

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM041519\  
 Data File : BM019918.D  
 Acq On : 15 Apr 2019 17:58  
 Operator : JU/SJ  
 Sample : K1560-01  
 Misc : LOD 8PPM  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019

Manual Integrations  
 APPROVED

Sohil  
 4/16/2019 5:25:44 PM

Quant Time: Apr 16 03:29:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 15 16:16:29 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.53  | 152  | 109813   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.31 | 136  | 477585   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.20 | 164  | 294454   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.96 | 188  | 645915   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.18 | 240  | 626694   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.37 | 264  | 592521   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.14  | 112 | 872137  | 128.71 | ng | 0.00 |
| 7) Phenol-d6             | 6.73  | 99  | 1237648 | 121.37 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.70  | 82  | 929873  | 87.07  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.71 | 330 | 643609  | 135.79 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.80 | 172 | 2058902 | 87.14  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.61 | 244 | 3303173 | 92.97  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.12  | 88  | 22158  | 7.578 | ng | 99     |
| 3) Pyridine                    | 3.56  | 79  | 53107  | 6.485 | ng | # 93   |
| 4) n-Nitrosodimethylamine      | 3.48  | 42  | 14867  | 5.636 | ng | # 91   |
| 6) Aniline                     | 6.89  | 93  | 94663  | 7.187 | ng | 97     |
| 8) 2-Chlorophenol              | 7.10  | 128 | 62710  | 7.441 | ng | 96     |
| 9) Benzaldehyde                | 6.71  | 77  | 59450  | 7.748 | ng | 97     |
| 10) Phenol                     | 6.75  | 94  | 81076  | 7.277 | ng | 89     |
| 11) bis(2-Chloroethyl)ether    | 6.99  | 93  | 57242  | 7.022 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.42  | 146 | 66416  | 7.507 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 7.57  | 146 | 67961  | 7.571 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.87  | 146 | 67148  | 7.544 | ng | 97     |
| 15) Benzyl Alcohol             | 7.80  | 79  | 75950m | 8.193 | ng |        |
| 16) 2,2'-oxybis(1-Chloropropan | 8.06  | 45  | 59068  | 7.601 | ng | 96     |
| 17) 2-Methylphenol             | 7.99  | 107 | 52473  | 7.116 | ng | 98     |
| 18) Hexachloroethane           | 8.57  | 117 | 25223  | 7.229 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 8.35  | 70  | 61299  | 6.838 | ng | 96     |
| 20) 3+4-Methylphenols          | 8.33  | 107 | 63136  | 6.233 | ng | 98     |
| 22) Acetophenone               | 8.37  | 105 | 100812 | 7.750 | ng | # 99   |
| 24) Nitrobenzene               | 8.75  | 77  | 86748  | 7.841 | ng | 96     |
| 25) Isophorone                 | 9.26  | 82  | 160000 | 7.697 | ng | 99     |
| 26) 2-Nitrophenol              | 9.46  | 139 | 31482  | 6.678 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.52  | 122 | 47931  | 7.191 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.76  | 93  | 86441  | 7.426 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.01 | 162 | 50410  | 6.659 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.17 | 180 | 64145  | 7.872 | ng | 95     |
| 31) Naphthalene                | 10.36 | 128 | 206935 | 8.078 | ng | 98     |
| 32) Benzoic acid               | 9.66  | 122 | 22602  | 8.293 | ng | 95     |
| 33) 4-Chloroaniline            | 10.52 | 127 | 72823  | 6.901 | ng | 98     |
| 34) Hexachlorobutadiene        | 10.61 | 225 | 38011  | 7.910 | ng | 96     |
| 35) Caprolactam                | 11.35 | 113 | 19703m | 6.876 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.65 | 107 | 68140  | 7.244 | ng | 96     |
| 37) 2-Methylnaphthalene        | 11.99 | 142 | 147514 | 7.910 | ng | 98     |
| 38) 1-Methylnaphthalene        | 12.21 | 142 | 148373 | 8.058 | ng | 97     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.36 | 216 | 70397  | 7.750 | ng | 100    |

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 Acq On : 15 Apr 2019 17:58  
 Operator : JU/SJ  
 Sample : K1560-01  
 Misc : LOD 8PPM  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019

Manual Integrations  
 APPROVED

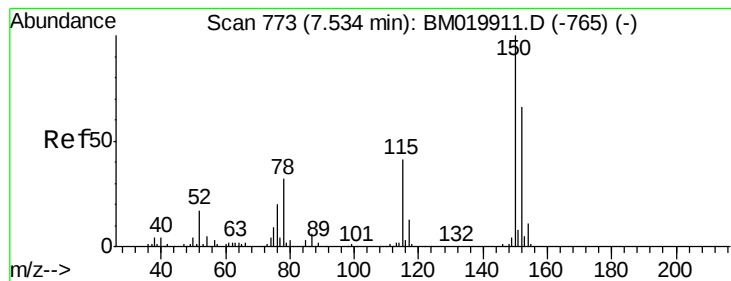
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 4/16/2019 5:25:44 PM

