

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101718\  
 Data File : BM017183.D  
 Acq On : 18 Oct 2018 09:10  
 Operator : MJ/SJ  
 Sample : J5164-01  
 Misc : LOD 1 PPM  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 18 13:04:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM101718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 17 14:23:17 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 193736   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.45 | 136  | 804139   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.31 | 164  | 462652   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.06 | 188  | 1101134  | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.25 | 240  | 1273902  | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 23.47 | 264  | 1292315  | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.28  | 112 | 1599751 | 139.66 | ng | 0.00  |
| 7) Phenol-d6             | 6.85  | 99  | 2088515 | 133.87 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 8.82  | 82  | 1223133 | 88.96  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.80 | 330 | 935094  | 149.46 | ng | -0.01 |
| 45) 2-Fluorobiphenyl     | 12.93 | 172 | 2984839 | 85.84  | ng | 0.00  |
| 79) Terphenyl-d14        | 19.70 | 244 | 4744812 | 83.95  | ng | 0.00  |

## Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.27  | 88  | 6581  | 1.125 | ng | # 75   |
| 3) Pyridine                    | 3.63  | 79  | 470   | 0.035 | ng | # 1    |
| 4) n-Nitrosodimethylamine      | 3.58  | 42  | 5697  | 1.054 | ng | # 86   |
| 6) Aniline                     | 7.01  | 93  | 11847 | 0.607 | ng | 93     |
| 8) 2-Chlorophenol              | 7.24  | 128 | 13840 | 1.044 | ng | 90     |
| 9) Benzaldehyde                | 6.83  | 77  | 14207 | 1.428 | ng | # 70   |
| 10) Phenol                     | 6.88  | 94  | 17118 | 1.020 | ng | # 74   |
| 11) bis(2-Chloroethyl)ether    | 7.10  | 93  | 12425 | 0.928 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.56  | 146 | 15540 | 1.006 | ng | 94     |
| 13) 1,4-Dichlorobenzene        | 7.70  | 146 | 15731 | 0.997 | ng | 93     |
| 14) 1,2-Dichlorobenzene        | 8.02  | 146 | 14828 | 0.975 | ng | 97     |
| 15) Benzyl Alcohol             | 7.92  | 79  | 10015 | 0.878 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 16672 | 0.892 | ng | 93     |
| 17) 2-Methylphenol             | 8.12  | 107 | 9787  | 0.908 | ng | 93     |
| 18) Hexachloroethane           | 8.73  | 117 | 5333  | 0.987 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 8.48  | 70  | 9053  | 0.881 | ng | # 90   |
| 20) 3+4-Methylphenols          | 8.44  | 107 | 12605 | 0.855 | ng | 96     |
| 22) Acetophenone               | 8.49  | 105 | 19939 | 0.978 | ng | # 97   |
| 24) Nitrobenzene               | 8.86  | 77  | 17075 | 1.174 | ng | 93     |
| 25) Isophorone                 | 9.39  | 82  | 22884 | 1.008 | ng | 94     |
| 26) 2-Nitrophenol              | 9.58  | 139 | 4303  | 6.260 | ng | # 82   |
| 27) 2,4-Dimethylphenol         | 9.63  | 122 | 9731  | 0.969 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 9.88  | 93  | 15664 | 0.980 | ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.12 | 162 | 8816  | 0.756 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.31 | 180 | 14093 | 1.008 | ng | 93     |
| 31) Naphthalene                | 10.50 | 128 | 40934 | 1.039 | ng | 97     |
| 32) Benzoic acid               | 9.77  | 122 | 150   | 0.020 | ng | # 68   |
| 33) 4-Chloroaniline            | 10.63 | 127 | 10181 | 0.598 | ng | # 93   |
| 34) Hexachlorobutadiene        | 10.78 | 225 | 8413  | 0.950 | ng | 92     |
| 35) Caprolactam                | 11.42 | 113 | 1200  | 0.282 | ng | # 83   |
| 36) 4-Chloro-3-methylphenol    | 11.75 | 107 | 9631  | 0.733 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.12 | 142 | 29784 | 1.104 | ng | 95     |
| 38) 1-Methylnaphthalene        | 12.33 | 142 | 27684 | 1.055 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216 | 15342 | 0.942 | ng | 97     |

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 Sample : J5164-01  
 Misc : LOD 1 PPM  
 ALS Vial : 3 Sample Multiplier: 1

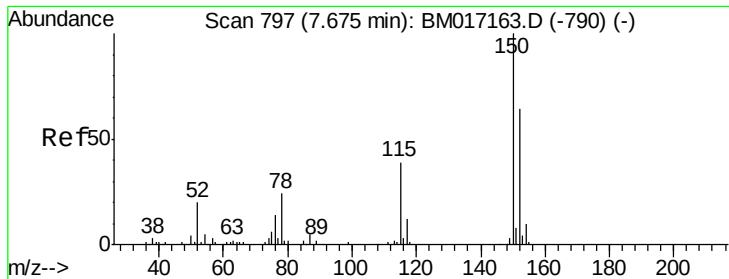
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 18 13:04:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM101718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 17 14:23:17 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.46 | 237  | 8599     | 1.092 | ng    | 94       |
| 43) 2,4,6-Trichlorophenol      | 12.73 | 196  | 7139     | 0.755 | ng    | 85       |
| 44) 2,4,5-Trichlorophenol      | 12.81 | 196  | 8035     | 0.792 | ng    | # 84     |
| 46) 1,1'-Biphenyl              | 13.14 | 154  | 43457    | 1.044 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 13.18 | 162  | 30186    | 0.986 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.40 | 65   | 5520     | 6.250 | ng    | 98       |
| 49) Acenaphthylene             | 14.03 | 152  | 41338    | 0.931 | ng    | 98       |
| 50) Dimethylphthalate          | 13.77 | 163  | 36627    | 1.026 | ng    | # 95     |
| 51) 2,6-Dinitrotoluene         | 13.90 | 165  | 5572     | 0.709 | ng    | 96       |
| 52) Acenaphthene               | 14.37 | 154  | 29058    | 1.042 | ng    | 96       |
| 53) 3-Nitroaniline             | 14.24 | 138  | 4369     | 0.513 | ng    | # 71     |
| 54) 2,4-Dinitrophenol          | 14.45 | 184  | 1516     | 8.521 | ng    | # 88     |
| 55) Dibenzofuran               | 14.72 | 168  | 48301    | 1.042 | ng    | 96       |
| 56) 4-Nitrophenol              | 14.57 | 139  | 2618     | 5.035 | ng    | 86       |
| 57) 2,4-Dinitrotoluene         | 14.69 | 165  | 6198     | 0.587 | ng    | # 79     |
| 58) Fluorene                   | 15.36 | 166  | 35234    | 1.027 | ng    | 95       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.95 | 232  | 7493     | 0.810 | ng    | # 97     |
| 60) Diethylphthalate           | 15.15 | 149  | 35094    | 0.991 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.36 | 204  | 18743    | 0.958 | ng    | 98       |
| 62) 4-Nitroaniline             | 15.40 | 138  | 3593     | 5.096 | ng    | 86       |
| 63) Azobenzene                 | 15.66 | 77   | 27546    | 0.801 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 15.46 | 198  | 3164     | 7.384 | ng    | 86       |
| 66) n-Nitrosodiphenylamine     | 15.58 | 169  | 28289    | 0.849 | ng    | 93       |
| 67) 4-Bromophenyl-phenylether  | 16.26 | 248  | 10618    | 0.878 | ng    | 92       |
| 68) Hexachlorobenzene          | 16.36 | 284  | 13733    | 0.978 | ng    | 94       |
| 69) Atrazine                   | 16.54 | 200  | 10380    | 0.871 | ng    | 98       |
| 70) Pentachlorophenol          | 16.72 | 266  | 4745     | 0.493 | ng    | 92       |
| 71) Phenanthrene               | 17.10 | 178  | 64163    | 1.080 | ng    | 98       |
| 72) Anthracene                 | 17.20 | 178  | 55036    | 0.975 | ng    | 100      |
| 73) Carbazole                  | 17.47 | 167  | 45988    | 0.798 | ng    | 96       |
| 74) Di-n-butylphthalate        | 18.04 | 149  | 44786    | 0.736 | ng    | 99       |
| 75) Fluoranthene               | 19.13 | 202  | 66902    | 1.001 | ng    | 98       |
| 77) Benzidine                  | 19.33 | 184  | 12094    | 0.374 | ng    | # 94     |
| 78) Pyrene                     | 19.49 | 202  | 69025    | 0.969 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 20794    | 7.829 | ng    | 89       |
| 81) Benzo(a)anthracene         | 21.24 | 228  | 75843    | 1.058 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.18 | 252  | 16686    | 0.625 | ng    | 94       |
| 83) Chrysene                   | 21.29 | 228  | 75033    | 1.057 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 21.18 | 149  | 26585    | 5.878 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.05 | 149  | 45980    | 6.150 | ng    | # 88     |
| 86) Indeno(1,2,3-cd)pyrene     | 25.67 | 276  | 80001    | 1.008 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 22.80 | 252  | 74915    | 1.060 | ng    | 97       |
| 89) Benzo(k)fluoranthene       | 22.85 | 252  | 68451    | 0.965 | ng    | 96       |
| 90) Benzo(a)pyrene             | 23.37 | 252  | 66929    | 0.998 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene     | 25.69 | 278  | 68212    | 1.024 | ng    | 96       |
| 92) Benzo(g,h,i)perylene       | 26.36 | 276  | 69352    | 1.050 | ng    | 99       |

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



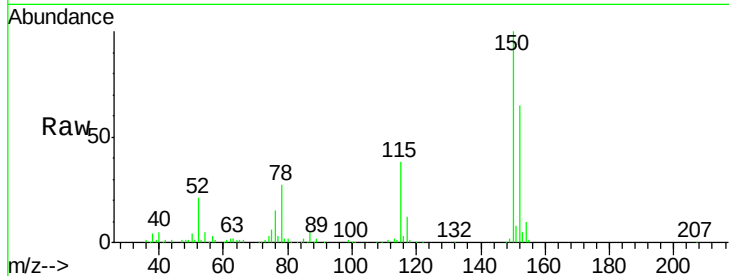


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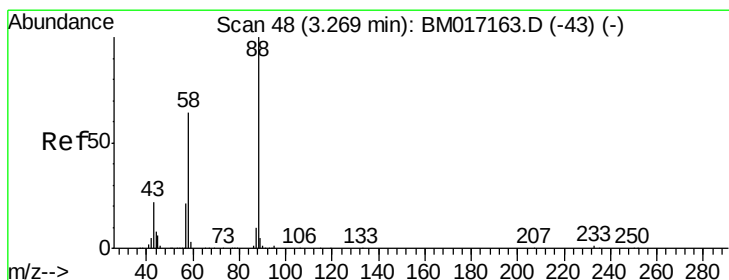
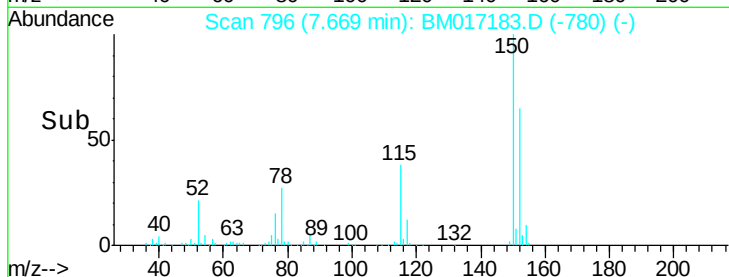
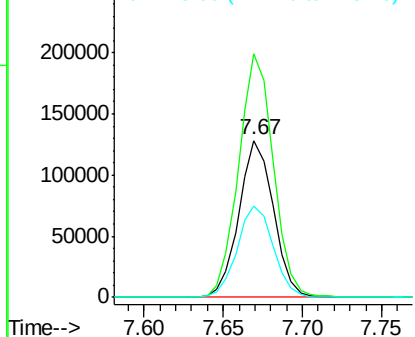
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.67 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:152 Resp: 193736  
Ion Ratio Lower Upper  
152 100  
150 154.9 124.3 186.5  
115 58.4 48.1 72.1



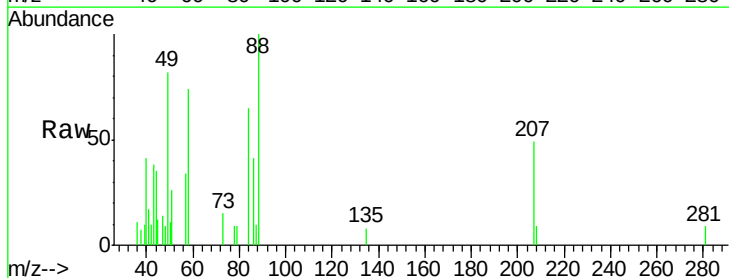
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



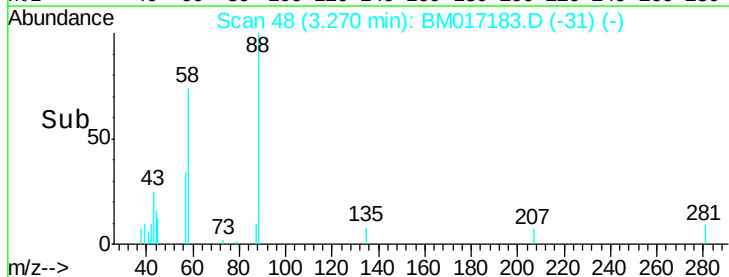
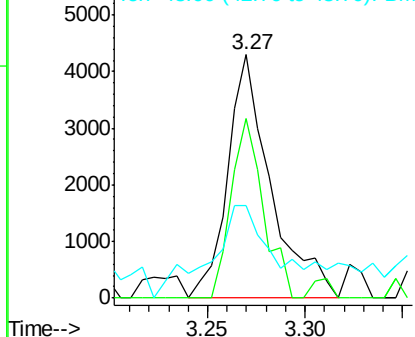
#2

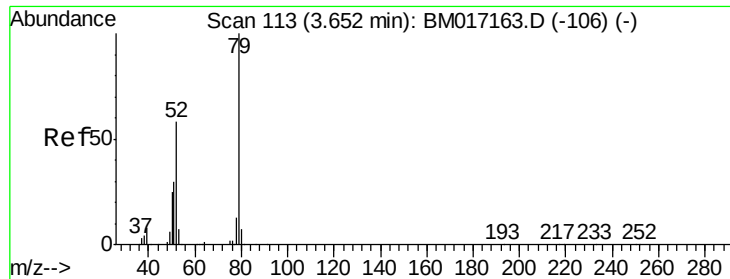
1,4-Dioxane  
Concen: 1.125 ng  
RT: 3.27 min Scan# 48  
Delta R.T. 0.00 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Tgt Ion: 88 Resp: 6581  
Ion Ratio Lower Upper  
88 100  
58 55.0 50.2 75.4  
43 55.5 19.3 28.9#



Abundance Ion 88.00 (87.70 to 88.70): BM0  
Ion 58.00 (57.70 to 58.70): BM0  
Ion 43.00 (42.70 to 43.70): BM0

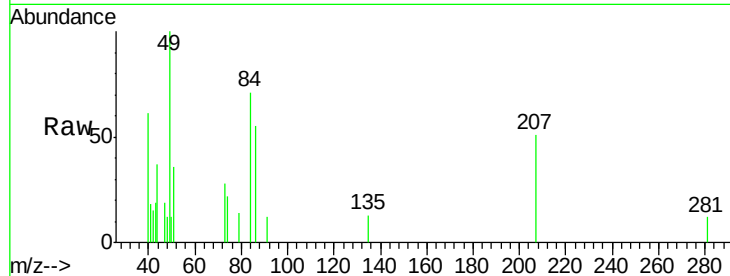




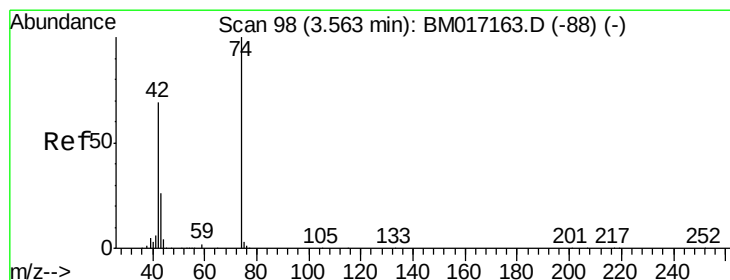
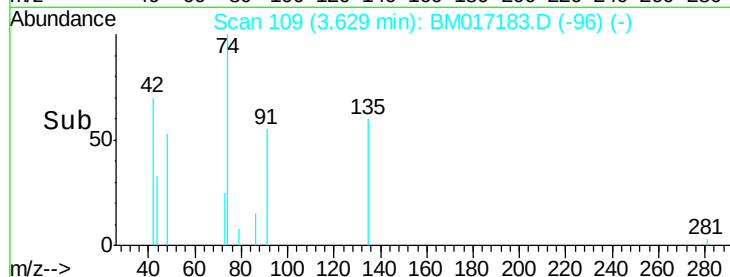
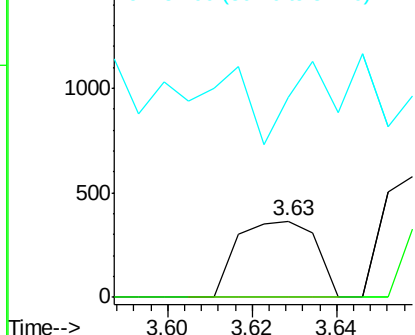
#3  
 Pyridine  
 Concen: 0.035 ng  
 RT: 3.63 min Scan# 109  
 Delta R.T. -0.02 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 79 Resp: 470  
 Ion Ratio Lower Upper  
 79 100  
 52 0.0 46.5 69.7#  
 51 262.3 24.6 37.0#

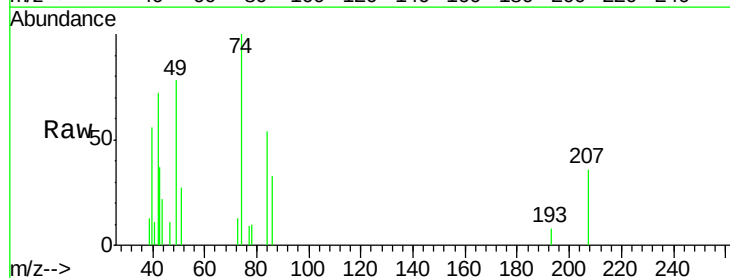


Abundance Ion 79.00 (78.70 to 79.70): BM0  
 Ion 52.00 (51.70 to 52.70): BM0  
 Ion 51.00 (50.70 to 51.70): BM0

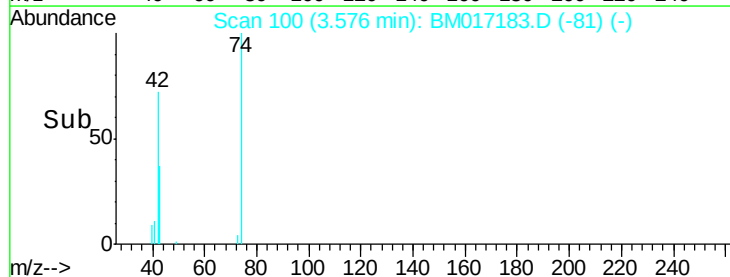
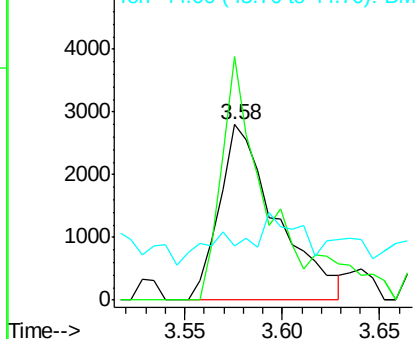


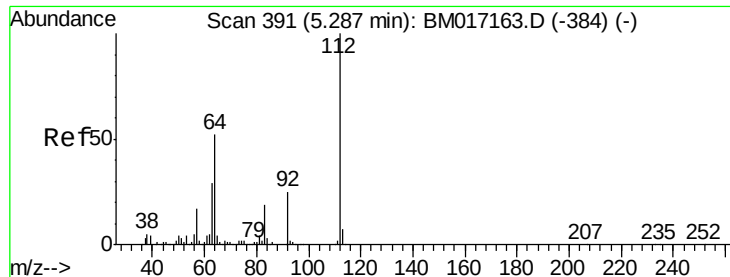
#4  
 n-Nitrosodimethylamine  
 Concen: 1.054 ng  
 RT: 3.58 min Scan# 100  
 Delta R.T. 0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

Tgt Ion: 42 Resp: 5697  
 Ion Ratio Lower Upper  
 42 100  
 74 138.6 114.4 171.6  
 44 30.5 48.6 73.0#



Abundance Ion 42.00 (41.70 to 42.70): BM0  
 Ion 74.00 (73.70 to 74.70): BM0  
 Ion 44.00 (43.70 to 44.70): BM0





#5

2-Fluorophenol

Concen: 139.660 ng

RT: 5.28 min Scan# 390

Delta R.T. -0.00 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

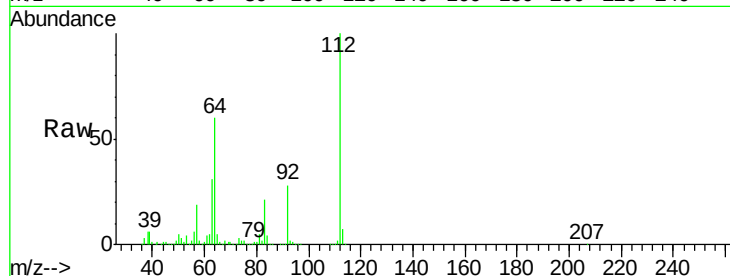
Tgt Ion: 112 Resp: 1599751

Ion Ratio Lower Upper

112 100

64 59.8 41.7 62.5

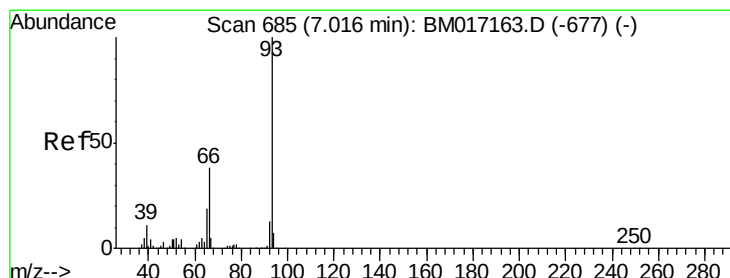
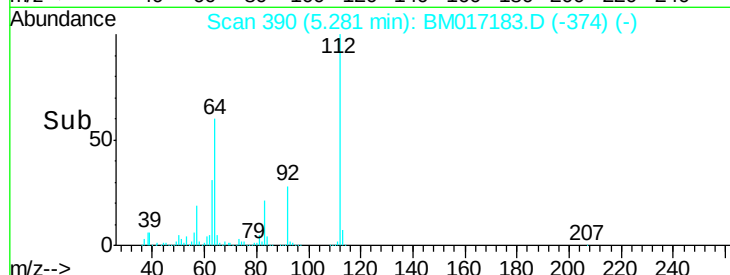
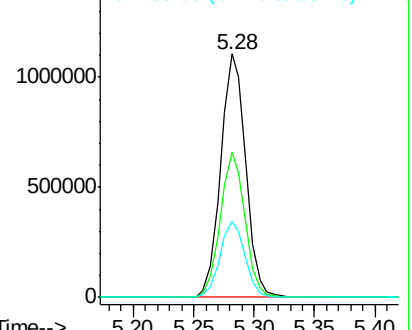
63 31.4 23.0 34.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 0.607 ng

RT: 7.01 min Scan# 684

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

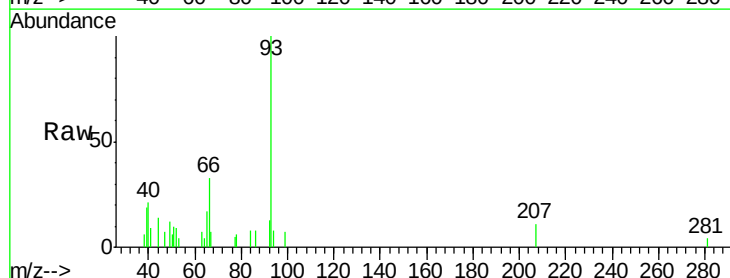
Tgt Ion: 93 Resp: 11847

Ion Ratio Lower Upper

93 100

66 32.9 30.4 45.6

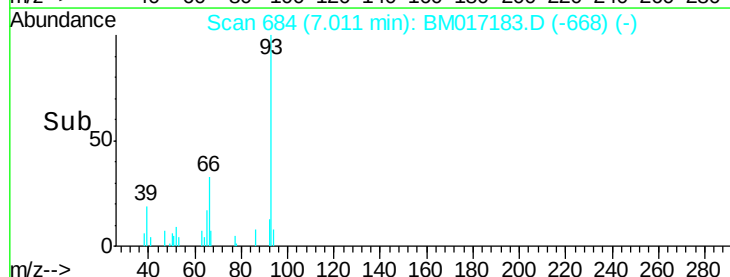
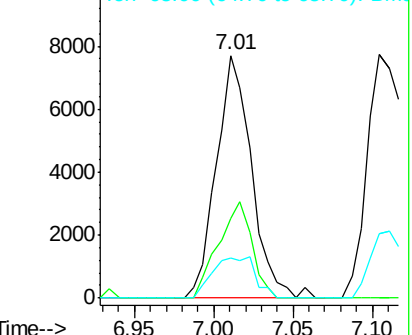
65 16.7 15.3 22.9

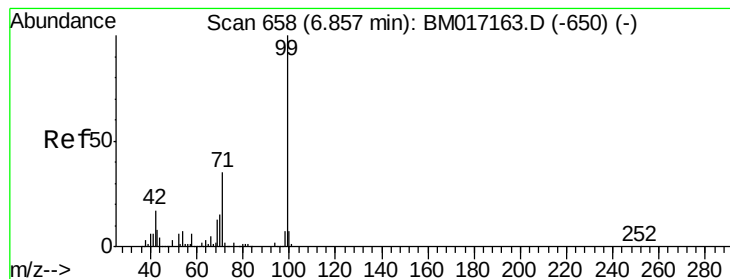


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 133.874 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

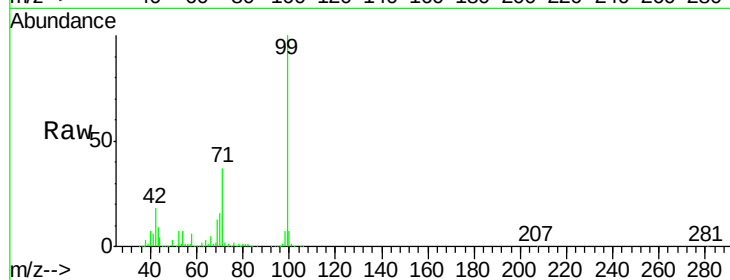
Tgt Ion: 99 Resp: 2088515

Ion Ratio Lower Upper

99 100

42 17.9 13.3 19.9

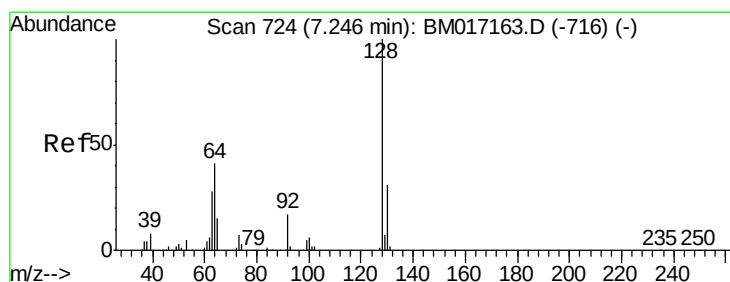
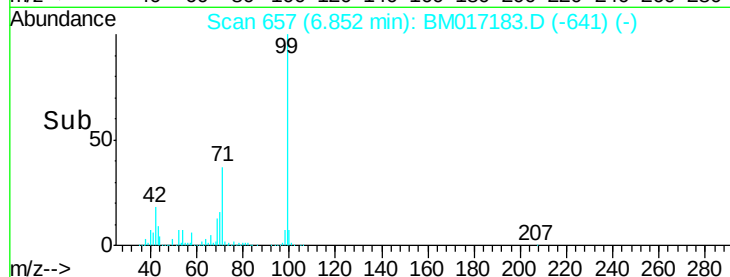
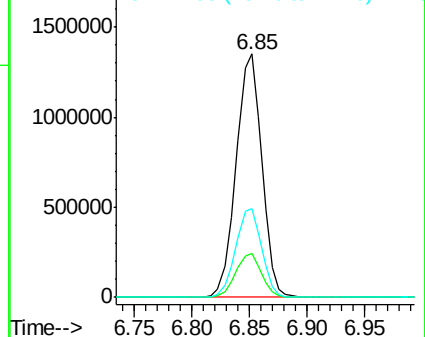
71 36.7 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM017183.D (-650) (-)

Ion 42.00 (41.70 to 42.70): BM017183.D (-650) (-)

Ion 71.00 (70.70 to 71.70): BM017183.D (-650) (-)



#8

2-Chlorophenol

Concen: 1.044 ng

RT: 7.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

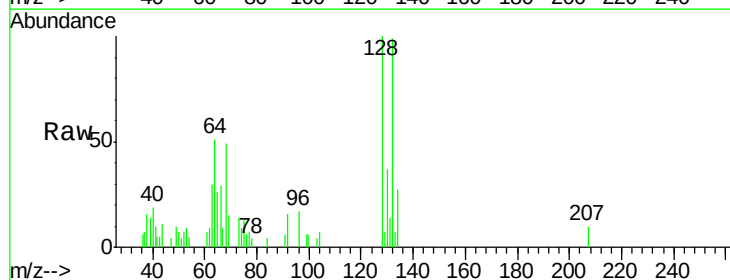
Tgt Ion: 128 Resp: 13840

Ion Ratio Lower Upper

128 100

130 36.9 11.0 51.0

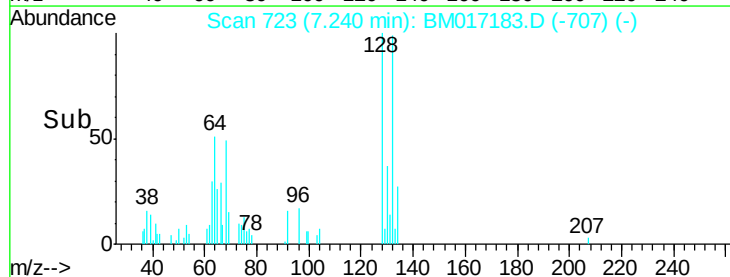
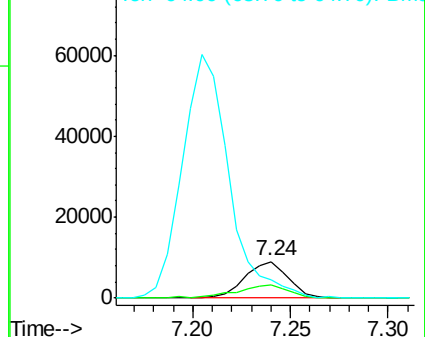
64 50.6 24.1 64.1

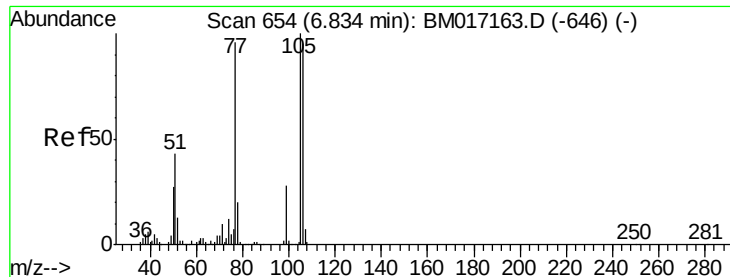


Abundance Ion 128.00 (127.70 to 128.70): BM017183.D (-716) (-)

Ion 130.00 (129.70 to 130.70): BM017183.D (-716) (-)

Ion 64.00 (63.70 to 64.70): BM017183.D (-716) (-)





