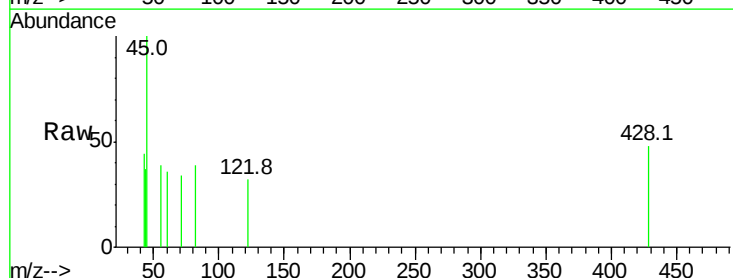
Instrument :  
BNA\_G  
ClientSampleId :  
LS-SOIL-1

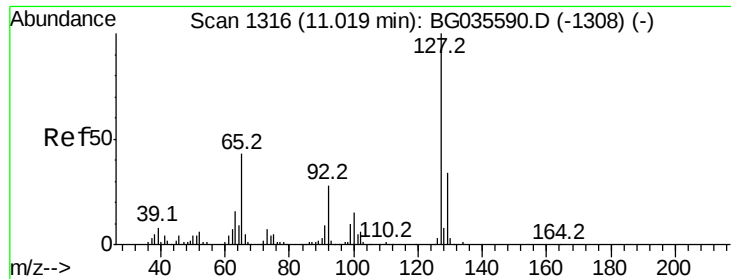
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 0.0   | 8.6   | 12.8# |
| 127     | 0.0   | 11.6  | 17.4# |



#32  
Benzoic acid  
Concen: 0.038 ng  
RT: 10.22 min Scan# 1180  
Delta R.T. 0.06 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 0.0   | 123.5 | 163.5# |
| 77      | 0.0   | 85.7  | 125.7# |

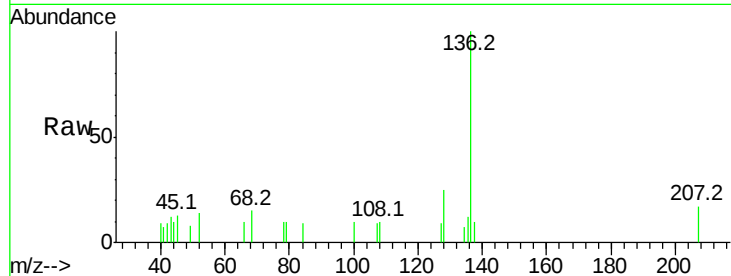




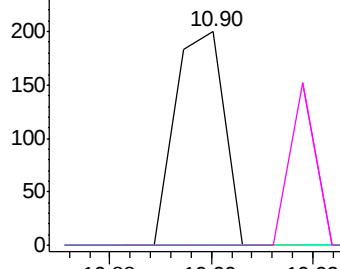
#33  
4-Chloroaniline  
Concen: 0.040 ng  
RT: 10.90 min Scan# 1296  
Delta R.T. -0.10 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

Instrument :  
BNA\_G  
ClientSampleId :  
LS-SOIL-1

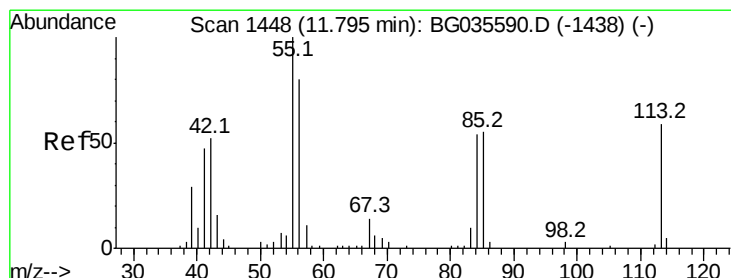
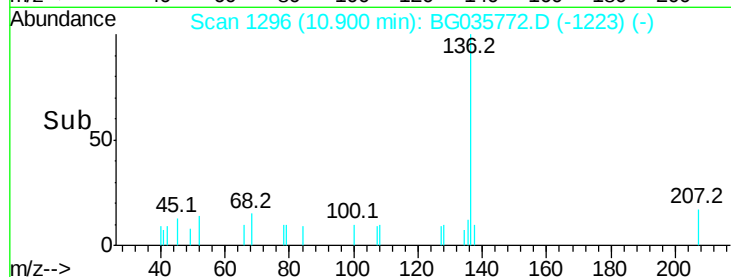
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 135   |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 0.0   | 24.0  | 36.0# |
| 65       | 0.0   | 27.0  | 40.4# |
| 92       | 0.0   | 16.6  | 25.0# |



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

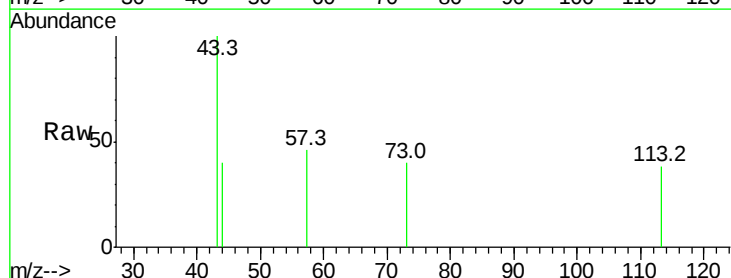


Time-->

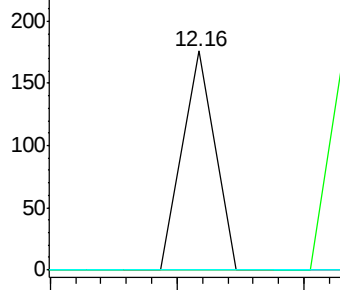


#35  
Caprolactam  
Concen: 0.058 ng  
RT: 12.16 min Scan# 1511  
Delta R.T. 0.39 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

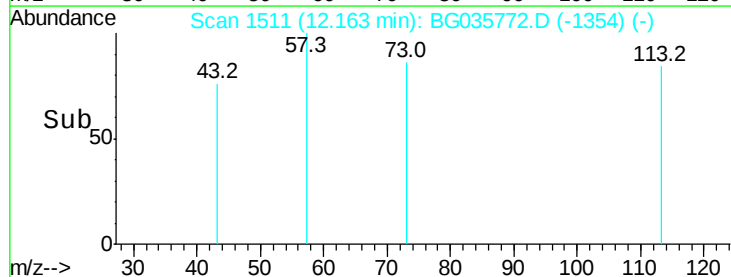
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 62     |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 55       | 0.0   | 186.9 | 226.9# |
| 56       | 0.0   | 130.9 | 170.9# |

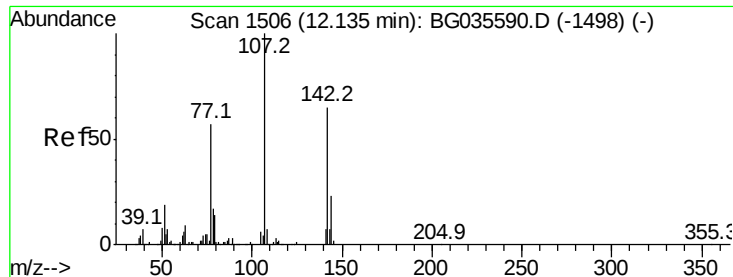


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BGC  
Ion 56.00 (55.70 to 56.70): BGC



Time-->

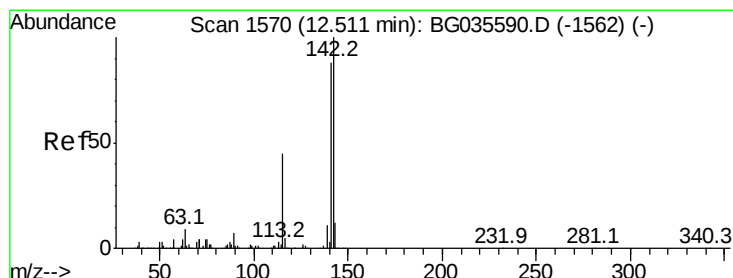
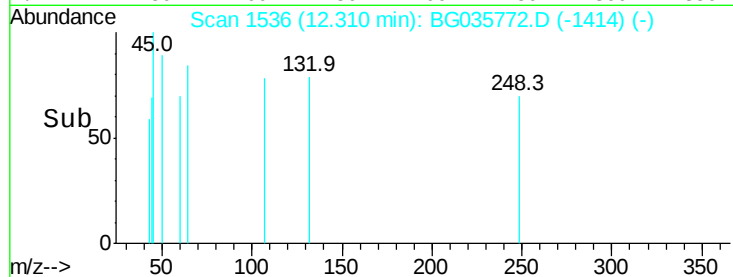
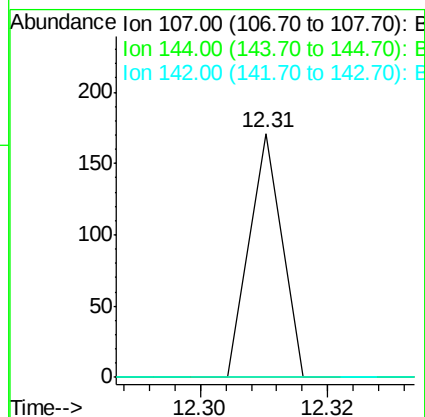
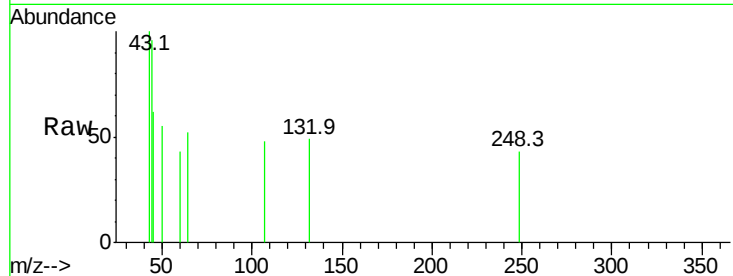




#36  
4-Chloro-3-methylphenol  
Concen: 0.018 ng  
RT: 12.31 min Scan# 1536  
Delta R.T. 0.19 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

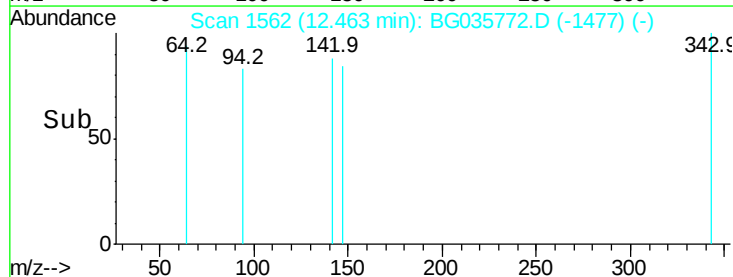
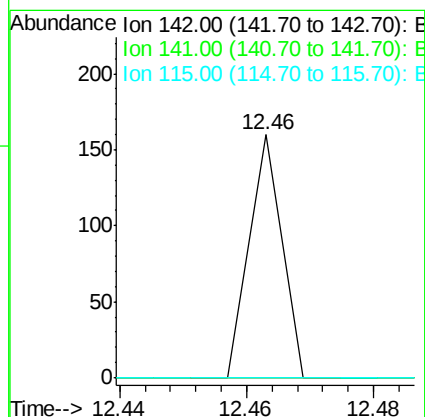
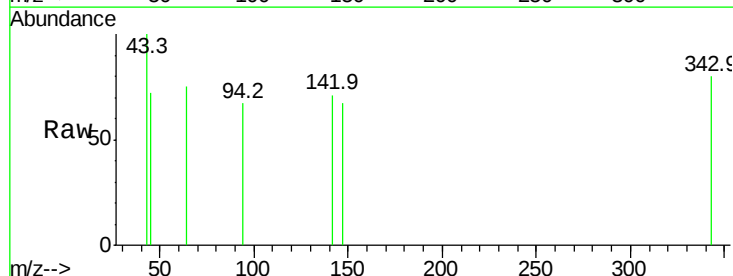
Instrument :  
BNA\_G  
ClientSampleId :  
LS-SOIL-1

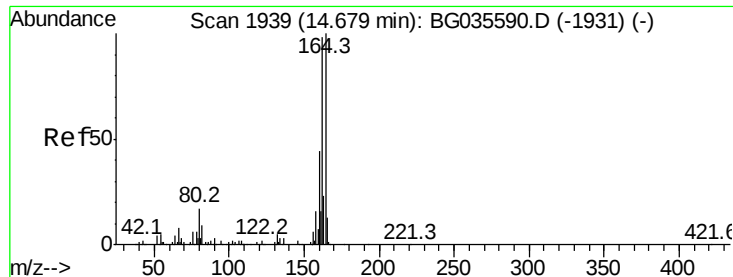
Tot Ion:107 Resp: 60  
Ion Ratio Lower Upper  
107 100  
144 0.0 18.2 27.4#  
142 0.0 59.0 88.4#



#37  
2-Methylnaphthalene  
Concen: 0.010 ng  
RT: 12.46 min Scan# 1562  
Delta R.T. -0.03 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

Tgt Ion:142 Resp: 56  
Ion Ratio Lower Upper  
142 100  
141 0.0 67.1 100.7#  
115 0.0 30.7 46.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

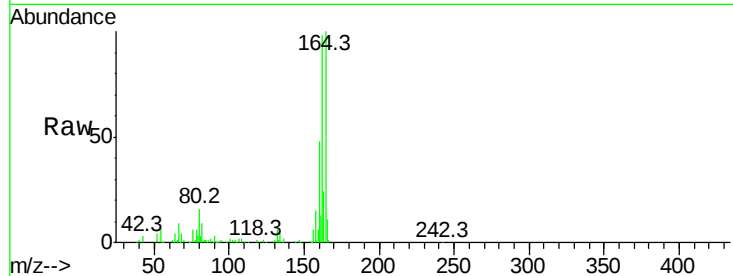
Tot Ion:164 Resp: 99516

Ion Ratio Lower Upper

164 100

162 98.0 78.8 118.2

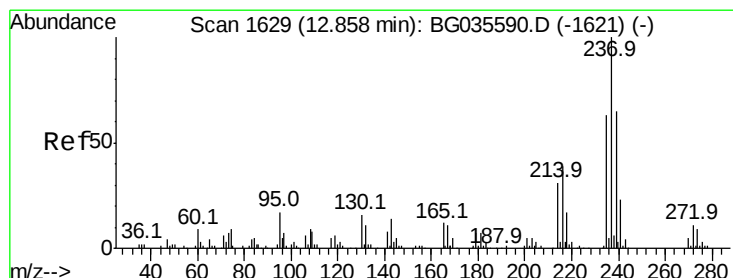
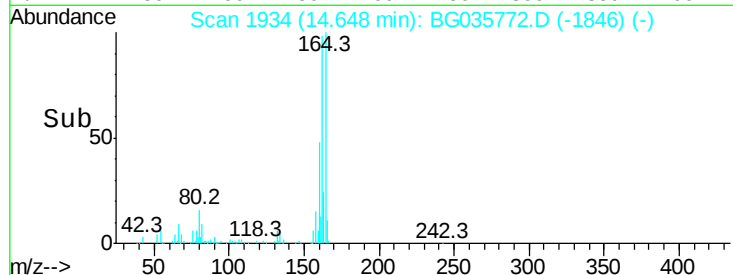
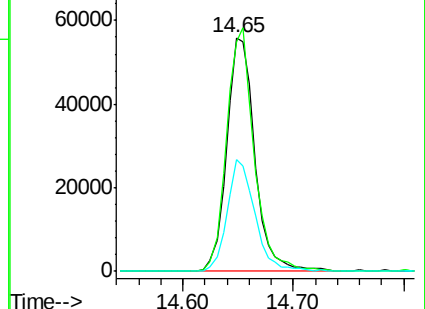
160 47.8 35.4 53.0