Quant Time: Apr 16 03:29:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 15 16:16:29 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.32 | 237  | 3886     | 12.696 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.63 | 196  | 44273    | 7.189  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.72 | 196  | 42033    | 6.558  | ng    | 94       |
| 46) 1,1'-Biphenyl              | 13.02 | 154  | 201730   | 7.910  | ng    | 98       |
| 47) 2-Chloronaphthalene        | 13.06 | 162  | 151845   | 7.806  | ng    | 99       |
| 48) 2-Nitroaniline             | 13.32 | 65   | 45817    | 6.534  | ng    | 97       |
| 49) Acenaphthylene             | 13.92 | 152  | 256655   | 7.583  | ng    | 99       |
| 50) Dimethylphthalate          | 13.67 | 163  | 204663   | 7.880  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.81 | 165  | 41721    | 7.264  | ng    | 86       |
| 52) Acenaphthene               | 14.26 | 154  | 147948   | 7.883  | ng    | 96       |
| 53) 3-Nitroaniline             | 14.16 | 138  | 36111    | 6.297  | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 14.41 | 184  | 8870     | 9.823  | ng    | 89       |
| 55) Dibenzofuran               | 14.60 | 168  | 240093   | 7.823  | ng    | 99       |
| 56) 4-Nitrophenol              | 14.53 | 139  | 13557    | 8.636  | ng    | 95       |
| 57) 2,4-Dinitrotoluene         | 14.62 | 165  | 56748    | 6.874  | ng    | # 98     |
| 58) Fluorene                   | 15.26 | 166  | 194227   | 7.469  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.84 | 232  | 42603    | 7.284  | ng    | 99       |
| 60) Diethylphthalate           | 15.04 | 149  | 208327   | 7.712  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.25 | 204  | 94093    | 7.515  | ng    | 92       |
| 62) 4-Nitroaniline             | 15.34 | 138  | 34050m   | 6.026  | ng    |          |
| 63) Azobenzene                 | 15.55 | 77   | 221676   | 7.678  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.40 | 198  | 21530    | 5.224  | ng    | 94       |
| 66) n-Nitrosodiphenylamine     | 15.48 | 169  | 163475   | 7.742  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 16.15 | 248  | 56910    | 7.663  | ng    | 94       |
| 68) Hexachlorobenzene          | 16.26 | 284  | 67898    | 7.620  | ng    | 98       |
| 69) Atrazine                   | 16.44 | 200  | 57005    | 7.952  | ng    | 96       |
| 70) Pentachlorophenol          | 16.63 | 266  | 26118    | 5.737  | ng    | 89       |
| 71) Phenanthrene               | 17.00 | 178  | 302070   | 7.881  | ng    | 99       |
| 72) Anthracene                 | 17.10 | 178  | 285278   | 7.477  | ng    | 99       |
| 73) Carbazole                  | 17.39 | 167  | 257457   | 7.227  | ng    | 98       |
| 74) Di-n-butylphthalate        | 17.93 | 149  | 326262   | 6.974  | ng    | 99       |
| 75) Fluoranthene               | 19.04 | 202  | 328149   | 7.439  | ng    | 99       |
| 77) Benzidine                  | 19.26 | 184  | 103295   | 5.974  | ng    | 99       |
| 78) Pyrene                     | 19.40 | 202  | 341407   | 8.226  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.31 | 149  | 143131   | 7.114  | ng    | 98       |
| 81) Benzo(a)anthracene         | 21.16 | 228  | 312491   | 7.871  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.11 | 252  | 111565   | 7.553  | ng    | 99       |
| 83) Chrysene                   | 21.22 | 228  | 303574   | 7.974  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.07 | 149  | 203148   | 6.782  | ng    | 100      |
| 85) Di-n-octyl phthalate       | 21.94 | 149  | 334758   | 6.887  | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.59 | 276  | 318063   | 8.492  | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 22.71 | 252  | 290668   | 7.388  | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 22.76 | 252  | 276727   | 7.471  | ng    | 97       |
| 90) Benzo(a)pyrene             | 23.28 | 252  | 269104   | 7.719  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.59 | 278  | 260434   | 7.749  | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.27 | 276  | 250589   | 8.232  | ng    | 98       |

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





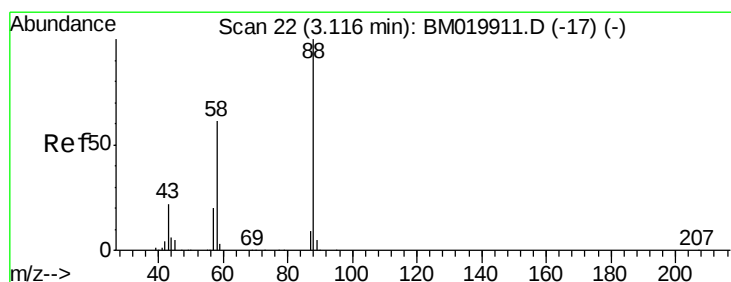
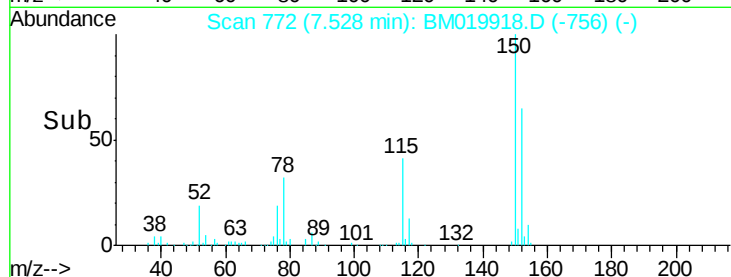
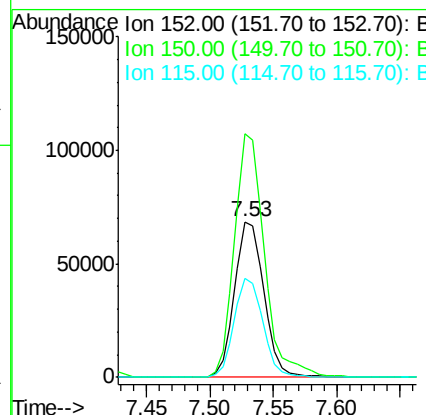
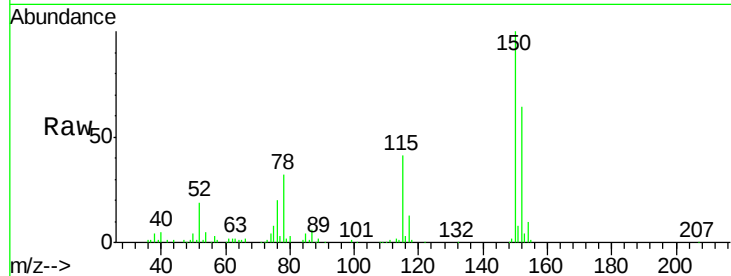
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 Concen: 20.000 ng  
 RT: 7.53 min Scan# 772  
 Delta R.T. -0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 109813 |       |       |
| 150     | 156.6 | 122.1  | 183.1 |       |
| 115     | 63.5  | 50.0   | 75.0  |       |