#9

Benzaldehyde

Concen: 1.428 ng

RT: 6.83 min Scan# 654

Delta R.T. 0.00 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

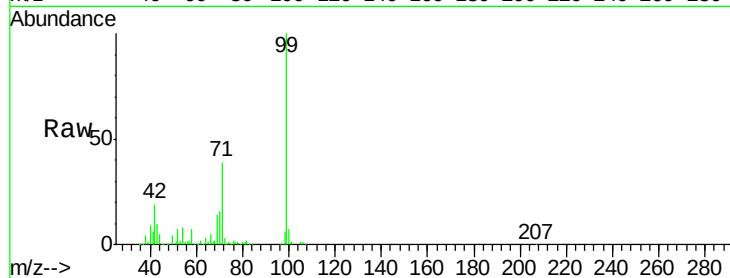
Tgt Ion: 77 Resp: 14207

Ion Ratio Lower Upper

77 100

105 74.5 83.9 123.9#

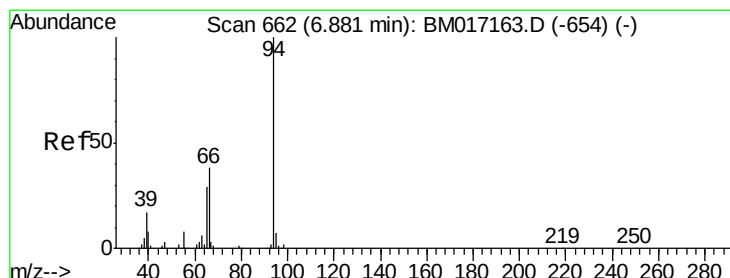
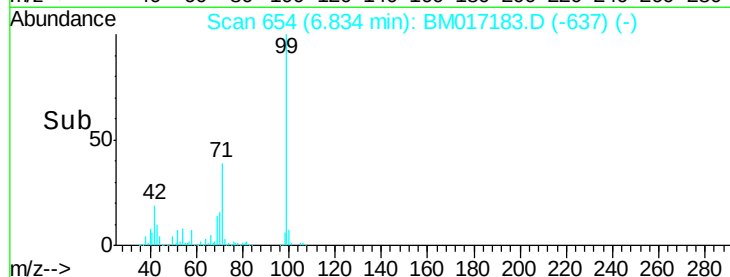
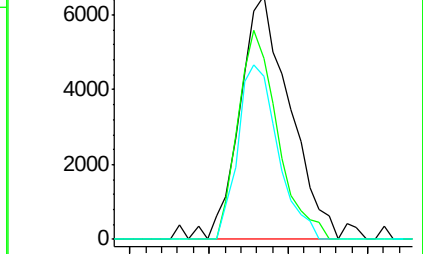
106 66.7 78.2 118.2#



Abundance Ion 77.00 (76.70 to 77.70): BM017183.D (-637) (-)

Ion 105.00 (104.70 to 105.70): BM017183.D (-637) (-)

Ion 106.00 (105.70 to 106.70): BM017183.D (-637) (-)



#10

Phenol

Concen: 1.020 ng

RT: 6.88 min Scan# 661

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

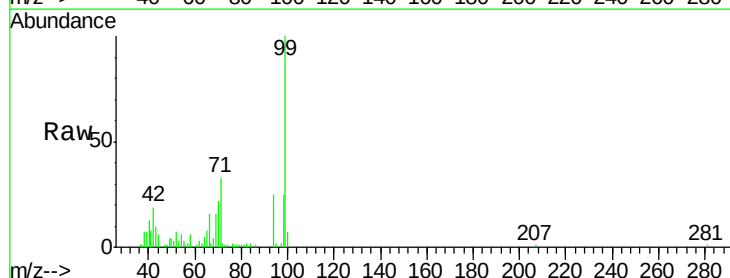
Tgt Ion: 94 Resp: 17118

Ion Ratio Lower Upper

94 100

65 32.0 9.4 49.4

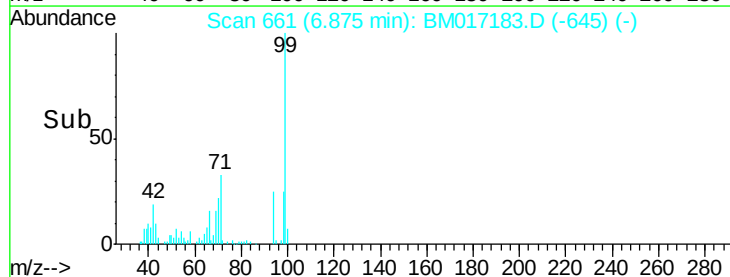
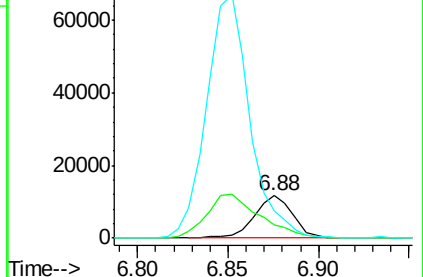
66 64.2 19.0 59.0#



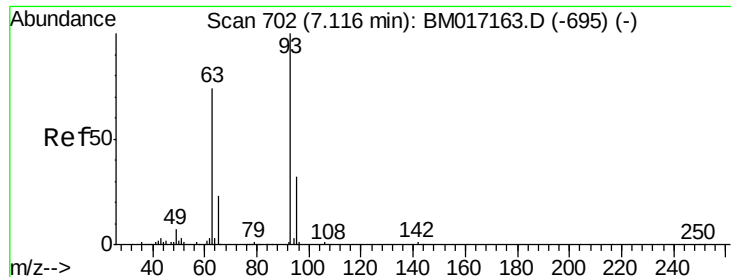
Abundance Ion 94.00 (93.70 to 94.70): BM017183.D (-645) (-)

Ion 65.00 (64.70 to 65.70): BM017183.D (-645) (-)

Ion 66.00 (65.70 to 66.70): BM017183.D (-645) (-)



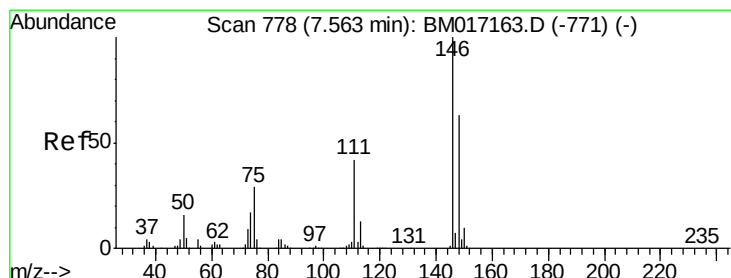
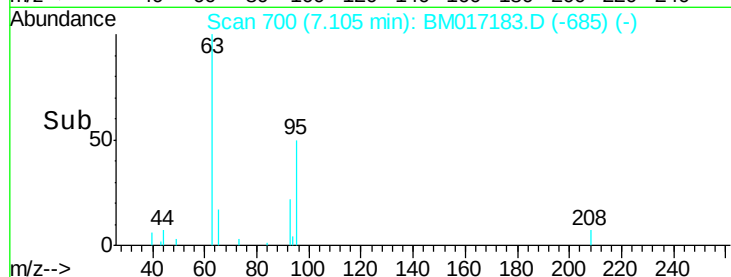
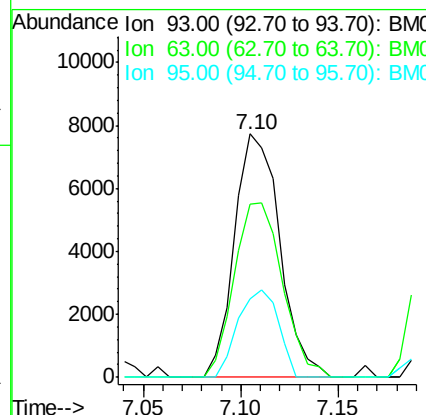
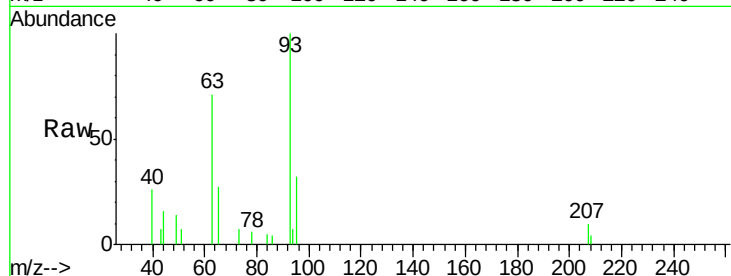




#11  
bis(2-Chloroethyl)ether  
Concen: 0.928 ng  
RT: 7.10 min Scan# 700  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

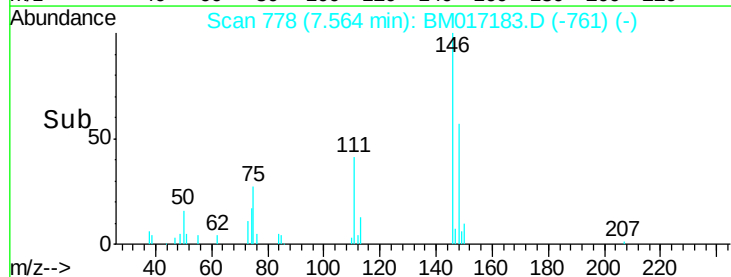
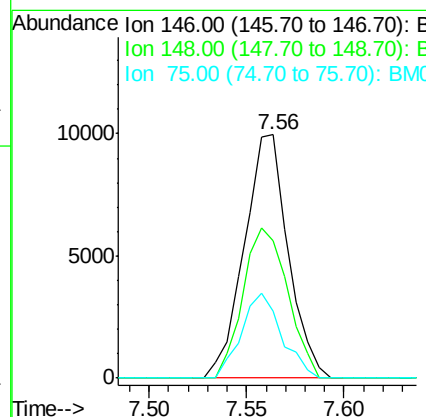
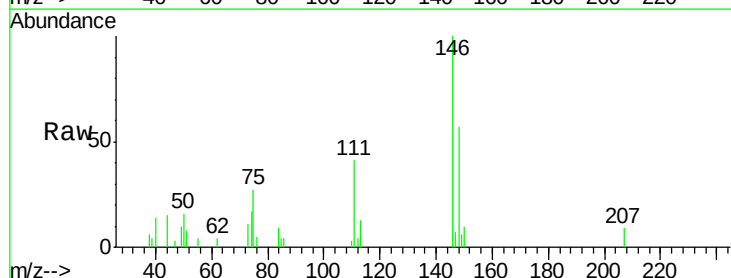
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

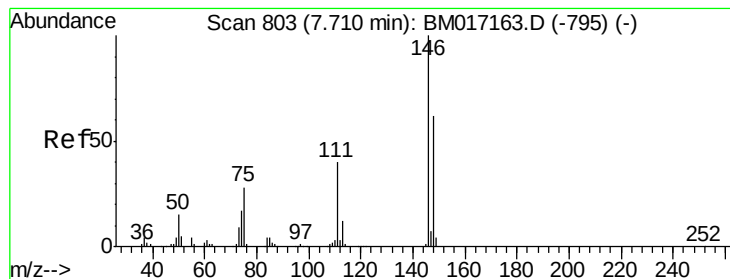
Tgt Ion: 93 Resp: 12425  
Ion Ratio Lower Upper  
93 100  
63 70.9 54.0 94.0  
95 32.0 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 1.006 ng  
RT: 7.56 min Scan# 778  
Delta R.T. 0.00 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Tgt Ion: 146 Resp: 15540  
Ion Ratio Lower Upper  
146 100  
148 56.6 50.2 75.4  
75 27.4 23.3 34.9





#13

1,4-Dichlorobenzene

Concen: 0.997 ng

RT: 7.70 min Scan# 802

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

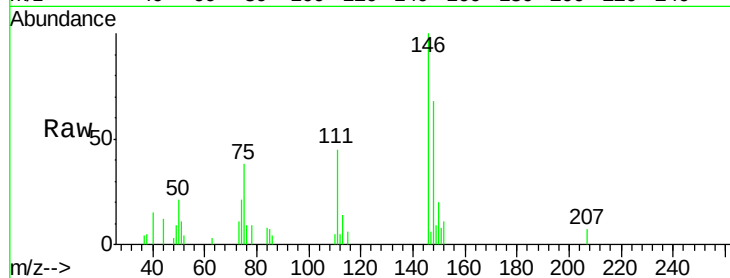
Tgt Ion:146 Resp: 15731

Ion Ratio Lower Upper

146 100

148 67.7 49.8 74.6

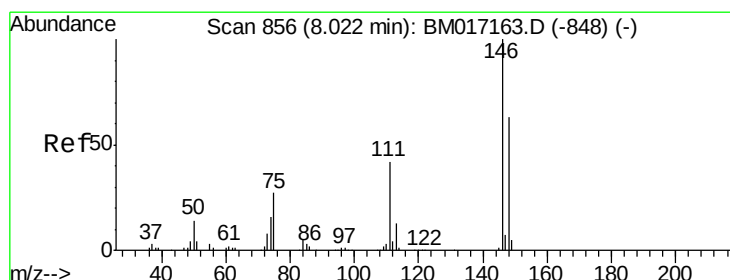
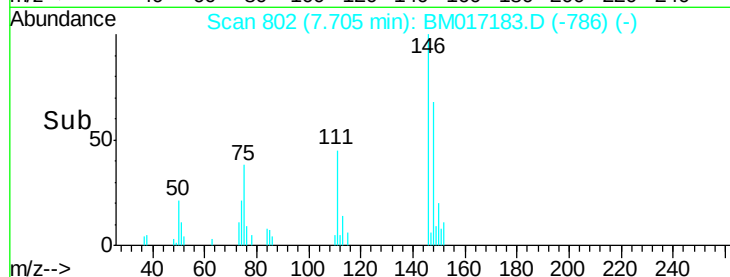
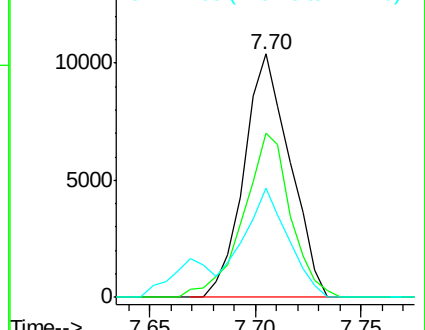
111 45.0 32.1 48.1



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: 0.975 ng

RT: 8.02 min Scan# 855

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

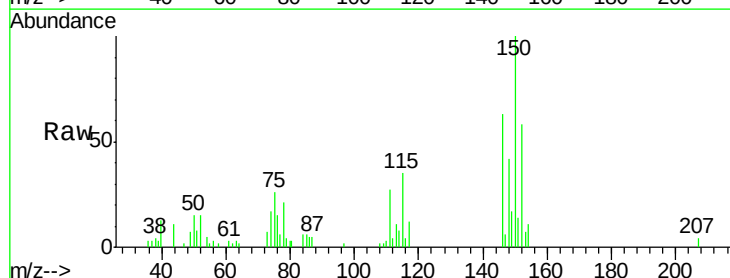
Tgt Ion:146 Resp: 14828

Ion Ratio Lower Upper

146 100

148 66.8 50.8 76.2

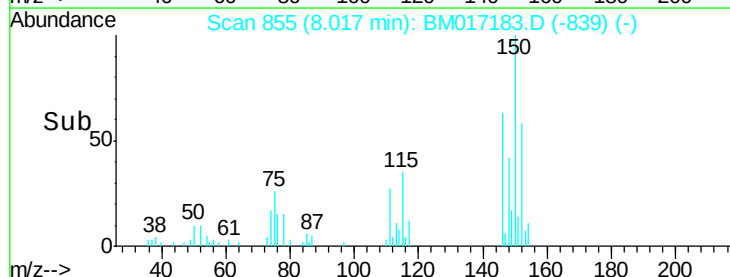
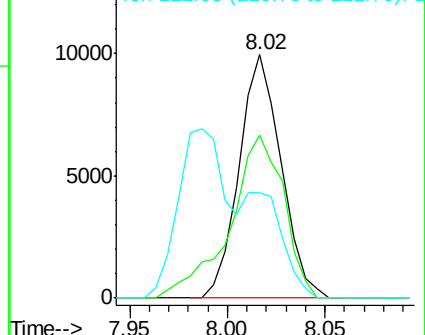
111 43.2 33.8 50.6

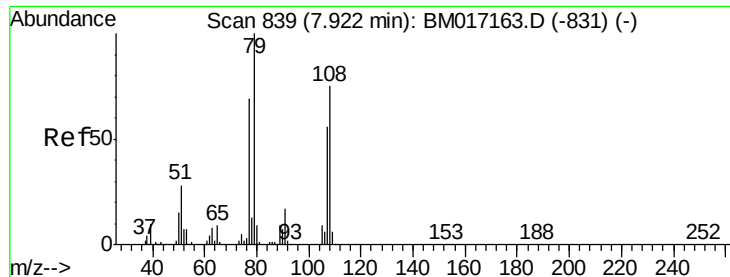


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 0.878 ng

RT: 7.92 min Scan# 839

Delta R.T. 0.00 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

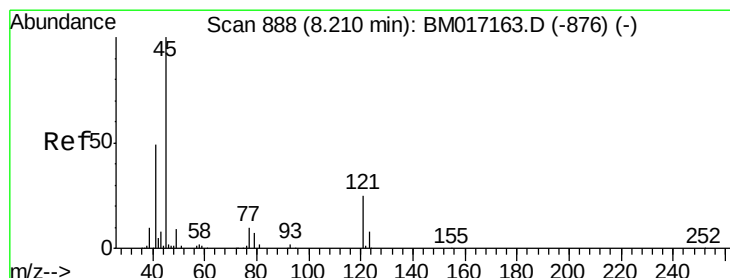
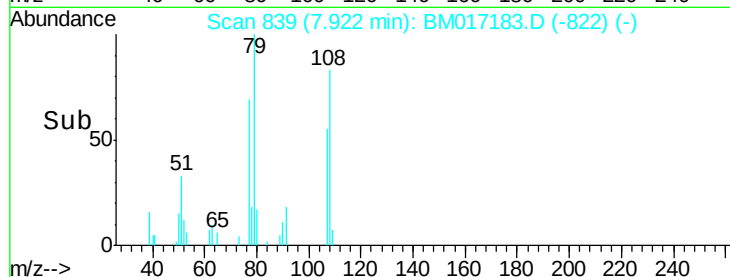
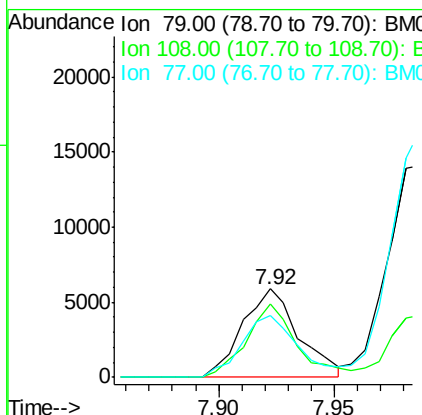
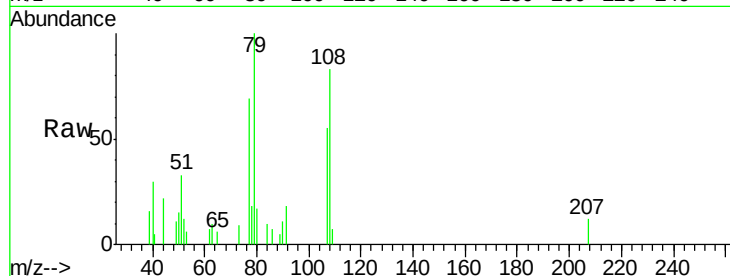
Tgt Ion: 79 Resp: 10015

Ion Ratio Lower Upper

79 100

108 83.0 60.3 90.5

77 69.3 54.8 82.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.892 ng

RT: 8.20 min Scan# 887

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

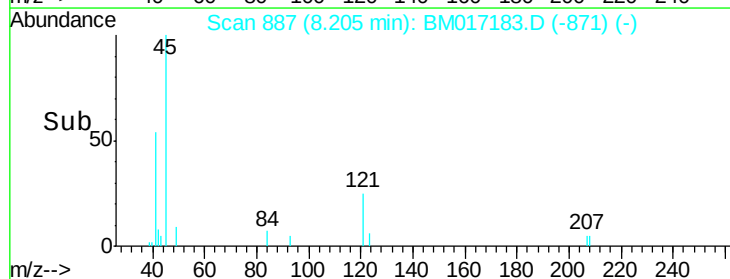
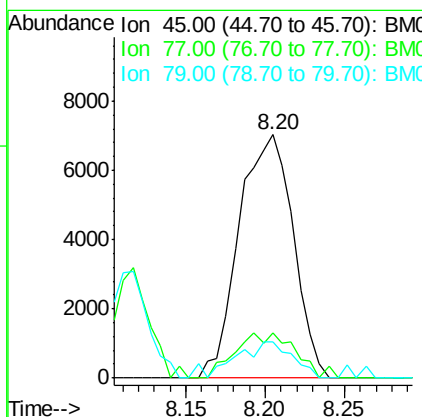
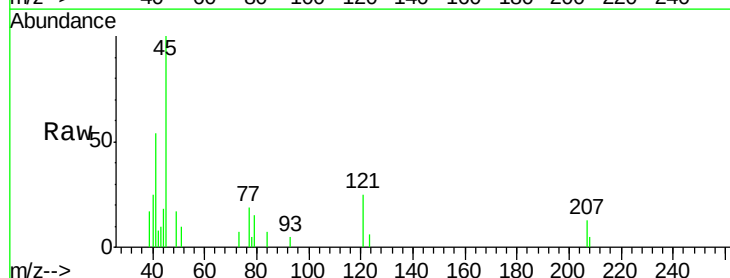
Tgt Ion: 45 Resp: 16672

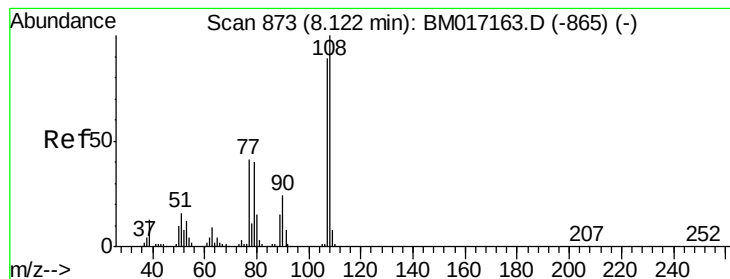
Ion Ratio Lower Upper

45 100

77 18.6 0.0 35.5

79 15.0 0.0 32.1





#17

2-Methylphenol

Concen: 0.908 ng

RT: 8.12 min Scan# 872

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:107 Resp: 9787

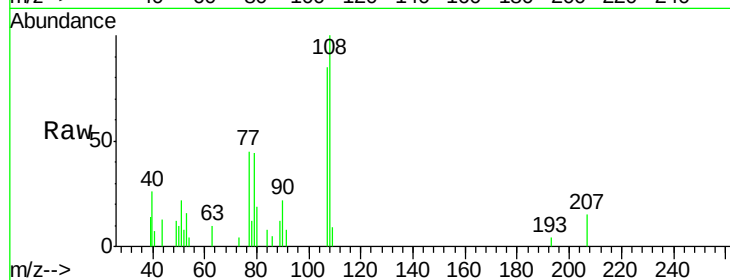
Ion Ratio Lower Upper

107 100

108 117.9 90.3 135.5

77 53.5 37.0 55.4

79 51.8 35.8 53.6

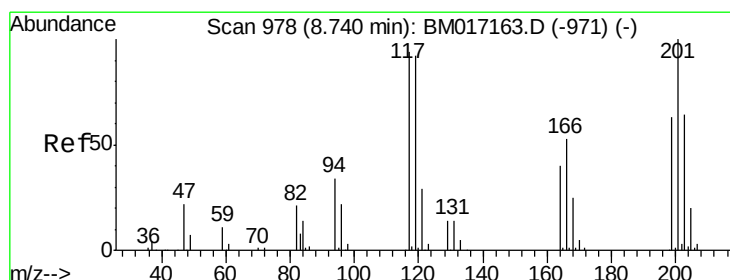
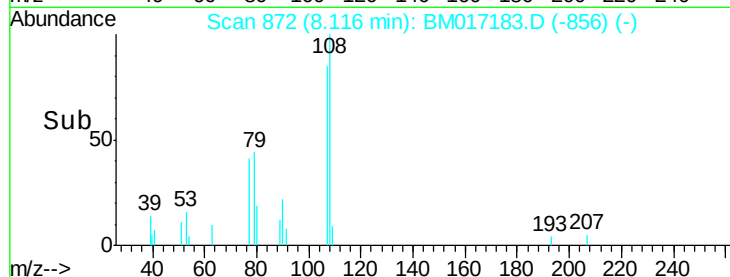
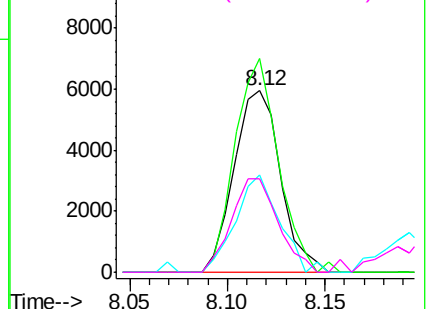


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#18

Hexachloroethane

Concen: 0.987 ng

RT: 8.73 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

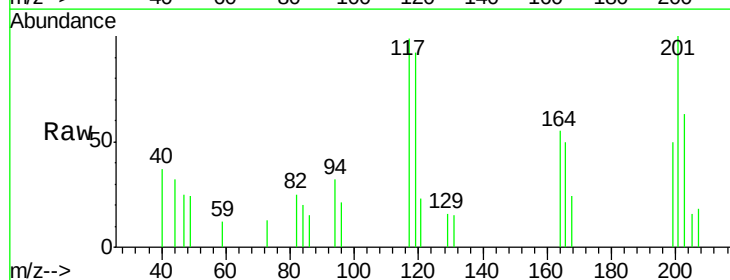
Tgt Ion:117 Resp: 5333

Ion Ratio Lower Upper

117 100

119 93.4 78.2 117.2

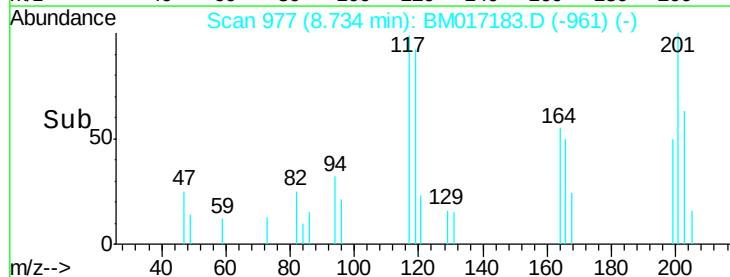
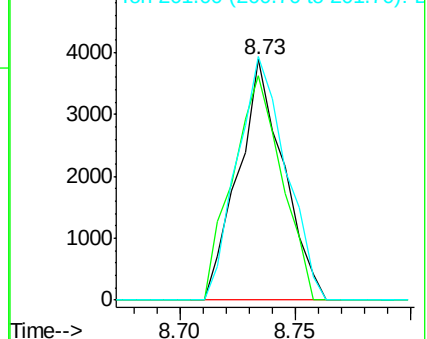
201 101.2 85.3 127.9

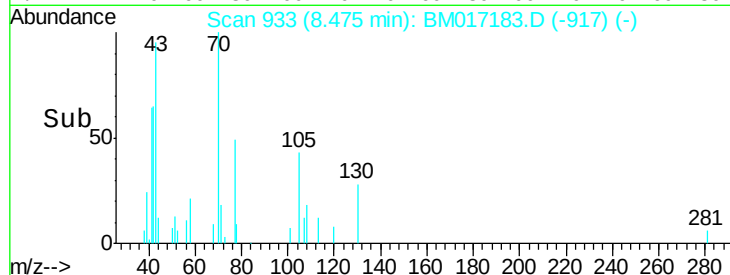
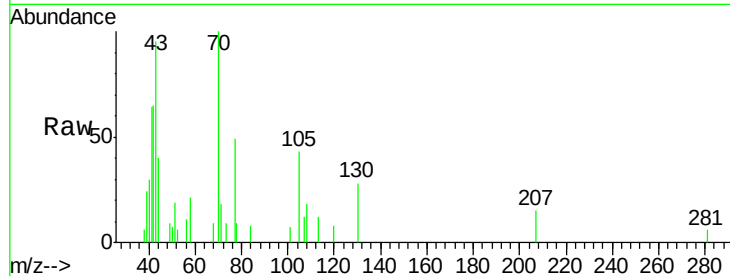
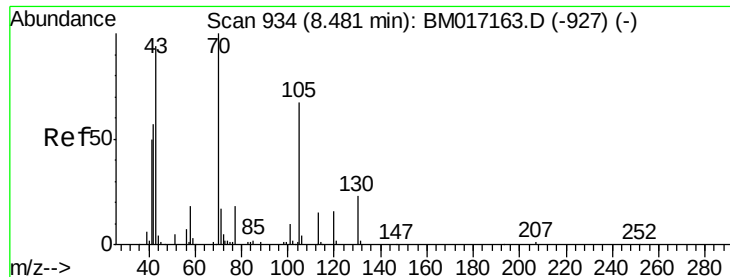


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

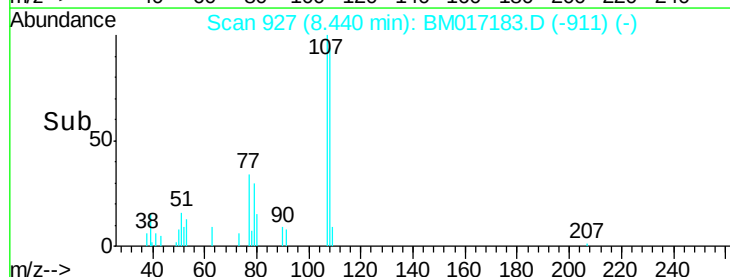
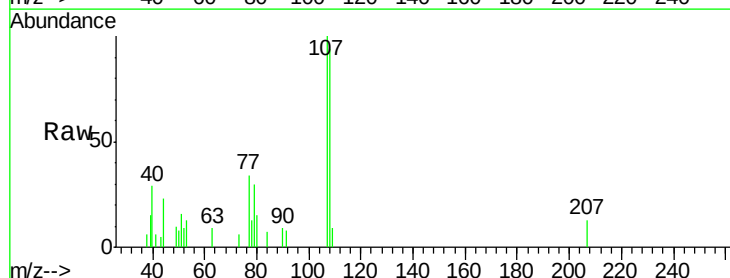
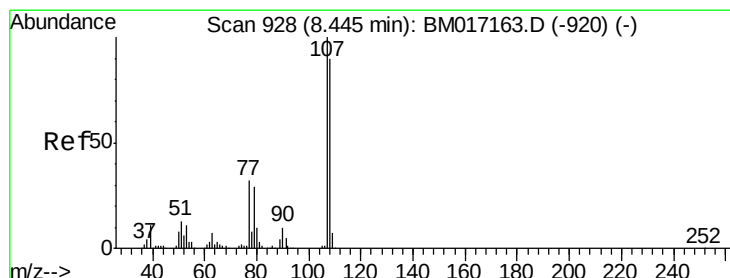
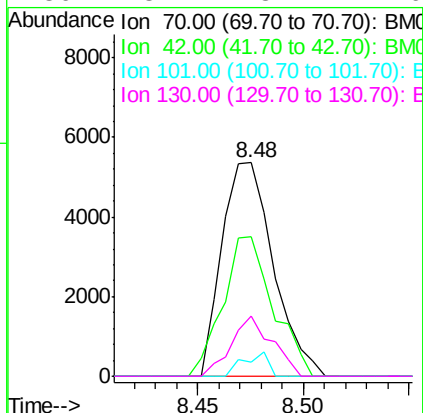




#19  
n-Nitroso-di-n-propylamine  
Concen: 0.881 ng  
RT: 8.48 min Scan# 933  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

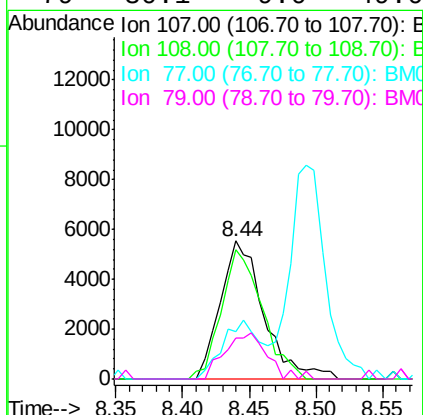
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

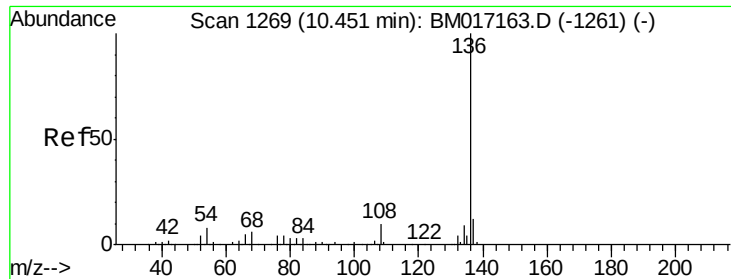
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 9053  |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 65.1  | 46.1  | 69.1  |
| 101      | 6.7   | 8.2   | 12.4# |
| 130      | 28.1  | 18.4  | 27.6# |



#20  
3+4-Methylphenols  
Concen: 0.855 ng  
RT: 8.44 min Scan# 927  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 12605 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 93.8  | 69.9  | 109.9 |
| 77       | 34.3  | 12.2  | 52.2  |
| 79       | 30.1  | 9.0   | 49.0  |