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



#40

Hexachlorocyclopentadiene

Concen: 0.048 ng

RT: 13.03 min Scan# 1658

Delta R.T. 0.19 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

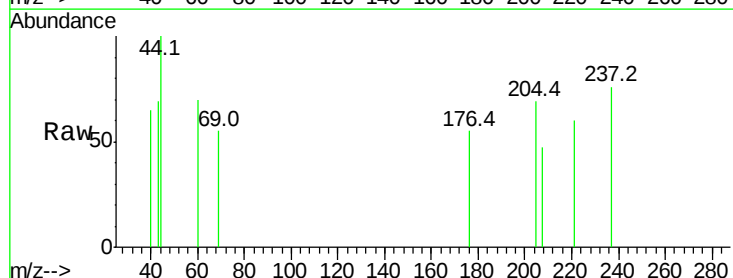
Tgt Ion:237 Resp: 95

Ion Ratio Lower Upper

237 100

235 0.0 50.4 90.4#

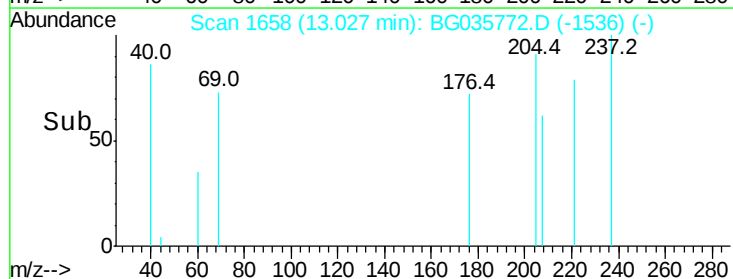
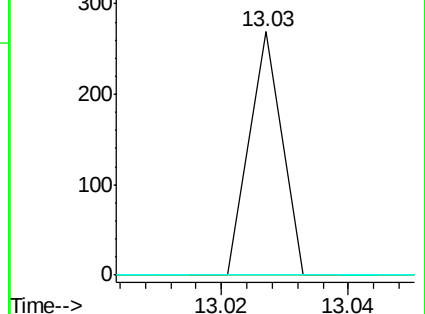
272 0.0 0.0 31.8

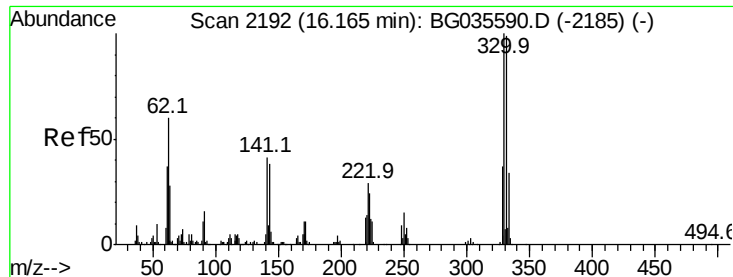


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

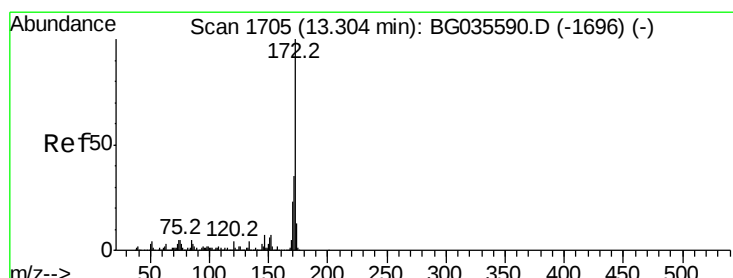
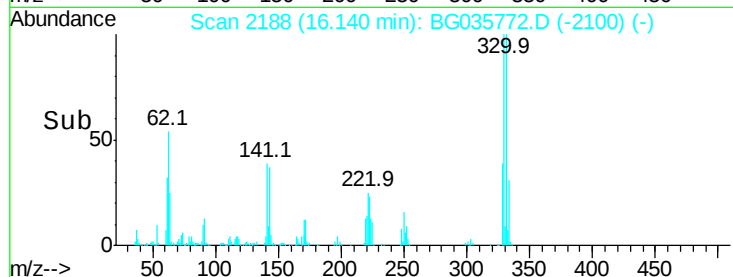
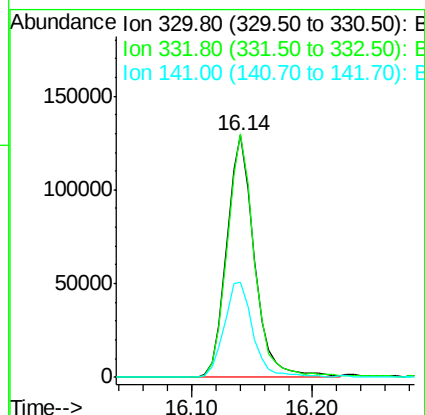
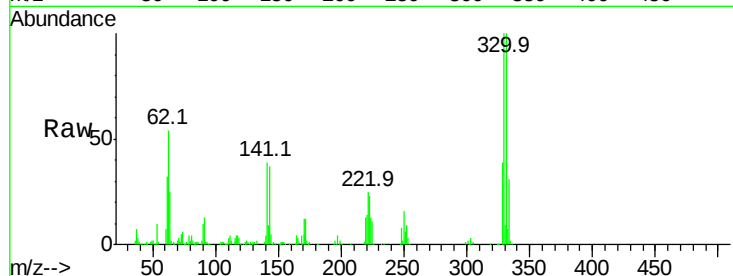




#41  
 2,4,6-Tribromophenol  
 Concen: 156.763 ng  
 RT: 16.14 min Scan# 2188  
 Delta R.T. -0.01 min  
 Lab File: BG035772.D  
 Acq: 20 Jul 2018 5:52

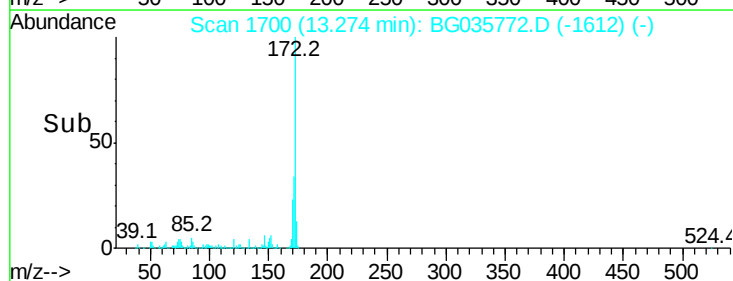
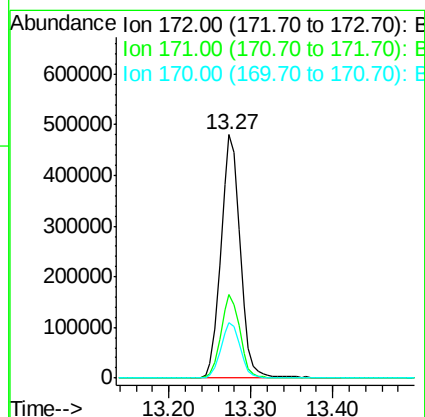
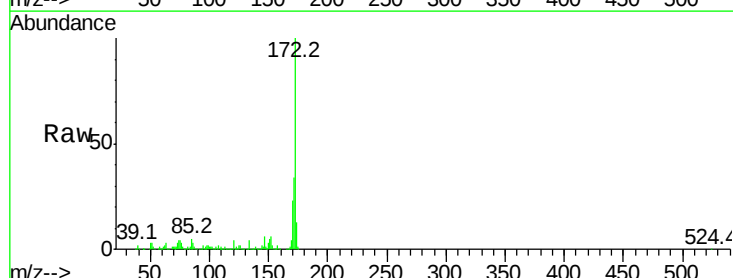
Instrument :  
 BNA\_G  
 ClientSampled :  
 LS-SOIL-1

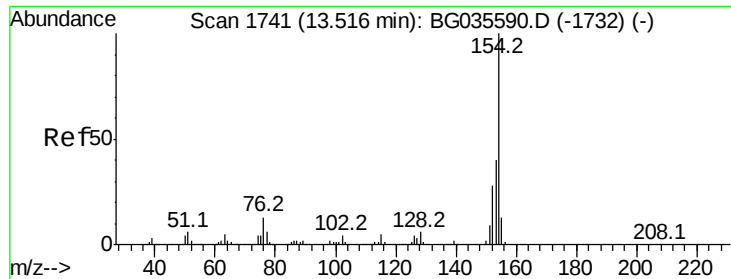
Tot Ion:330 Resp: 205624  
 Ion Ratio Lower Upper  
 330 100  
 332 98.8 77.0 115.6  
 141 40.8 25.2 37.8#



#44  
 2-Fluorobiphenyl  
 Concen: 106.203 ng  
 RT: 13.27 min Scan# 1700  
 Delta R.T. -0.01 min  
 Lab File: BG035772.D  
 Acq: 20 Jul 2018 5:52

Tgt Ion:172 Resp: 788878  
 Ion Ratio Lower Upper  
 172 100  
 171 34.4 30.0 45.0  
 170 22.7 19.5 29.3

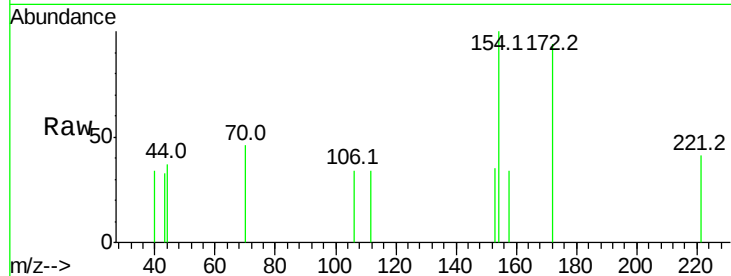




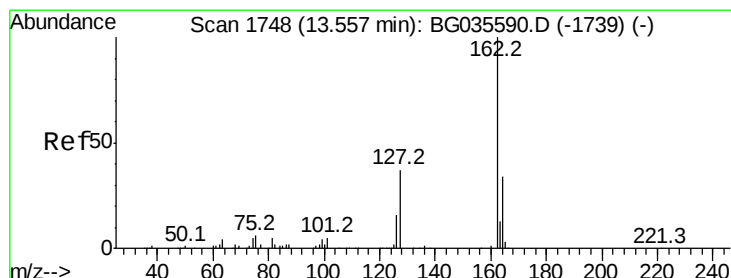
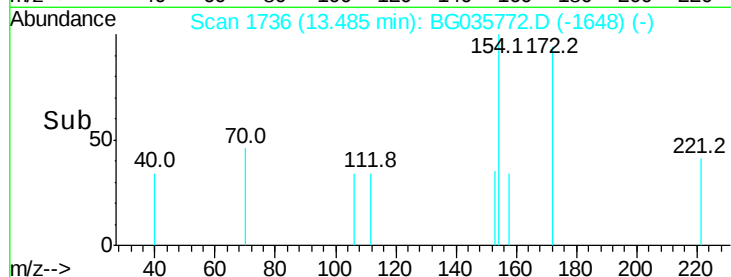
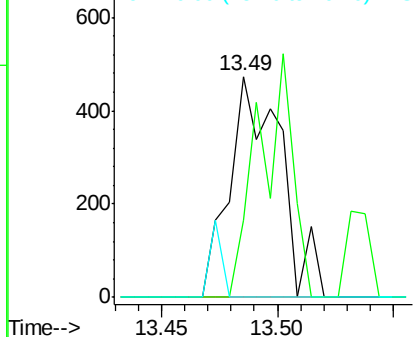
#45  
 1,1'-Biphenyl  
 Concen: 0.096 ng  
 RT: 13.49 min Scan# 1736  
 Delta R.T. -0.01 min  
 Lab File: BG035772.D  
 Acq: 20 Jul 2018 5:52

Instrument :  
 BNA\_G  
 ClientSampled :  
 LS-SOIL-1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 154   | Resp: | 739   |
| Ion      | Ratio | Lower | Upper |
| 154      | 100   |       |       |
| 153      | 34.8  | 19.8  | 59.8  |
| 76       | 0.0   | 0.0   | 31.9  |

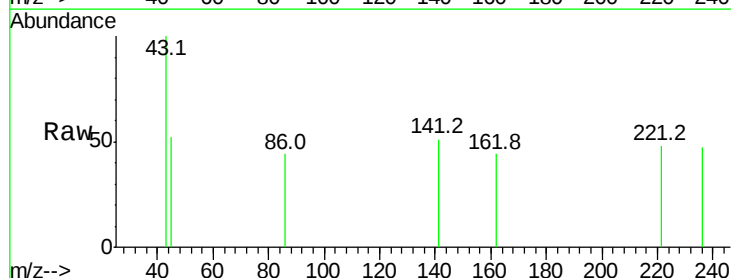


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): B

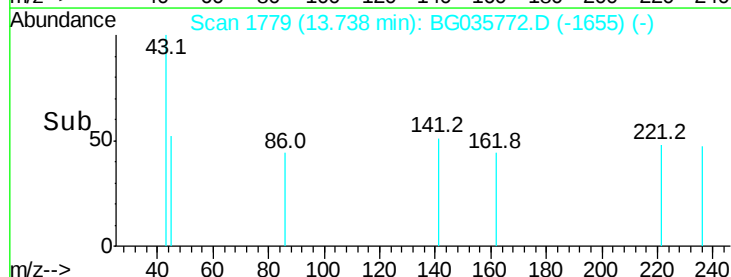
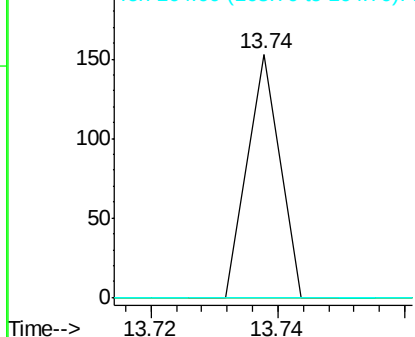


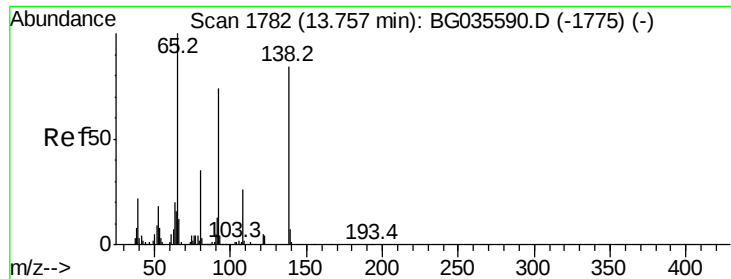
#46  
 2-Chloronaphthalene  
 Concen: 0.009 ng  
 RT: 13.74 min Scan# 1779  
 Delta R.T. 0.20 min  
 Lab File: BG035772.D  
 Acq: 20 Jul 2018 5:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 162   | Resp: | 54    |
| Ion      | Ratio | Lower | Upper |
| 162      | 100   |       |       |
| 127      | 0.0   | 30.7  | 46.1# |
| 164      | 0.0   | 26.0  | 39.0# |



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 0.027 ng

RT: 13.76 min Scan# 1782

Delta R.T. 0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

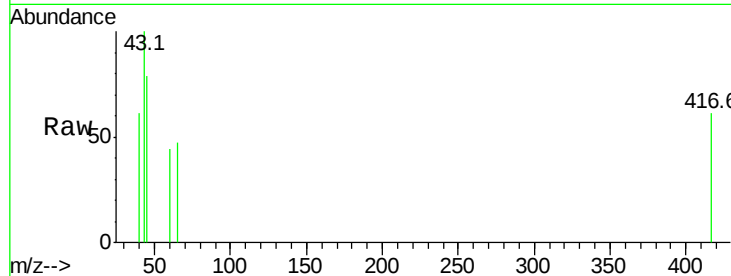
Tot Ion: 65 Resp: 57

Ion Ratio Lower Upper

65 100

92 0.0 54.6 82.0#

138 0.0 72.9 109.3#



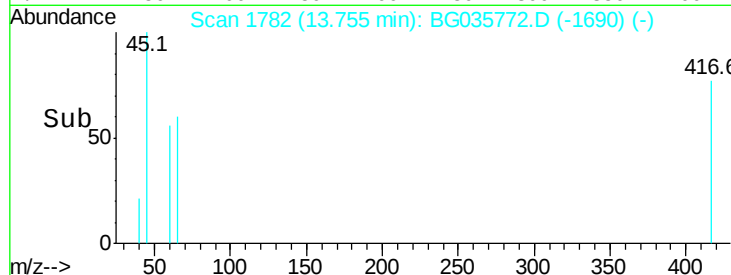
Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