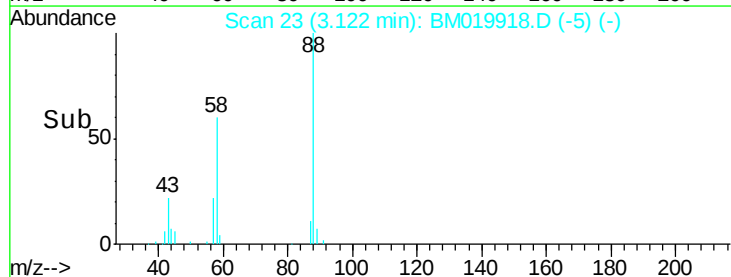
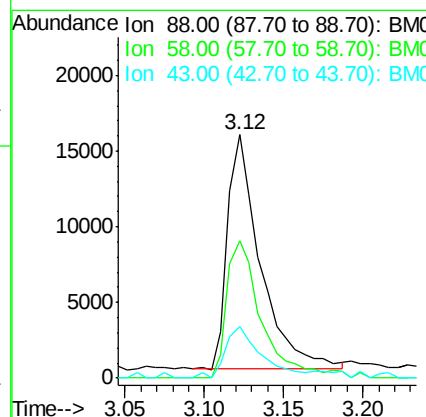
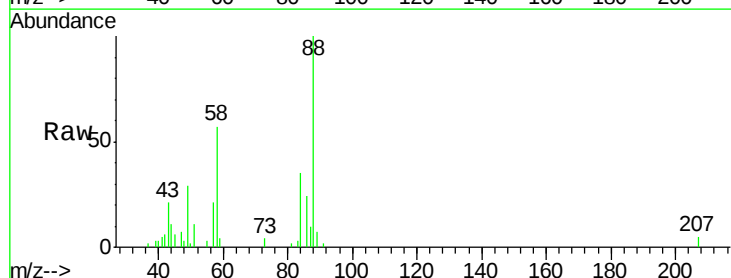
Manual Integrations  
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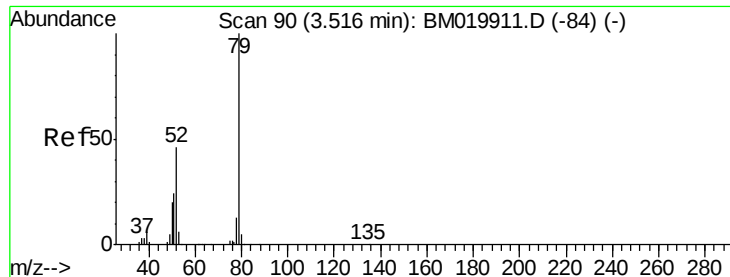
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#2  
 1,4-Dioxane  
 Concen: 7.578 ng  
 RT: 3.12 min Scan# 23  
 Delta R.T. 0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 88      | 100   | 22158 |       |       |
| 58      | 62.5  | 49.6  | 74.4  |       |
| 43      | 24.1  | 18.6  | 27.8  |       |