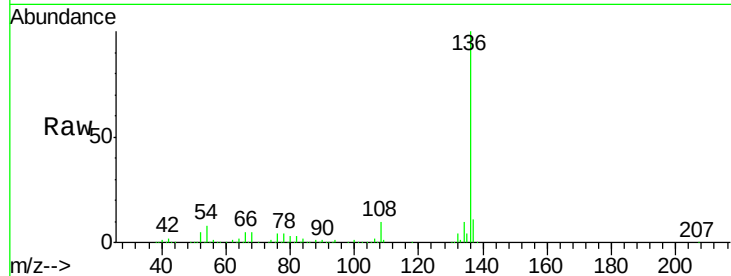




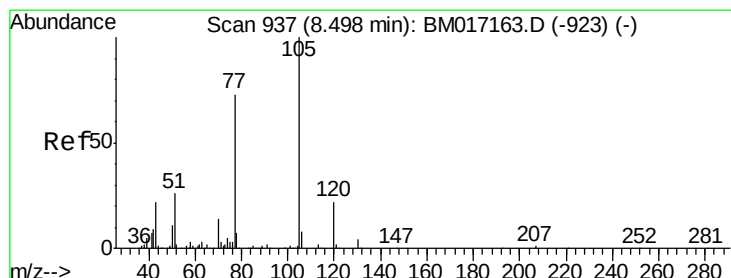
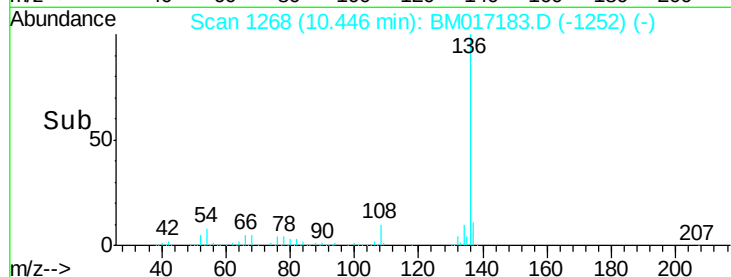
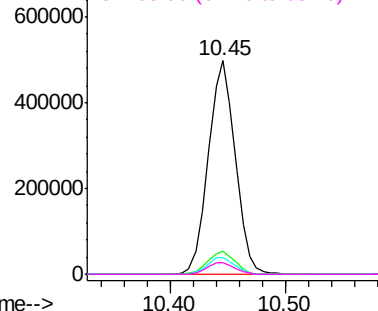
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.45 min Scan# 1268  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 804139 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.5    | 9.2 13.8     |
| 54 7.9      | 6.7 10.1     |
| 68 5.2      | 4.7 7.1      |

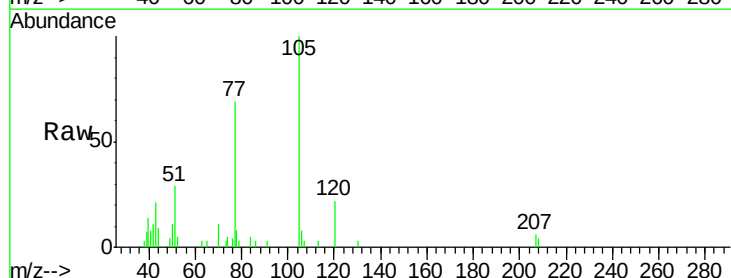


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

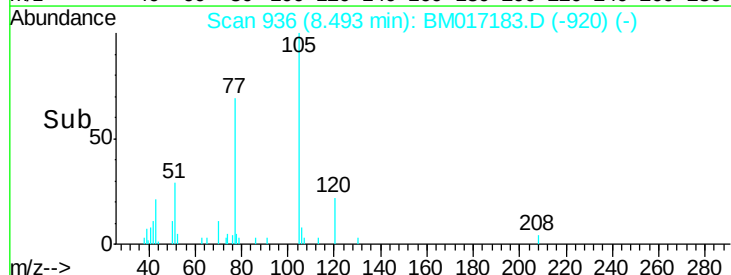
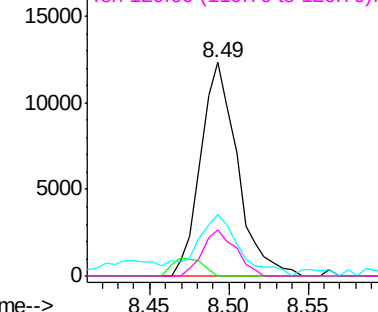


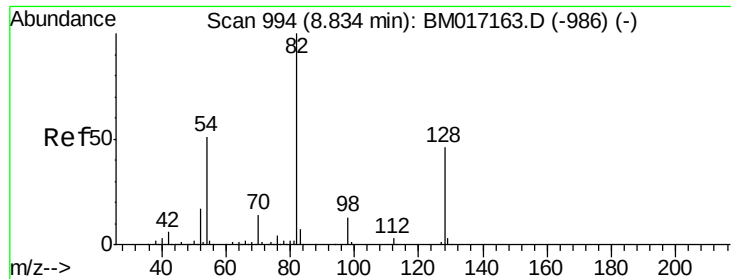
#22  
Acetophenone  
Concen: 0.978 ng  
RT: 8.49 min Scan# 936  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

|             |             |
|-------------|-------------|
| Tgt Ion:105 | Resp: 19939 |
| Ion Ratio   | Lower Upper |
| 105 100     |             |
| 71 0.0      | 2.0 3.0#    |
| 51 28.8     | 20.6 31.0   |
| 120 21.8    | 17.5 26.3   |



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

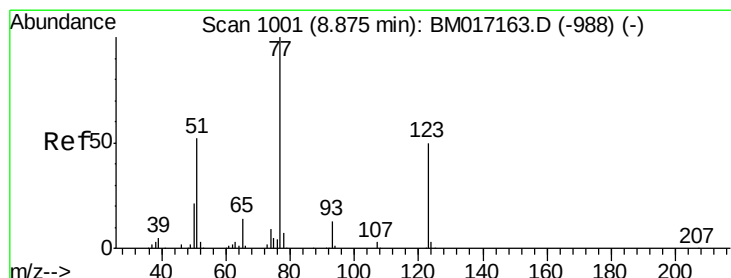
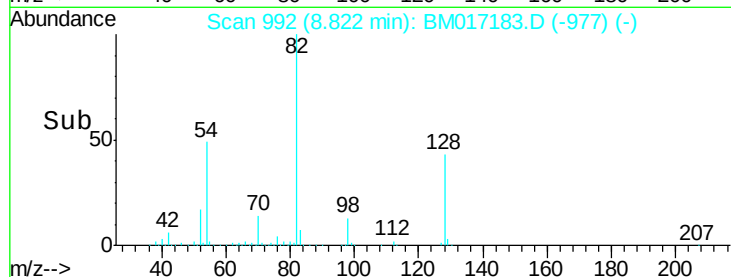
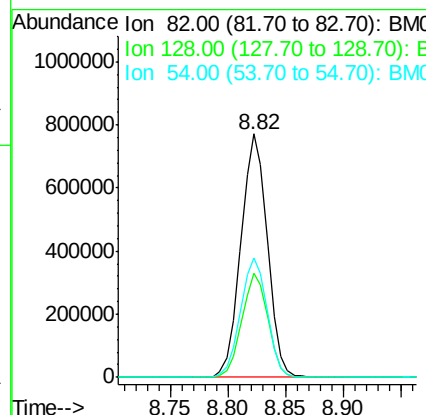
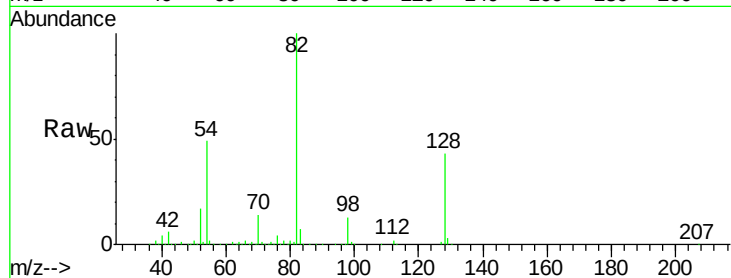




#23  
 Nitrobenzene-d5  
 Concen: 88.959 ng  
 RT: 8.82 min Scan# 992  
 Delta R.T. -0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

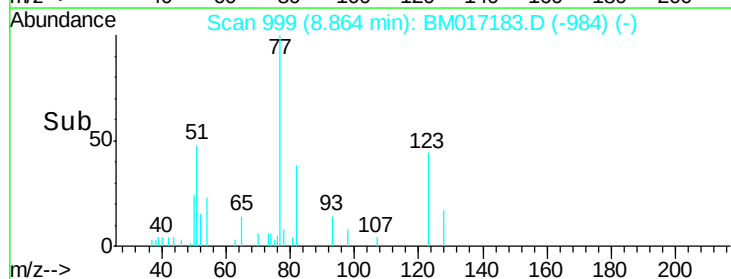
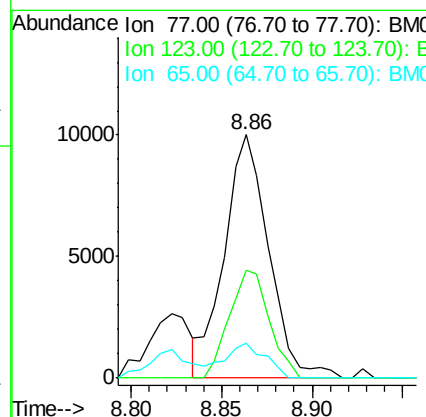
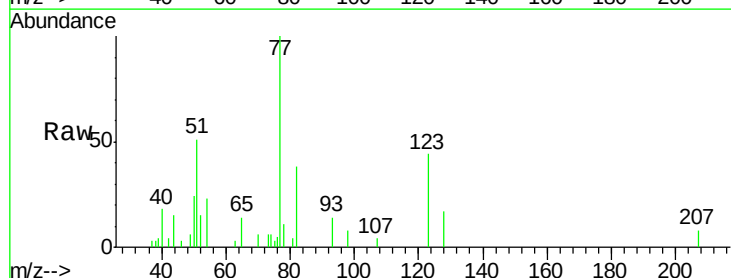
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2018

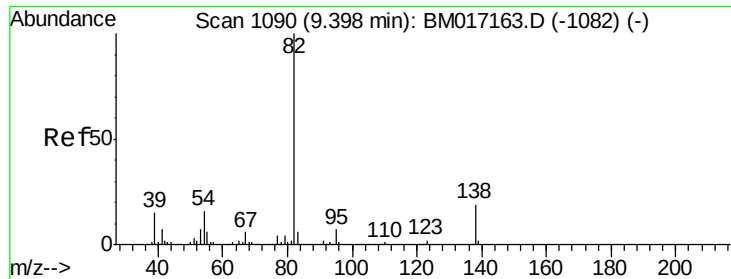
Tgt Ion: 82 Resp: 1223133  
 Ion Ratio Lower Upper  
 82 100  
 128 42.6 37.0 55.6  
 54 49.0 40.7 61.1



#24  
 Nitrobenzene  
 Concen: 1.174 ng  
 RT: 8.86 min Scan# 999  
 Delta R.T. -0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

Tgt Ion: 77 Resp: 17075  
 Ion Ratio Lower Upper  
 77 100  
 123 44.1 40.2 60.4  
 65 14.4 11.4 17.0

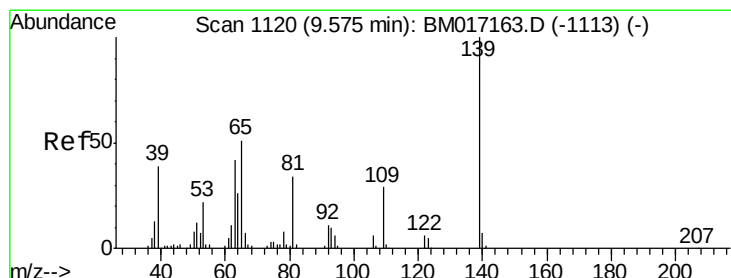
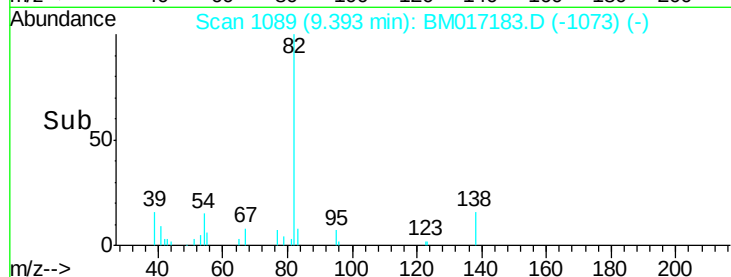
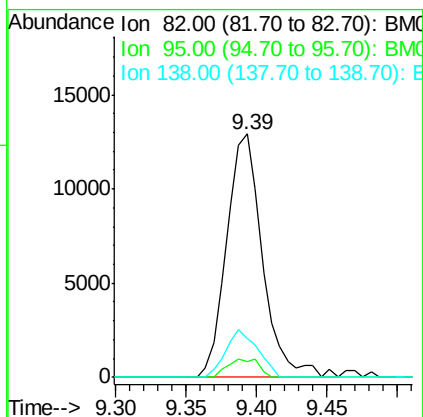
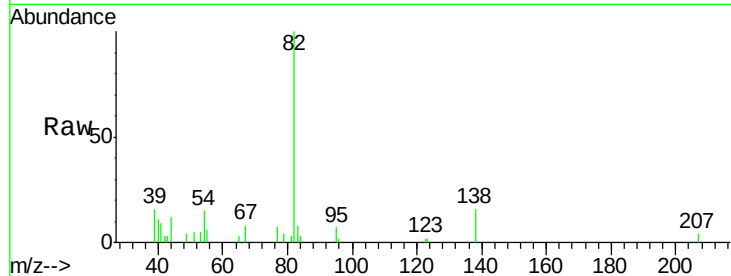




#25  
Isophorone  
Concen: 1.008 ng  
RT: 9.39 min Scan# 1089  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

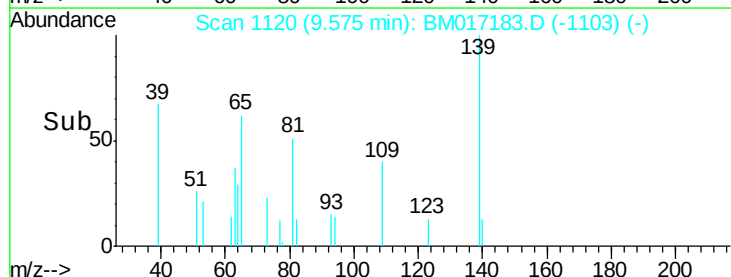
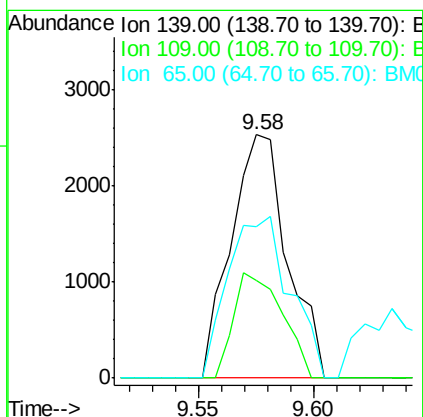
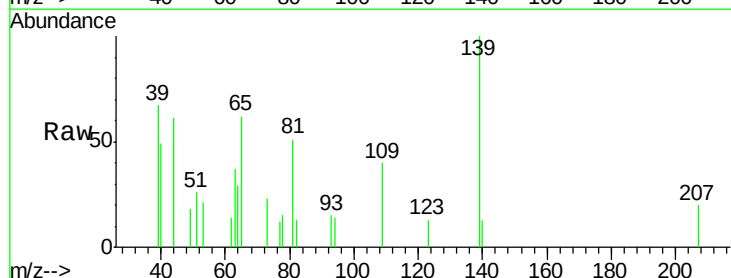
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 82 Resp: 22884  
Ion Ratio Lower Upper  
82 100  
95 6.7 6.0 9.0  
138 15.9 15.4 23.2

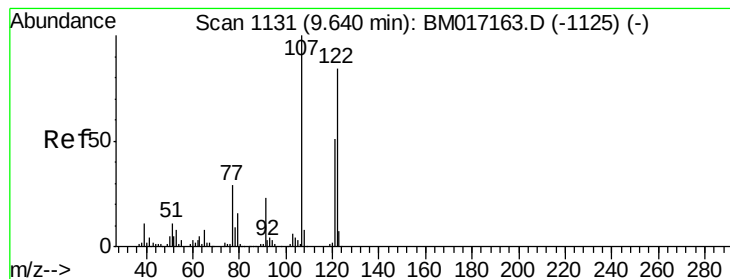


#26  
2-Nitrophenol  
Concen: 6.260 ng  
RT: 9.58 min Scan# 1120  
Delta R.T. 0.00 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Tgt Ion: 139 Resp: 4303  
Ion Ratio Lower Upper  
139 100  
109 39.9 23.2 34.8#  
65 62.2 40.6 61.0#







#27

2,4-Dimethylphenol

Concen: 0.969 ng

RT: 9.63 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

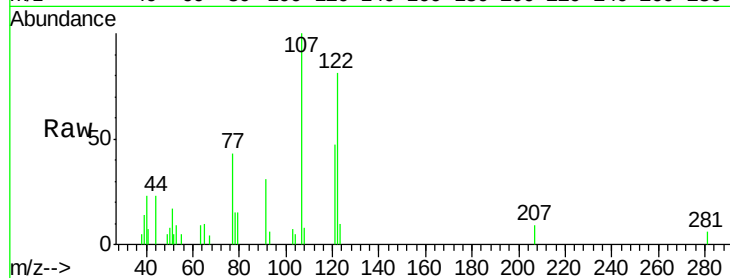
Tgt Ion:122 Resp: 9731

Ion Ratio Lower Upper

122 100

107 124.1 95.0 142.6

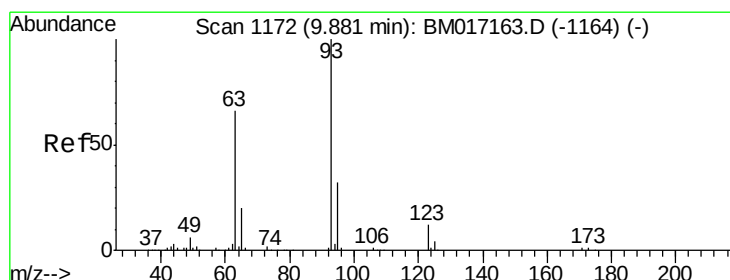
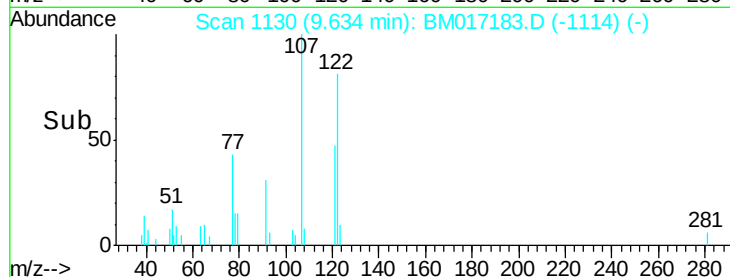
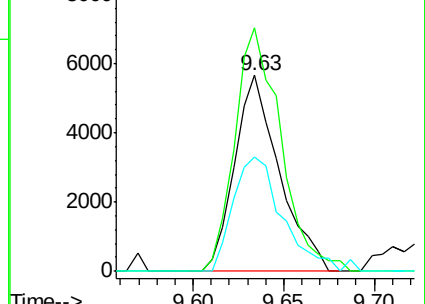
121 58.4 48.2 72.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 0.980 ng

RT: 9.88 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

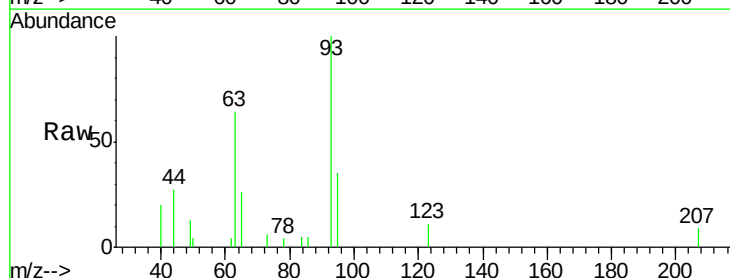
Tgt Ion: 93 Resp: 15664

Ion Ratio Lower Upper

93 100

95 34.8 25.7 38.5

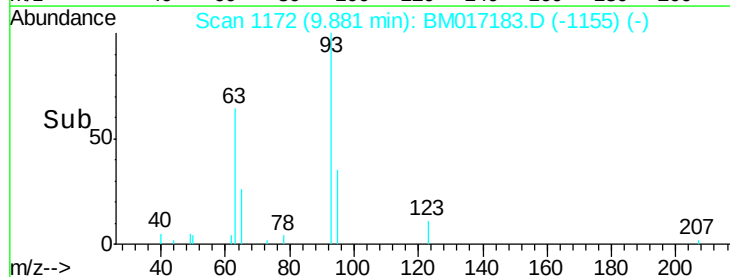
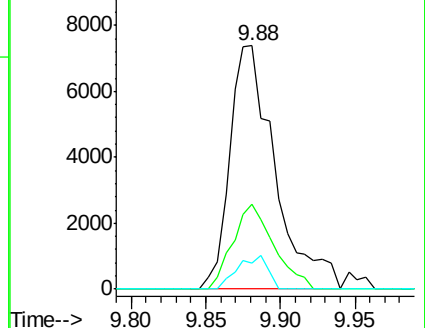
123 10.7 9.4 14.0

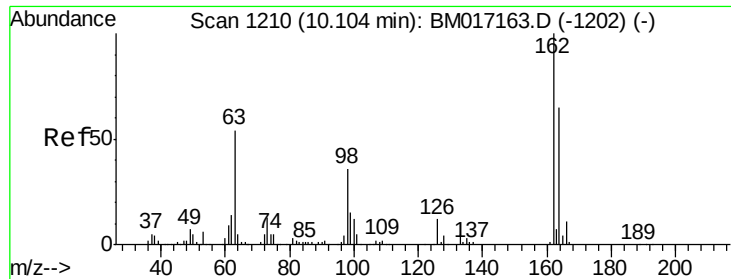


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

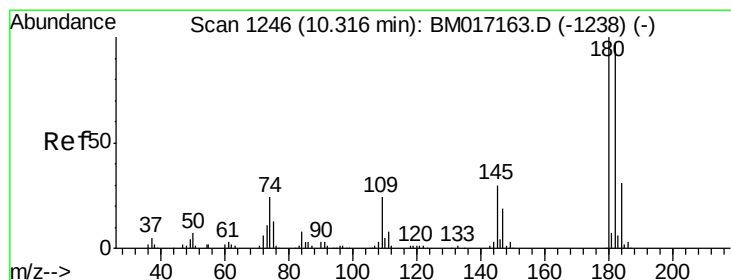
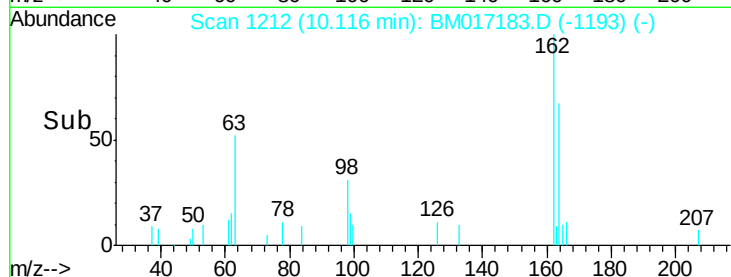
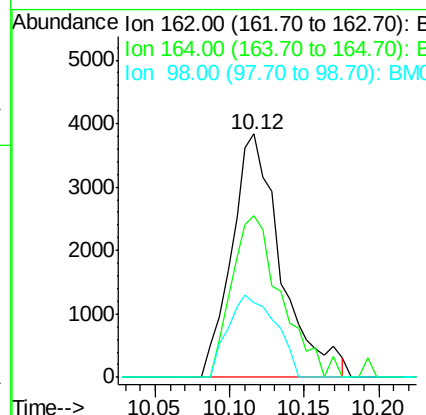
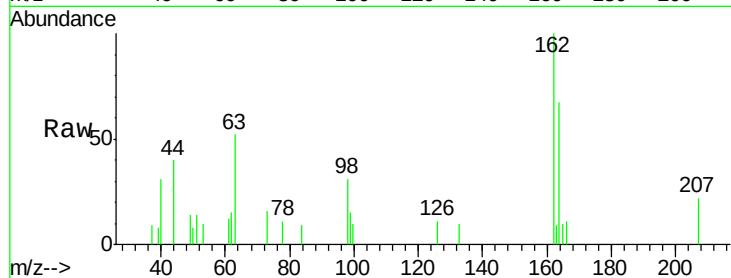




#29  
 2,4-Dichlorophenol  
 Concen: 0.756 ng  
 RT: 10.12 min Scan# 1212  
 Delta R.T. 0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

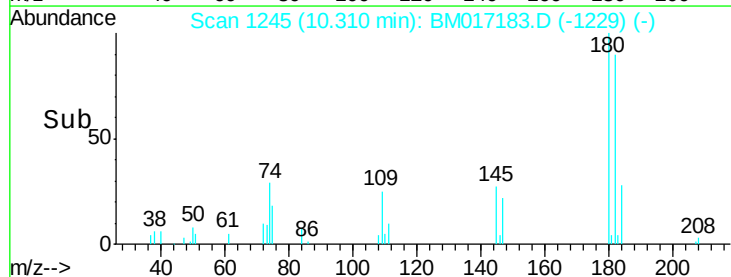
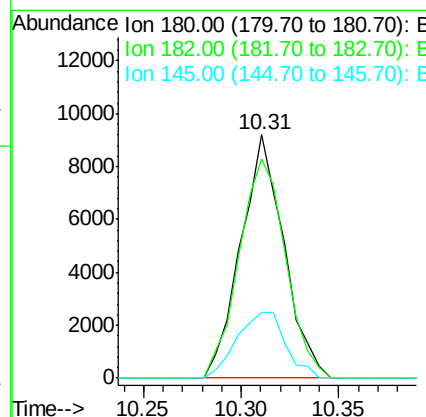
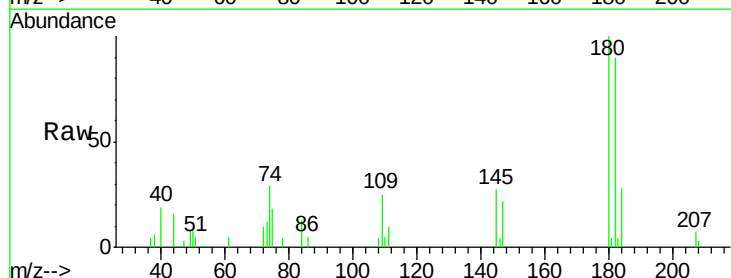
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2018

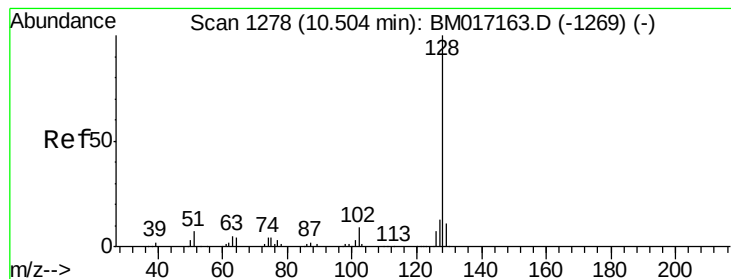
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 66.6  | 44.9  | 84.9  |
| 98      | 30.8  | 15.8  | 55.8  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 1.008 ng  
 RT: 10.31 min Scan# 1245  
 Delta R.T. -0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 90.1  | 77.5  | 116.3 |
| 145     | 27.2  | 24.0  | 36.0  |





#31

Naphthalene

Concen: 1.039 ng

RT: 10.50 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

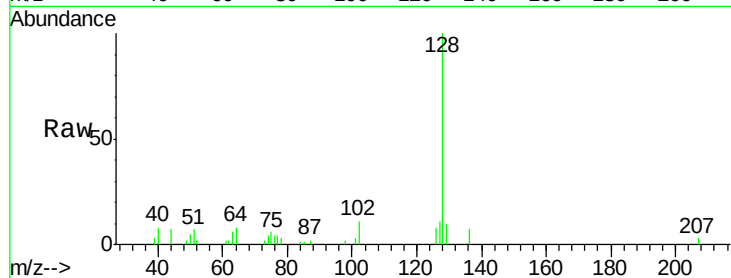
Tgt Ion:128 Resp: 40934

Ion Ratio Lower Upper

128 100

129 10.4 8.5 12.7

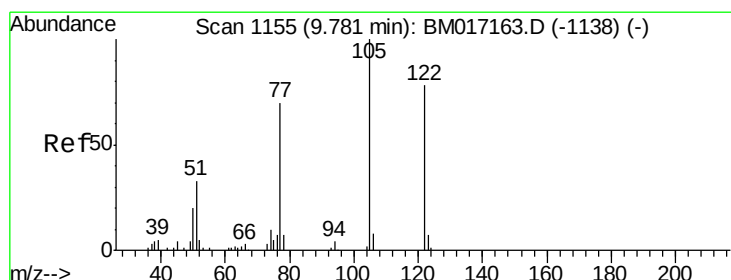
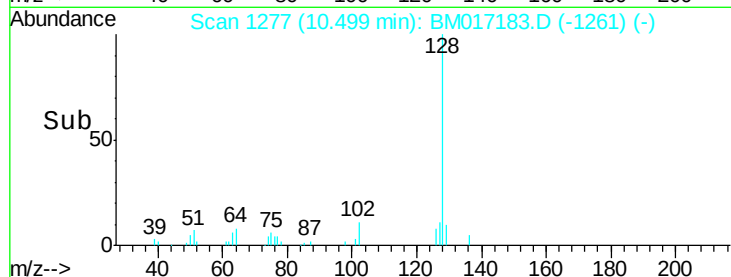
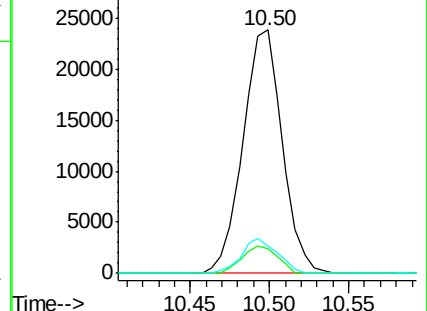
127 11.2 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 0.020 ng

RT: 9.77 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

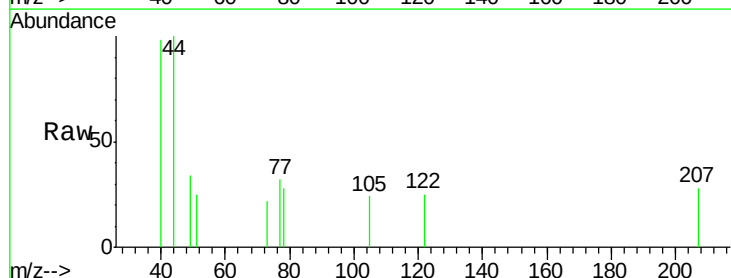
Tgt Ion:122 Resp: 150

Ion Ratio Lower Upper

122 100

105 94.6 102.0 142.0#

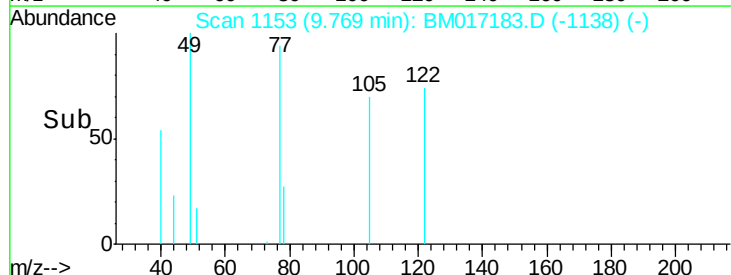
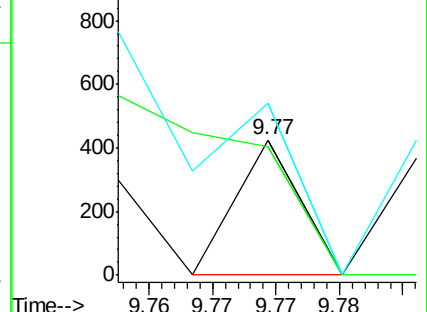
77 127.1 67.7 107.7#