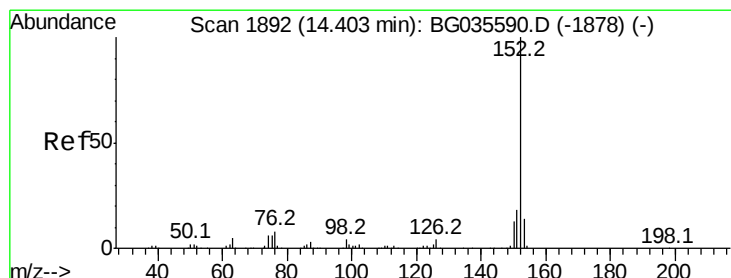
Ion 138.00 (137.70 to 138.70): BGC

13.76

13.74 13.76



Time-->



#48

Acenaphthylene

Concen: 0.009 ng

RT: 14.51 min Scan# 1911

Delta R.T. 0.13 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

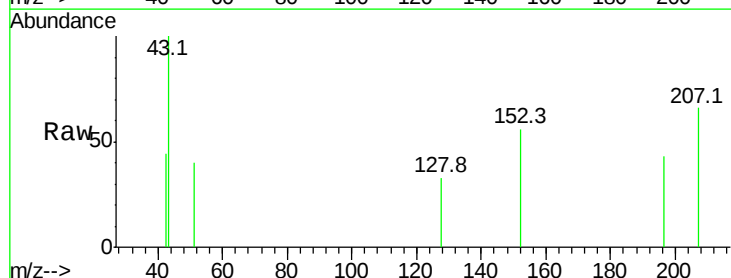
Tgt Ion: 152 Resp: 92

Ion Ratio Lower Upper

152 100

151 0.0 17.2 25.8#

153 0.0 10.2 15.4#



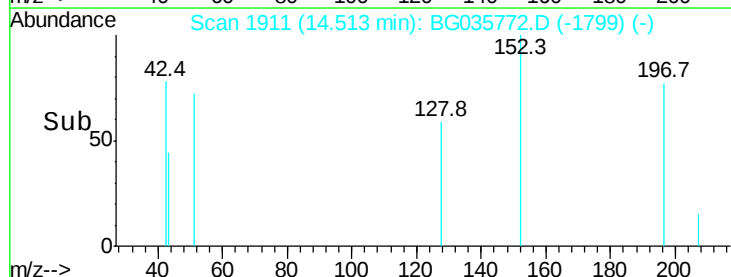
Abundance Ion 152.00 (151.70 to 152.70): BGC

Ion 151.00 (150.70 to 151.70): BGC

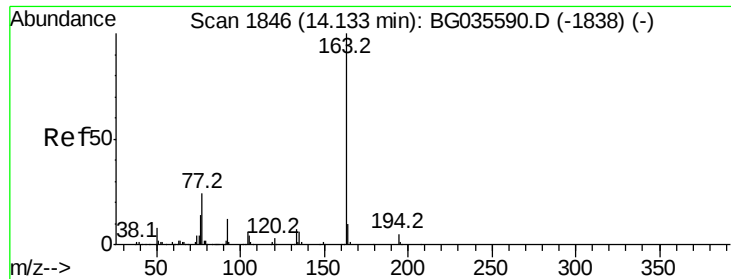
Ion 153.00 (152.70 to 153.70): BGC

14.51

14.50 14.52



Time-->



#49

Dimethylphthalate

Concen: 0.009 ng

RT: 14.14 min Scan# 1847

Delta R.T. 0.02 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

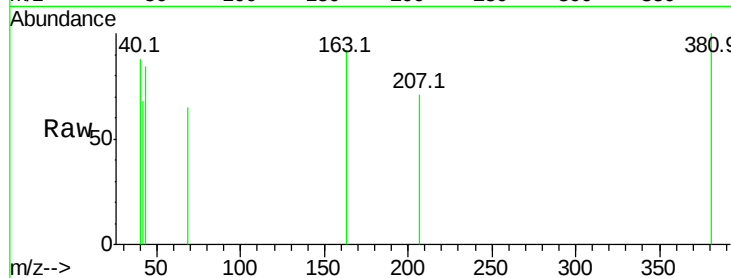
Tot Ion:163 Resp: 75

Ion Ratio Lower Upper

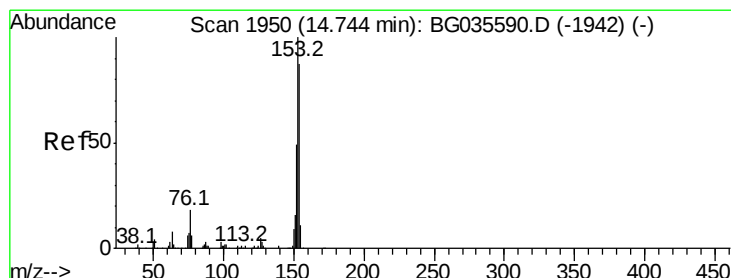
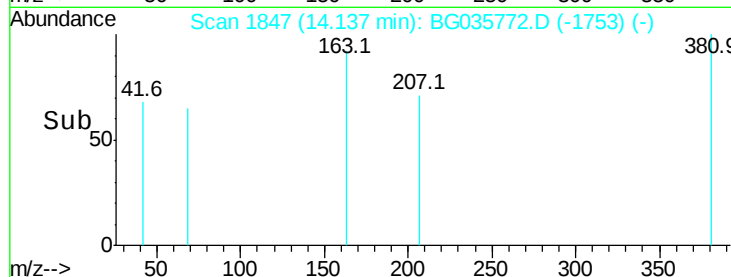
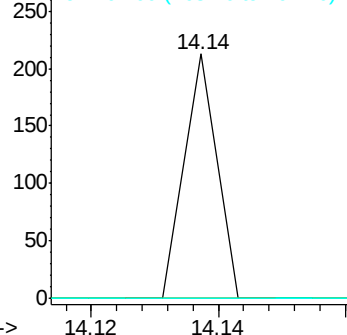
163 100

194 0.0 3.4 5.2#

164 0.0 8.2 12.4#



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 0.173 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

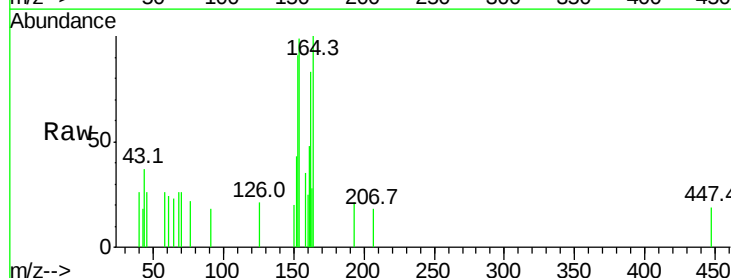
Tgt Ion:154 Resp: 1082

Ion Ratio Lower Upper

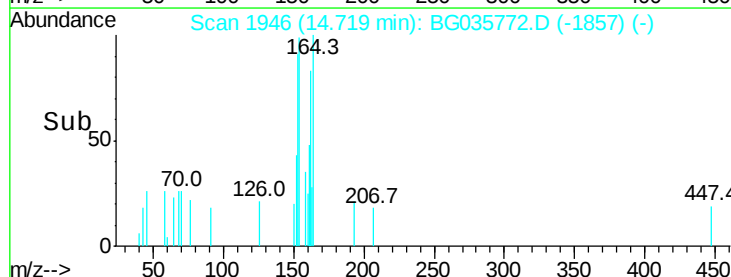
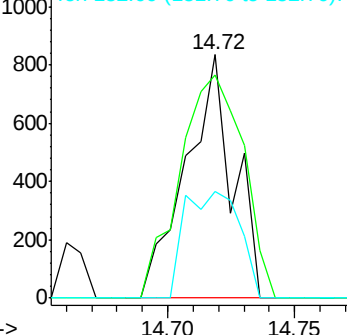
154 100

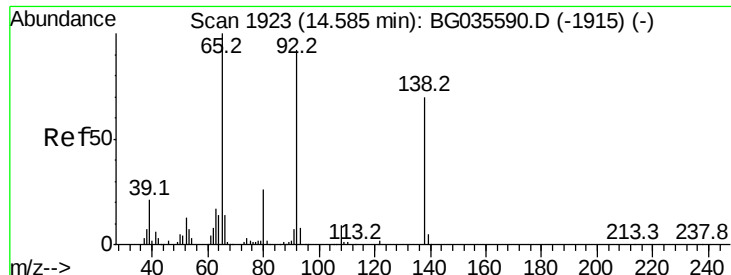
153 91.7 90.4 135.6

152 43.6 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 0.050 ng

RT: 14.67 min Scan# 1938

Delta R.T. 0.10 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

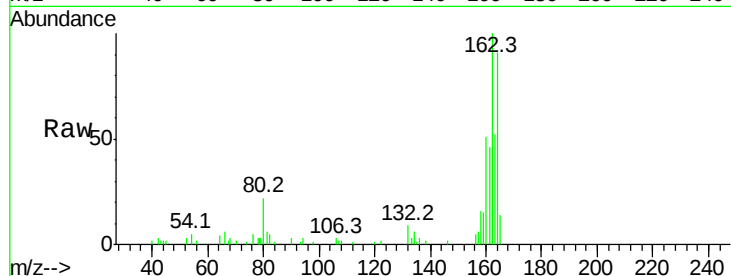
Tot Ion:138 Resp: 90

Ion Ratio Lower Upper

138 100

108 80.7 17.5 26.3#

92 0.0 105.8 158.8#

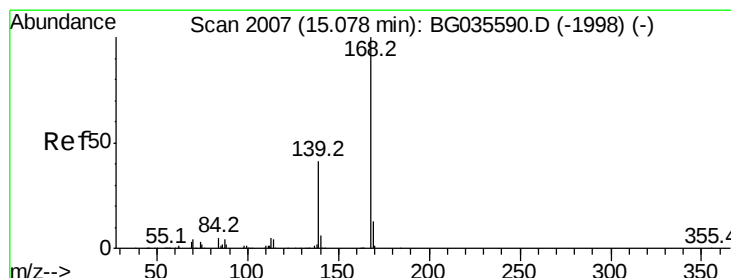
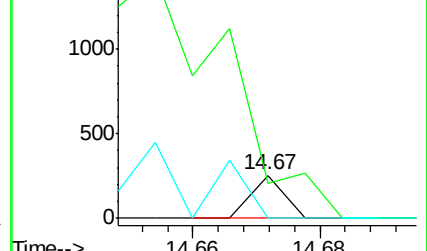
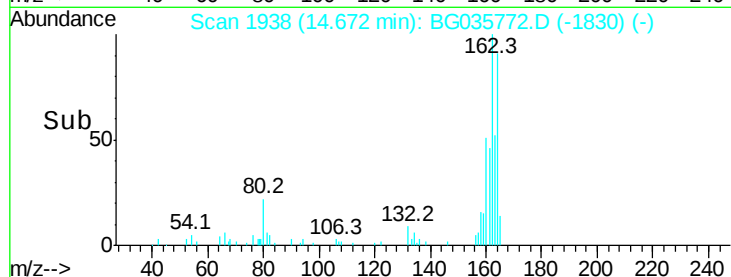


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E

Time-->



#54

Dibenzofuran

Concen: 0.057 ng

RT: 15.09 min Scan# 2010

Delta R.T. 0.03 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

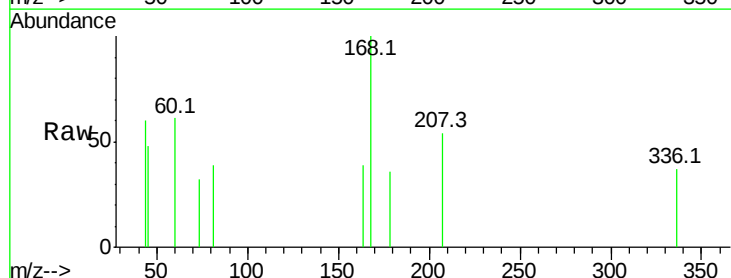
Tgt Ion:168 Resp: 567

Ion Ratio Lower Upper

168 100

139 0.0 28.6 43.0#

169 0.0 11.2 16.8#

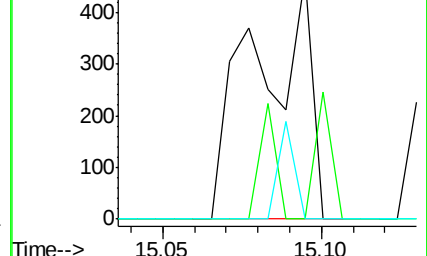
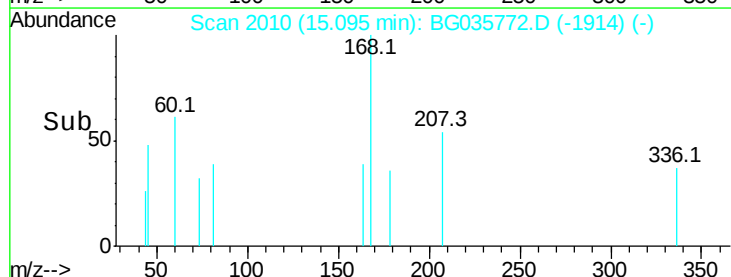


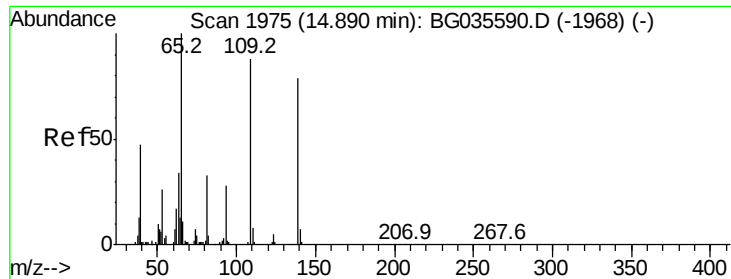
Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

Time-->





#55

4-Nitrophenol

Concen: 0.043 ng

RT: 14.99 min Scan# 1993

Delta R.T. 0.11 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

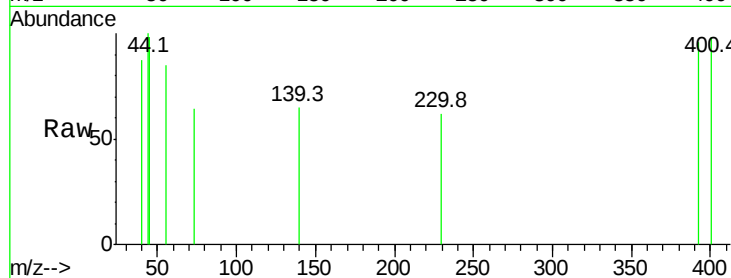
Tot Ion:139 Resp: 56

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

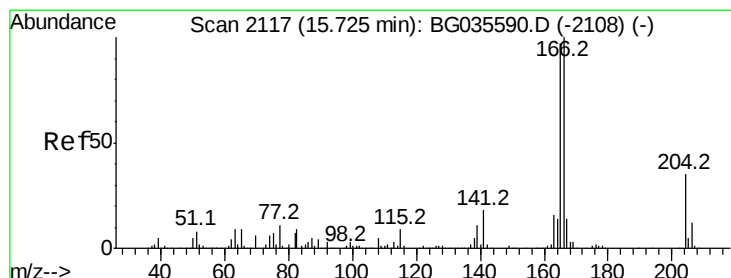
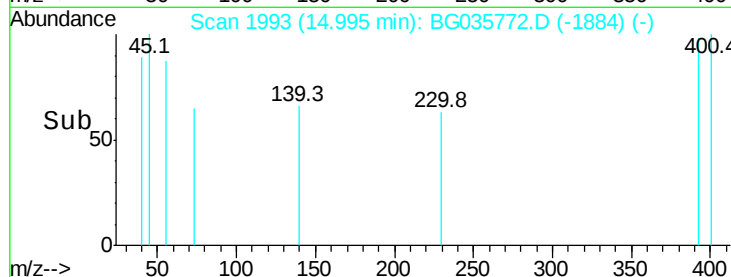
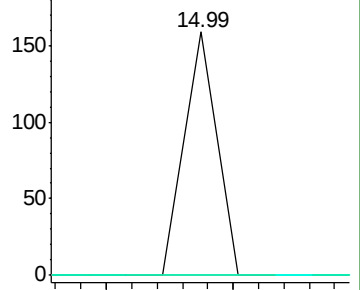
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#57