#3

Pyridine

Concen: 6.485 ng

RT: 3.56 min Scan# 98

Delta R.T. 0.05 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

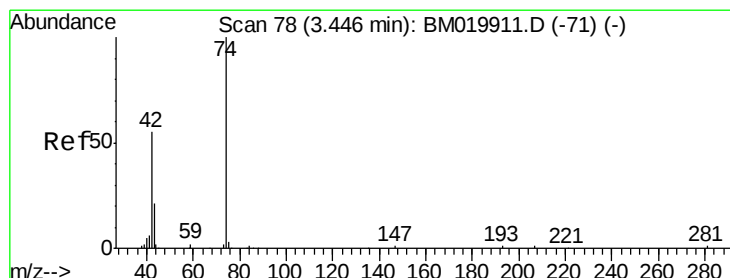
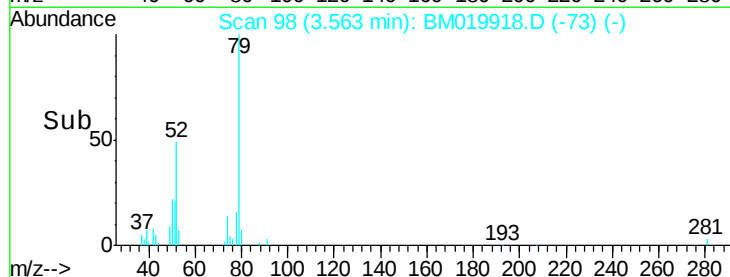
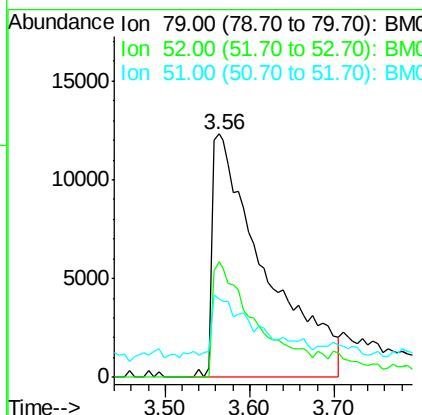
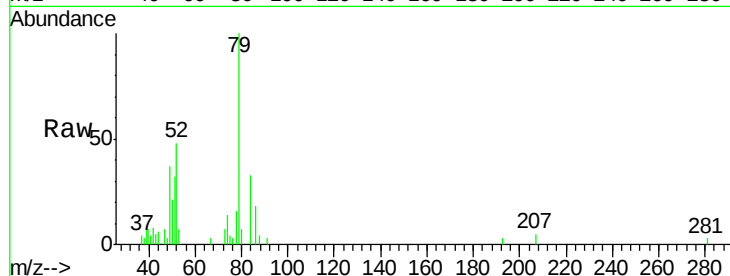
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 79    | Resp: | 53107 |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 52        | 47.6  | 36.9  | 55.3  |
| 51        | 32.3  | 20.0  | 30.0# |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 5.636 ng

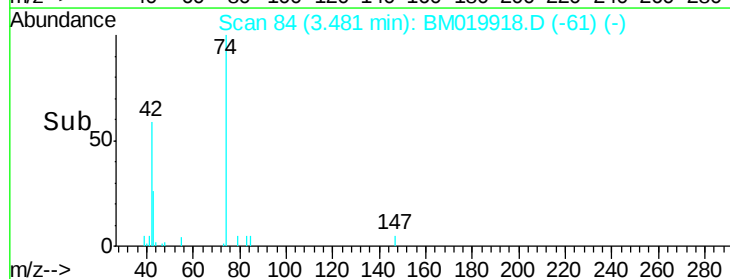
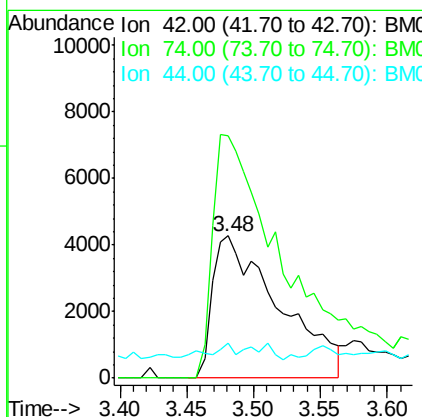
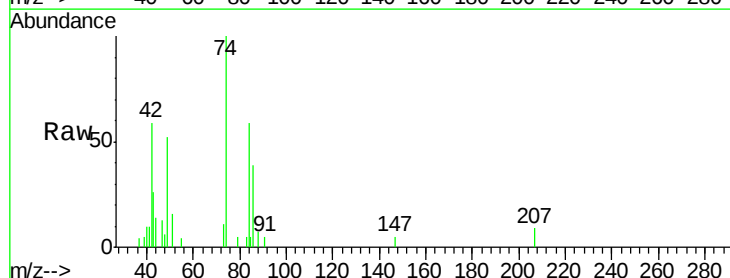
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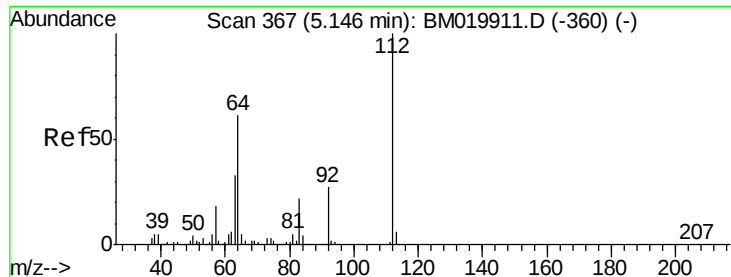
Delta R.T. 0.04 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 14867 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 170.7 | 144.6 | 217.0 |
| 44        | 24.2  | 5.4   | 8.2#  |