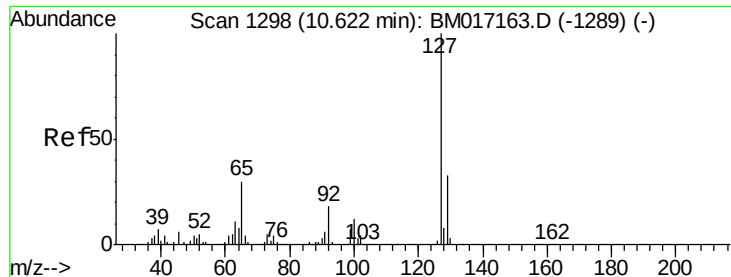


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

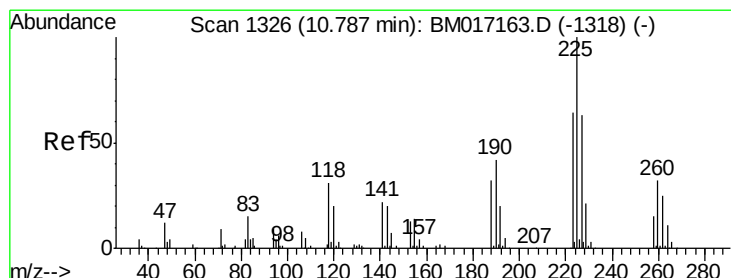
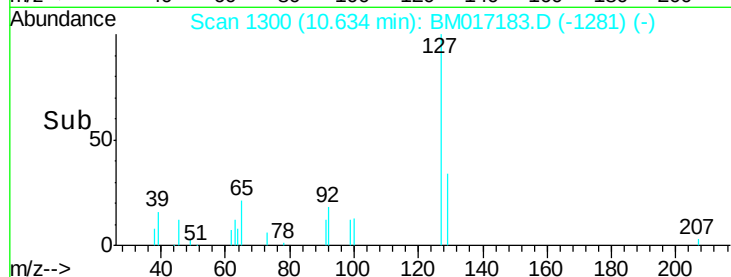
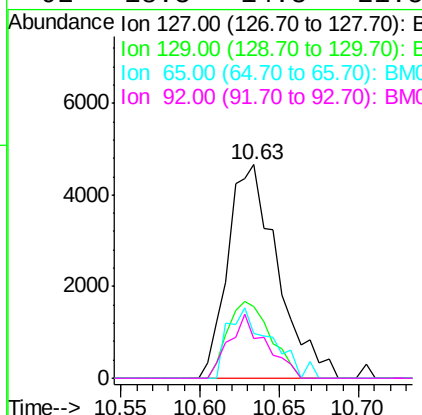
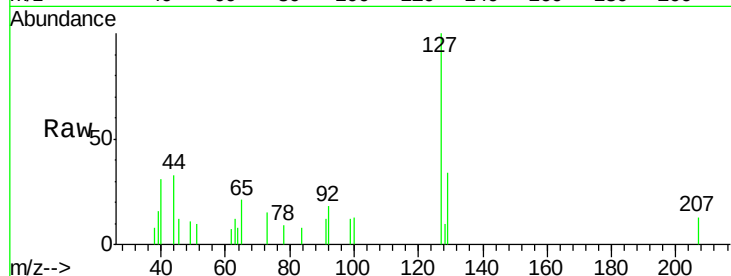




#33  
4-Chloroaniline  
Concen: 0.598 ng  
RT: 10.63 min Scan# 1300  
Delta R.T. 0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

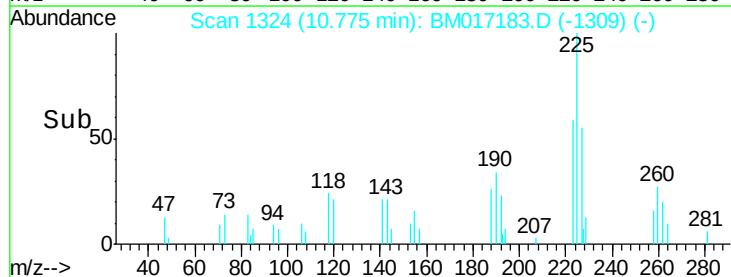
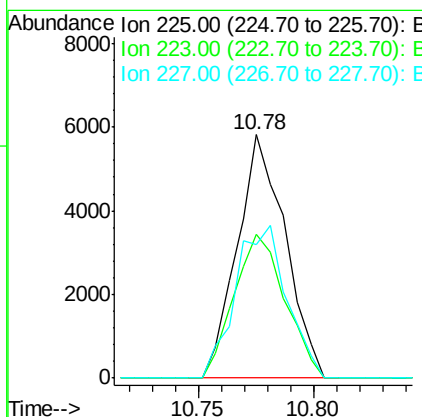
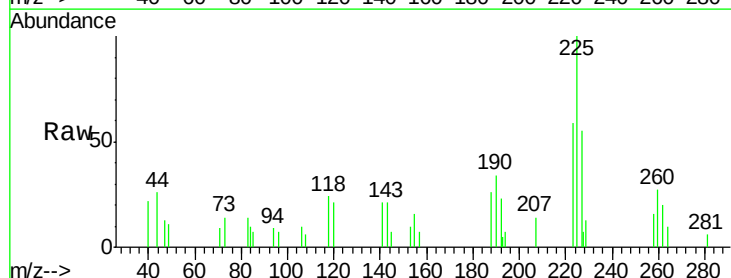
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

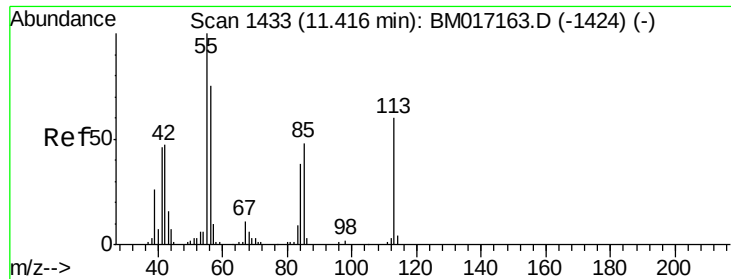
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 10181 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 33.6  | 26.2  | 39.4  |
| 65       | 21.2  | 23.7  | 35.5  |
| 92       | 18.3  | 14.3  | 21.5  |



#34  
Hexachlorobutadiene  
Concen: 0.950 ng  
RT: 10.78 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 8413  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 59.3  | 51.0  | 76.6  |
| 227      | 55.1  | 50.8  | 76.2  |





#35

Caprolactam

Concen: 0.282 ng

RT: 11.42 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

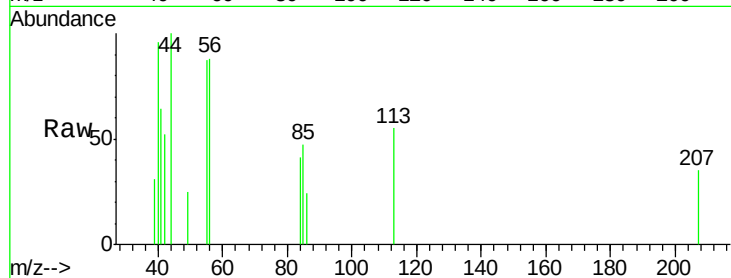
Tgt Ion:113 Resp: 1200

Ion Ratio Lower Upper

113 100

55 157.5 147.0 187.0

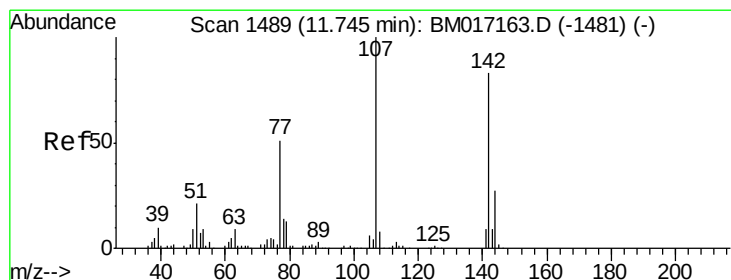
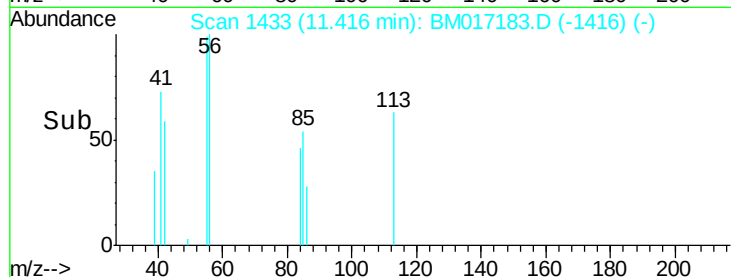
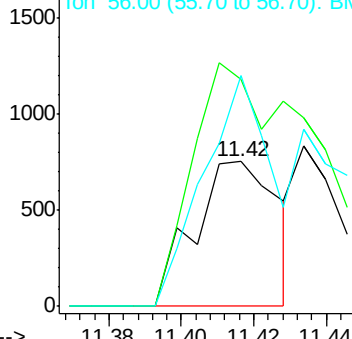
56 159.7 104.5 144.5#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 0.733 ng

RT: 11.75 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

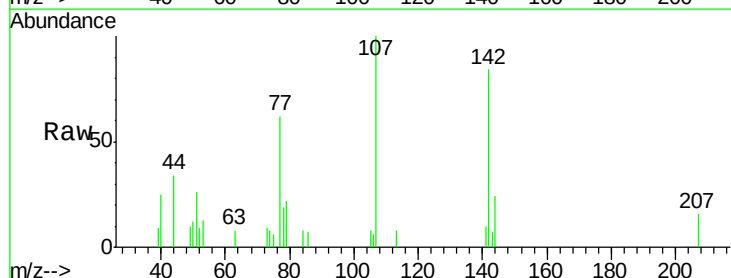
Tgt Ion:107 Resp: 9631

Ion Ratio Lower Upper

107 100

144 23.7 21.6 32.4

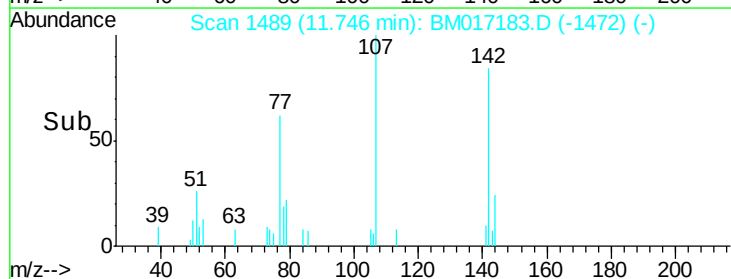
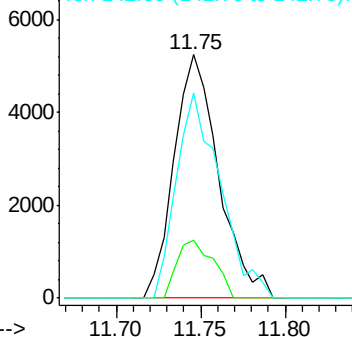
142 84.2 66.0 99.0

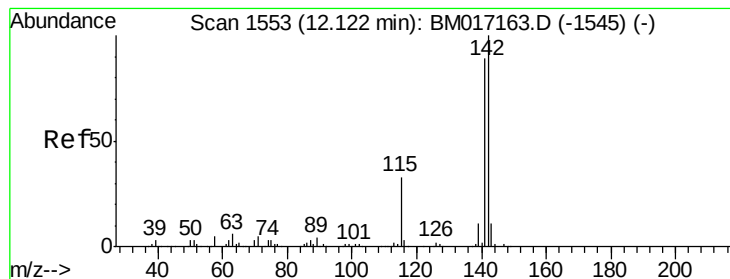


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 1.104 ng

RT: 12.12 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

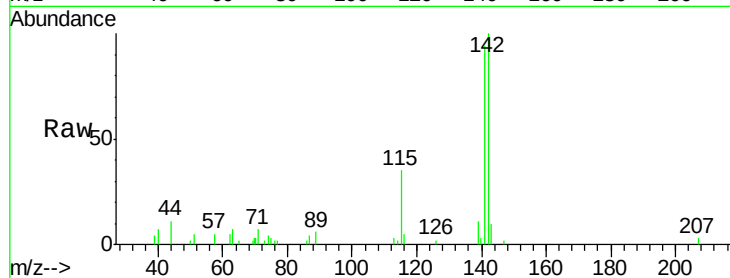
Tgt Ion:142 Resp: 29784

Ion Ratio Lower Upper

142 100

141 93.8 70.9 106.3

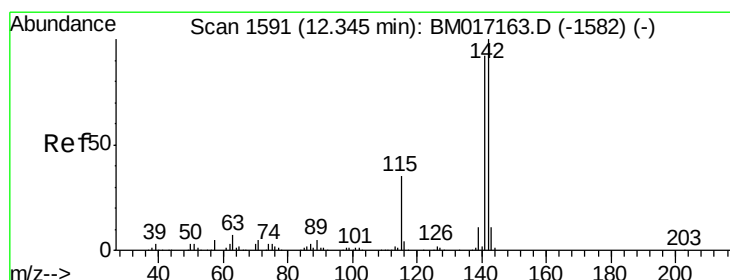
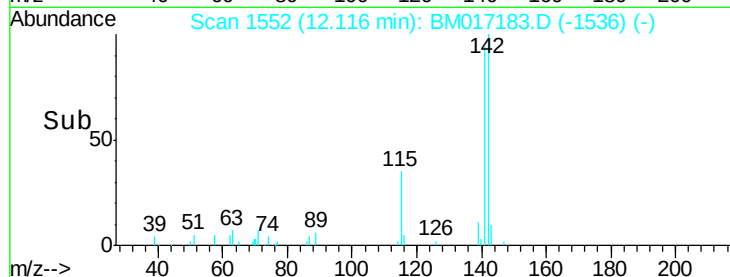
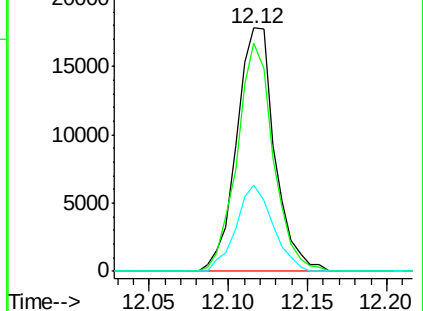
115 35.2 26.4 39.6



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

1-Methylnaphthalene

Concen: 1.055 ng

RT: 12.33 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

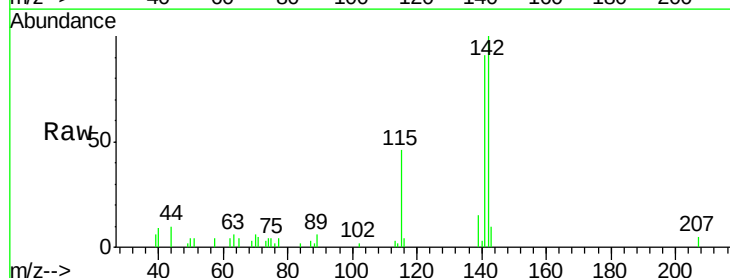
Tgt Ion:142 Resp: 27684

Ion Ratio Lower Upper

142 100

141 91.4 73.8 110.6

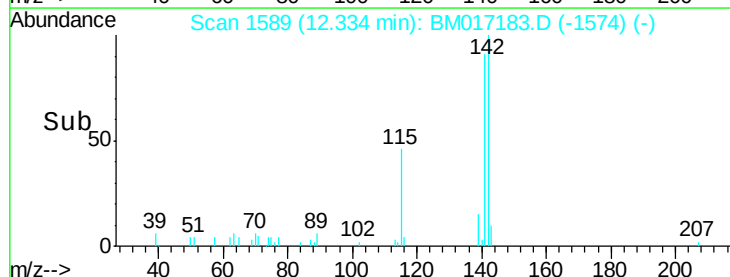
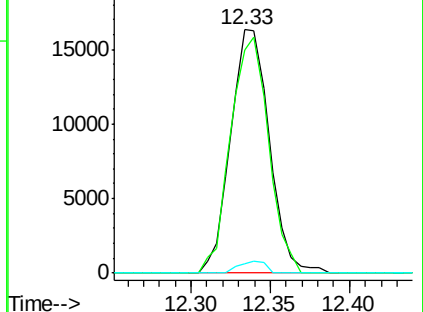
116 4.0 2.9 4.3

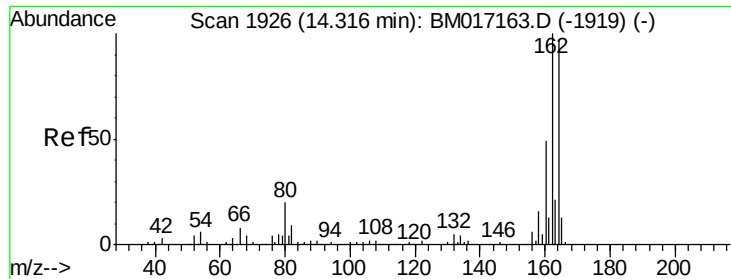


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

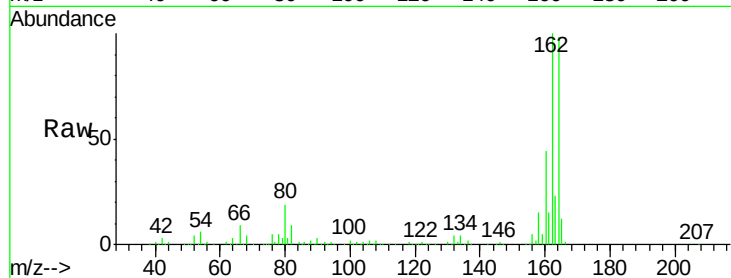
Tgt Ion:164 Resp: 462652

Ion Ratio Lower Upper

164 100

162 102.4 82.1 123.1

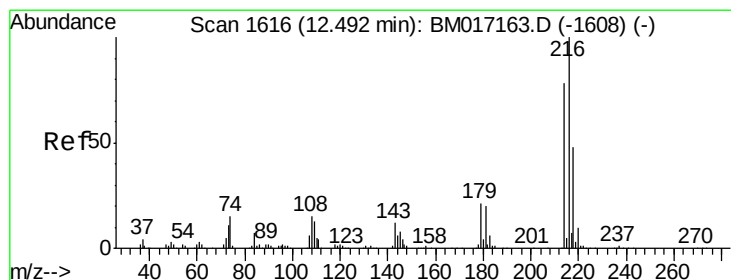
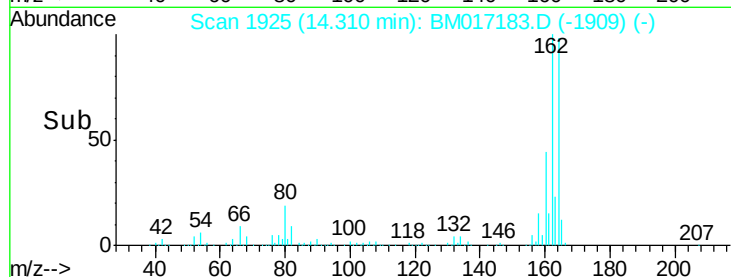
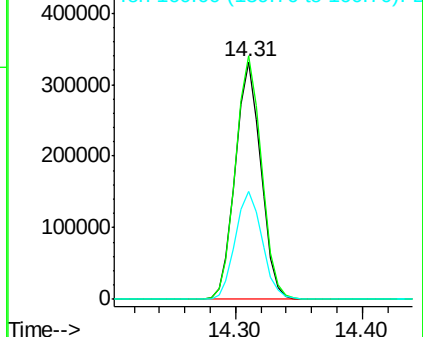
160 45.2 40.2 60.2



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

1,2,4,5-Tetrachlorobenzene

Concen: 0.942 ng

RT: 12.49 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Tgt Ion:216 Resp: 15342

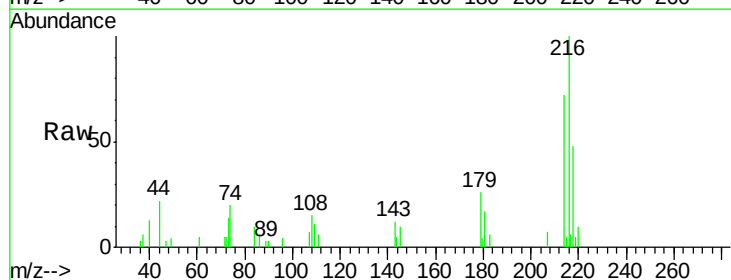
Ion Ratio Lower Upper

216 100

214 76.0 62.6 93.8

179 24.6 16.6 24.8

108 17.1 13.5 20.3

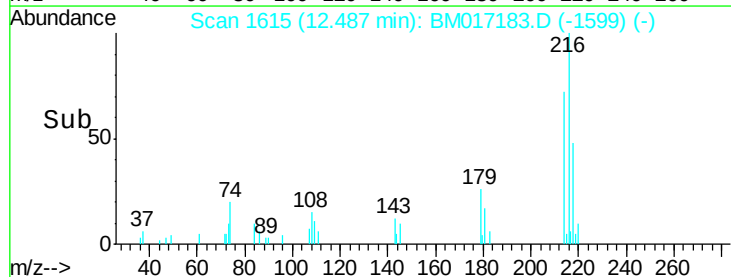
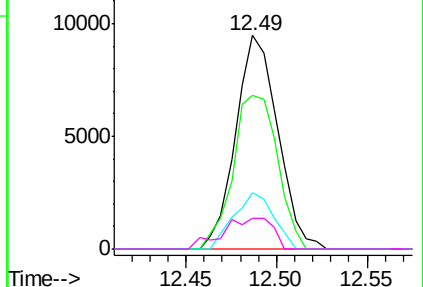


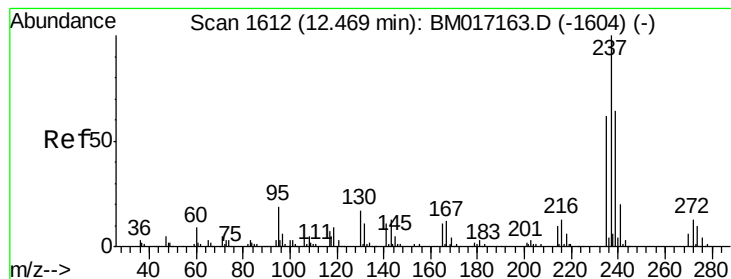
Abundance Ion 216.00 (215.70 to 216.70): E

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





#41

Hexachlorocyclopentadiene

Concen: 1.092 ng

RT: 12.46 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

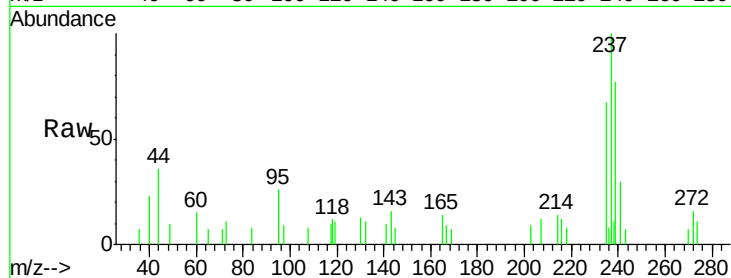
Tgt Ion:237 Resp: 8599

Ion Ratio Lower Upper

237 100

235 66.5 42.4 82.4

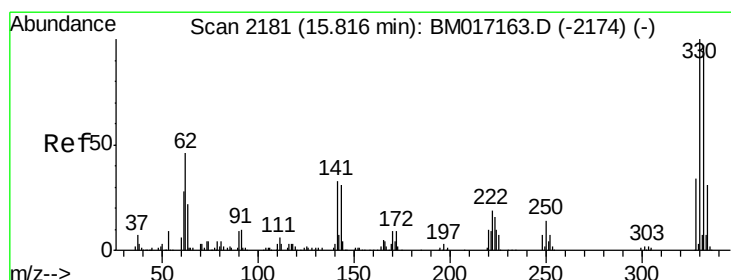
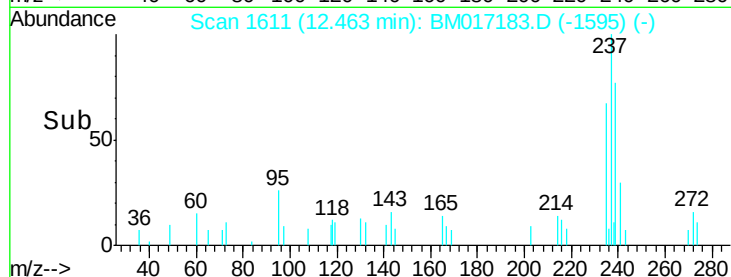
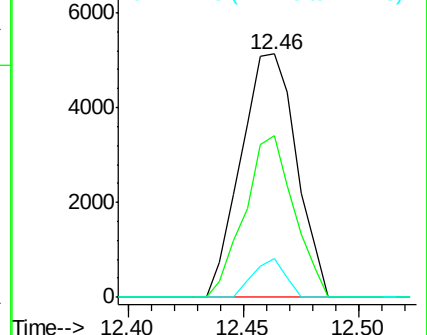
272 16.2 0.0 33.0



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



#42

2,4,6-Tribromophenol

Concen: 149.455 ng

RT: 15.80 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

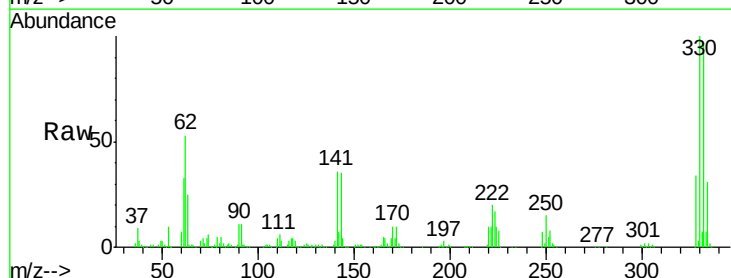
Tgt Ion:330 Resp: 935094

Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

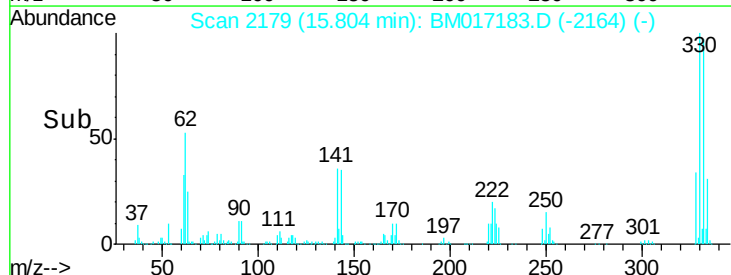
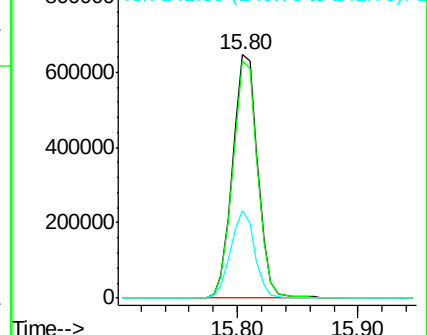
141 34.6 27.4 41.0



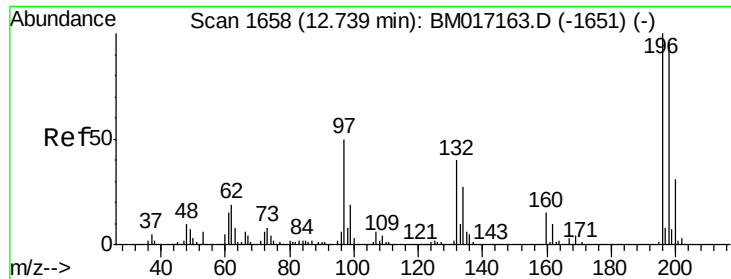
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



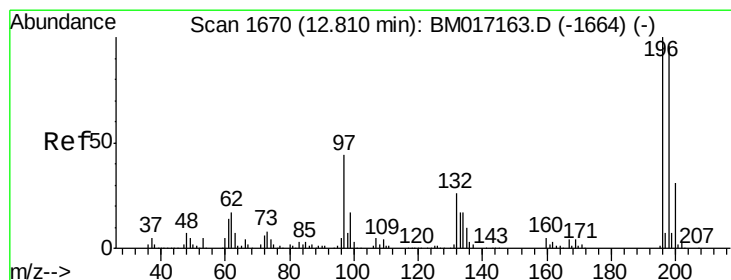
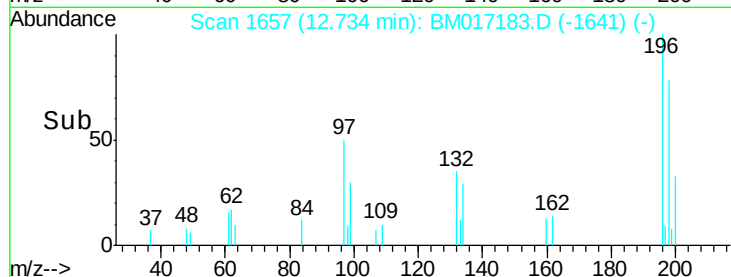
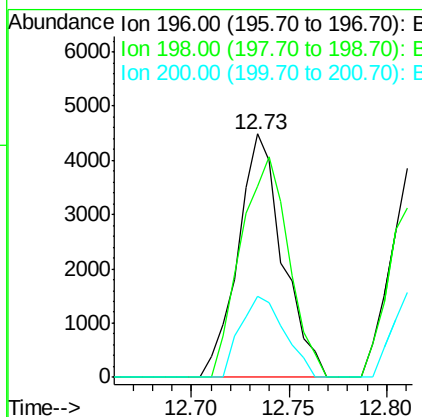
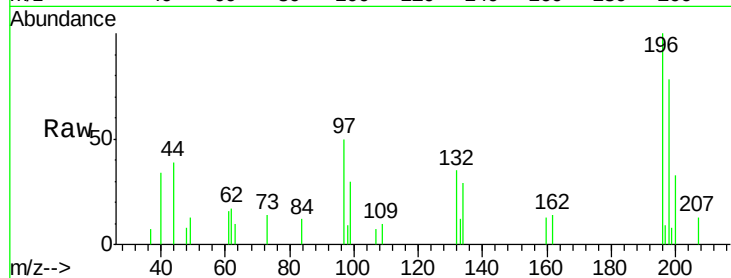




#43  
 2,4,6-Trichlorophenol  
 Concen: 0.755 ng  
 RT: 12.73 min Scan# 1657  
 Delta R.T. -0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

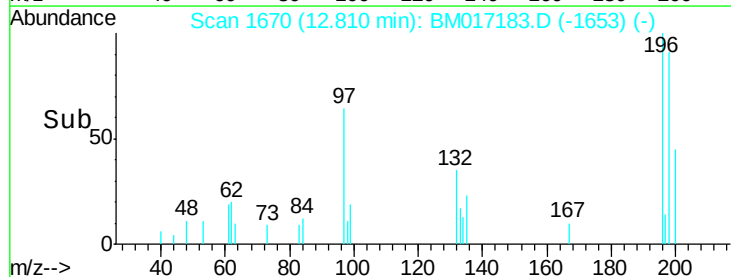
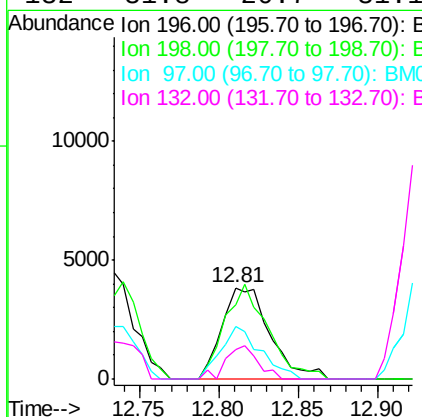
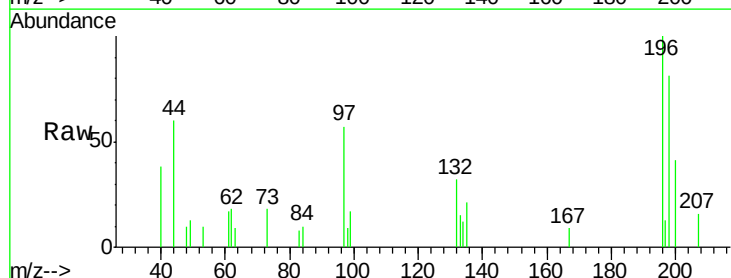
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2018

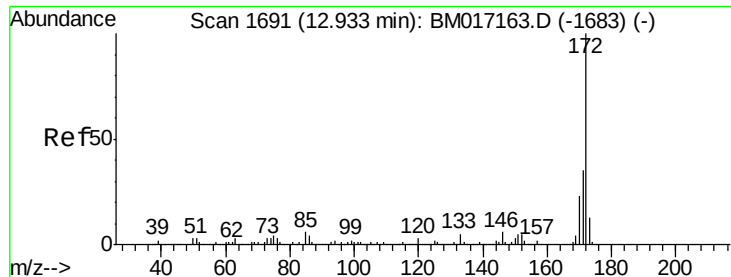
Tgt Ion:196 Resp: 7139  
 Ion Ratio Lower Upper  
 196 100  
 198 78.5 77.1 115.7  
 200 33.4 25.0 37.4



#44  
 2,4,5-Trichlorophenol  
 Concen: 0.792 ng  
 RT: 12.81 min Scan# 1670  
 Delta R.T. 0.00 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

Tgt Ion:196 Resp: 8035  
 Ion Ratio Lower Upper  
 196 100  
 198 81.3 76.6 115.0  
 97 57.4 35.5 53.3#  
 132 31.8 20.7 31.1#