Fluorene

Concen: 0.100 ng

RT: 15.72 min Scan# 2116

Delta R.T. 0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

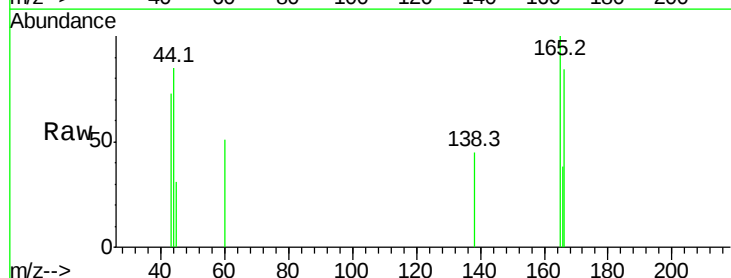
Tgt Ion:166 Resp: 836

Ion Ratio Lower Upper

166 100

165 163.2 80.6 121.0#

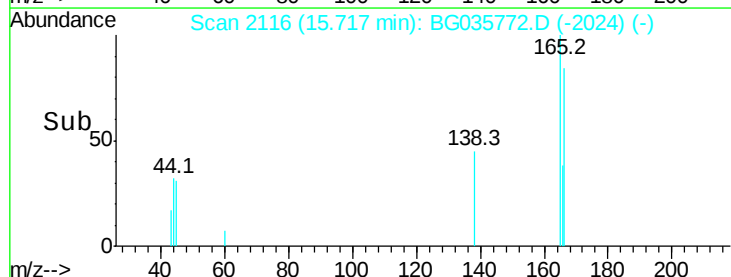
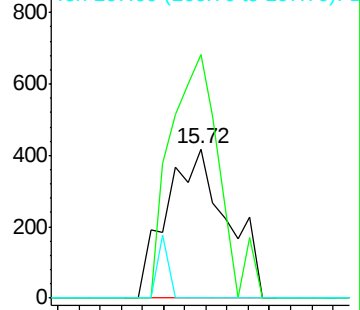
167 0.0 10.4 15.6#

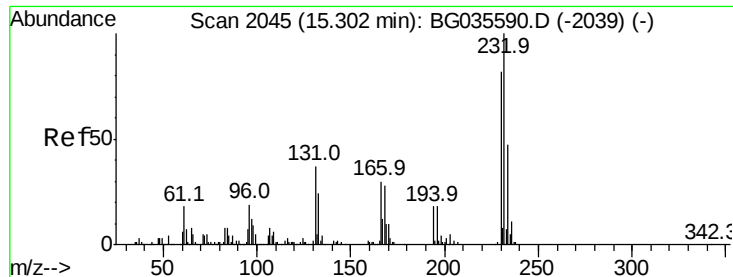


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

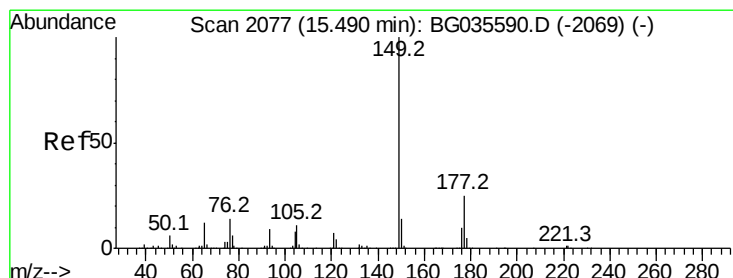
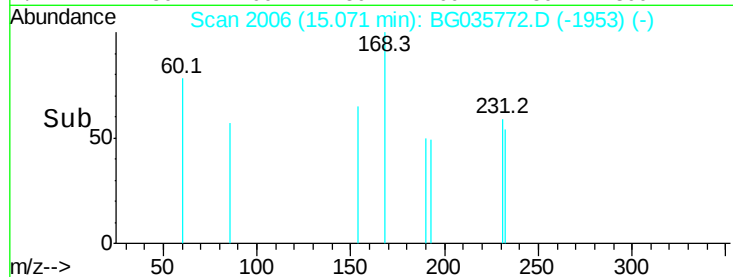
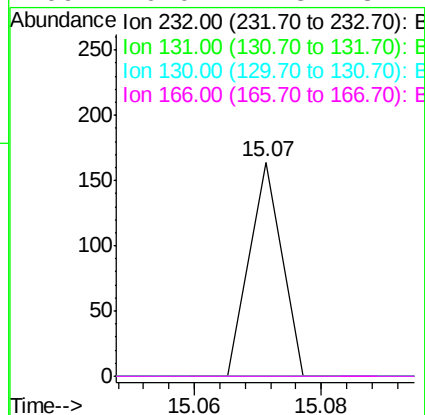
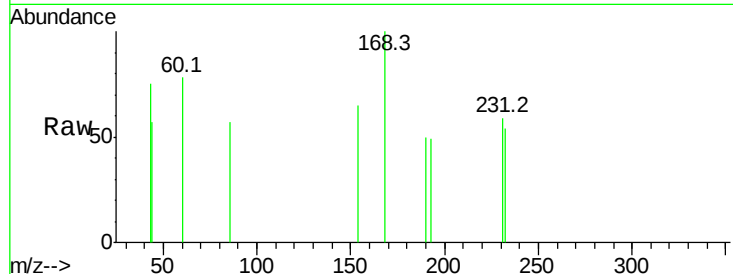




#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 0.025 ng  
 RT: 15.07 min Scan# 2006  
 Delta R.T. -0.22 min  
 Lab File: BG035772.D  
 Acq: 20 Jul 2018 5:52

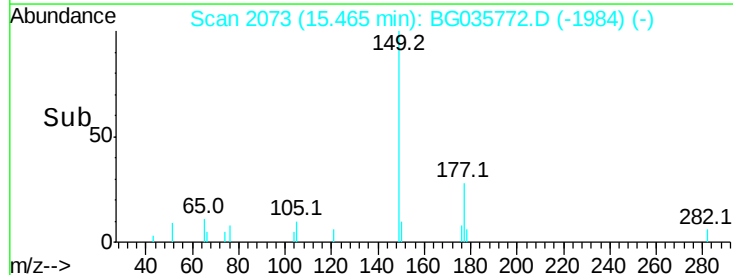
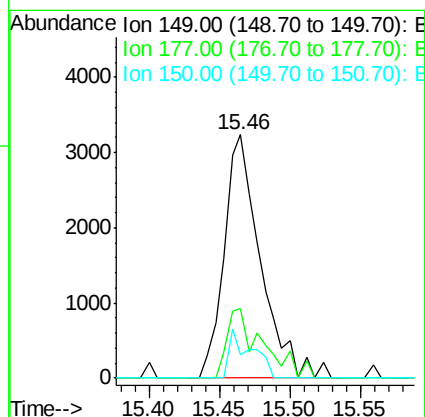
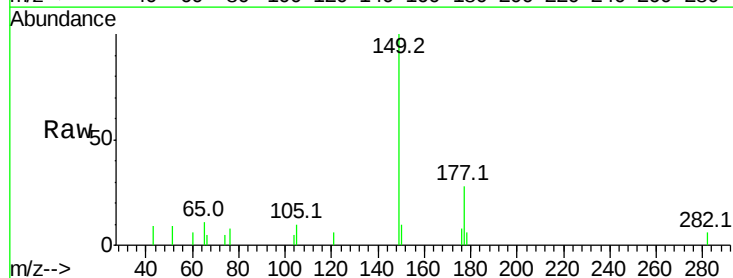
Instrument :  
 BNA\_G  
 ClientSampled :  
 LS-SOIL-1

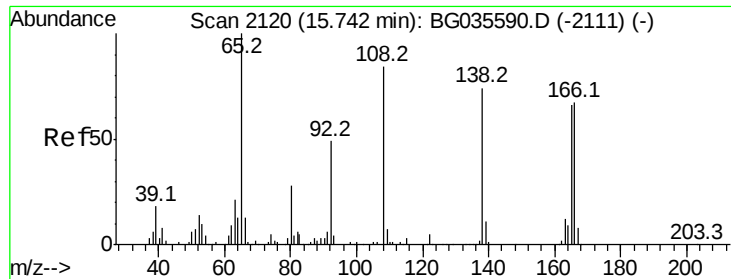
Tot Ion:232 Resp: 58  
 Ion Ratio Lower Upper  
 232 100  
 131 0.0 33.5 50.3#  
 130 0.0 2.2 3.2#  
 166 0.0 24.8 37.2#



#59  
 Diethylphthalate  
 Concen: 0.644 ng  
 RT: 15.46 min Scan# 2073  
 Delta R.T. -0.01 min  
 Lab File: BG035772.D  
 Acq: 20 Jul 2018 5:52

Tgt Ion:149 Resp: 5773  
 Ion Ratio Lower Upper  
 149 100  
 177 28.3 18.5 27.7#  
 150 9.6 10.2 15.2#

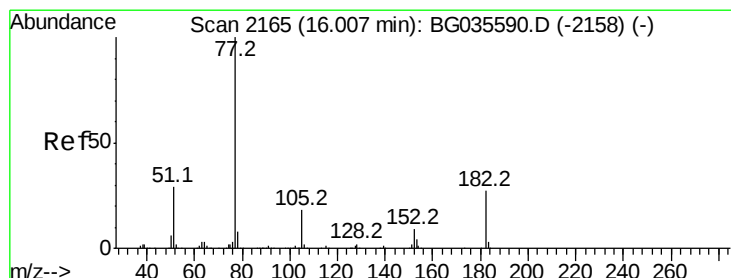
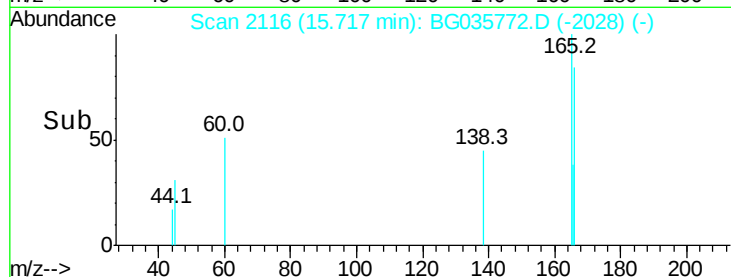
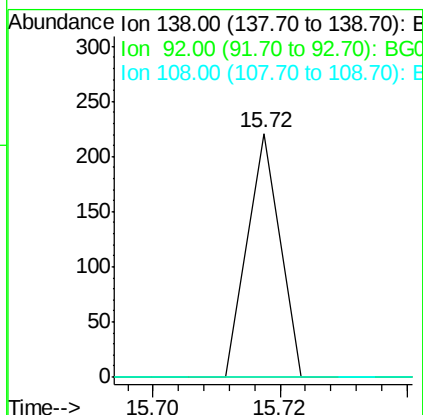
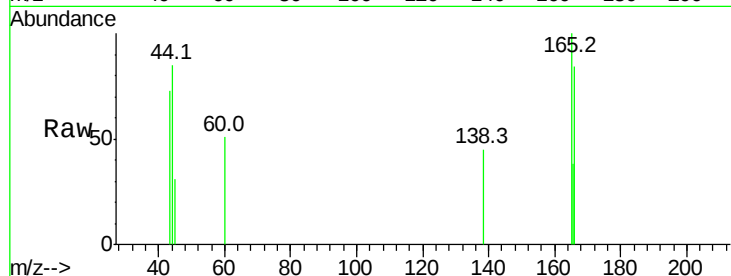




#61  
4-Nitroaniline  
Concen: 0.041 ng  
RT: 15.72 min Scan# 2116  
Delta R.T. -0.01 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

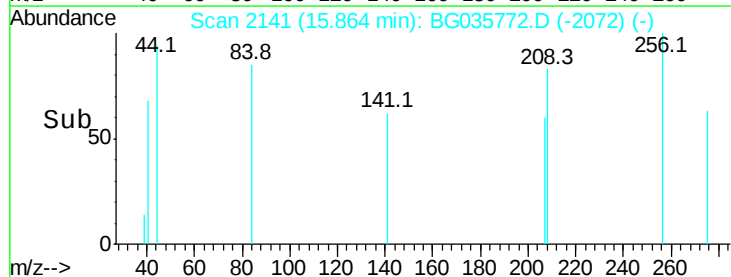
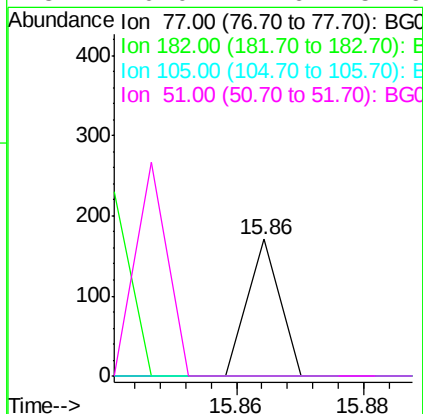
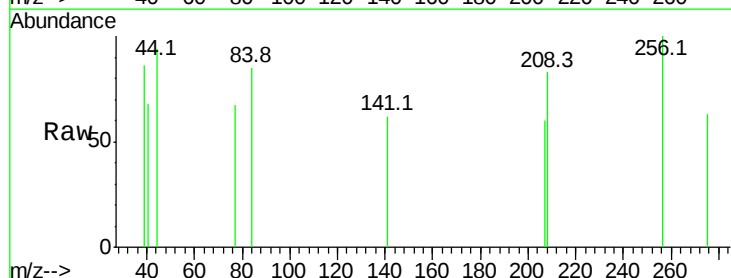
Instrument :  
BNA\_G  
ClientSampleId :  
LS-SOIL-1

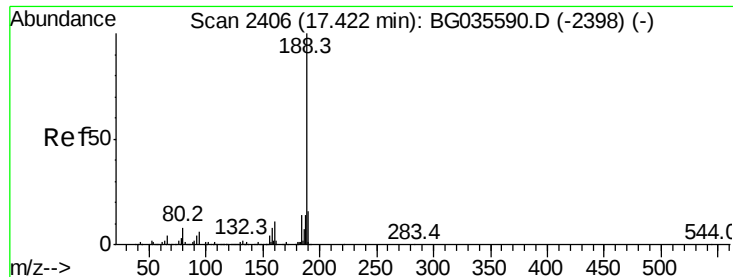
Tot Ion: 138 Resp: 78  
Ion Ratio Lower Upper  
138 100  
92 0.0 40.1 80.1#  
108 0.0 65.4 105.4#



#62  
Azobenzene  
Concen: 0.007 ng  
RT: 15.86 min Scan# 2141  
Delta R.T. -0.12 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

Tgt Ion: 77 Resp: 60  
Ion Ratio Lower Upper  
77 100  
182 0.0 7.4 47.4#  
105 0.0 0.3 40.3#  
51 0.0 11.6 51.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