#5

2-Fluorophenol

Concen: 128.712 ng

RT: 5.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

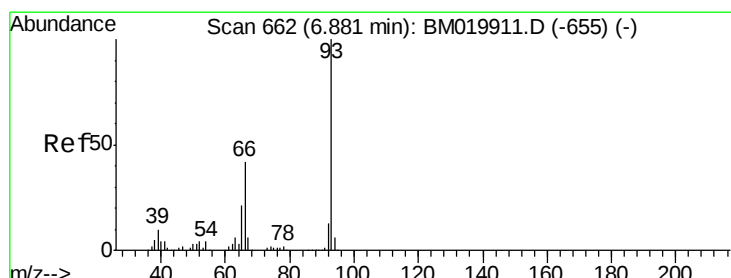
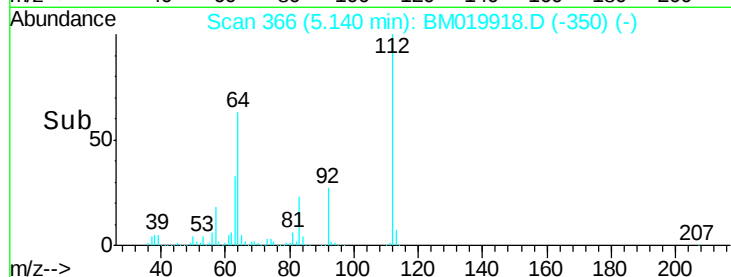
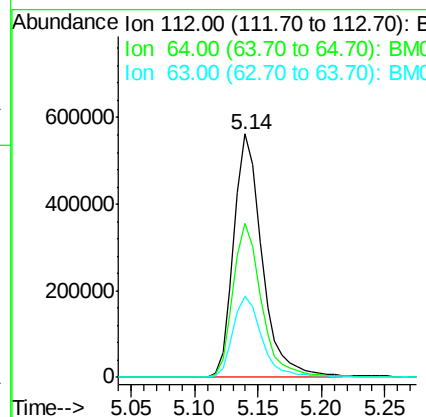
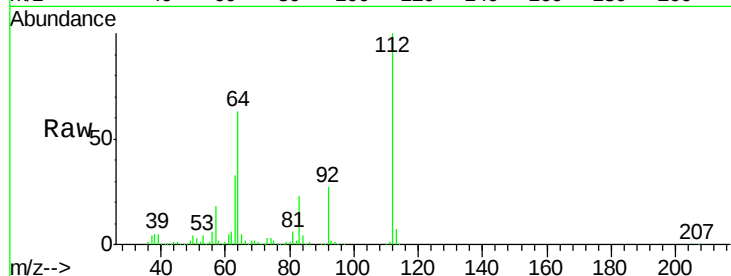
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 112  | Resp: | 872137 |
| Ion Ratio |      | Lower | Upper  |
| 112       | 100  |       |        |
| 64        | 63.1 | 49.1  | 73.7   |
| 63        | 33.4 | 26.5  | 39.7   |

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#6

Aniline

Concen: 7.187 ng

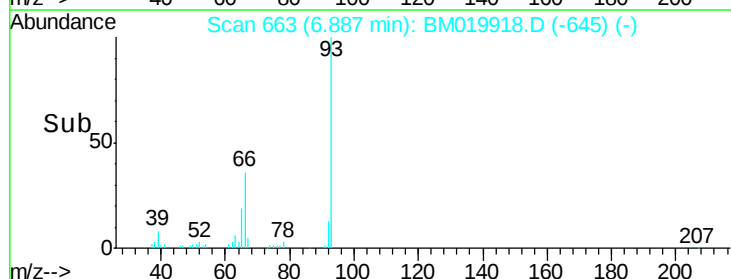
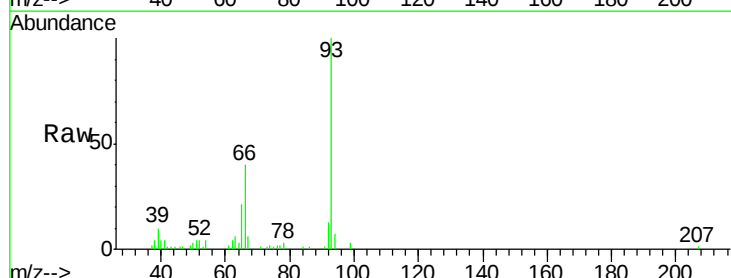
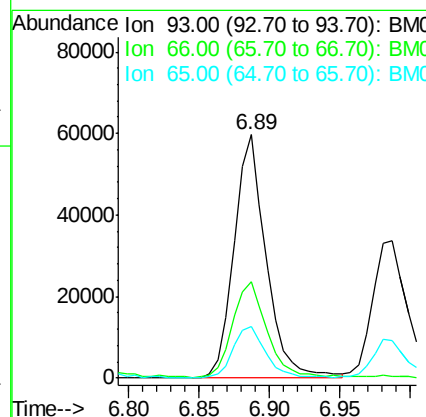
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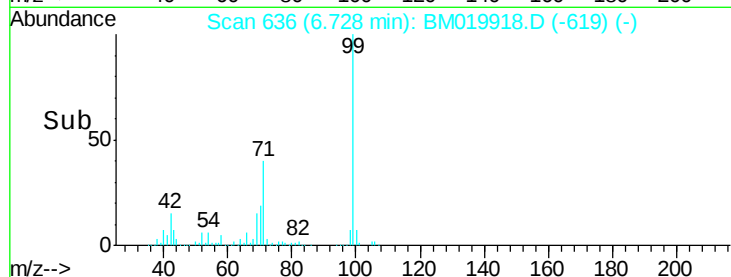
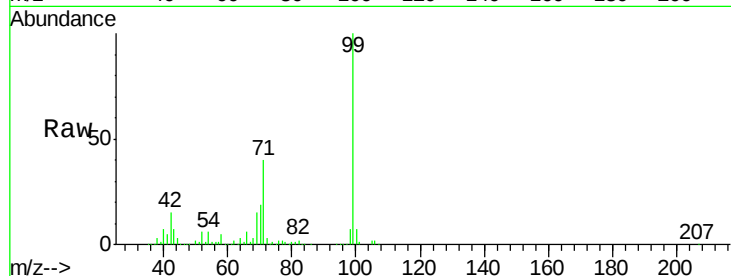
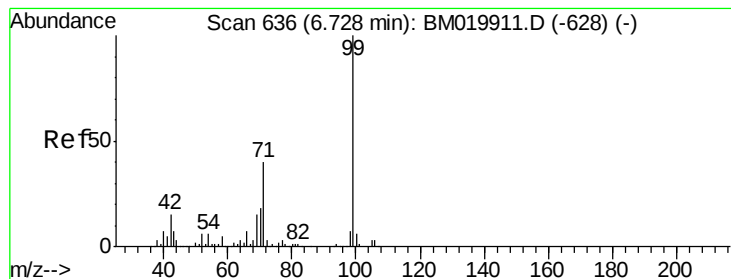
Delta R.T. 0.01 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 93   | Resp: | 94663 |
| Ion Ratio |      | Lower | Upper |
| 93        | 100  |       |       |
| 66        | 39.6 | 33.9  | 50.9  |
| 65        | 21.0 | 17.0  | 25.6  |