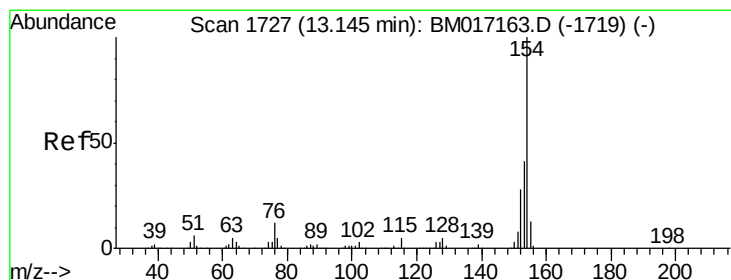
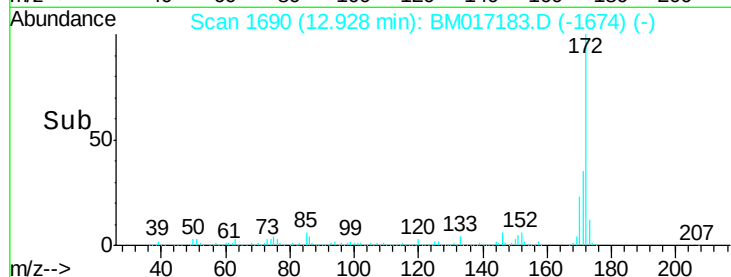
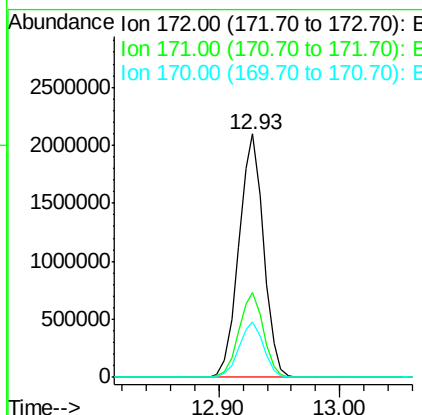
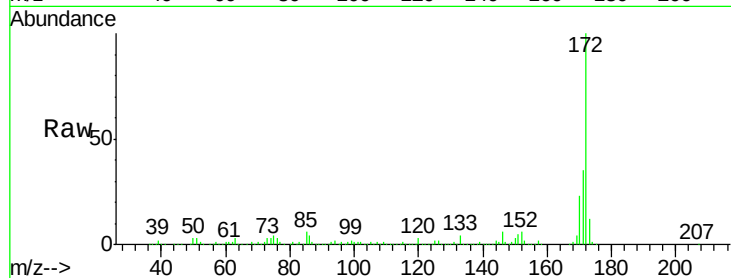




#45  
 2-Fluorobiphenyl  
 Concen: 85.841 ng  
 RT: 12.93 min Scan# 1690  
 Delta R.T. -0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

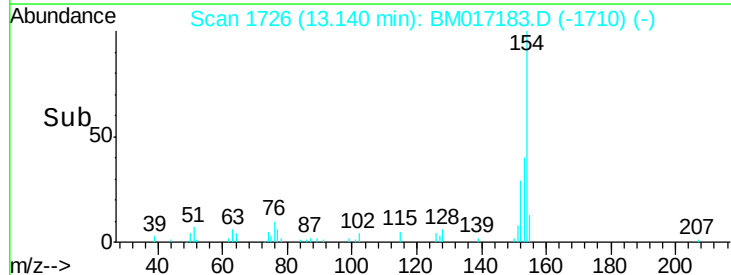
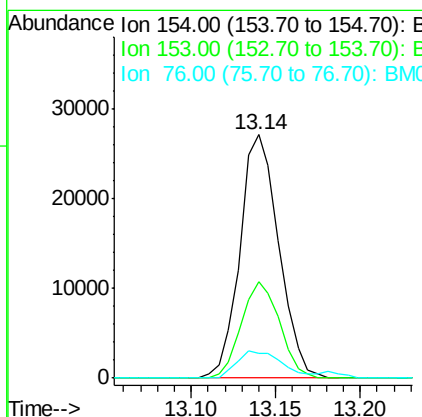
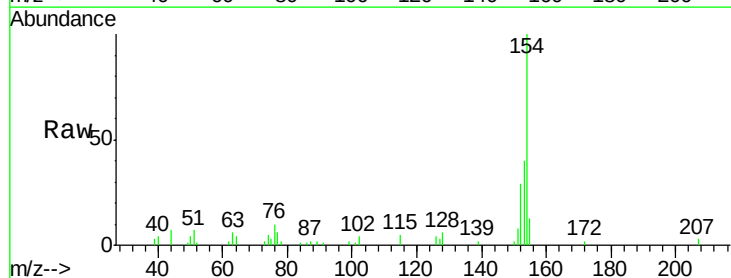
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2018

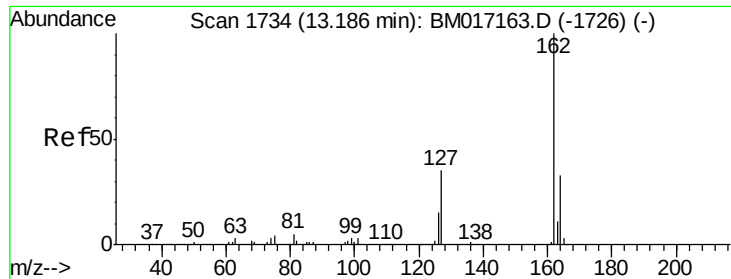
Tgt Ion:172 Resp: 2984839  
 Ion Ratio Lower Upper  
 172 100  
 171 34.6 28.3 42.5  
 170 22.7 18.3 27.5



#46  
 1,1'-Biphenyl  
 Concen: 1.044 ng  
 RT: 13.14 min Scan# 1726  
 Delta R.T. -0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

Tgt Ion:154 Resp: 43457  
 Ion Ratio Lower Upper  
 154 100  
 153 39.6 20.5 60.5  
 76 10.3 0.0 31.8

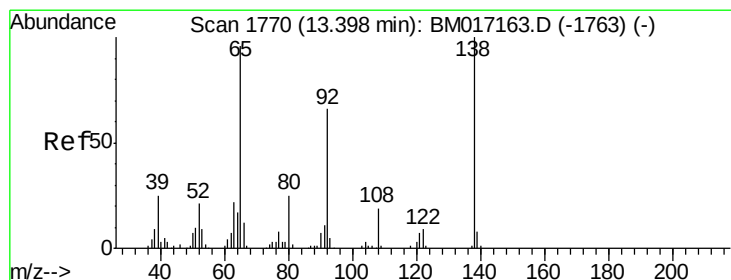
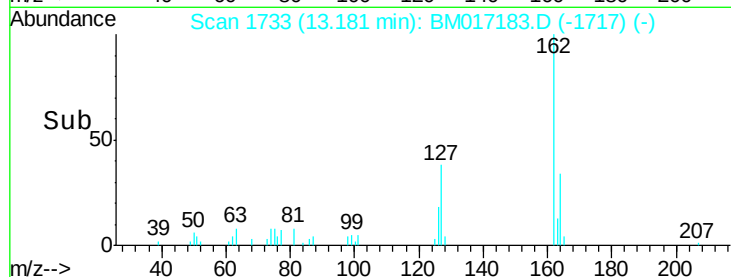
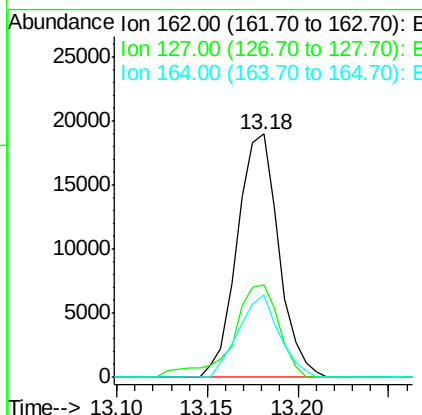
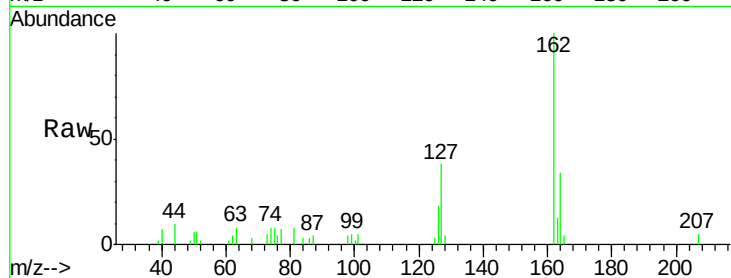




#47  
2-Chloronaphthalene  
Concen: 0.986 ng  
RT: 13.18 min Scan# 1733  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

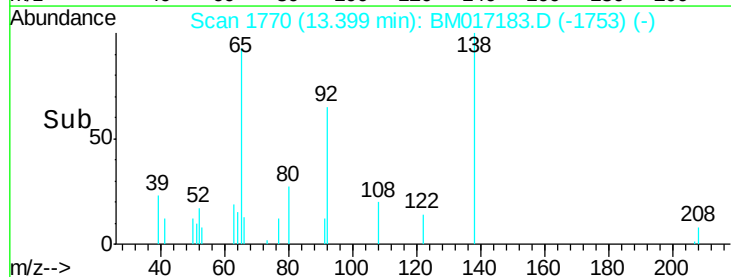
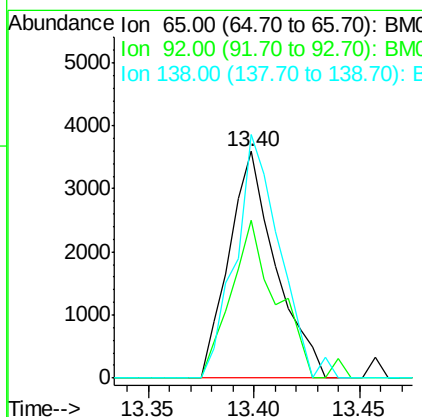
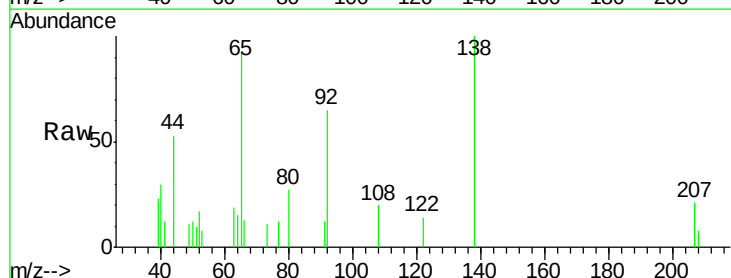
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

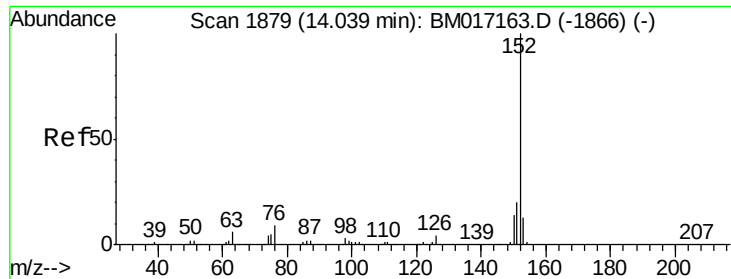
Tgt Ion: 162 Resp: 30186  
Ion Ratio Lower Upper  
162 100  
127 37.9 31.0 46.4  
164 33.8 26.6 39.8



#48  
2-Nitroaniline  
Concen: 6.250 ng  
RT: 13.40 min Scan# 1770  
Delta R.T. 0.00 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Tgt Ion: 65 Resp: 5520  
Ion Ratio Lower Upper  
65 100  
92 69.5 54.9 82.3  
138 107.4 83.7 125.5





#49

Acenaphthylene

Concen: 0.931 ng

RT: 14.03 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

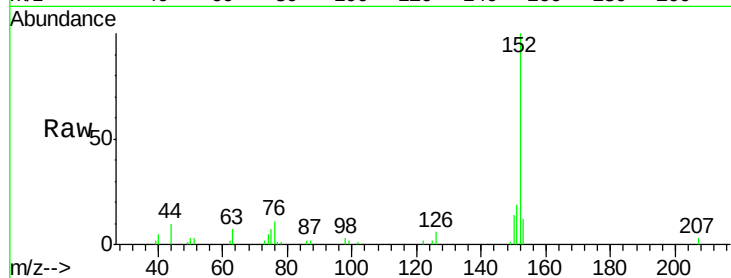
Tgt Ion:152 Resp: 41338

Ion Ratio Lower Upper

152 100

151 18.7 16.0 24.0

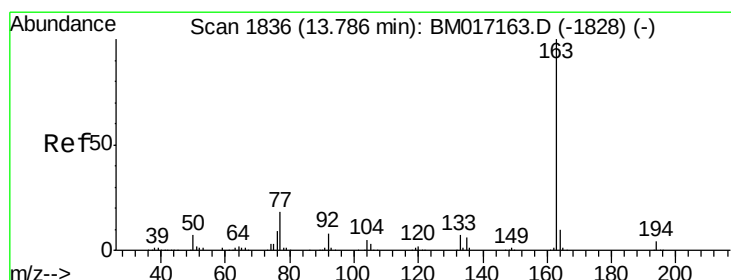
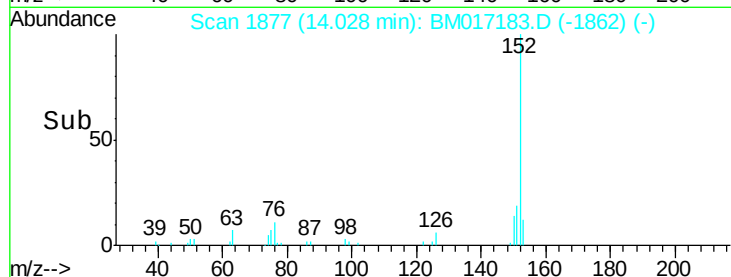
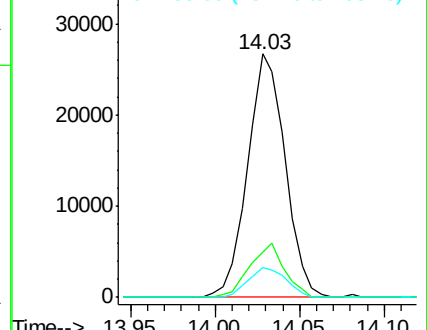
153 12.5 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 1.026 ng

RT: 13.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

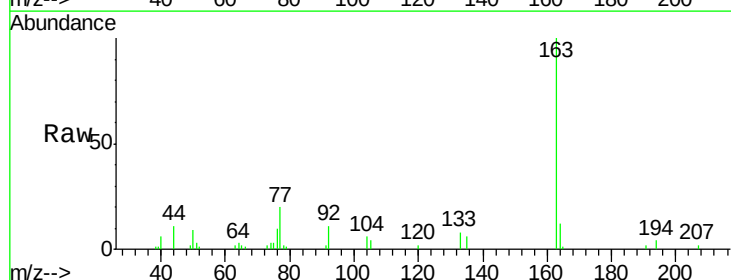
Tgt Ion:163 Resp: 36627

Ion Ratio Lower Upper

163 100

194 3.5 3.3 4.9

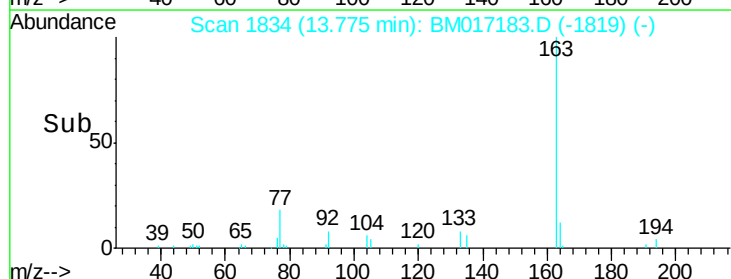
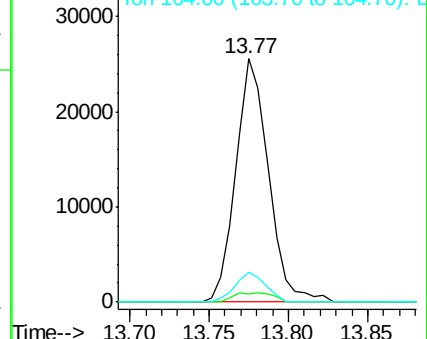
164 12.2 7.8 11.8#

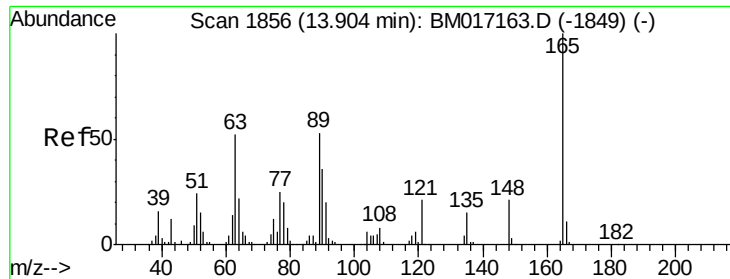


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

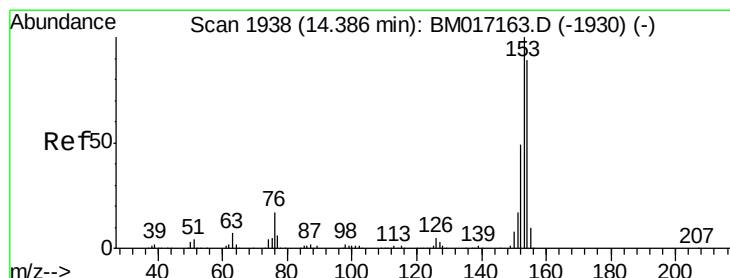
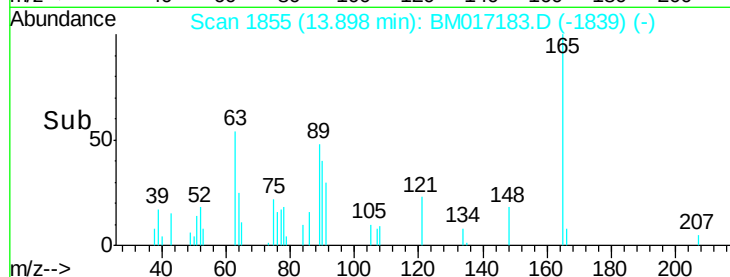
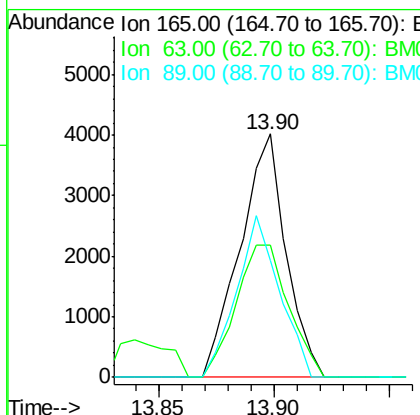
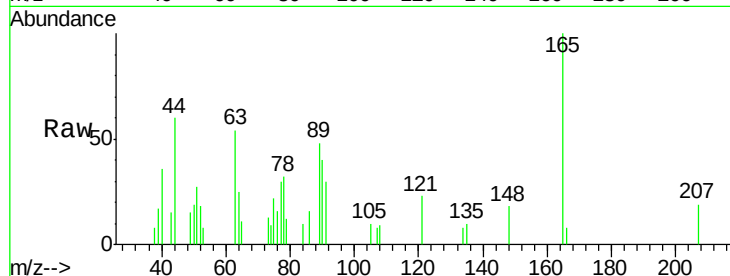




#51  
 2,6-Dinitrotoluene  
 Concen: 0.709 ng  
 RT: 13.90 min Scan# 1855  
 Delta R.T. -0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

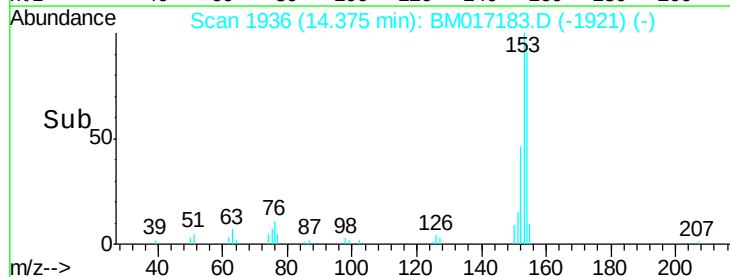
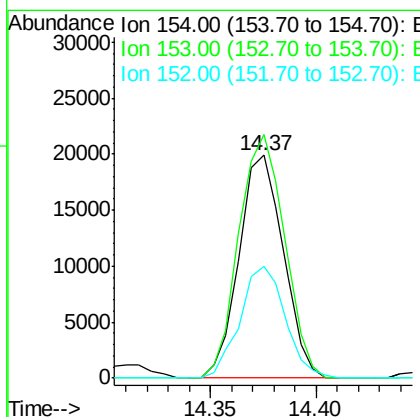
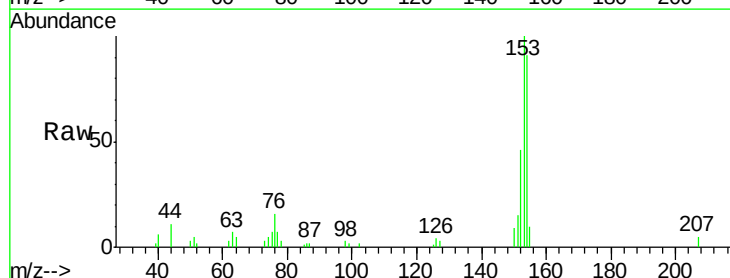
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2018

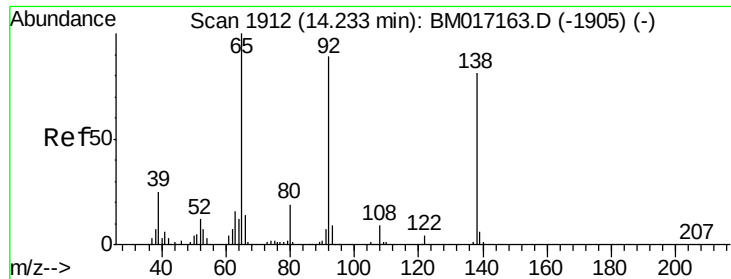
Tgt Ion:165 Resp: 5572  
 Ion Ratio Lower Upper  
 165 100  
 63 54.2 42.7 64.1  
 89 47.8 42.1 63.1



#52  
 Acenaphthene  
 Concen: 1.042 ng  
 RT: 14.37 min Scan# 1936  
 Delta R.T. -0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

Tgt Ion:154 Resp: 29058  
 Ion Ratio Lower Upper  
 154 100  
 153 109.4 90.2 135.2  
 152 50.0 44.2 66.4

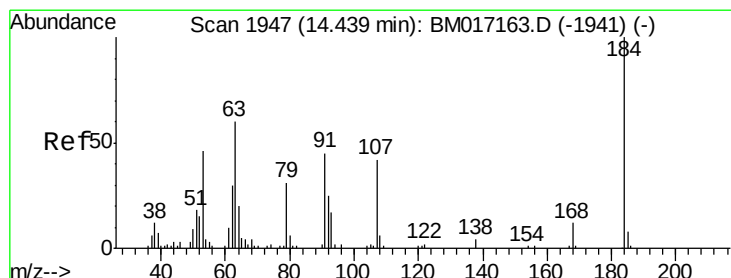
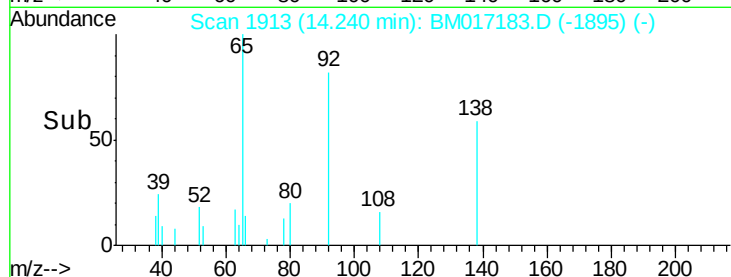
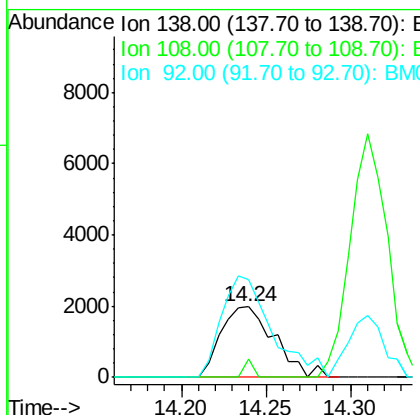
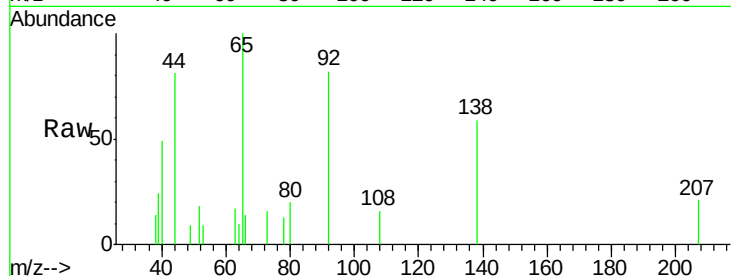




#53  
 3-Nitroaniline  
 Concen: 0.513 ng  
 RT: 14.24 min Scan# 1913  
 Delta R.T. 0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

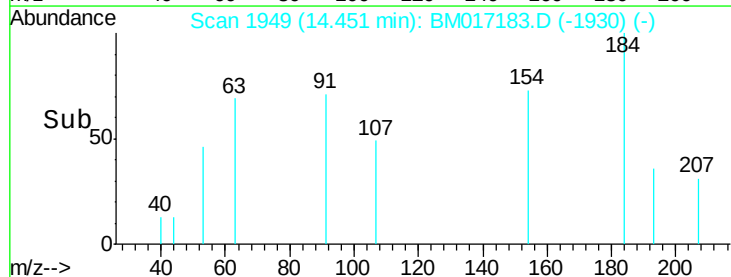
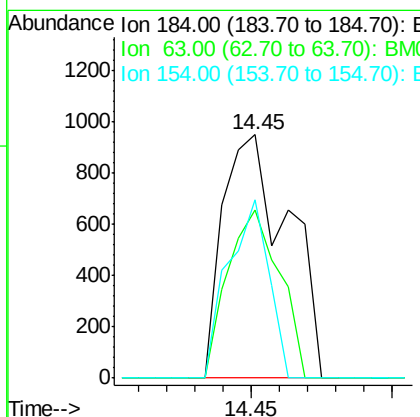
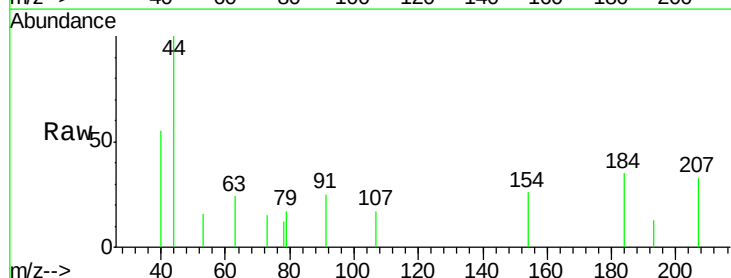
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2018

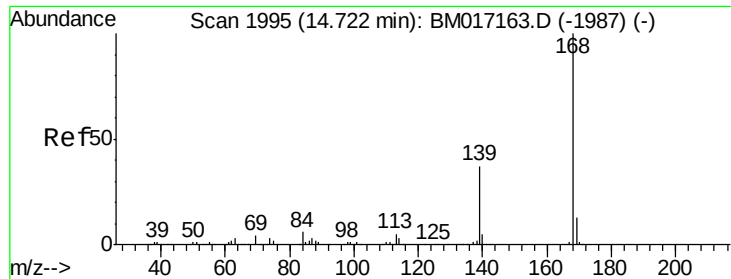
Tgt Ion:138 Resp: 4369  
 Ion Ratio Lower Upper  
 138 100  
 108 26.9 8.7 13.1#  
 92 138.6 87.9 131.9#



#54  
 2,4-Dinitrophenol  
 Concen: 8.521 ng  
 RT: 14.45 min Scan# 1949  
 Delta R.T. 0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

Tgt Ion:184 Resp: 1516  
 Ion Ratio Lower Upper  
 184 100  
 63 68.9 51.2 76.8  
 154 73.2 47.8 71.8#

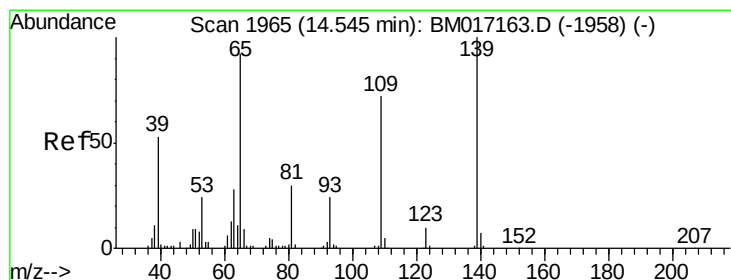
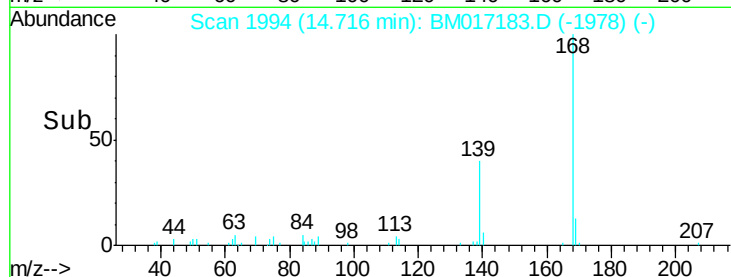
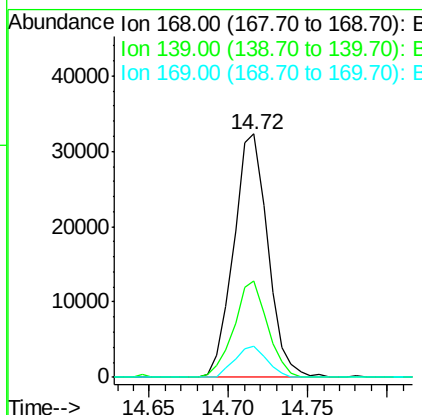
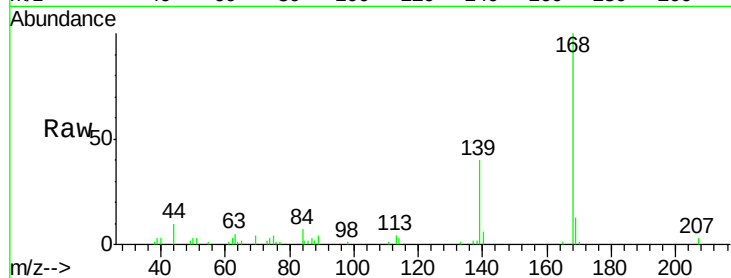




#55  
Dibenzenofuran  
Concen: 1.042 ng  
RT: 14.72 min Scan# 1994  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

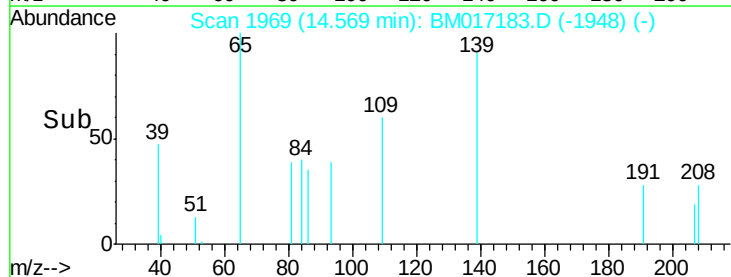
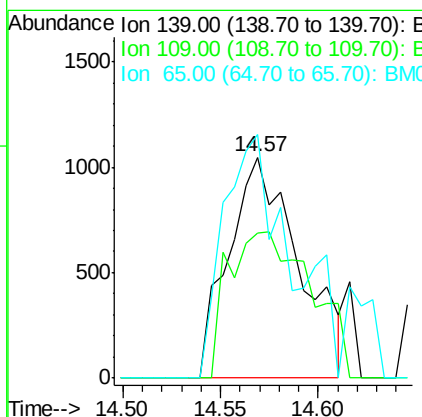
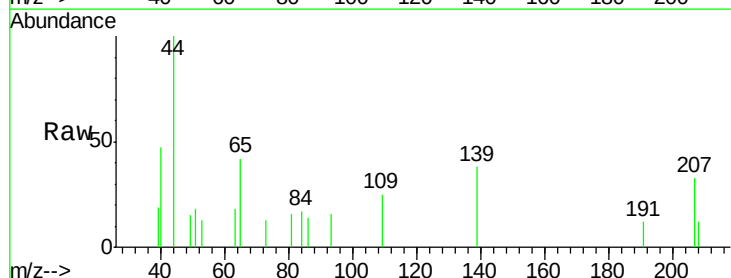
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

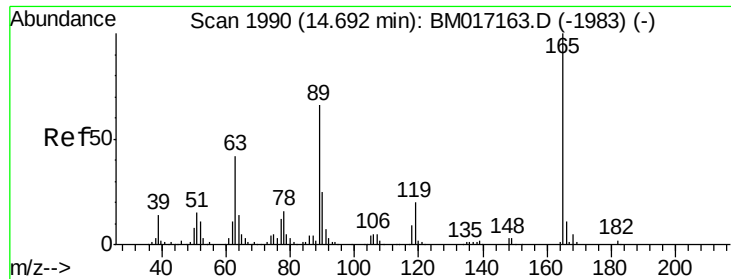
Tgt Ion:168 Resp: 48301  
Ion Ratio Lower Upper  
168 100  
139 39.7 29.3 43.9  
169 12.8 10.6 15.8