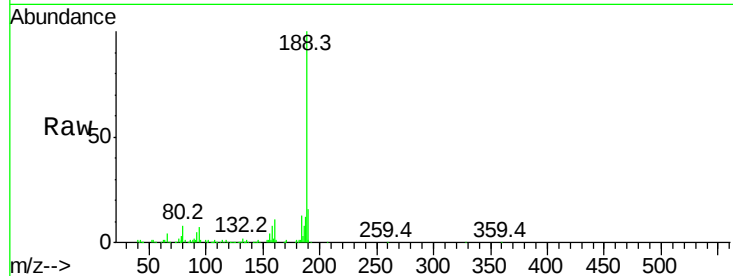
Tot Ion:188 Resp: 269235

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

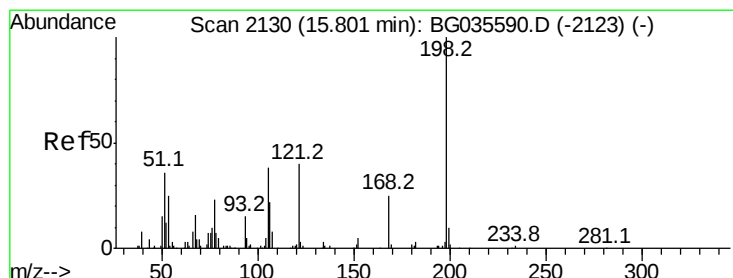
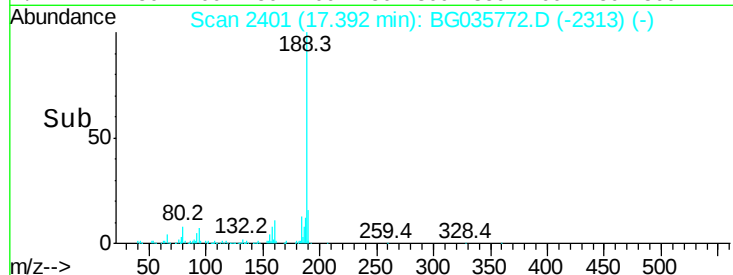
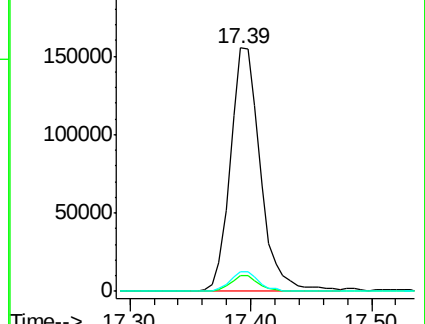
80 8.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 0.535 ng

RT: 16.13 min Scan# 2187

Delta R.T. 0.35 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

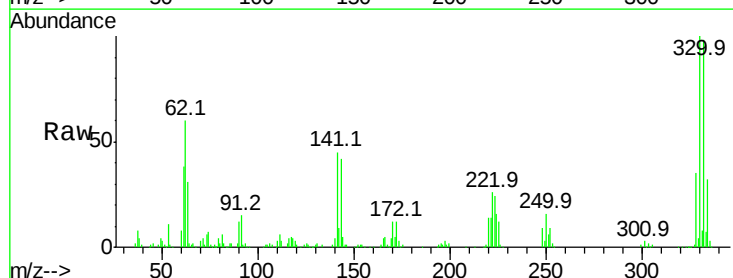
Tgt Ion:198 Resp: 802

Ion Ratio Lower Upper

198 100

51 89.0 30.6 70.6#

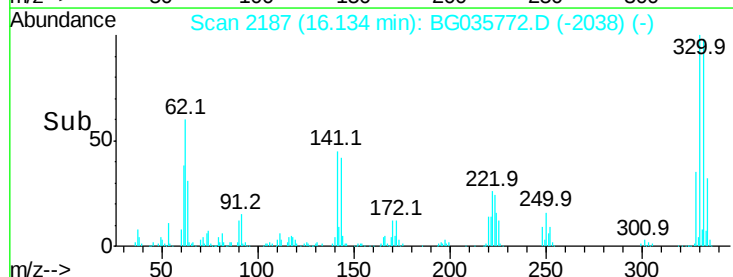
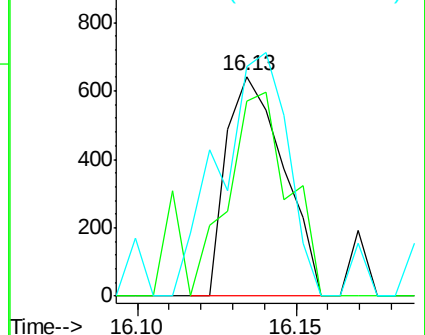
105 104.2 23.8 63.8#

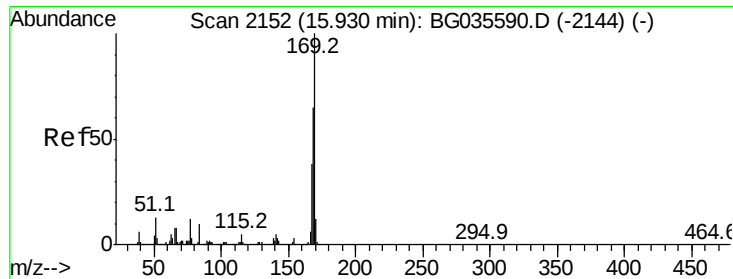


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 1.118 ng

RT: 16.14 min Scan# 2188

Delta R.T. 0.23 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

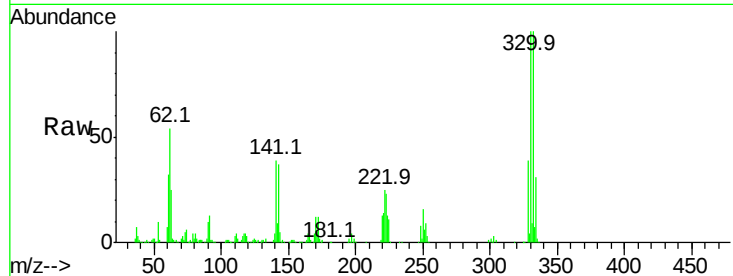
Tot Ion:169 Resp: 8565

Ion Ratio Lower Upper

169 100

168 10.5 55.7 83.5#

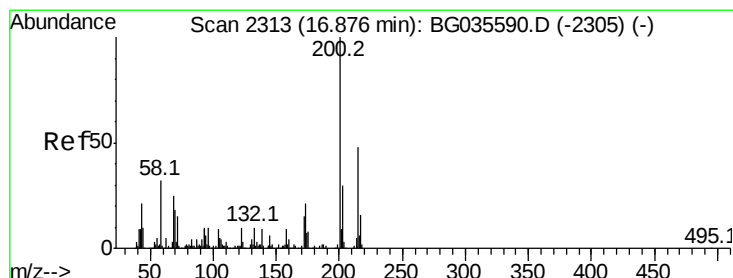
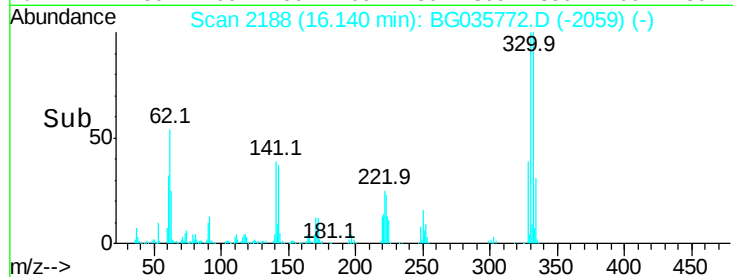
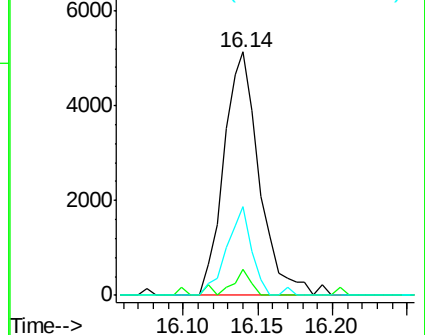
167 36.7 30.1 45.1



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



#68

Atrazine

Concen: 0.021 ng

RT: 16.66 min Scan# 2276

Delta R.T. -0.20 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

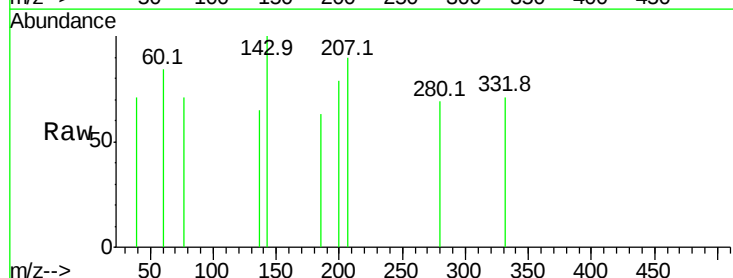
Tgt Ion:200 Resp: 66

Ion Ratio Lower Upper

200 100

173 0.0 5.2 45.2#

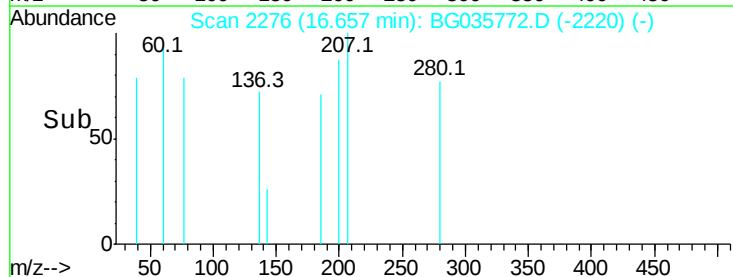
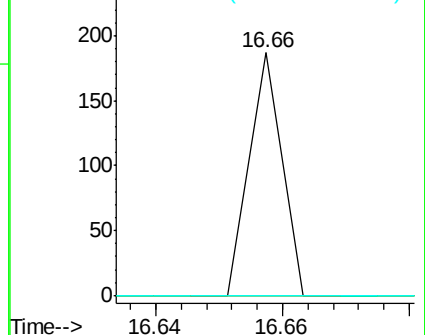
215 0.0 30.4 70.4#

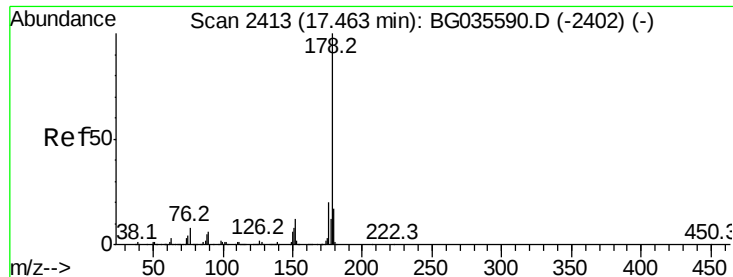


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 0.144 ng

RT: 17.44 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

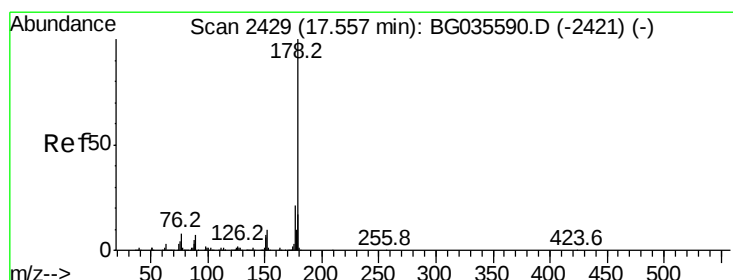
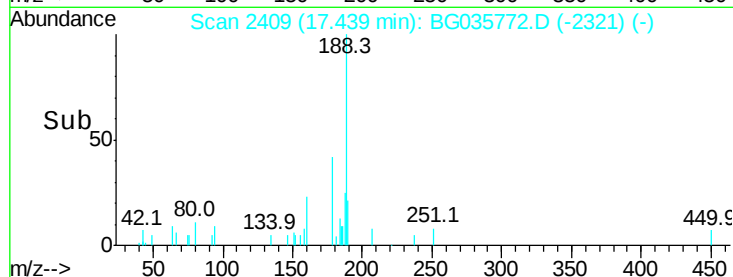
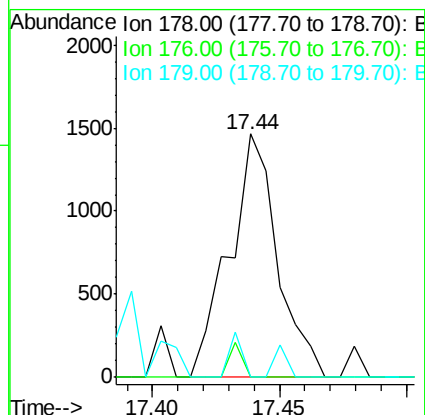
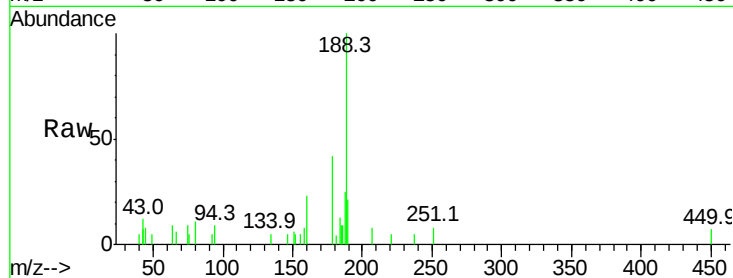
Tot Ion:178 Resp: 1932

Ion Ratio Lower Upper

178 100

176 0.0 15.7 23.5#

179 0.0 12.5 18.7#



#71

Anthracene

Concen: 0.006 ng

RT: 17.54 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

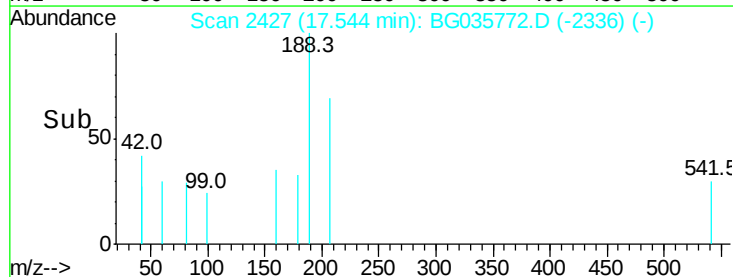
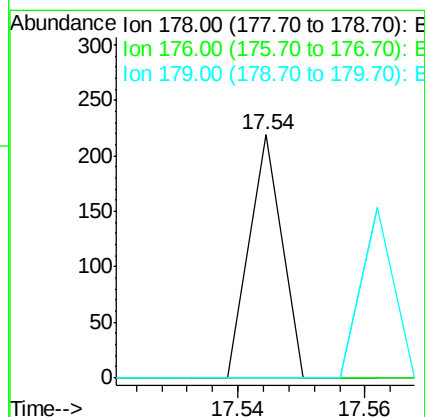
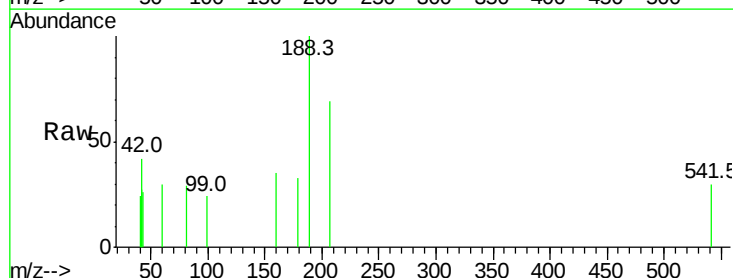
Tgt Ion:178 Resp: 77