#7

Phenol-d6

Concen: 121.367 ng

RT: 6.73 min Scan# 636

Delta R.T. -0.00 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 99    | Resp: | 1237648 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 14.9  | 11.8  | 17.8    |
| 71       | 40.3  | 32.0  | 48.0    |

Instrument :

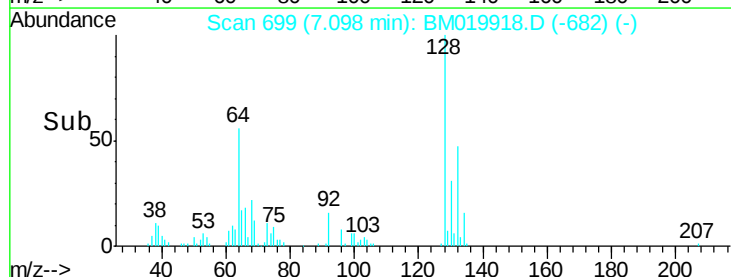
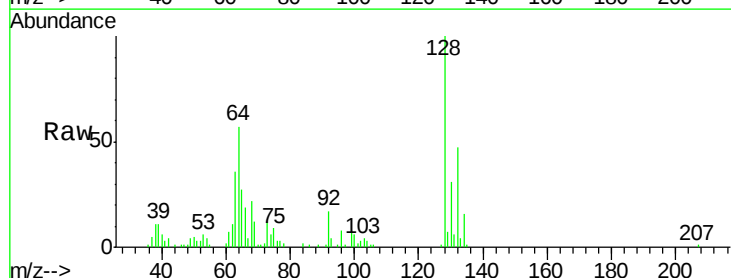
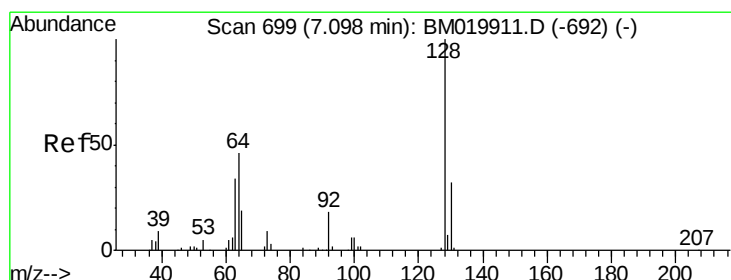
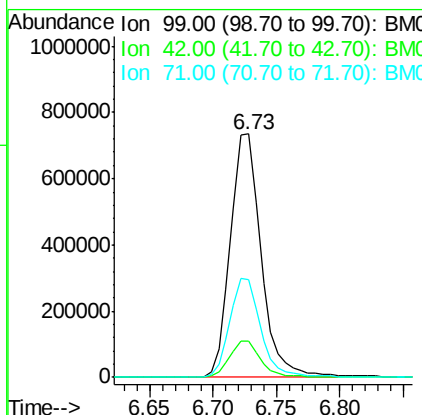
BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Manual Integrations  
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#8

2-Chlorophenol

Concen: 7.441 ng

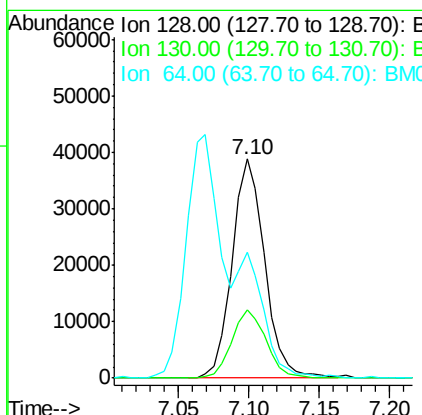
RT: 7.10 min Scan# 699

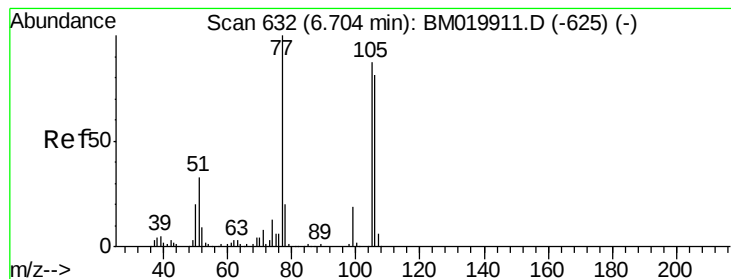
Delta R.T. -0.00 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 62710 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 130      | 31.2  | 12.0  | 52.0  |
| 64       | 57.3  | 33.0  | 73.0  |