#56  
4-Nitrophenol  
Concen: 5.035 ng  
RT: 14.57 min Scan# 1969  
Delta R.T. 0.02 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Tgt Ion:139 Resp: 2618  
Ion Ratio Lower Upper  
139 100  
109 65.6 51.8 91.8  
65 110.1 72.1 112.1

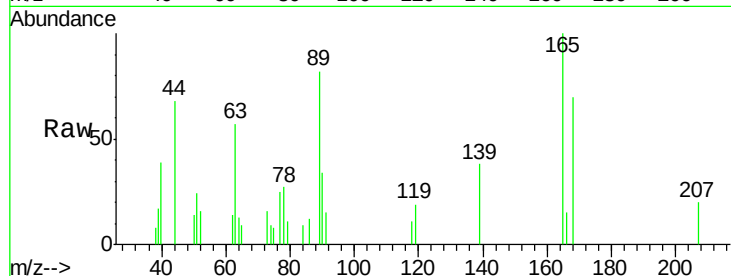




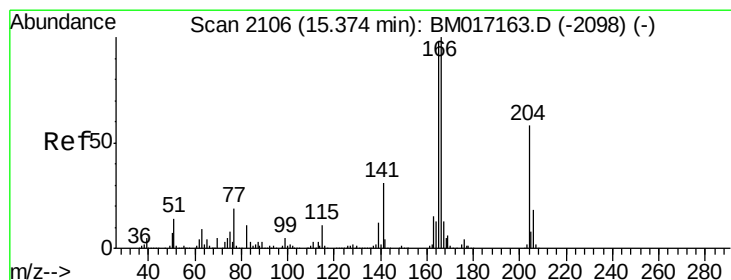
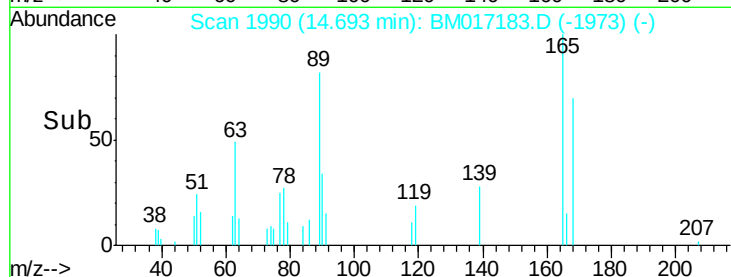
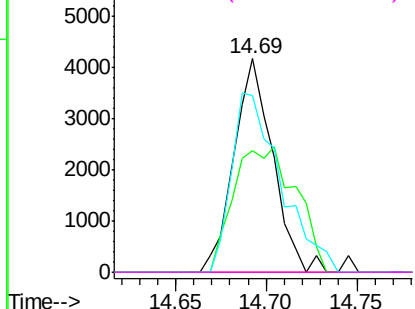
#57  
2,4-Dinitrotoluene  
Concen: 0.587 ng  
RT: 14.69 min Scan# 1990  
Delta R.T. 0.00 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:165 Resp: 6198  
Ion Ratio Lower Upper  
165 100  
63 56.7 33.8 50.8#  
89 82.5 53.1 79.7#  
182 0.0 2.0 3.0#

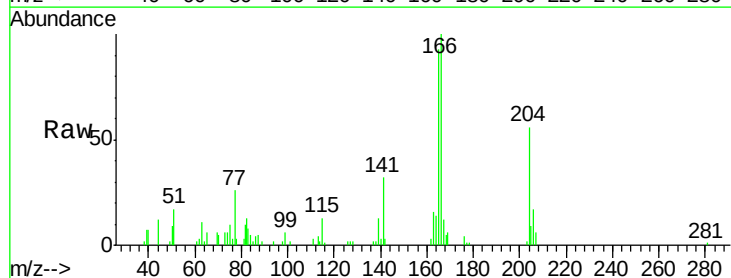


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BM  
Ion 89.00 (88.70 to 89.70): BM  
Ion 182.00 (181.70 to 182.70): E

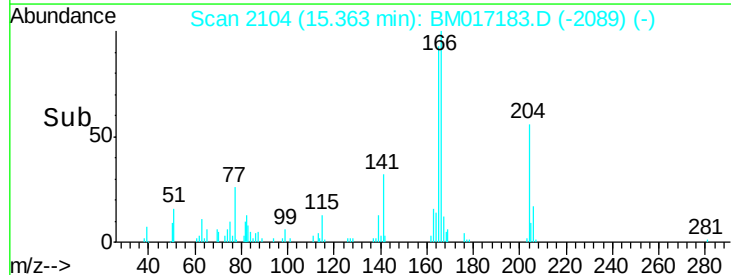
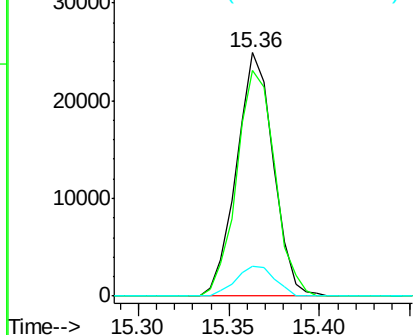


#58  
Fluorene  
Concen: 1.027 ng  
RT: 15.36 min Scan# 2104  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

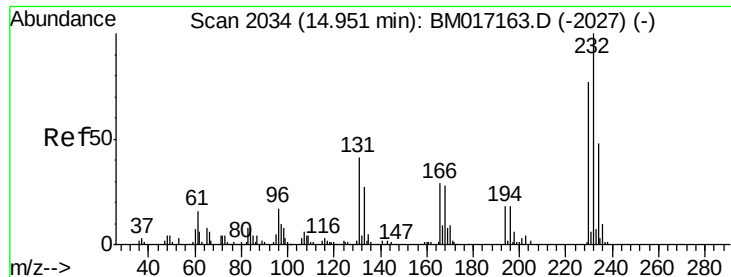
Tgt Ion:166 Resp: 35234  
Ion Ratio Lower Upper  
166 100  
165 92.6 78.1 117.1  
167 12.1 10.6 16.0



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



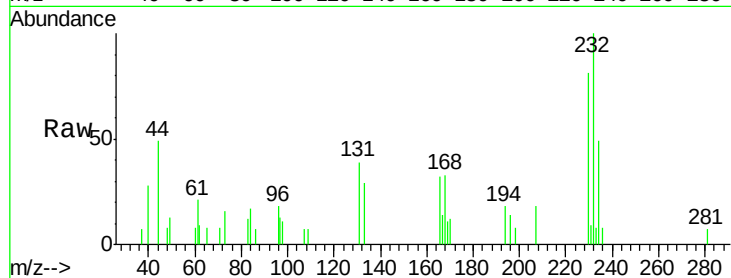




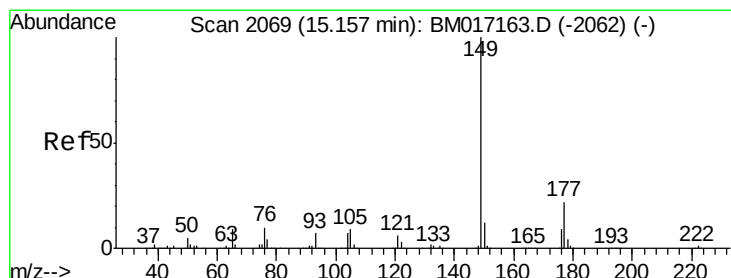
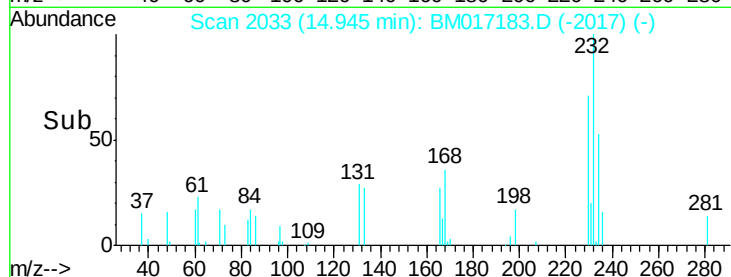
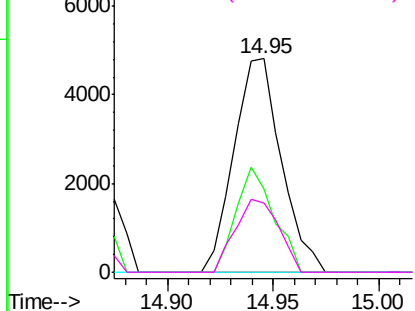
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 0.810 ng  
RT: 14.95 min Scan# 2033  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:232 Resp: 7493  
Ion Ratio Lower Upper  
232 100  
131 39.1 33.1 49.7  
130 0.0 1.7 2.5#  
166 31.2 24.4 36.6

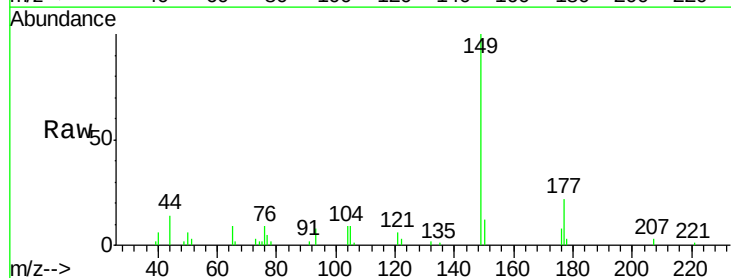


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

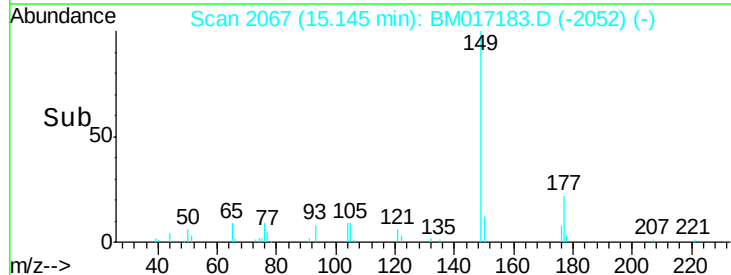
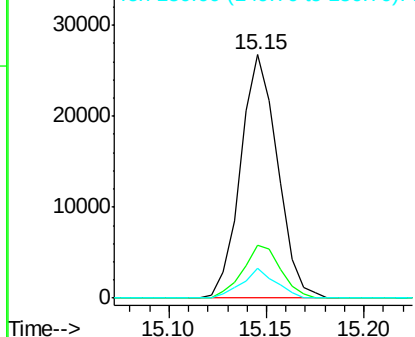


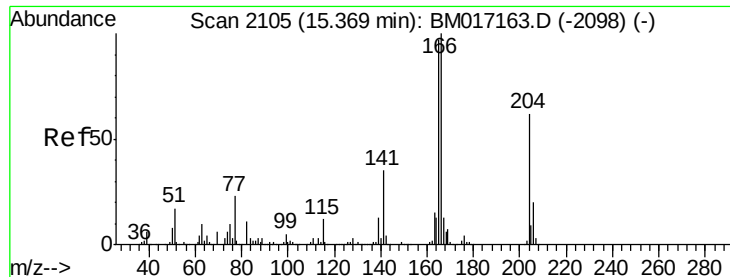
#60  
Diethylphthalate  
Concen: 0.991 ng  
RT: 15.15 min Scan# 2067  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Tgt Ion:149 Resp: 35094  
Ion Ratio Lower Upper  
149 100  
177 21.6 17.7 26.5  
150 12.3 10.0 15.0



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

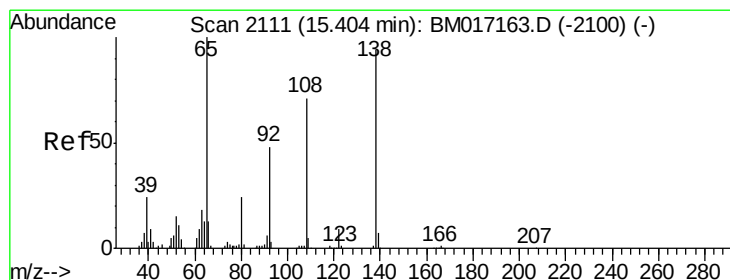
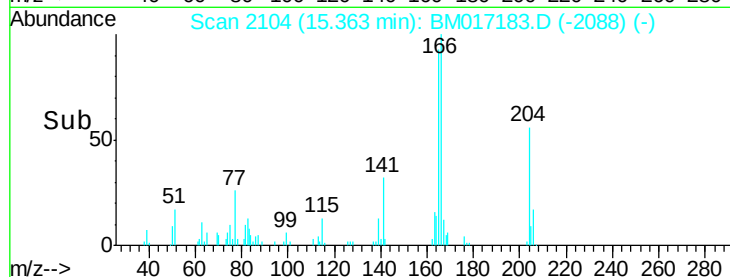
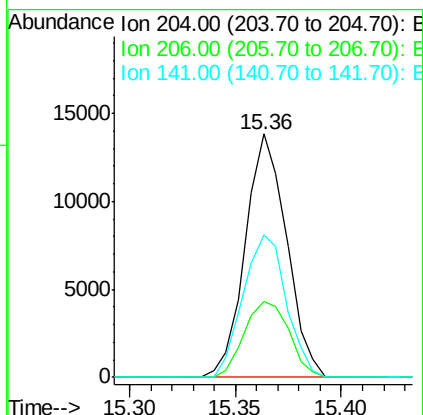
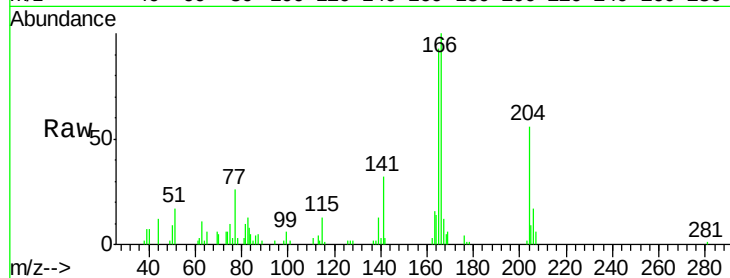




#61  
 4-Chlorophenyl-phenylether  
 Concen: 0.958 ng  
 RT: 15.36 min Scan# 2104  
 Delta R.T. -0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

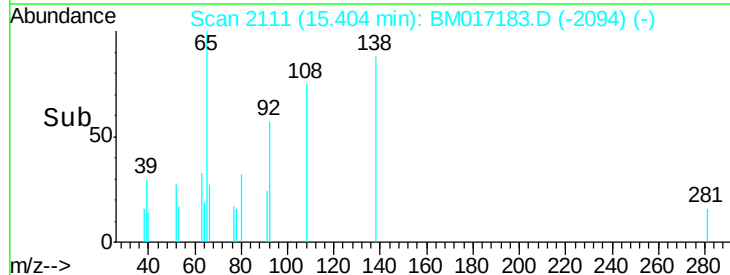
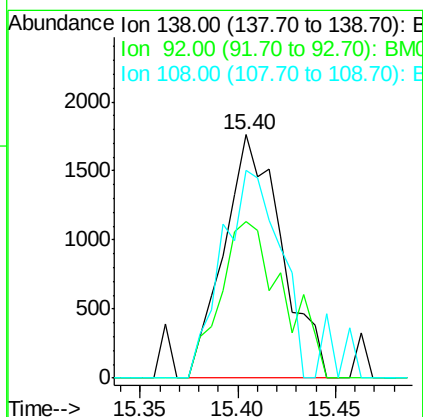
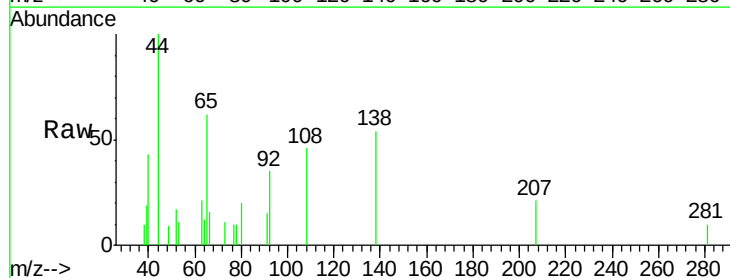
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2018

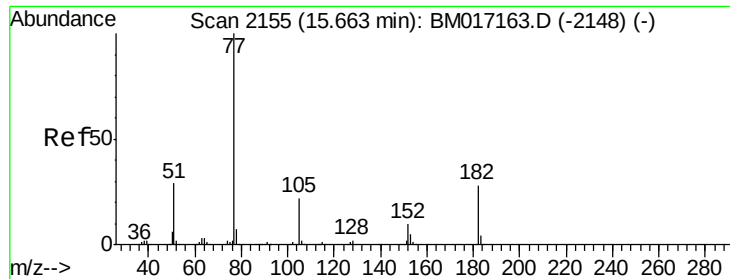
Tgt Ion: 204 Resp: 18743  
 Ion Ratio Lower Upper  
 204 100  
 206 31.2 26.1 39.1  
 141 58.5 45.4 68.2



#62  
 4-Nitroaniline  
 Concen: 5.096 ng  
 RT: 15.40 min Scan# 2111  
 Delta R.T. 0.00 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

Tgt Ion: 138 Resp: 3593  
 Ion Ratio Lower Upper  
 138 100  
 92 64.3 31.2 71.2  
 108 85.3 55.5 95.5





#63

Azobenzene

Concen: 0.801 ng

RT: 15.66 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 77 Resp: 27546

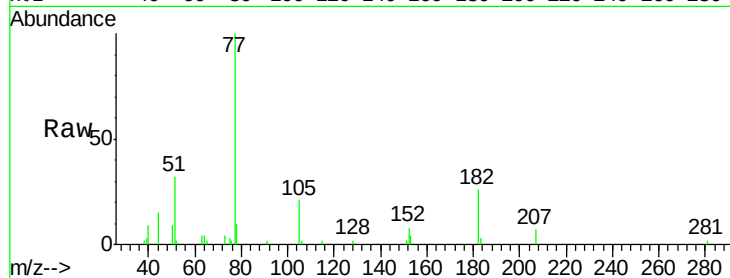
Ion Ratio Lower Upper

77 100

182 26.0 8.3 48.3

105 21.2 1.5 41.5

51 32.4 8.8 48.8



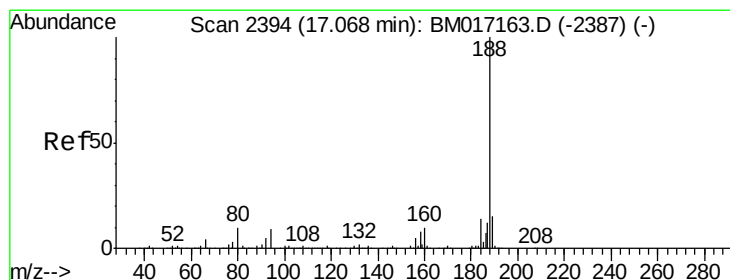
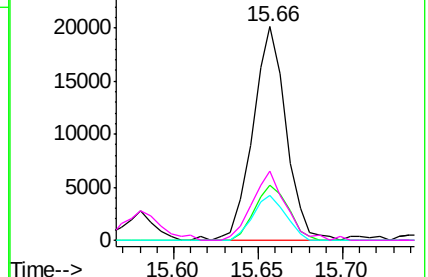
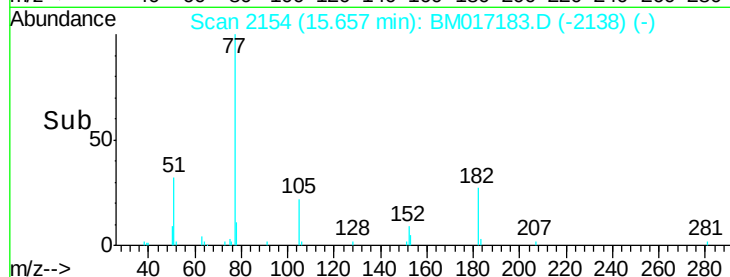
Abundance Ion 77.00 (76.70 to 77.70): BM017183.D (-2148) (-)

Ion 182.00 (181.70 to 182.70): BM017183.D (-2148) (-)

Ion 105.00 (104.70 to 105.70): BM017183.D (-2148) (-)

Ion 51.00 (50.70 to 51.70): BM017183.D (-2148) (-)

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

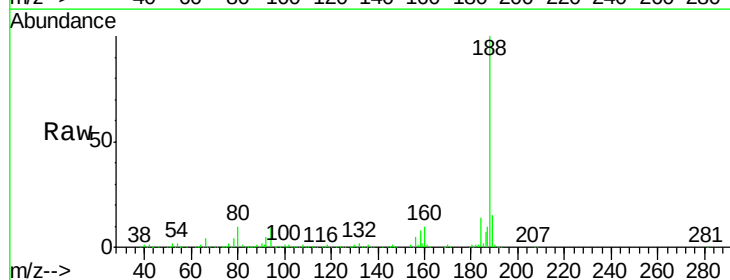
Tgt Ion: 188 Resp: 1101134

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.4

80 9.6 7.7 11.5

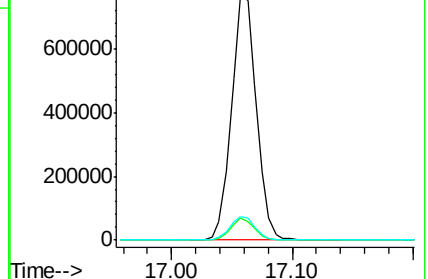
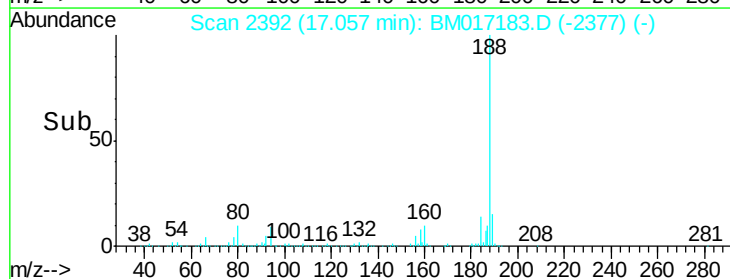


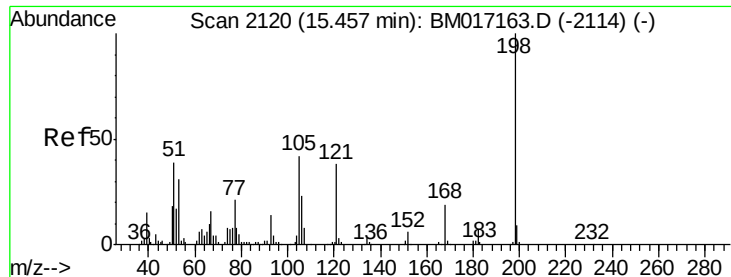
Abundance Ion 188.00 (187.70 to 188.70): BM017183.D (-2387) (-)

Ion 94.00 (93.70 to 94.70): BM017183.D (-2387) (-)

Ion 80.00 (79.70 to 80.70): BM017183.D (-2387) (-)

Time-->





#65

4,6-Dinitro-2-methylphenol

Concen: 7.384 ng

RT: 15.46 min Scan# 2120

Delta R.T. 0.00 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

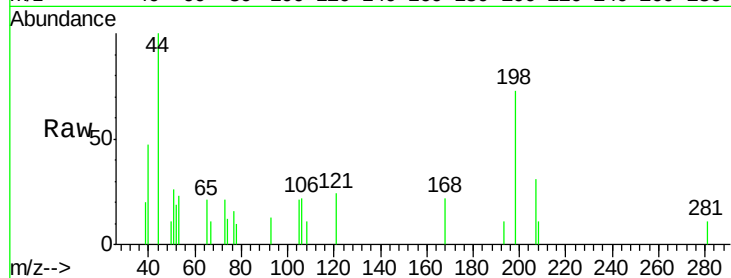
Tgt Ion:198 Resp: 3164

Ion Ratio Lower Upper

198 100

51 35.4 20.3 60.3

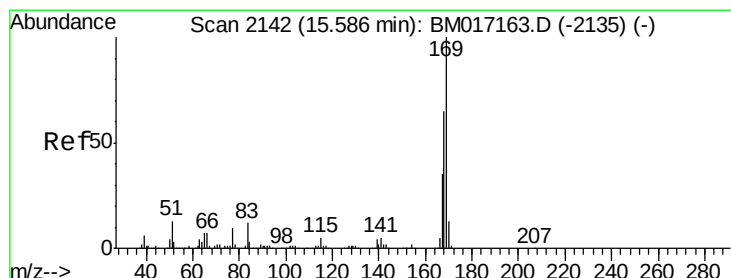
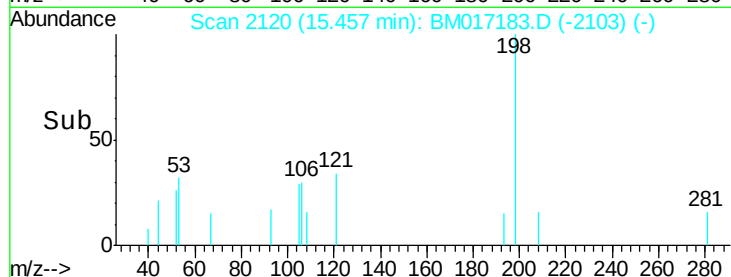
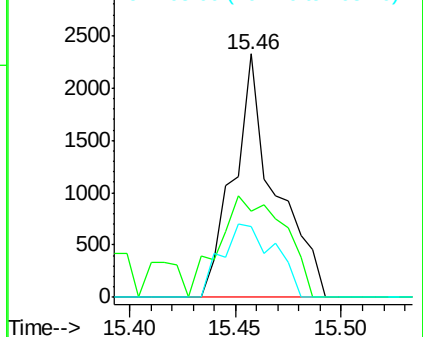
105 29.3 21.9 61.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 0.849 ng

RT: 15.58 min Scan# 2141

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

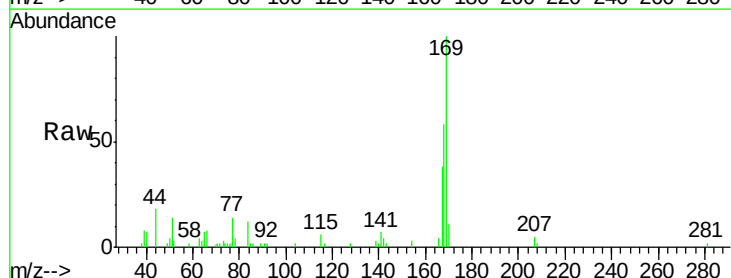
Tgt Ion:169 Resp: 28289

Ion Ratio Lower Upper

169 100

168 58.5 52.2 78.4

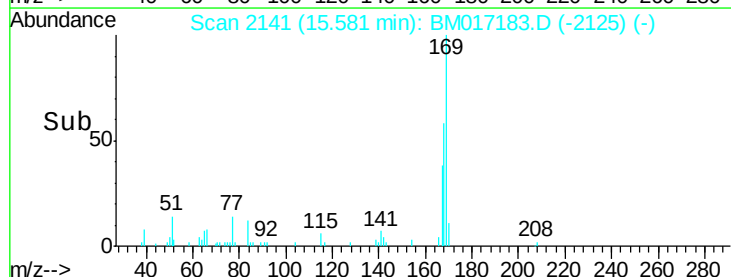
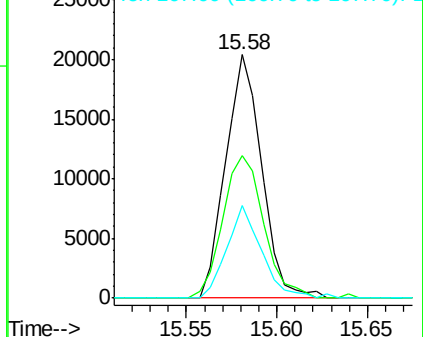
167 37.9 28.4 42.6

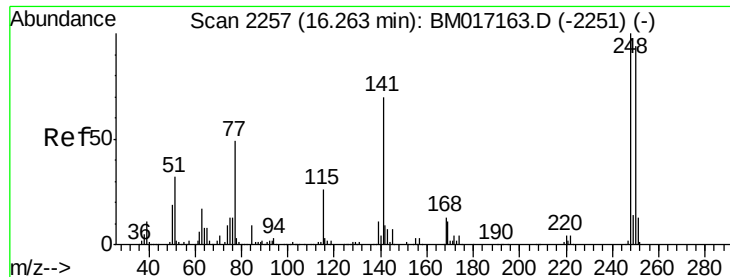


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

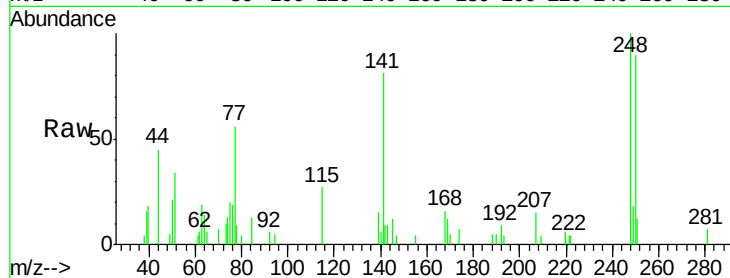




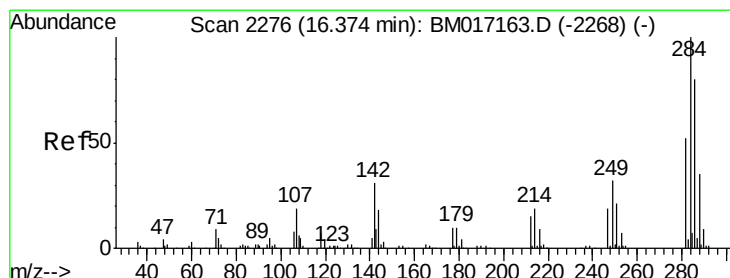
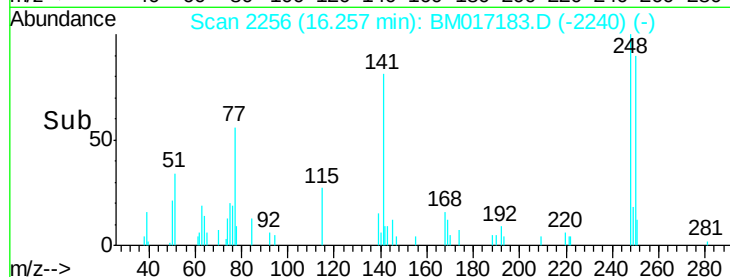
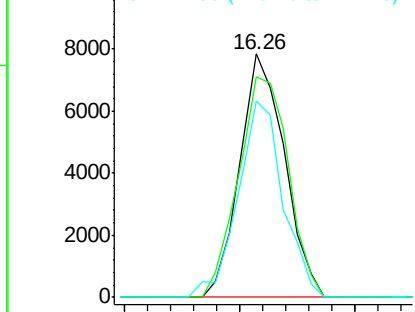
#67  
4-Bromophenyl-phenylether  
Concen: 0.878 ng  
RT: 16.26 min Scan# 2256  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:248 Resp: 10618  
Ion Ratio Lower Upper  
248 100  
250 90.4 75.1 112.7  
141 80.8 55.6 83.4

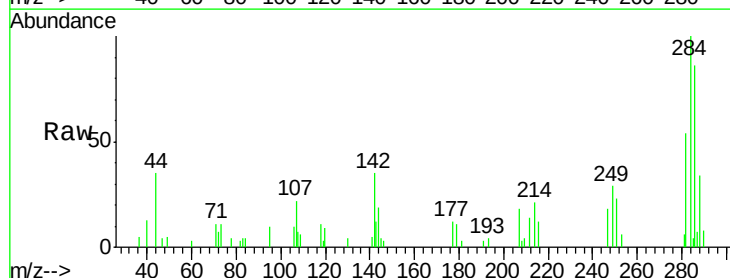


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

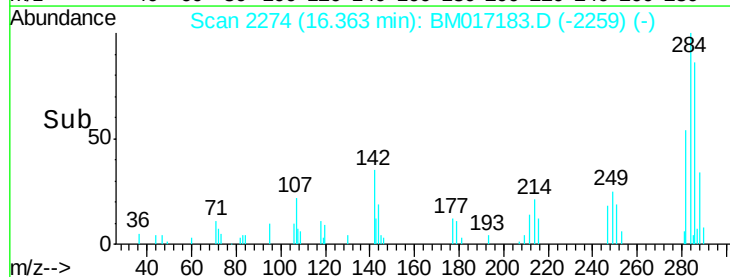
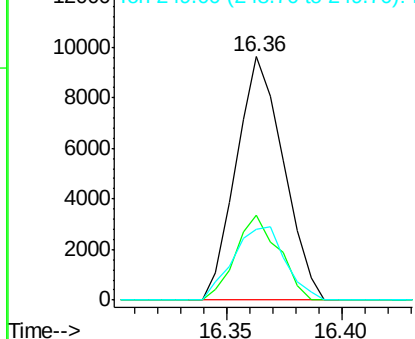