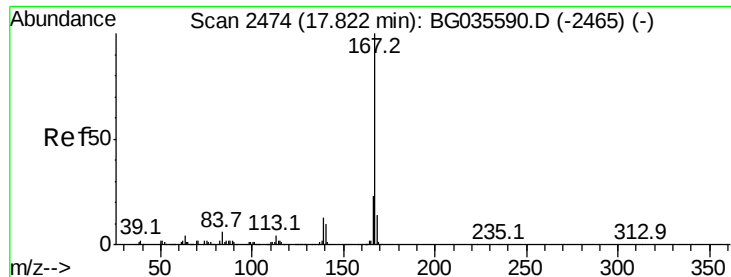
Ion Ratio Lower Upper

178 100

176 0.0 16.0 24.0#

179 0.0 12.5 18.7#





#72

Carbazole

Concen: 0.004 ng

RT: 17.86 min Scan# 2480

Delta R.T. 0.05 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

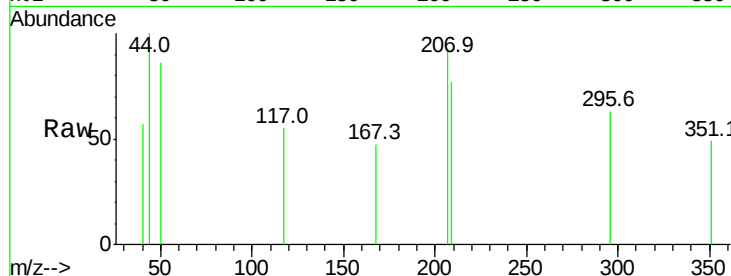
Tot Ion:167 Resp: 57

Ion Ratio Lower Upper

167 100

166 0.0 18.2 27.4#

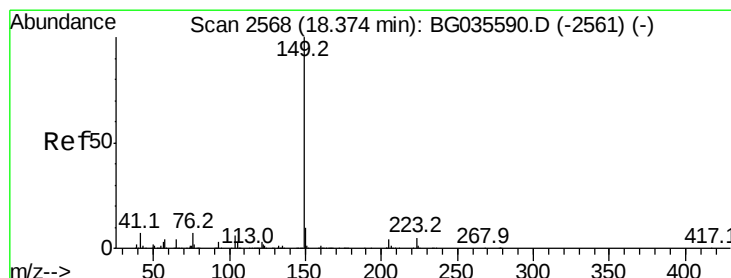
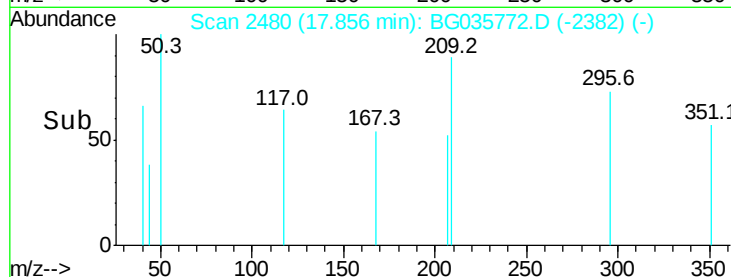
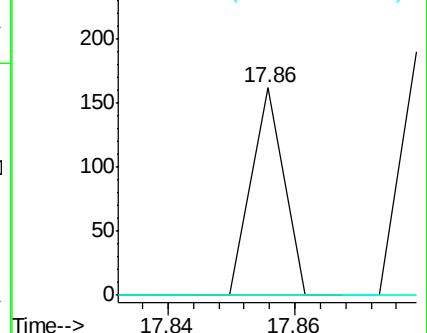
139 0.0 9.4 14.2#



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: 0.075 ng

RT: 18.36 min Scan# 2566

Delta R.T. -0.00 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

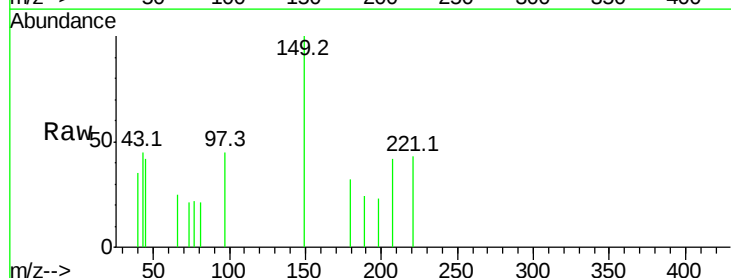
Tgt Ion:149 Resp: 1123

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

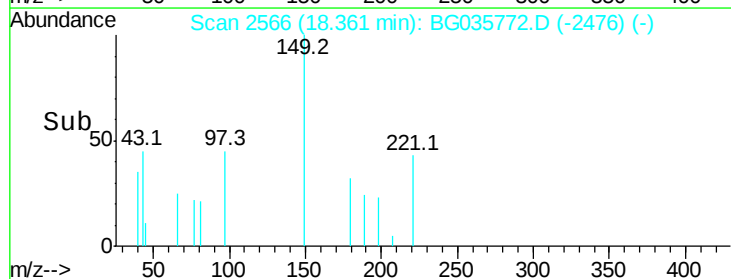
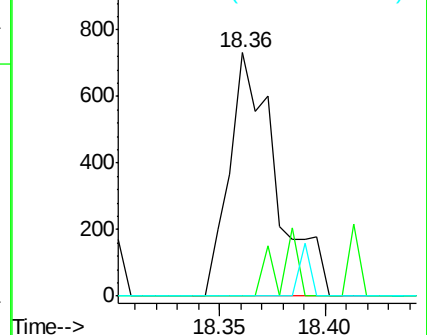
104 0.0 3.9 5.9#

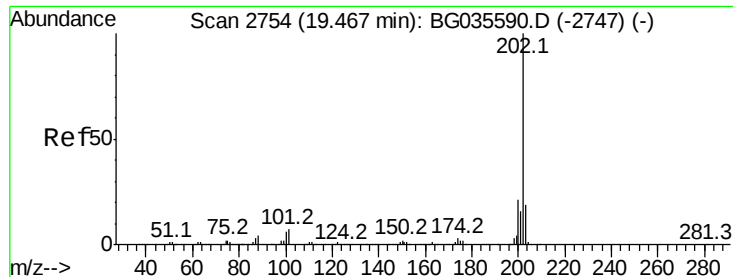


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 0.085 ng

RT: 19.46 min Scan# 2753

Delta R.T. 0.00 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

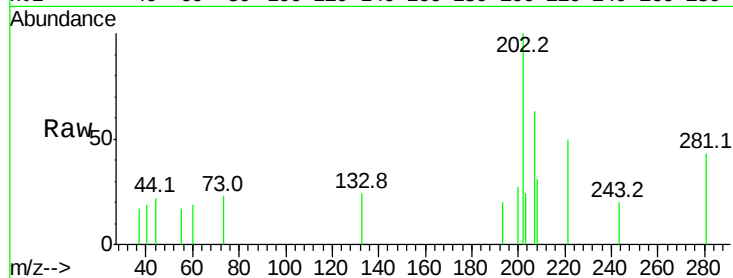
Tot Ion:202 Resp: 1536

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.9

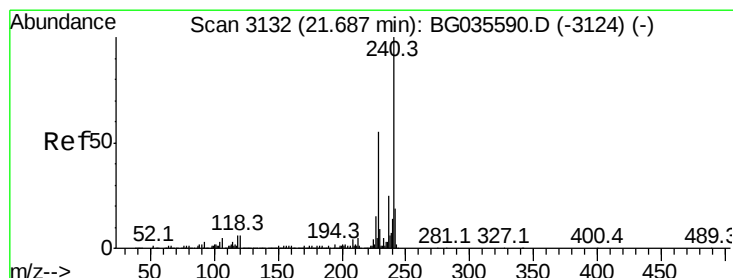
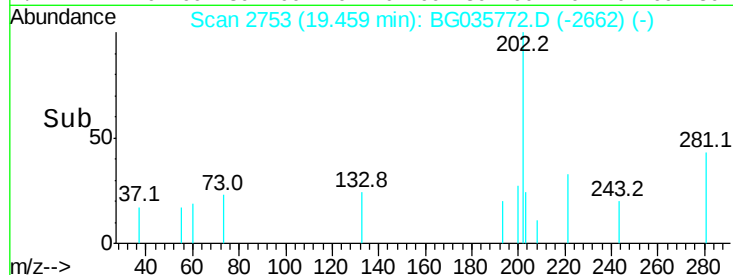
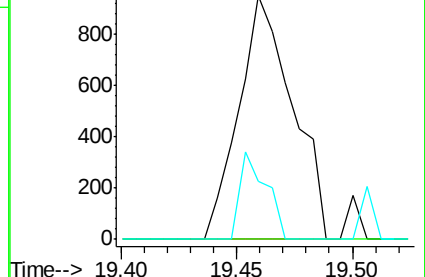
203 23.8 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.02 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

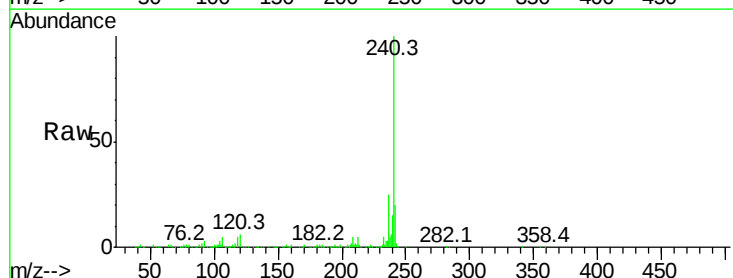
Tgt Ion:240 Resp: 336570

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

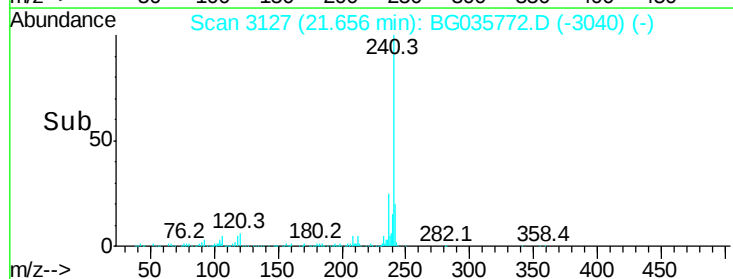
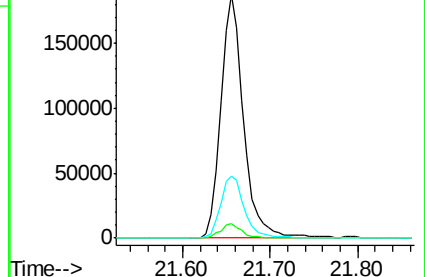
236 25.2 20.9 31.3

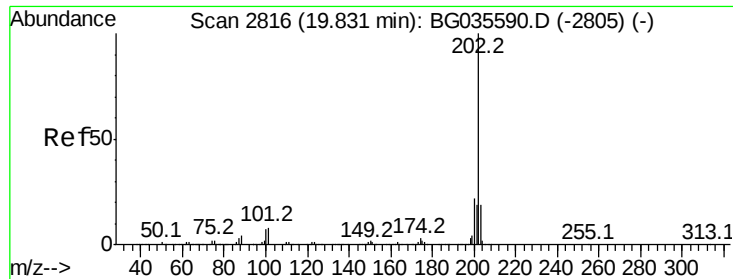


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 0.061 ng

RT: 19.82 min Scan# 2814

Delta R.T. 0.00 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

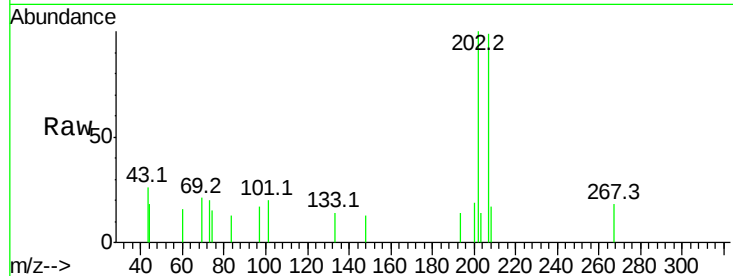
Tot Ion:202 Resp: 1302

Ion Ratio Lower Upper

202 100

200 18.9 16.9 25.3

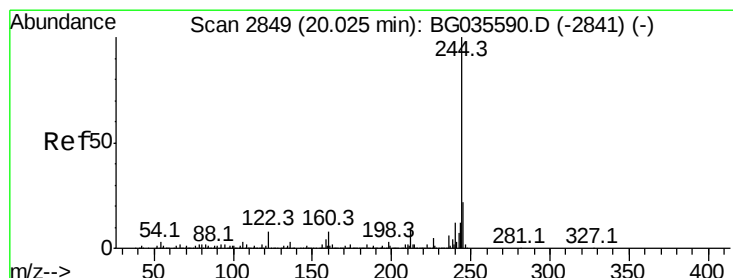
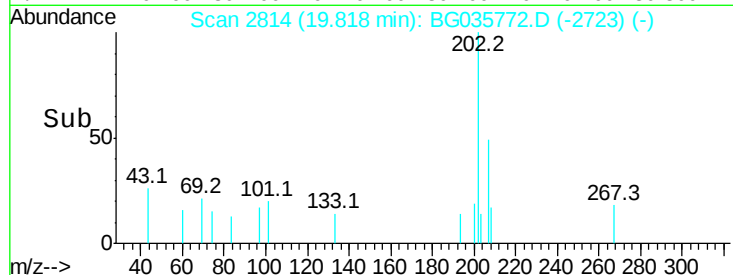
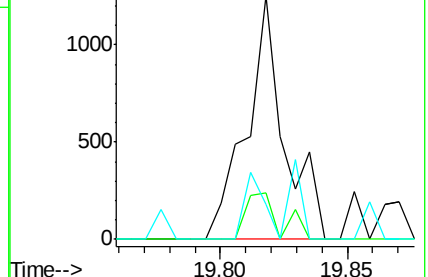
203 14.5 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 104.668 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

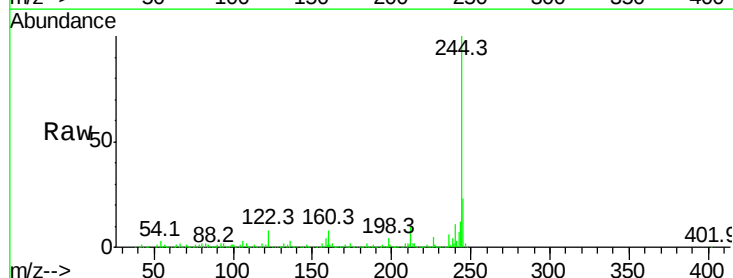
Tgt Ion:244 Resp: 1598155

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

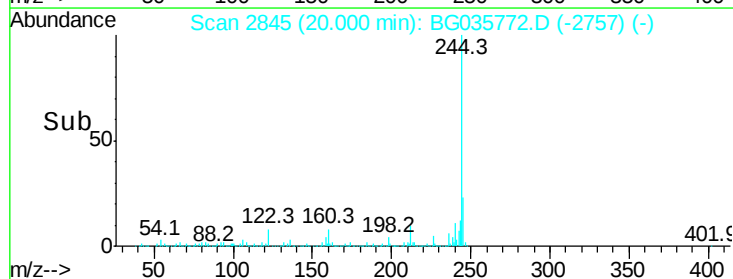
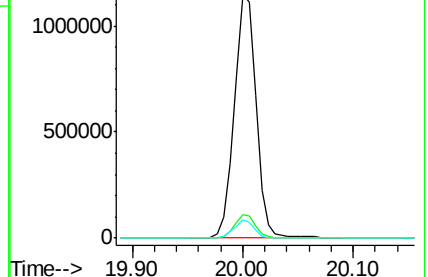
122 7.7 7.0 10.4

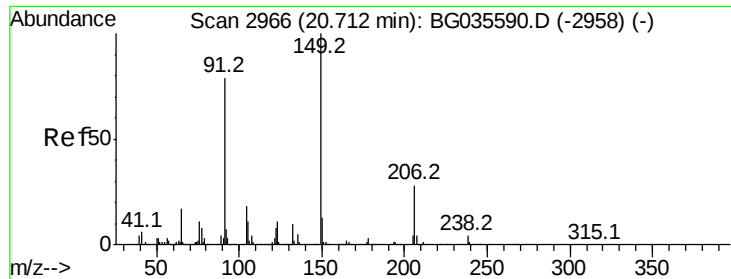


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

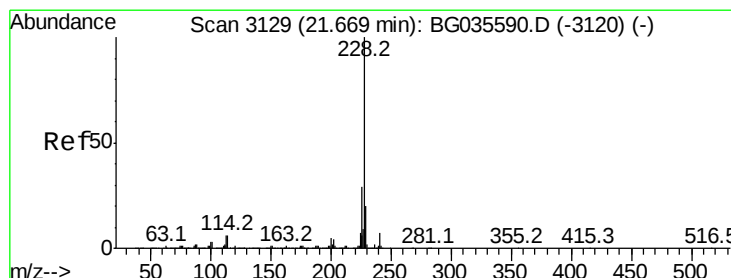
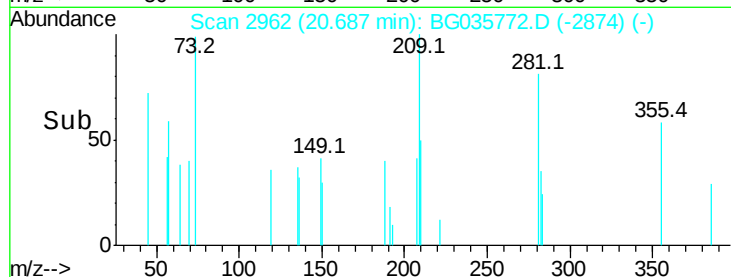
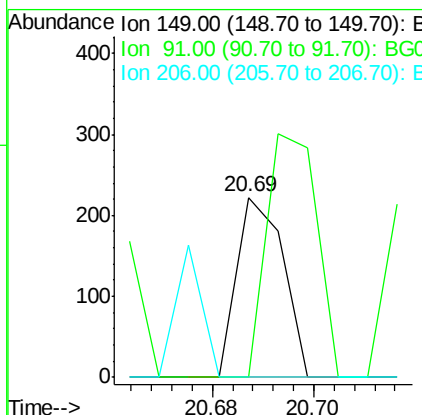
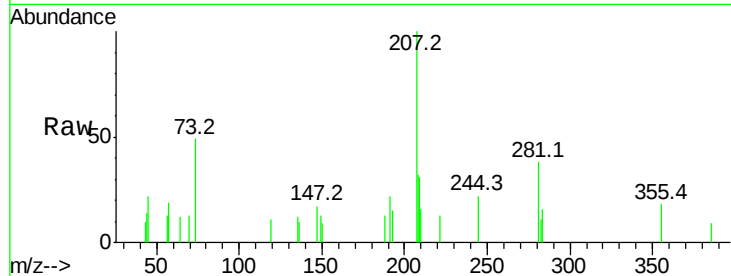