#9

Benzaldehyde

Concen: 7.748 ng

RT: 6.71 min Scan# 633

Delta R.T. 0.01 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

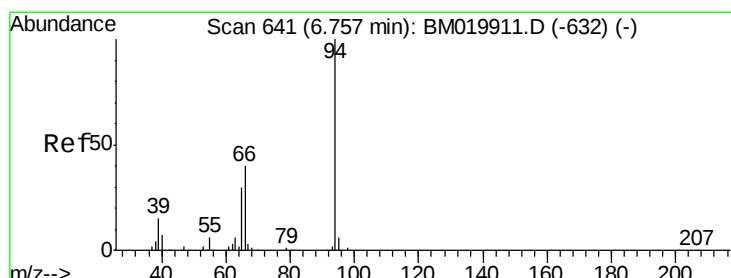
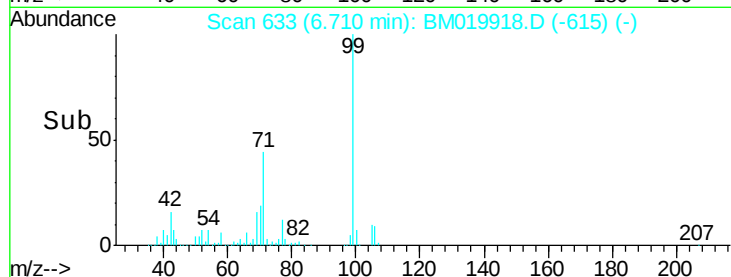
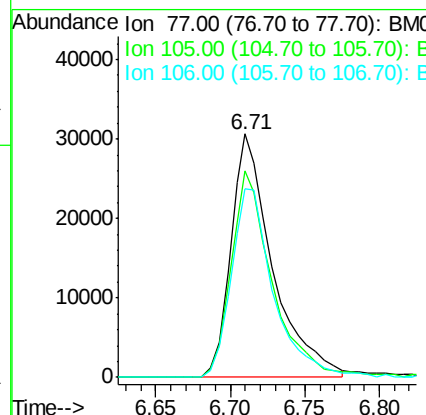
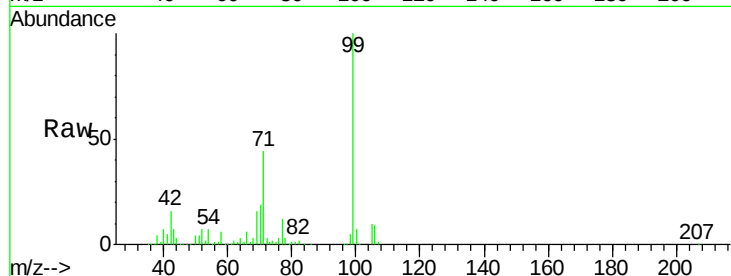
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 77    | Resp: | 59450 |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 105       | 84.9  | 67.3  | 107.3 |
| 106       | 77.3  | 60.6  | 100.6 |

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#10

Phenol

Concen: 7.277 ng

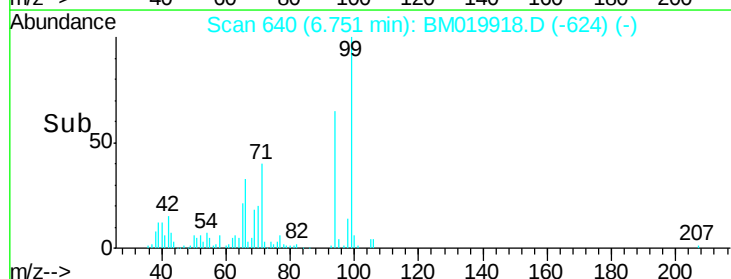
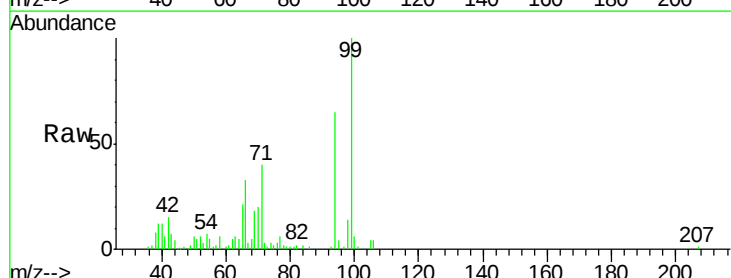
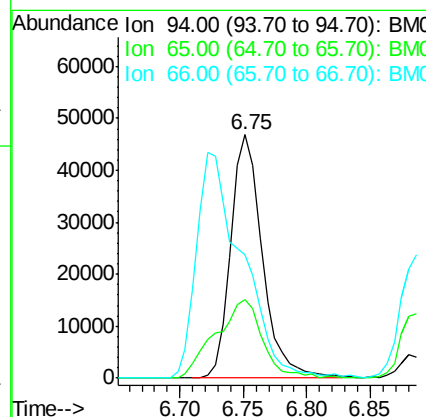
RT: 6.75 min Scan# 640

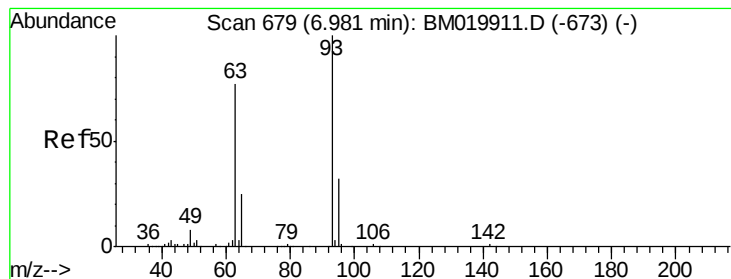
Delta R.T. -0.01 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 81076 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 32.2  | 10.0  | 50.0  |
| 66        | 50.7  | 20.2  | 60.2  |