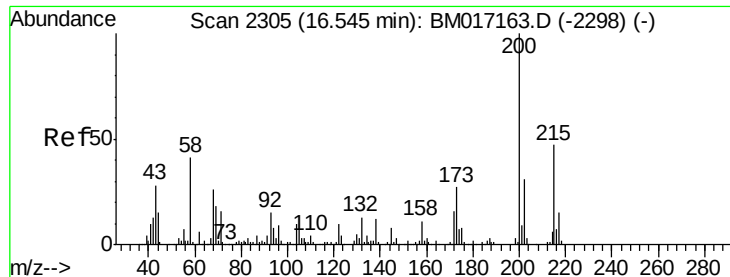
#68  
Hexachlorobenzene  
Concen: 0.978 ng  
RT: 16.36 min Scan# 2274  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Tgt Ion:284 Resp: 13733  
Ion Ratio Lower Upper  
284 100  
142 34.8 25.0 37.6  
249 29.0 25.5 38.3



Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

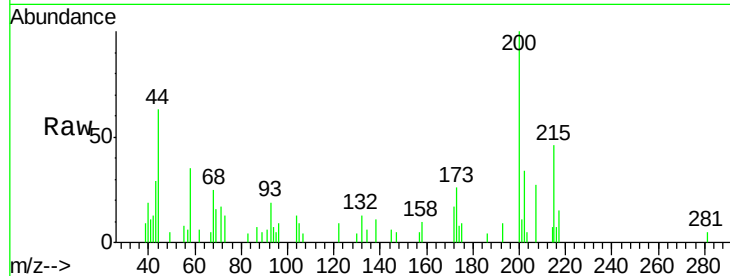




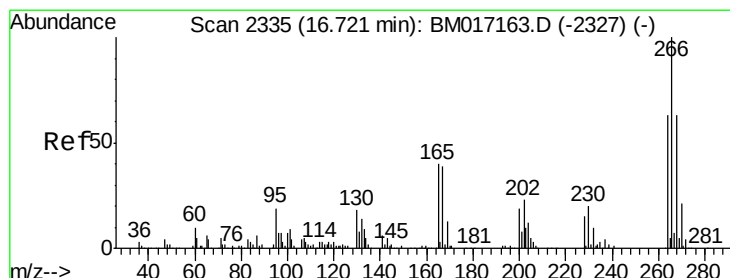
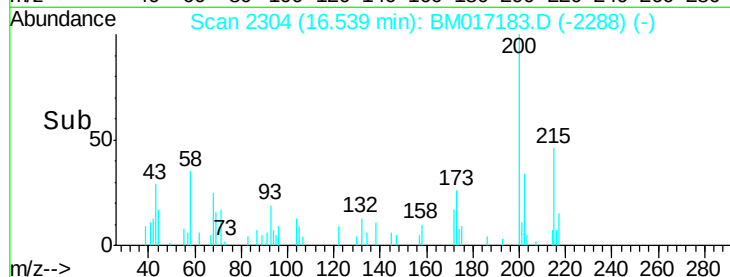
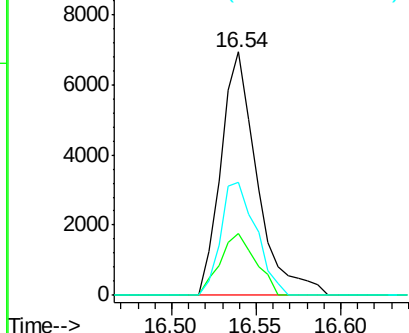
#69  
Atrazine  
Concen: 0.871 ng  
RT: 16.54 min Scan# 2304  
Delta R.T. -0.00 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:200 Resp: 10380  
Ion Ratio Lower Upper  
200 100  
173 25.6 7.0 47.0  
215 46.3 27.3 67.3

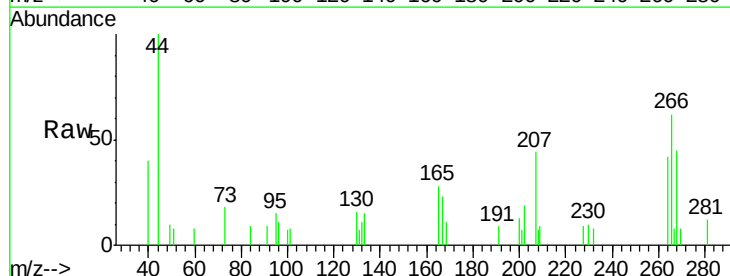


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

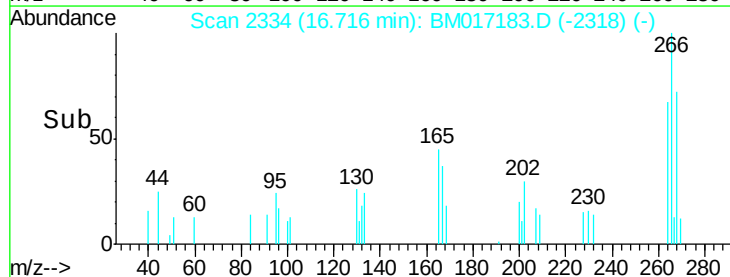
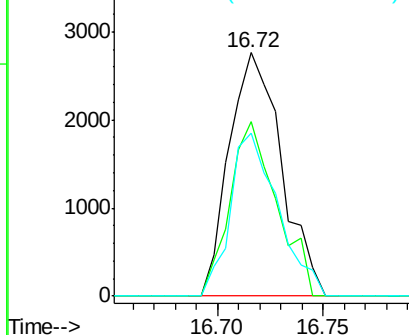


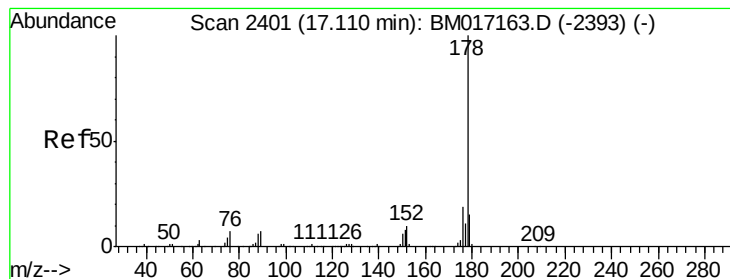
#70  
Pentachlorophenol  
Concen: 0.493 ng  
RT: 16.72 min Scan# 2334  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Tgt Ion:266 Resp: 4745  
Ion Ratio Lower Upper  
266 100  
268 71.7 50.7 76.1  
264 67.0 50.4 75.6



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





#71

Phenanthrene

Concen: 1.080 ng

RT: 17.10 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

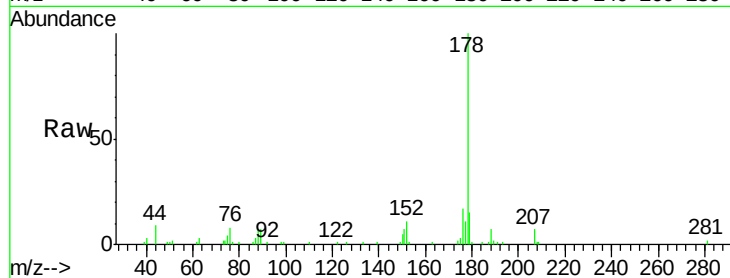
Tgt Ion:178 Resp: 64163

Ion Ratio Lower Upper

178 100

176 17.3 15.0 22.6

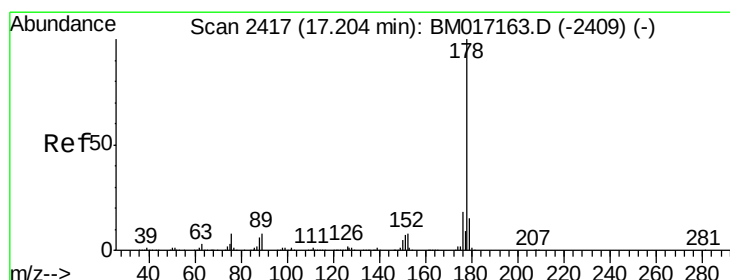
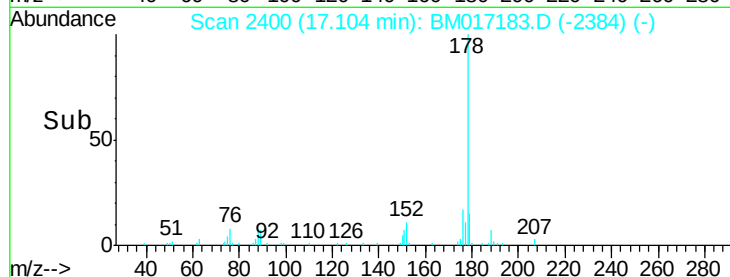
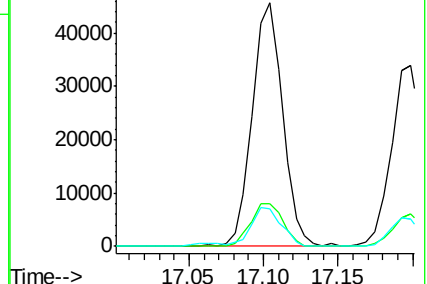
179 15.2 12.3 18.5



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



#72

Anthracene

Concen: 0.975 ng

RT: 17.20 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

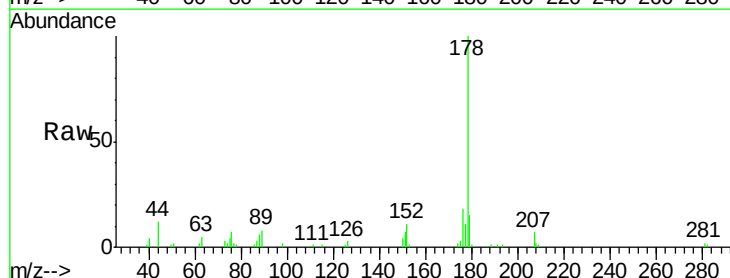
Tgt Ion:178 Resp: 55036

Ion Ratio Lower Upper

178 100

176 17.9 14.5 21.7

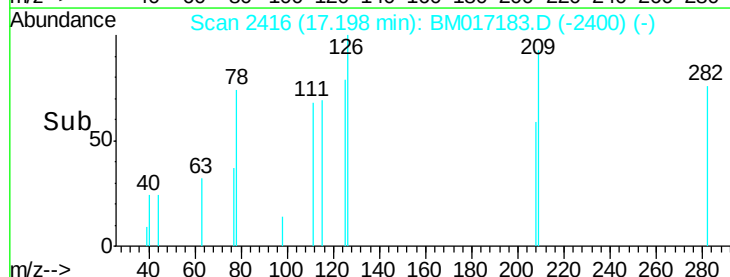
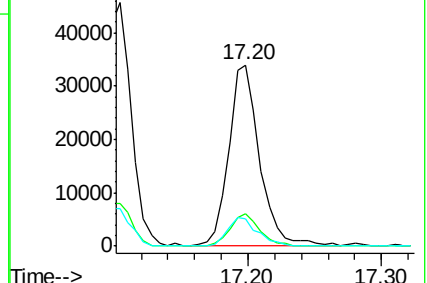
179 15.3 12.2 18.2

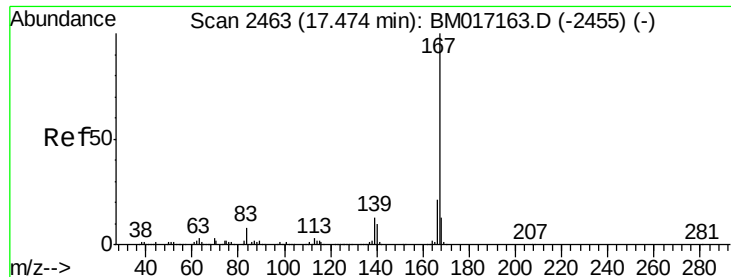


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

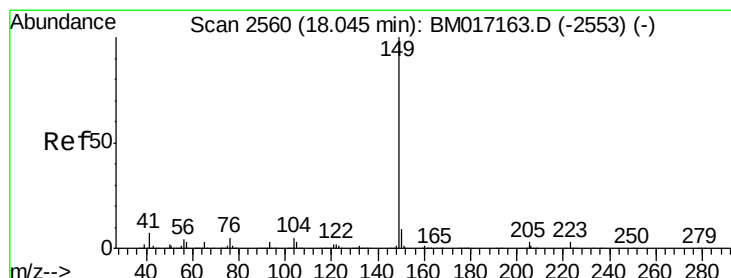
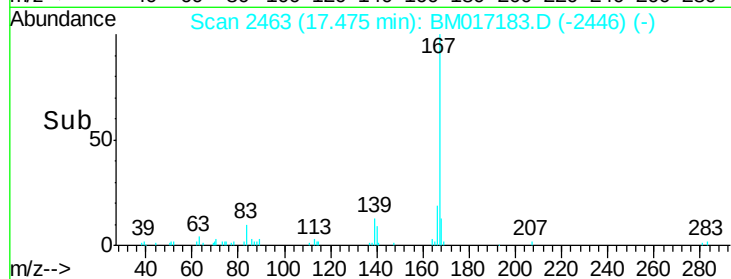
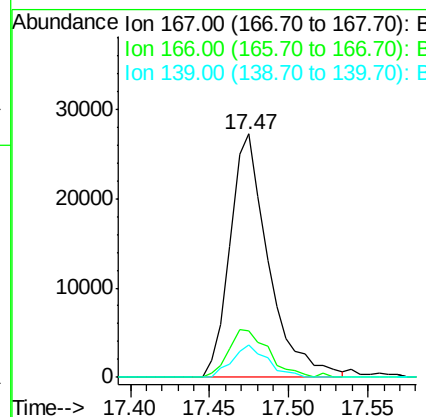
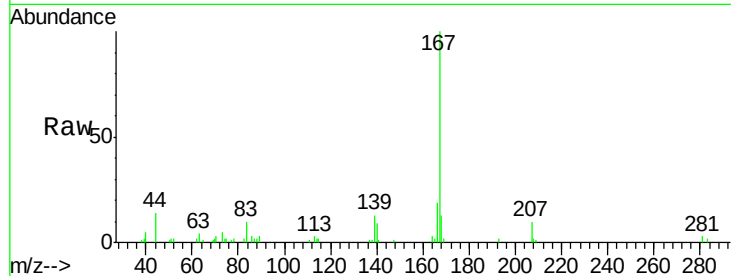




#73  
 Carbazole  
 Concen: 0.798 ng  
 RT: 17.47 min Scan# 2463  
 Delta R.T. 0.00 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

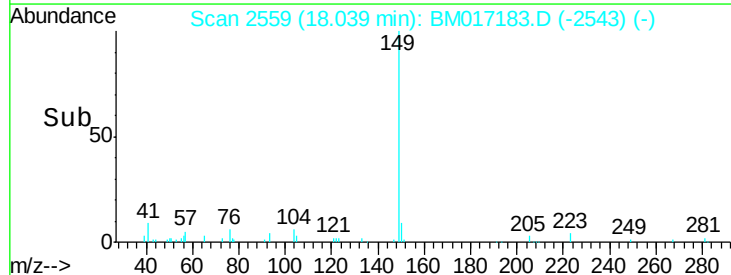
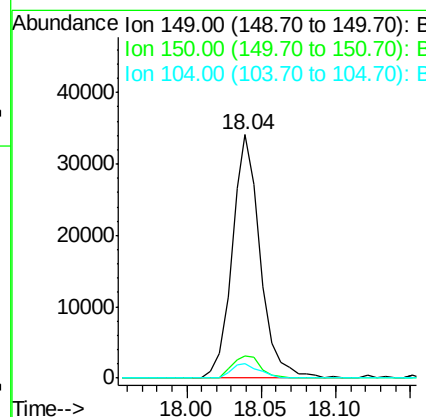
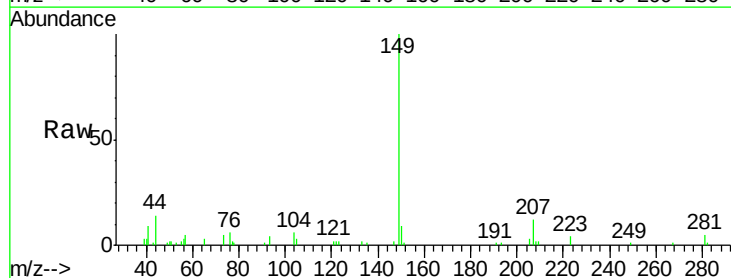
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:167 Resp: 45988  
 Ion Ratio Lower Upper  
 167 100  
 166 19.2 17.1 25.7  
 139 13.4 10.1 15.1

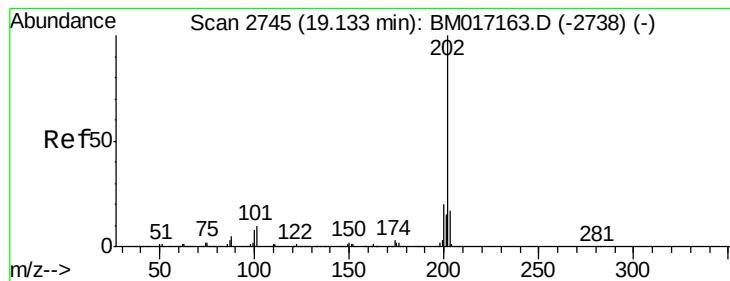


#74  
 Di-n-butylphthalate  
 Concen: 0.736 ng  
 RT: 18.04 min Scan# 2559  
 Delta R.T. -0.00 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

Tgt Ion:149 Resp: 44786  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.4 11.0  
 104 5.7 4.3 6.5







#75

Fluoranthene

Concen: 1.001 ng

RT: 19.13 min Scan# 2744

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

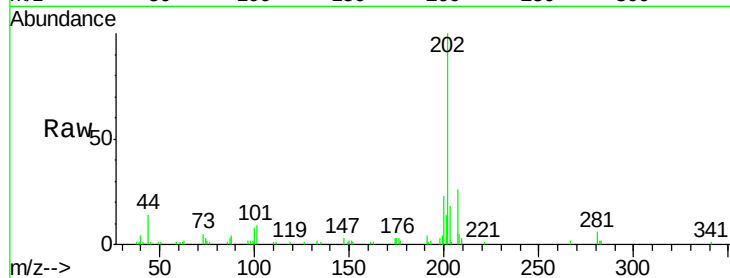
Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

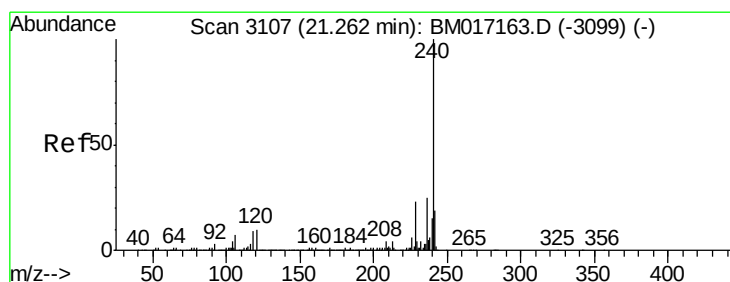
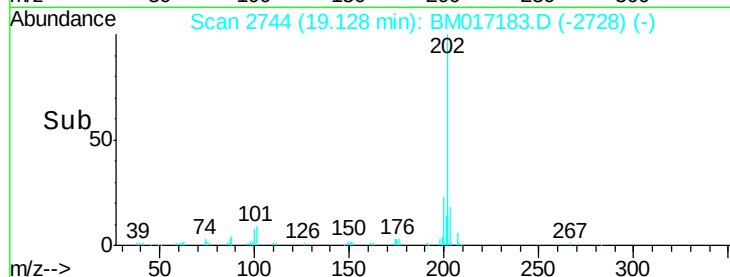
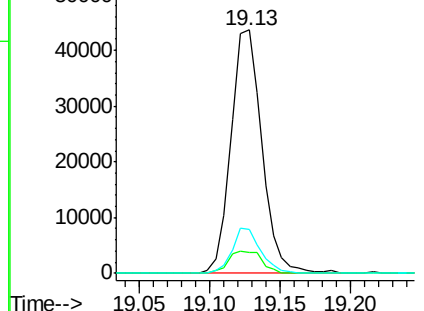
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 66902 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 8.5   | 0.0   | 30.0  |
| 203       | 17.9  | 0.0   | 37.2  |



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



#76

Chrysene-d12

Concen: 20.000 ng

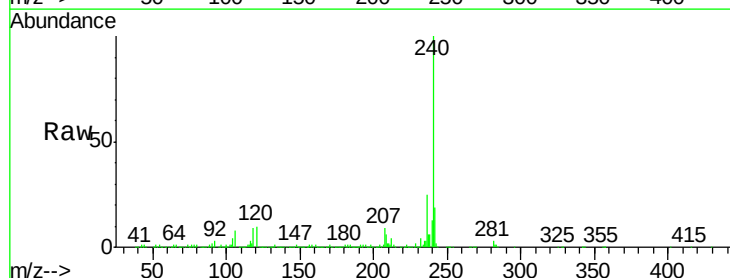
RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

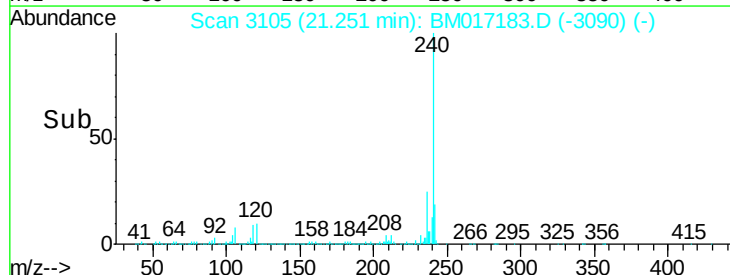
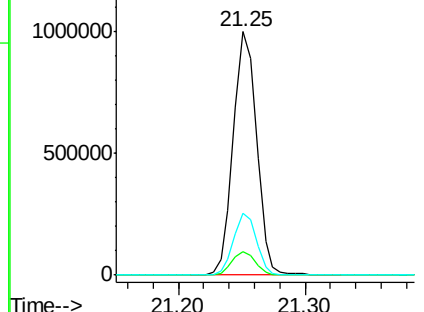
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 240   | Resp: | 1273902 |
| Ion Ratio | Lower | Upper |         |
| 240       | 100   |       |         |
| 120       | 9.6   | 8.1   | 12.1    |
| 236       | 25.2  | 19.9  | 29.9    |

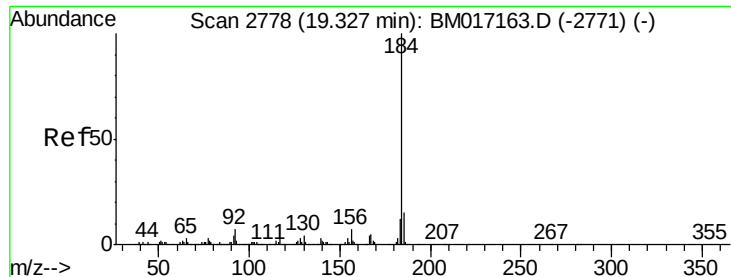


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.374 ng

RT: 19.33 min Scan# 2778

Delta R.T. 0.00 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

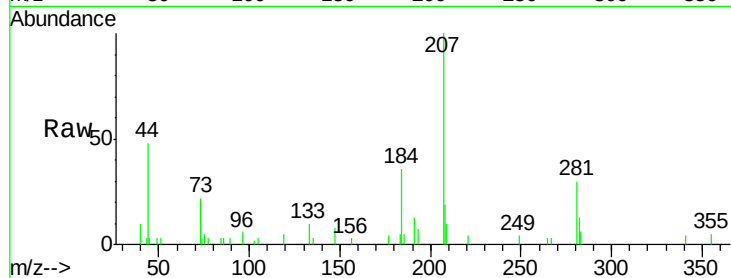
Tgt Ion:184 Resp: 12094

Ion Ratio Lower Upper

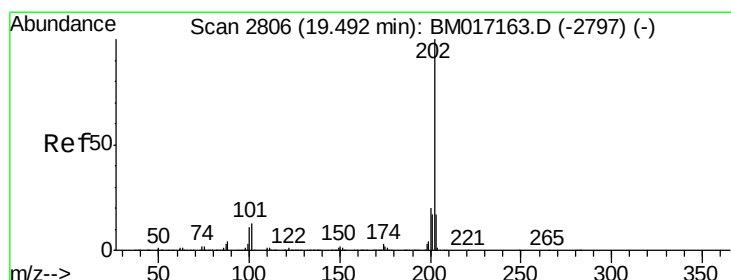
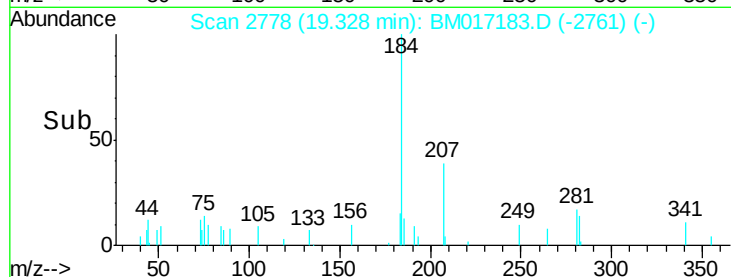
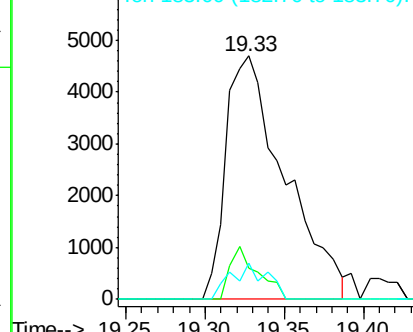
184 100

185 12.6 11.8 17.8

183 14.9 9.7 14.5#



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.969 ng

RT: 19.49 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

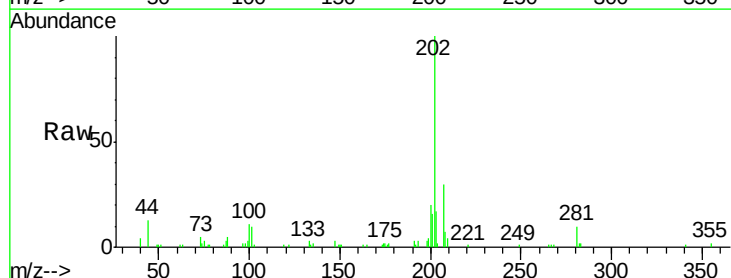
Tgt Ion:202 Resp: 69025

Ion Ratio Lower Upper

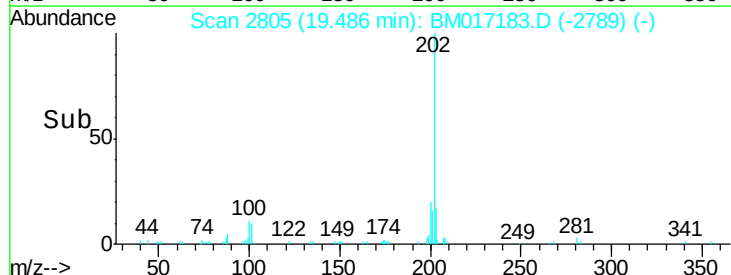
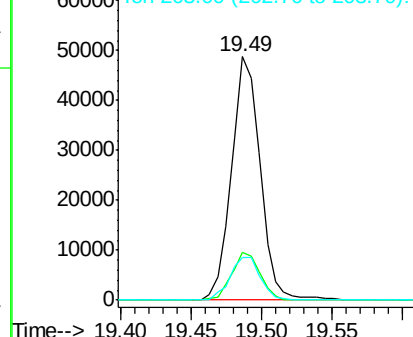
202 100

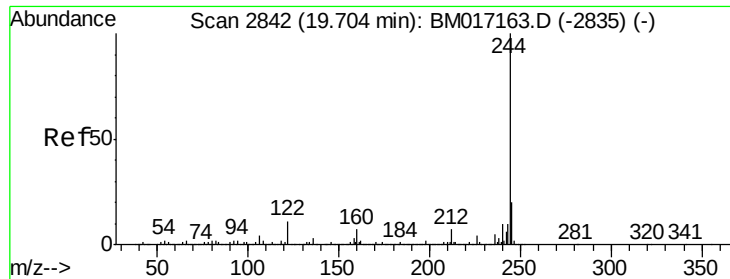
200 19.6 16.3 24.5

203 17.4 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

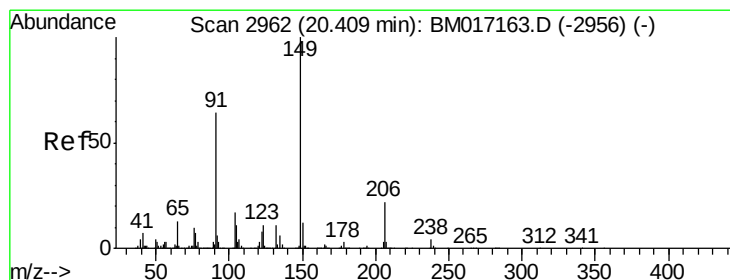
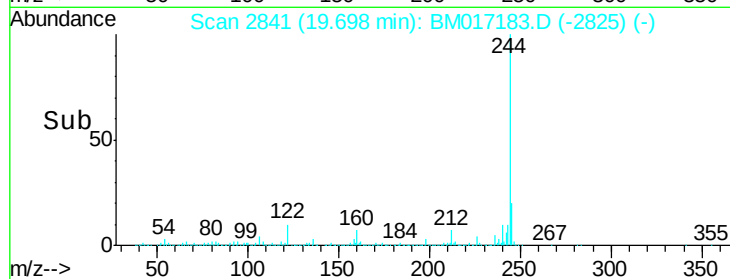
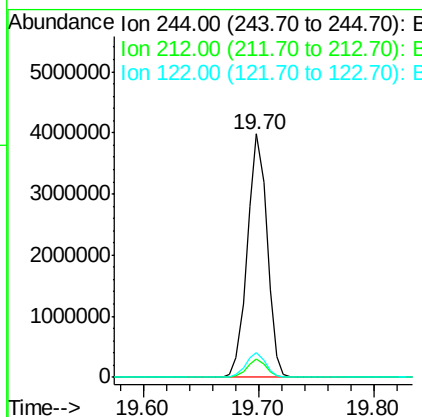
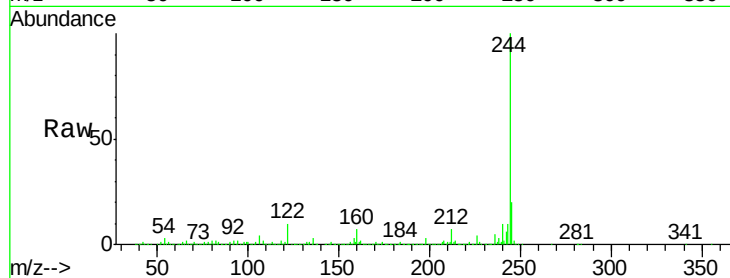




#79  
 Terphenyl-d14  
 Concen: 83.953 ng  
 RT: 19.70 min Scan# 2841  
 Delta R.T. -0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

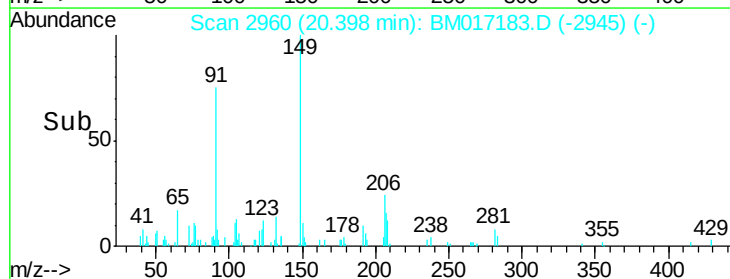
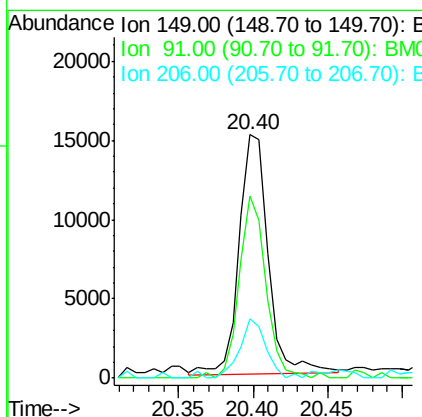
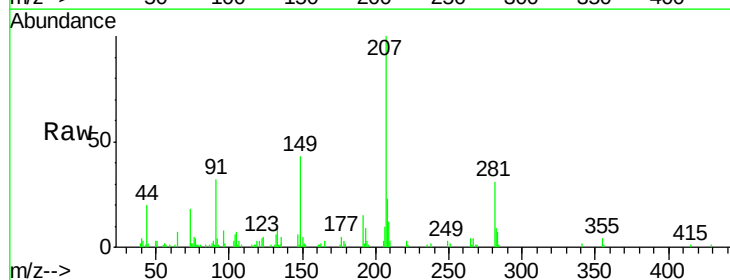
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2018