#79  
Butylbenzylphthalate  
Concen: 0.019 ng  
RT: 20.69 min Scan# 2962  
Delta R.T. -0.01 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

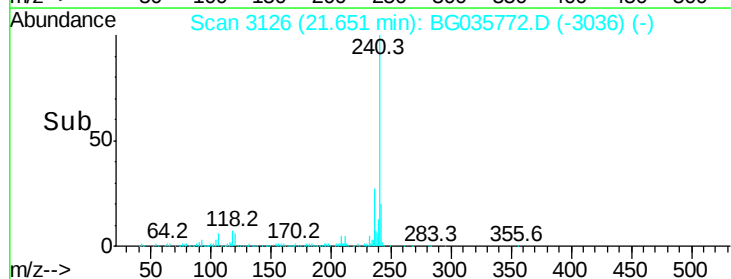
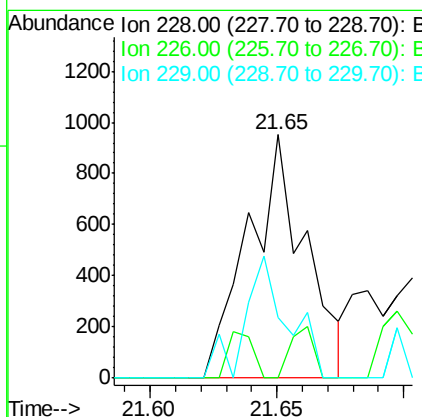
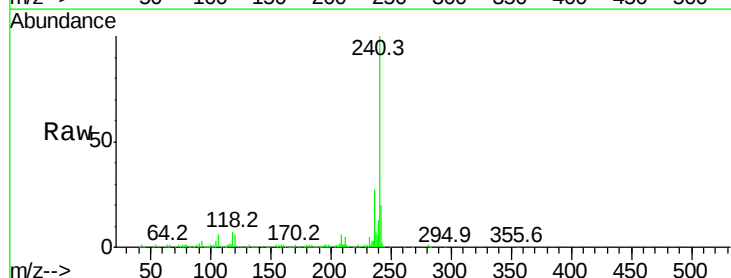
Instrument :  
BNA\_G  
ClientSampleId :  
LS-SOIL-1

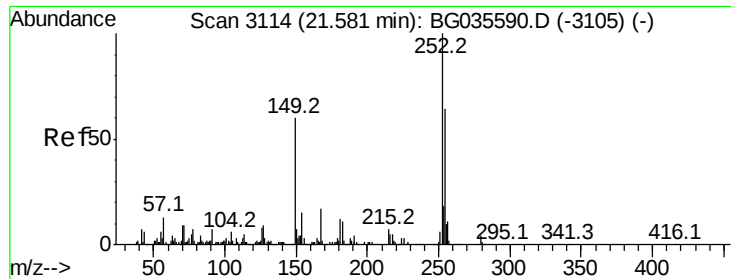
Tot Ion:149 Resp: 142  
Ion Ratio Lower Upper  
149 100  
91 0.0 62.2 93.2#  
206 0.0 18.6 27.8#



#80  
Benzo(a)anthracene  
Concen: 0.071 ng  
RT: 21.65 min Scan# 3126  
Delta R.T. -0.00 min  
Lab File: BG035772.D  
Acq: 20 Jul 2018 5:52

Tgt Ion:228 Resp: 1490  
Ion Ratio Lower Upper  
228 100  
226 0.0 22.7 34.1#  
229 25.1 16.2 24.2#

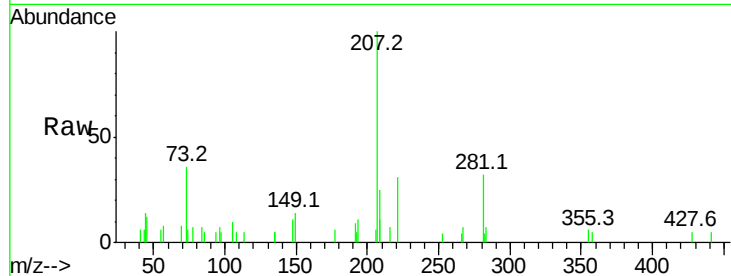




#81  
 3,3'-Dichlorobenzidine  
 Concen: 0.007 ng  
 RT: 21.56 min Scan# 3110  
 Delta R.T. -0.01 min  
 Lab File: BG035772.D  
 Acq: 20 Jul 2018 5:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LS-SOIL-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 0.0   | 50.8  | 76.2# |
| 126     | 0.0   | 7.4   | 11.2# |



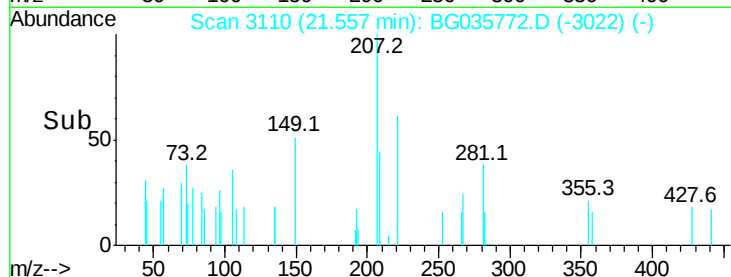
Abundance

Ion 252.00 (251.70 to 252.70): E

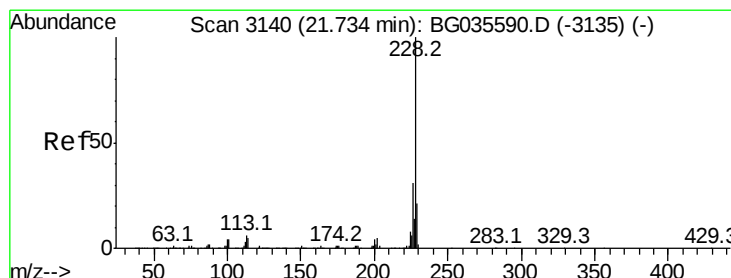
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

21.56

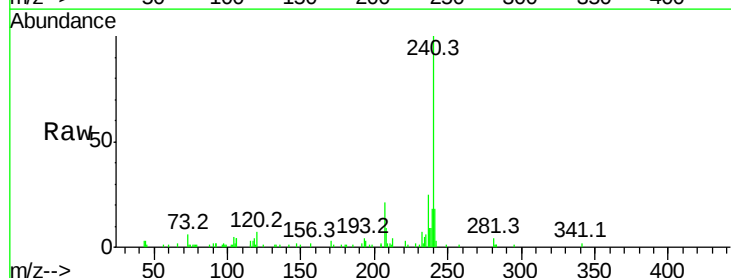


Time-->



#82  
 Chrysene  
 Concen: 0.006 ng  
 RT: 21.69 min Scan# 3132  
 Delta R.T. -0.04 min  
 Lab File: BG035772.D  
 Acq: 20 Jul 2018 5:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 0.0   | 24.9  | 37.3# |
| 229     | 0.0   | 15.0  | 22.4# |



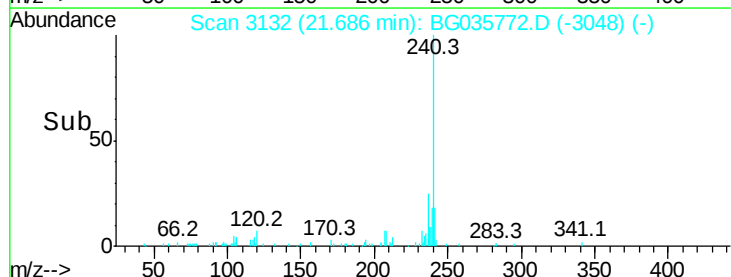
Abundance

Ion 228.00 (227.70 to 228.70): E

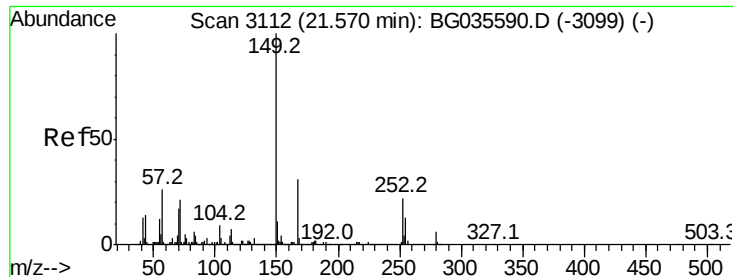
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.69



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.055 ng

RT: 21.53 min Scan# 3105

Delta R.T. -0.02 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampled :

LS-SOIL-1

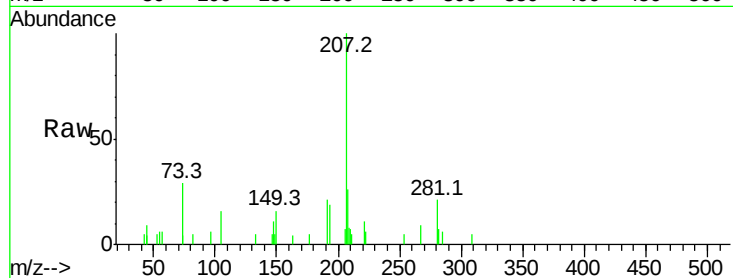
Tot Ion:149 Resp: 568

Ion Ratio Lower Upper

149 100

167 0.0 24.3 36.5#

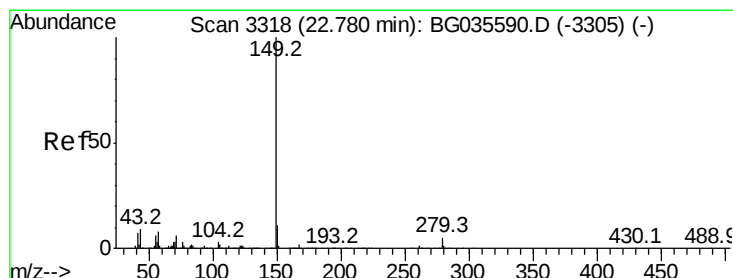
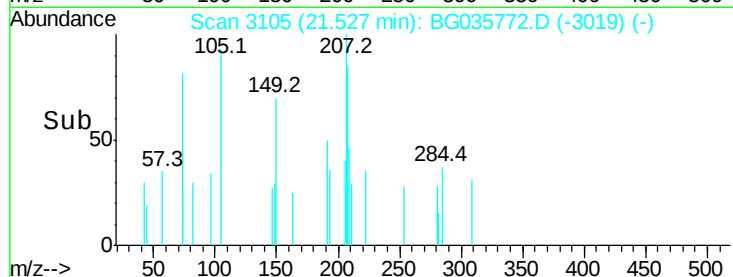
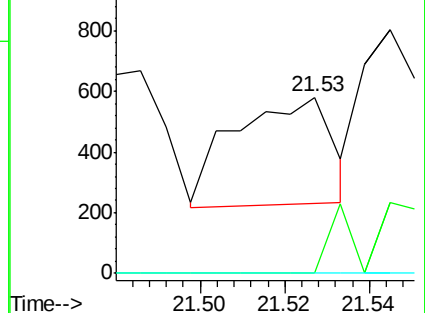
279 0.0 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.073 ng

RT: 22.74 min Scan# 3311

Delta R.T. -0.02 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

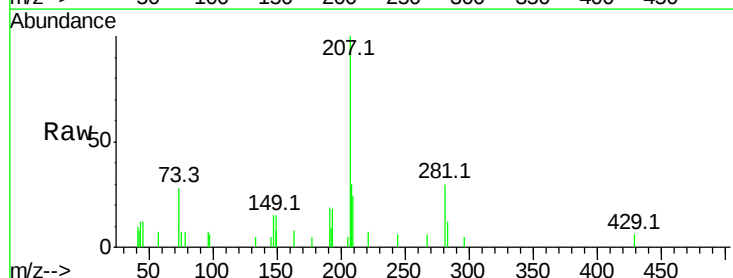
Tgt Ion:149 Resp: 1271

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

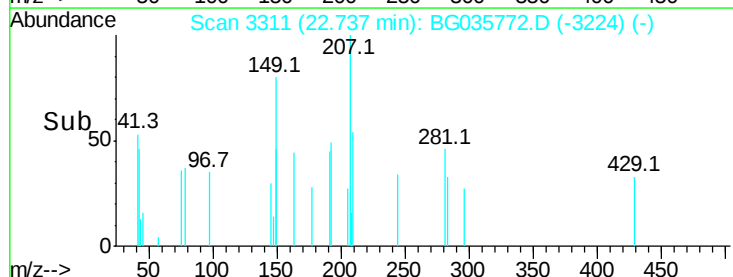
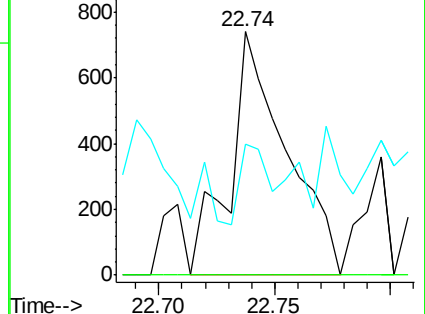
43 24.9 8.9 13.3#

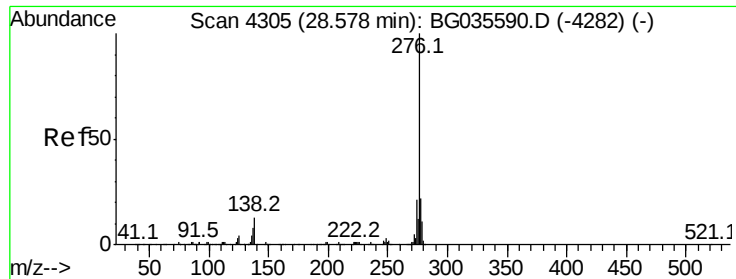


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

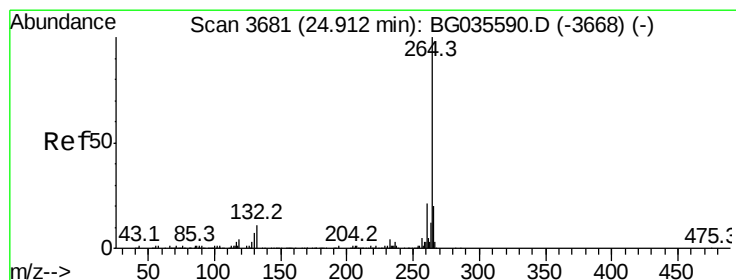
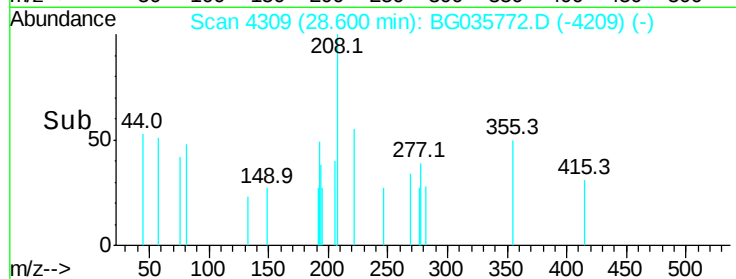
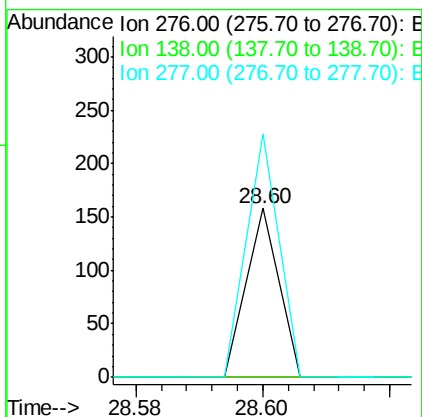
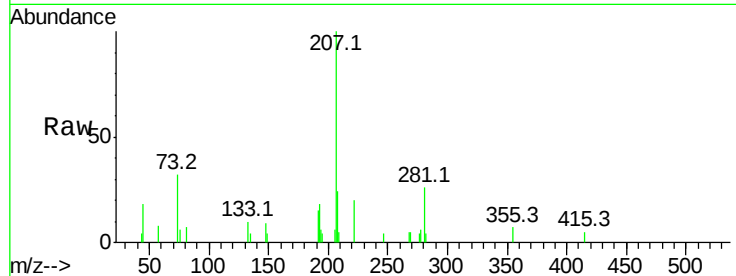