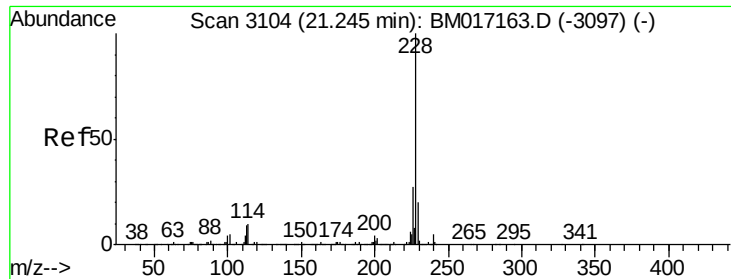
Tgt Ion:244 Resp: 4744812  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.5 8.3  
 122 10.3 8.4 12.6



#80  
 Butylbenzylphthalate  
 Concen: 7.829 ng  
 RT: 20.40 min Scan# 2960  
 Delta R.T. -0.01 min  
 Lab File: BM017183.D  
 Acq: 18 Oct 2018 09:10

Tgt Ion:149 Resp: 20794  
 Ion Ratio Lower Upper  
 149 100  
 91 75.0 51.3 76.9  
 206 24.4 18.0 27.0

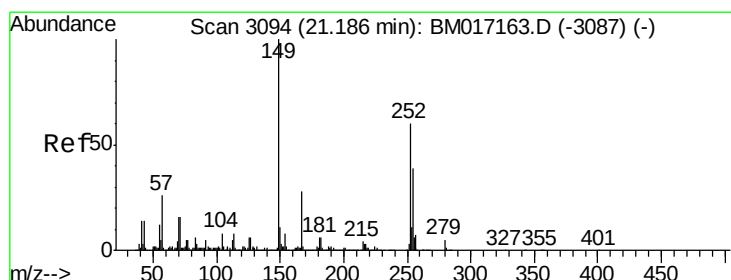
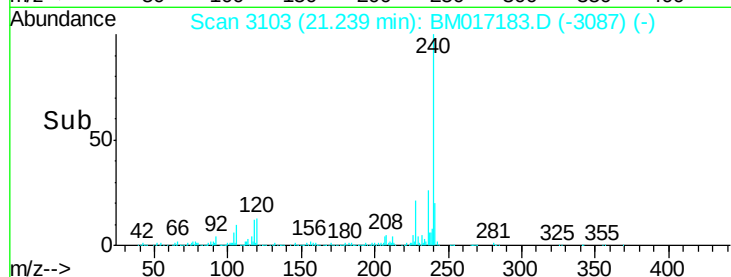
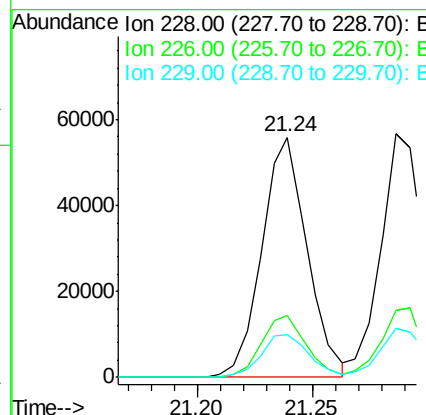
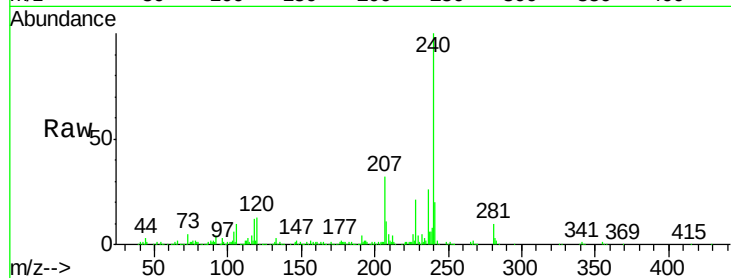




#81  
Benzo(a)anthracene  
Concen: 1.058 ng  
RT: 21.24 min Scan# 3103  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

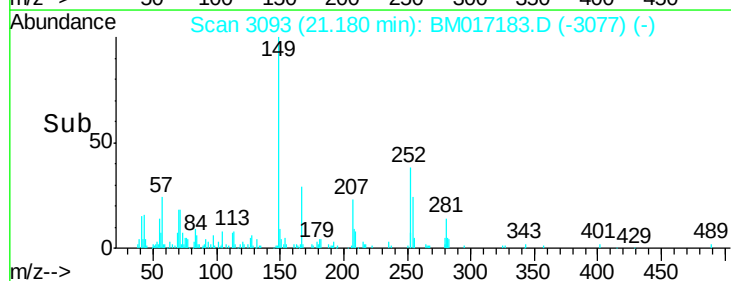
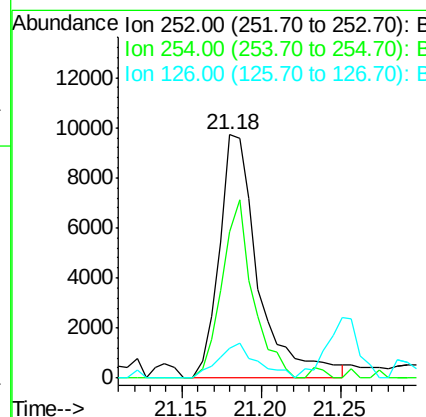
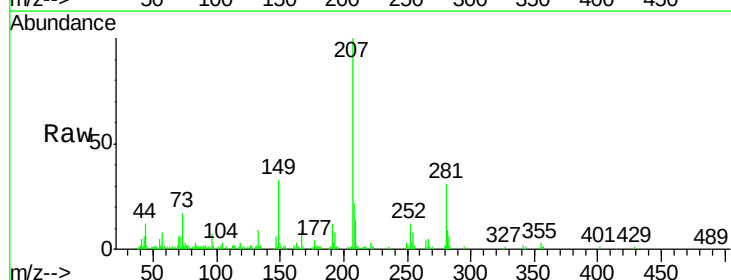
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

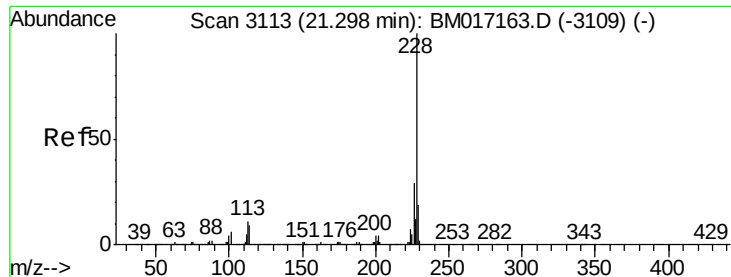
Tgt Ion:228 Resp: 75843  
Ion Ratio Lower Upper  
228 100  
226 25.6 21.4 32.0  
229 17.9 15.9 23.9



#82  
3,3'-Dichlorobenzidine  
Concen: 0.625 ng  
RT: 21.18 min Scan# 3093  
Delta R.T. -0.00 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Tgt Ion:252 Resp: 16686  
Ion Ratio Lower Upper  
252 100  
254 60.3 52.1 78.1  
126 12.5 8.6 12.8

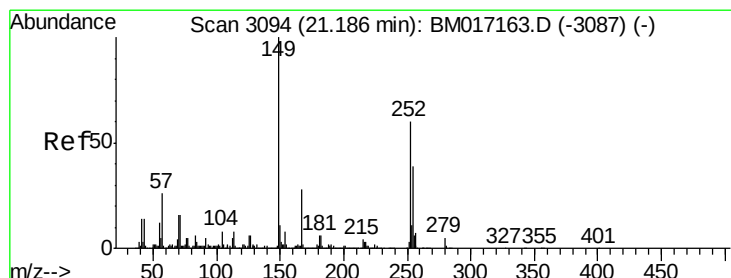
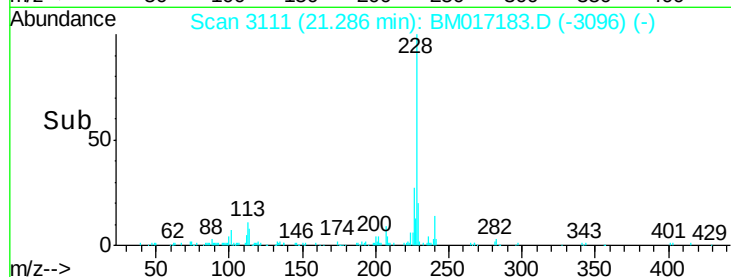
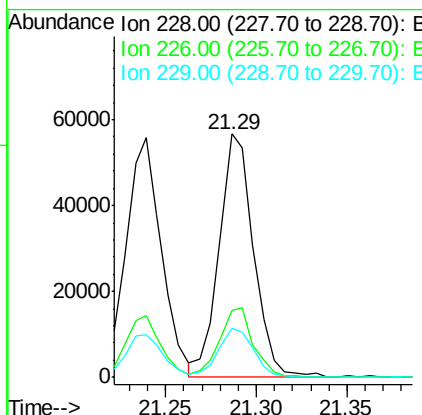
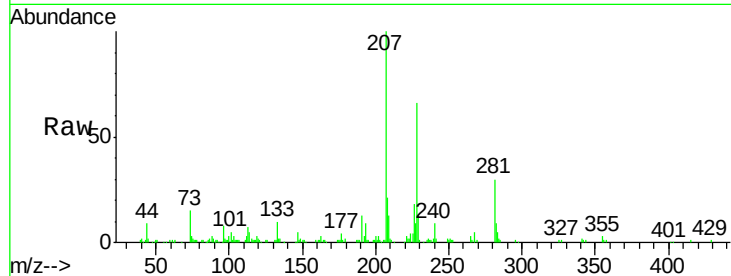




#83  
Chrysene  
Concen: 1.057 ng  
RT: 21.29 min Scan# 3111  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

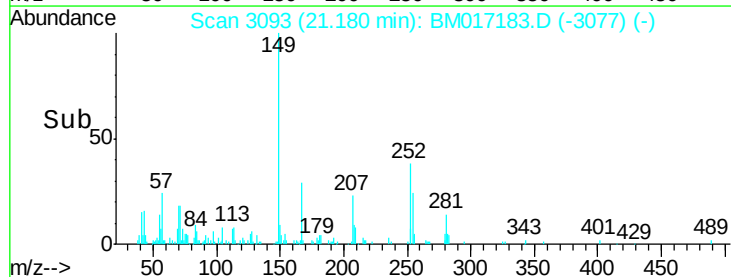
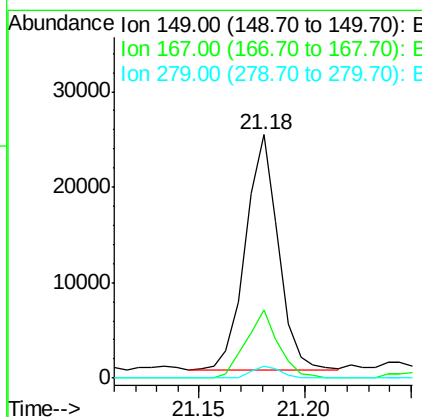
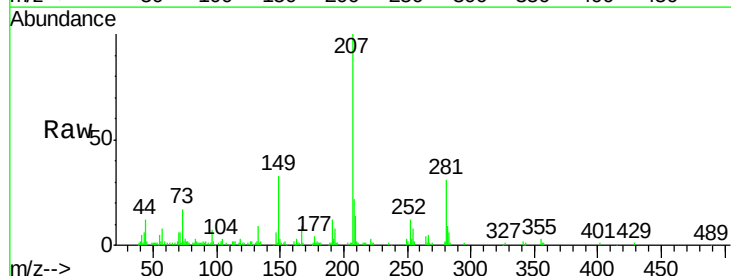
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

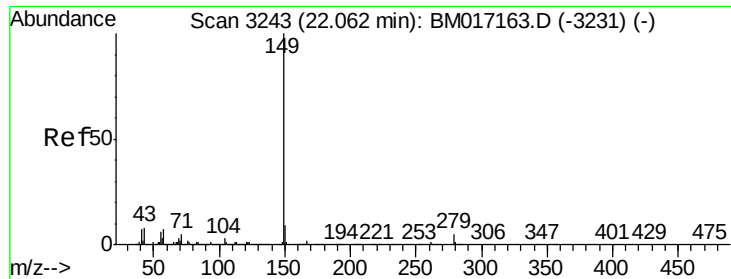
Tgt Ion: 228 Resp: 75033  
Ion Ratio Lower Upper  
228 100  
226 27.3 23.3 34.9  
229 20.3 15.6 23.4



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 5.878 ng  
RT: 21.18 min Scan# 3093  
Delta R.T. -0.00 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Tgt Ion: 149 Resp: 26585  
Ion Ratio Lower Upper  
149 100  
167 28.0 22.2 33.4  
279 5.0 3.6 5.4

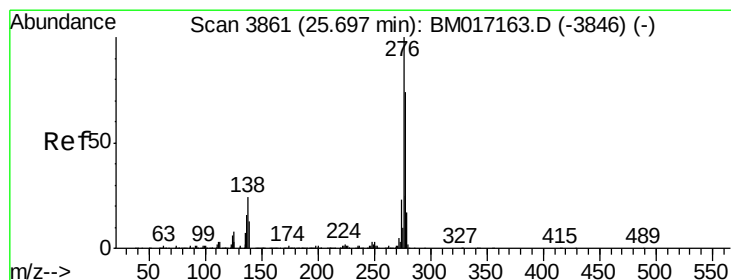
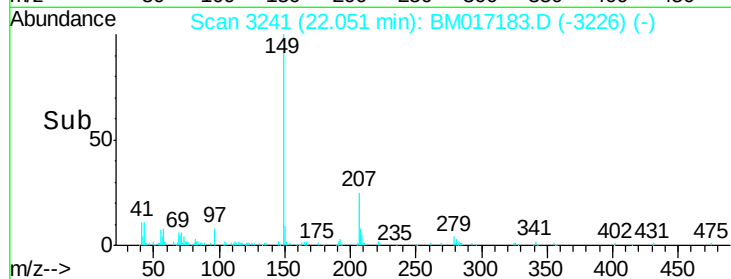
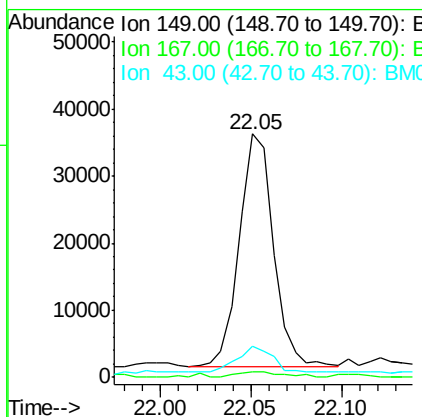
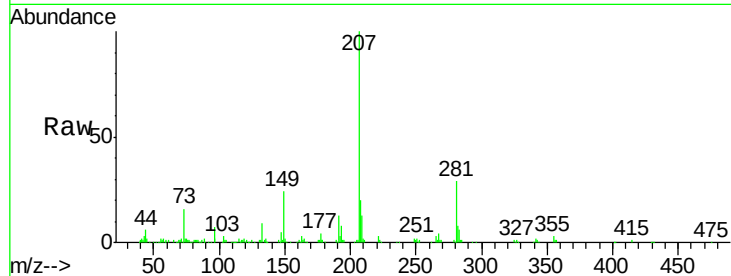




#85  
Di-n-octyl phthalate  
Concen: 6.150 ng  
RT: 22.05 min Scan# 3241  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

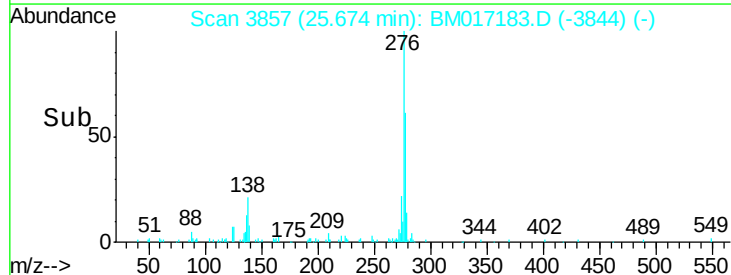
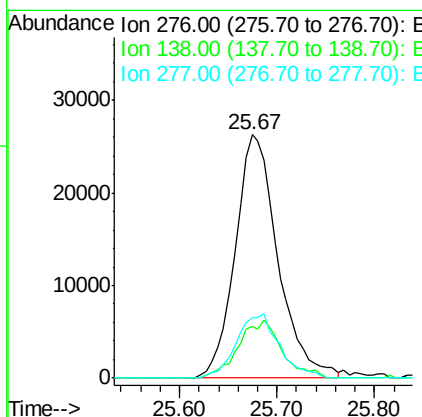
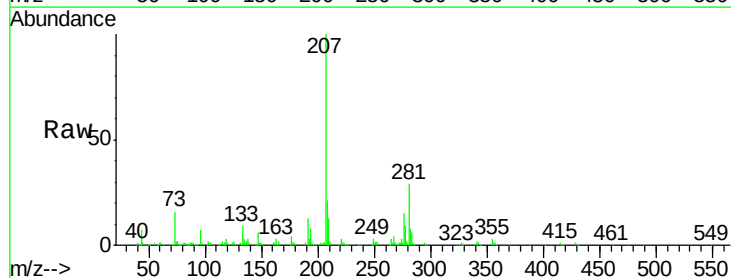
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

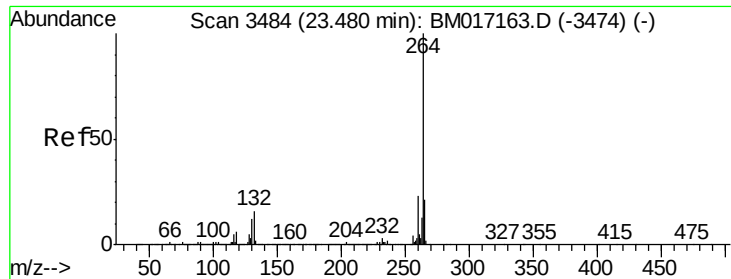
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 3.2   | 1.4   | 2.0#  |
| 43      | 13.9  | 7.2   | 10.8# |



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 1.008 ng  
RT: 25.67 min Scan# 3857  
Delta R.T. -0.02 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.2  | 19.5  | 29.3  |
| 277     | 26.7  | 20.1  | 30.1  |





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.47 min Scan# 3482

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

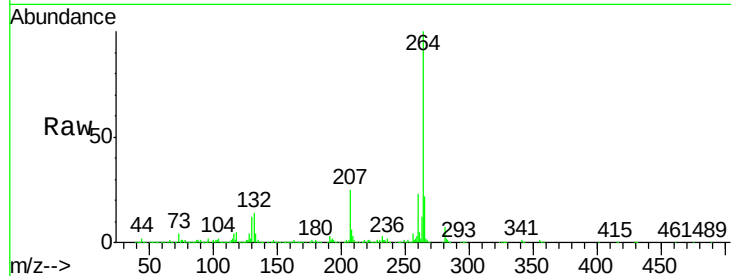
Tgt Ion:264 Resp: 1292315

Ion Ratio Lower Upper

264 100

260 22.8 18.6 27.8

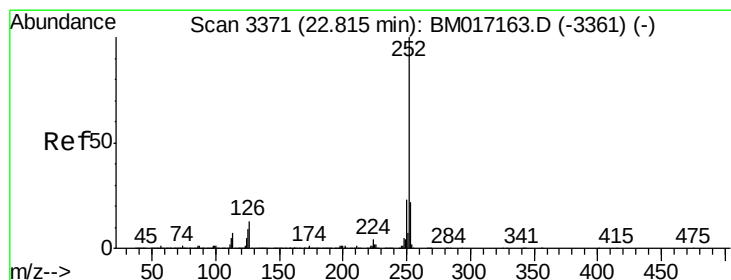
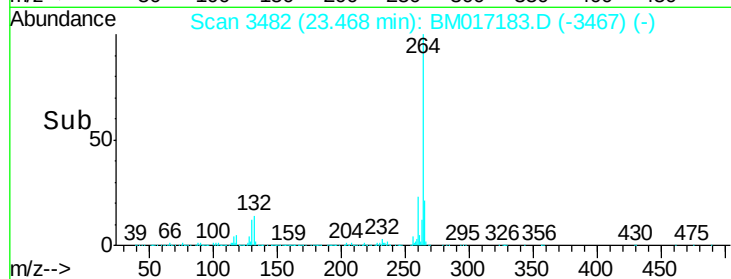
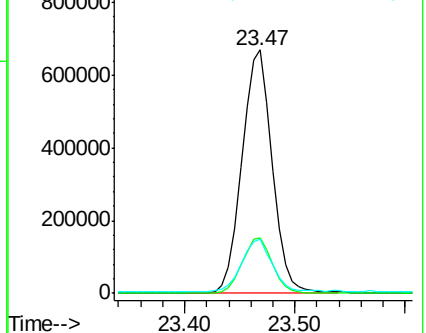
265 22.0 17.8 26.8



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



#88

Benzo(b)fluoranthene

Concen: 1.060 ng

RT: 22.80 min Scan# 3369

Delta R.T. -0.01 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

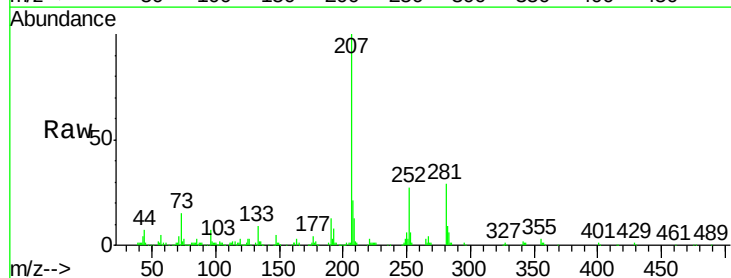
Tgt Ion:252 Resp: 74915

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

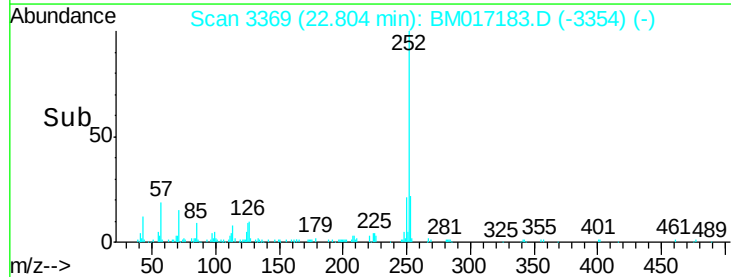
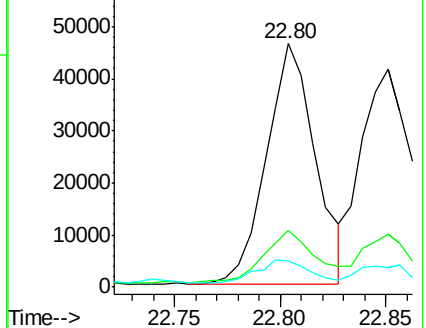
125 10.5 7.5 11.3

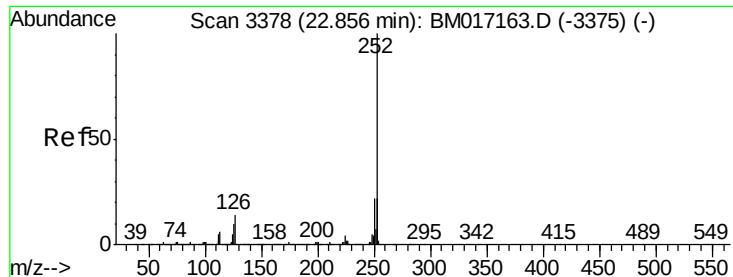


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

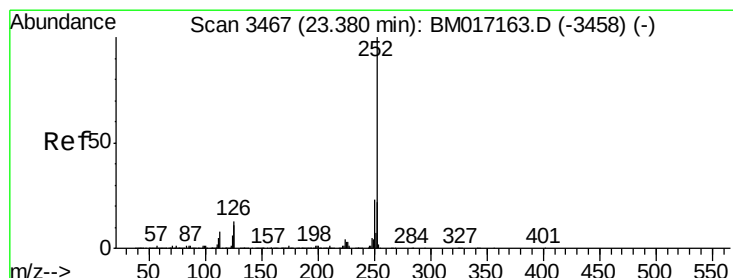
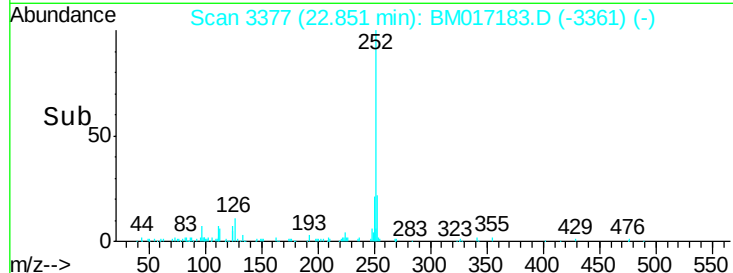
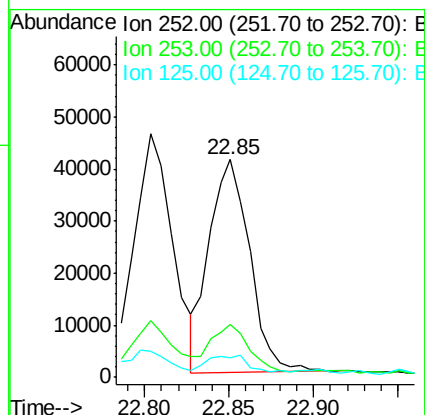
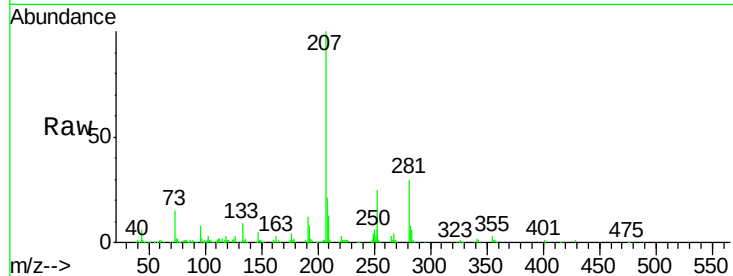




#89  
Benzo(k)fluoranthene  
Concen: 0.965 ng  
RT: 22.85 min Scan# 3377  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

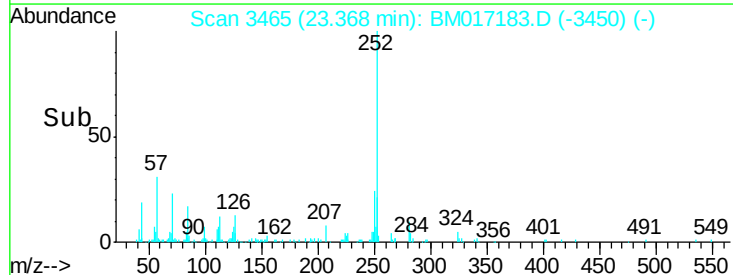
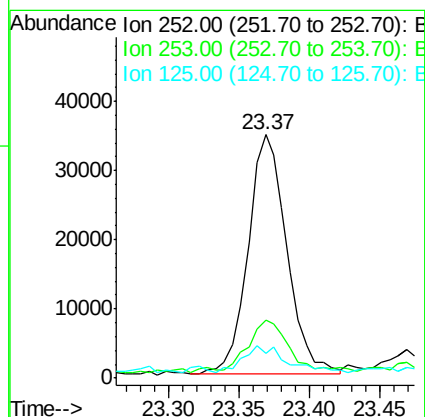
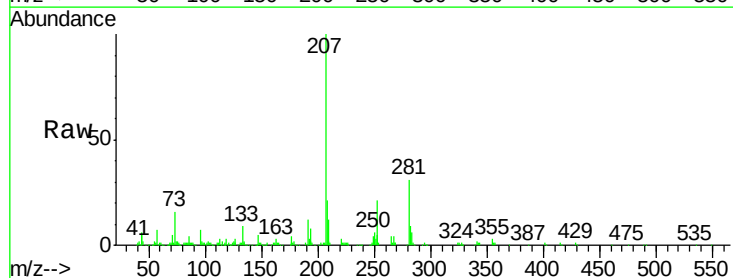
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:252 Resp: 68451  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.5 26.3  
125 8.9 8.2 12.2

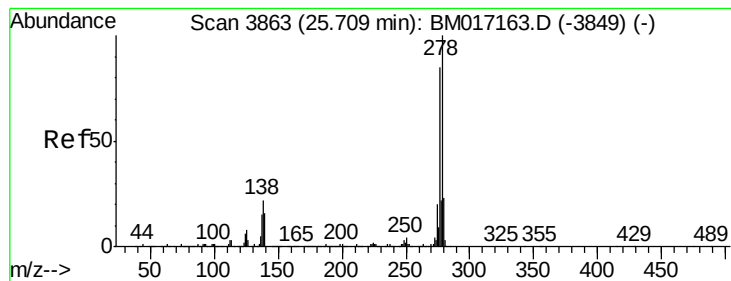


#90  
Benzo(a)pyrene  
Concen: 0.998 ng  
RT: 23.37 min Scan# 3465  
Delta R.T. -0.01 min  
Lab File: BM017183.D  
Acq: 18 Oct 2018 09:10

Tgt Ion:252 Resp: 66929  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.4 26.0  
125 10.3 8.6 13.0







#91

Dibenzo(a,h)anthracene

Concen: 1.024 ng

RT: 25.69 min Scan# 3860

Delta R.T. -0.02 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

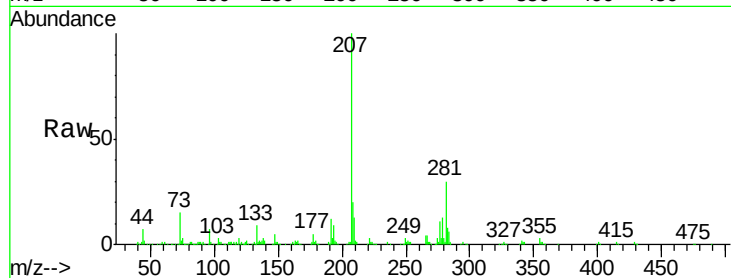
Tgt Ion:278 Resp: 68212

Ion Ratio Lower Upper

278 100

139 14.3 12.7 19.1

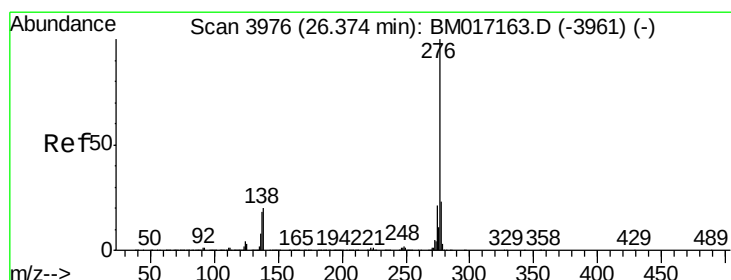
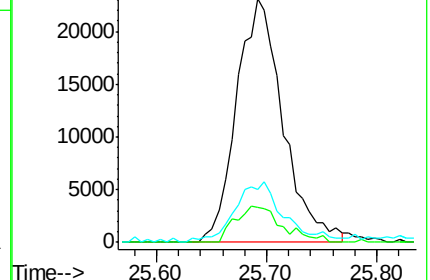
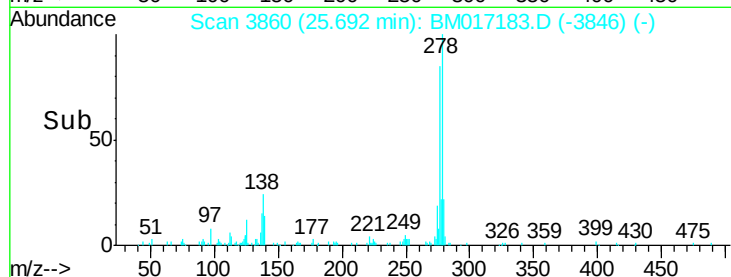
279 21.8 18.7 28.1



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



#92

Benzo(g,h,i)perylene

Concen: 1.050 ng

RT: 26.36 min Scan# 3973

Delta R.T. -0.02 min

Lab File: BM017183.D

Acq: 18 Oct 2018 09:10

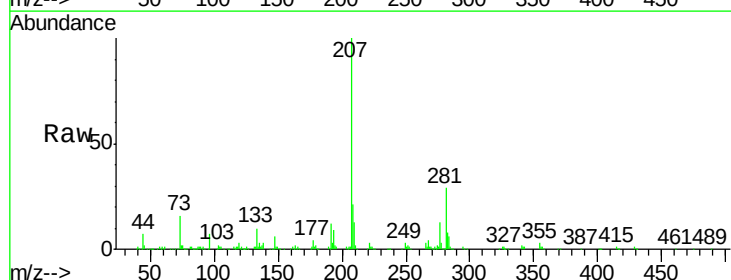
Tgt Ion:276 Resp: 69352

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 20.6 16.4 24.6



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