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.003 ng  
 RT: 28.60 min Scan# 4309  
 Delta R.T. 0.06 min  
 Lab File: BG035772.D  
 Acq: 20 Jul 2018 5:52

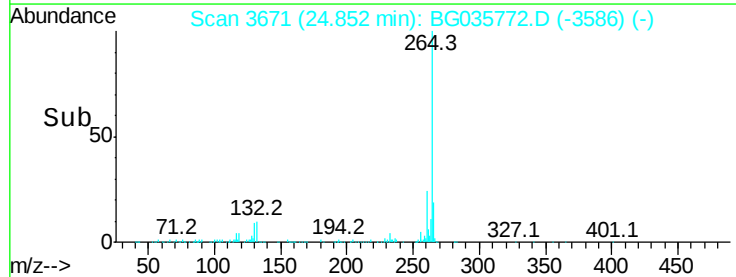
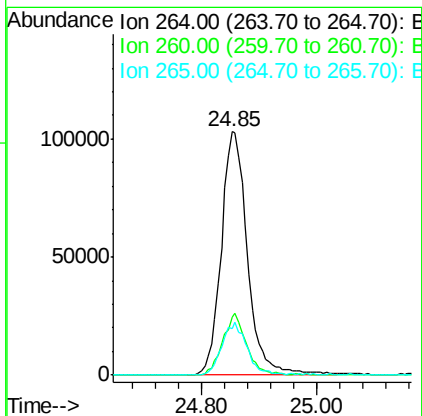
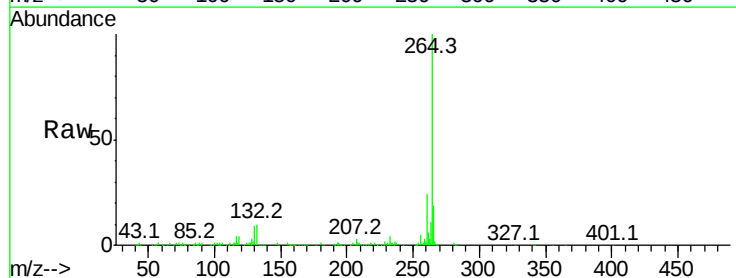
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LS-SOIL-1

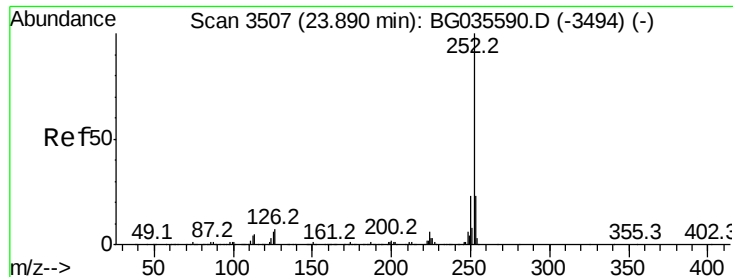
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 0.0   | 16.0  | 24.0# |
| 277     | 142.9 | 20.0  | 30.0# |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.85 min Scan# 3671  
 Delta R.T. -0.03 min  
 Lab File: BG035772.D  
 Acq: 20 Jul 2018 5:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 17.4  | 26.0  |
| 265     | 19.3  | 17.7  | 26.5  |





#87

Benzo(b)fluoranthene

Concen: 0.034 ng

RT: 23.84 min Scan# 3499

Delta R.T. -0.02 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

BNA\_G

ClientSampleId :

LS-SOIL-1

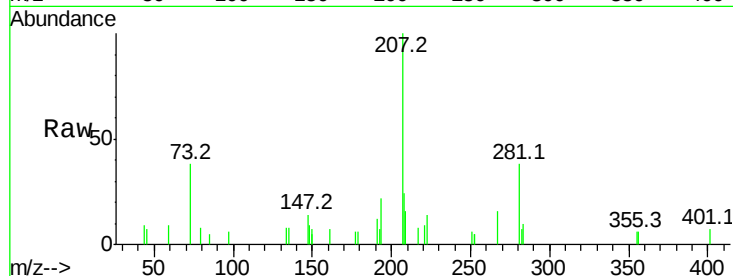
Tot Ion:252 Resp: 677

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.4#

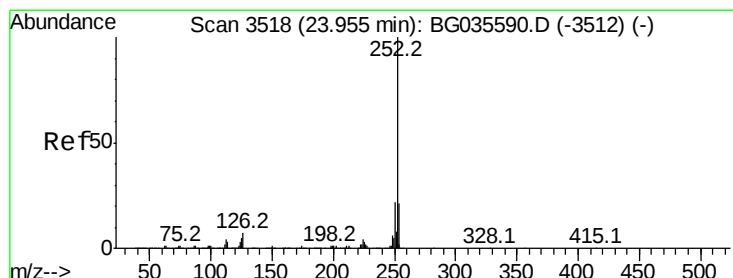
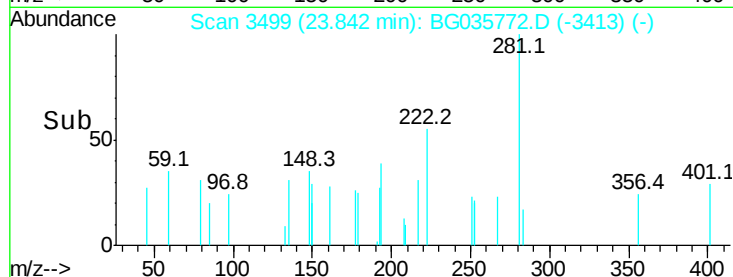
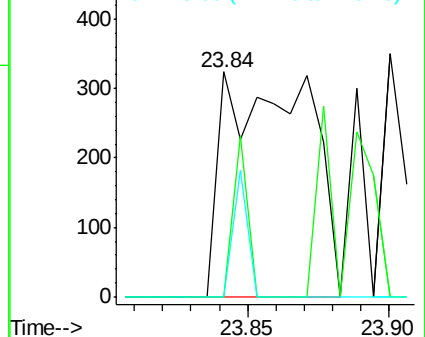
125 0.0 7.2 10.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.062 ng

RT: 23.92 min Scan# 3512

Delta R.T. -0.01 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

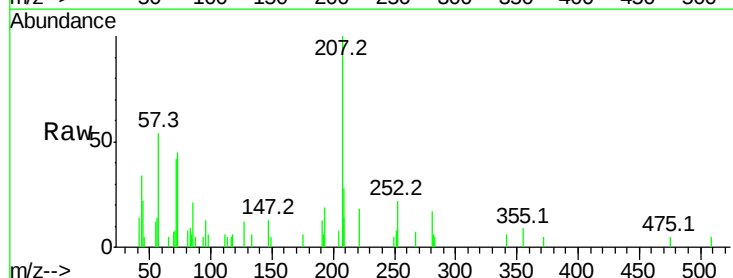
Tgt Ion:252 Resp: 1194

Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.2#

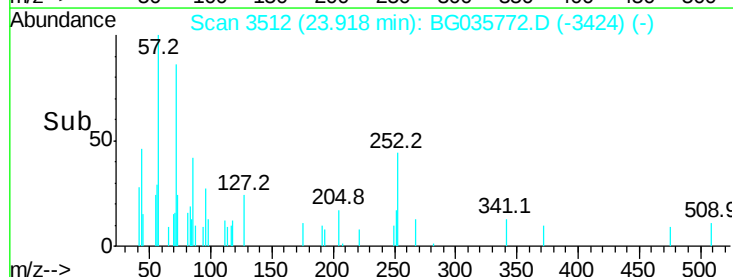
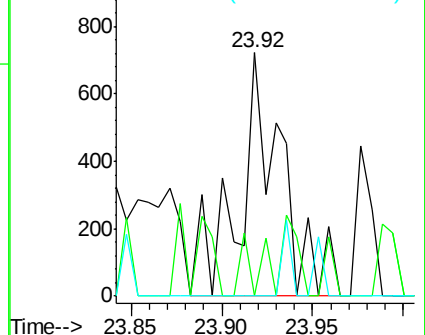
125 0.0 6.6 9.8#

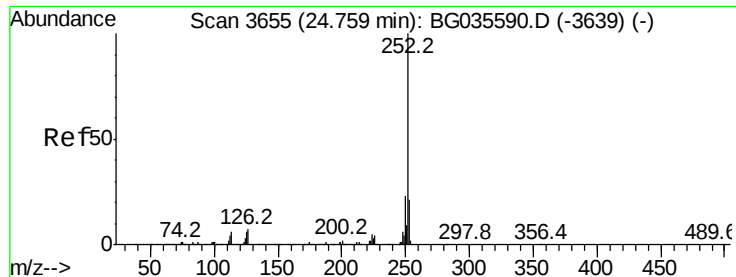


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.022 ng

RT: 24.71 min Scan# 3646

Delta R.T. -0.03 min

Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Instrument :

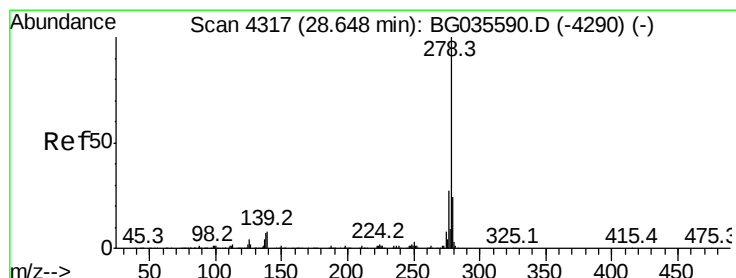
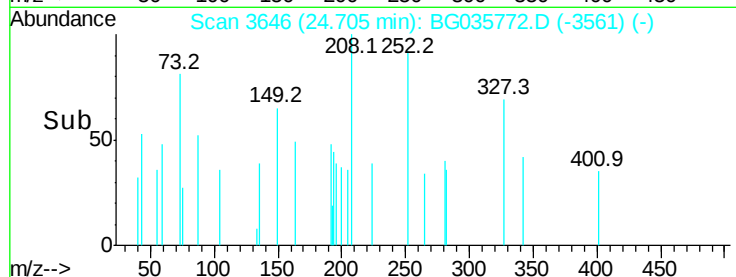
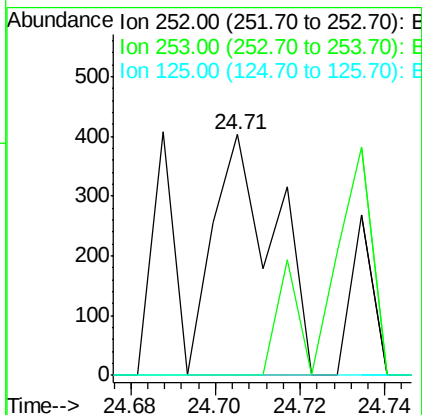
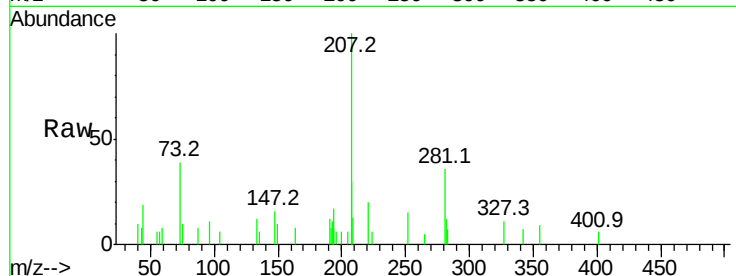
BNA\_G

ClientSampleId :

LS-SOIL-1

Tot Ion:252 Resp: 407

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 0.0   | 18.3  | 27.5# |
| 125 | 0.0   | 7.3   | 10.9# |



#90

Dibenzo(a,h)anthracene

Concen: 0.003 ng

RT: 28.54 min Scan# 4298

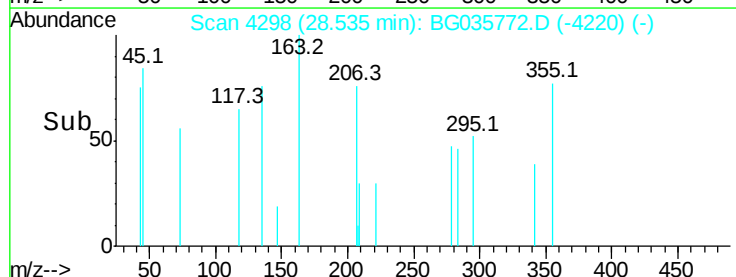
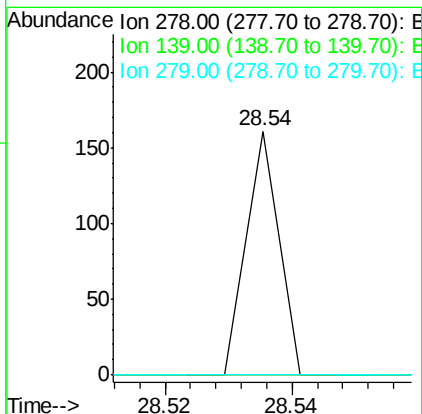
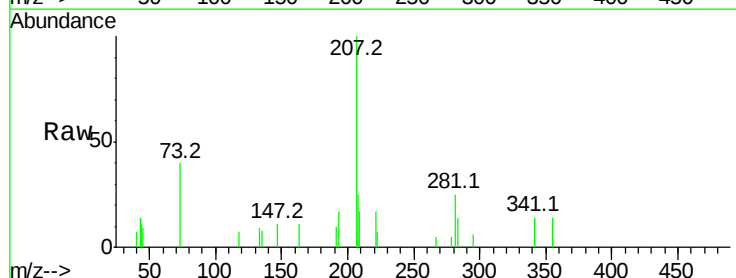
Delta R.T. -0.07 min

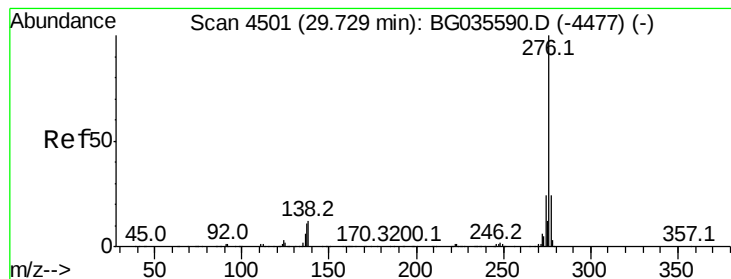
Lab File: BG035772.D

Acq: 20 Jul 2018 5:52

Tgt Ion:278 Resp: 57

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 0.0   | 9.8   | 14.6# |
| 279 | 0.0   | 18.4  | 27.6# |





#91  
 Benzo(a,h,i)perylene  
 Concen: 0.005 ng  
 RT: 29.51 min Scan# 4464  
 Delta R.T. -0.18 min  
 Lab File: BG035772.D  
 Acq: 20 Jul 2018 5:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LS-SOIL-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 0.0   | 18.3  | 27.5# |
| 138     | 0.0   | 13.9  | 20.9# |