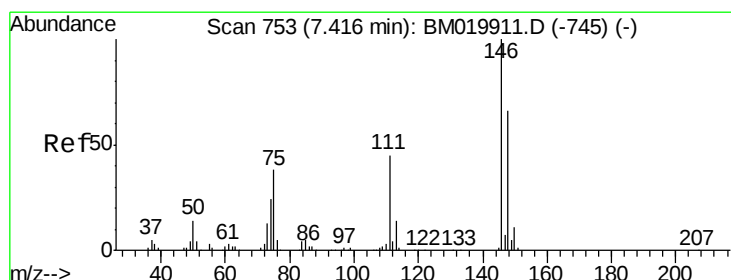
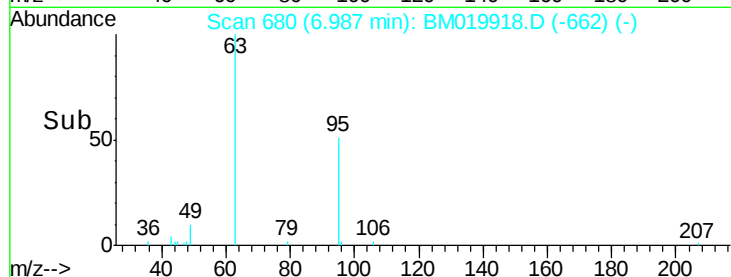
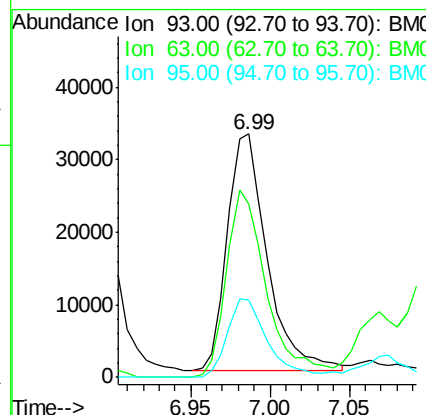
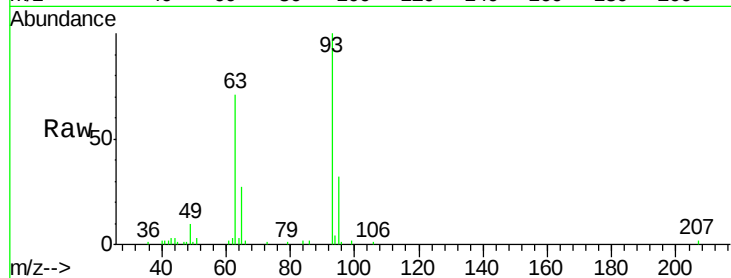
#11  
bis(2-Chloroethyl)ether  
Concen: 7.022 ng  
RT: 6.99 min Scan# 680  
Delta R.T. 0.01 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 71.0  | 55.8  | 95.8  |
| 95      | 31.5  | 11.6  | 51.6  |

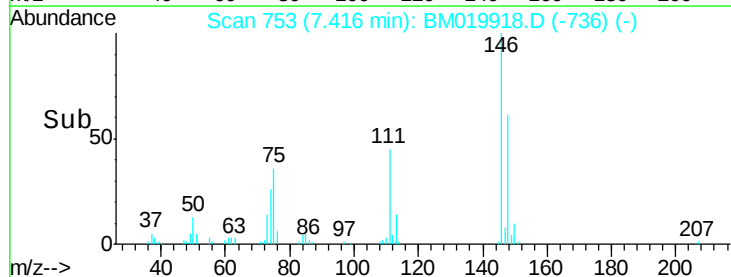
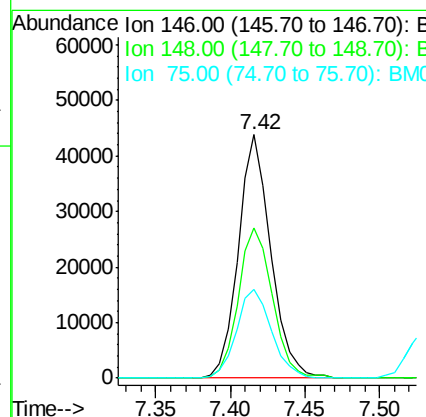
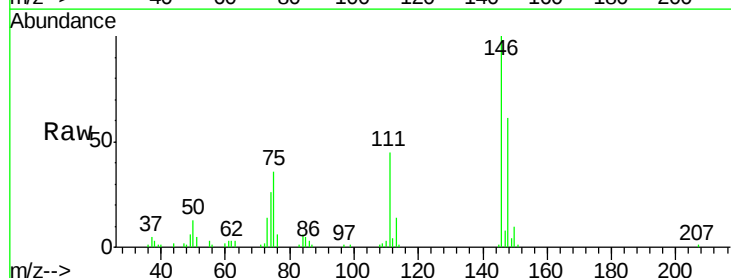
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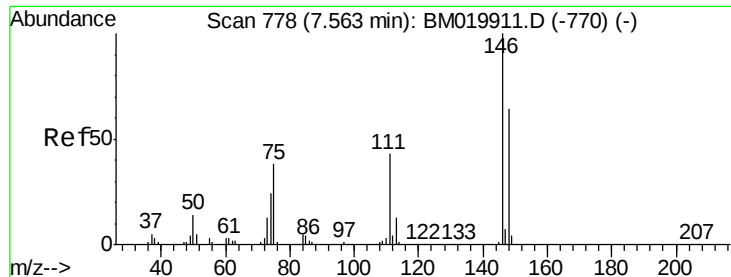
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#12  
1,3-Dichlorobenzene  
Concen: 7.507 ng  
RT: 7.42 min Scan# 753  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 61.5  | 52.6  | 78.8  |
| 75      | 36.3  | 30.0  | 45.0  |





#13

1,4-Dichlorobenzene

Concen: 7.571 ng

RT: 7.57 min Scan# 779

Delta R.T. 0.01 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

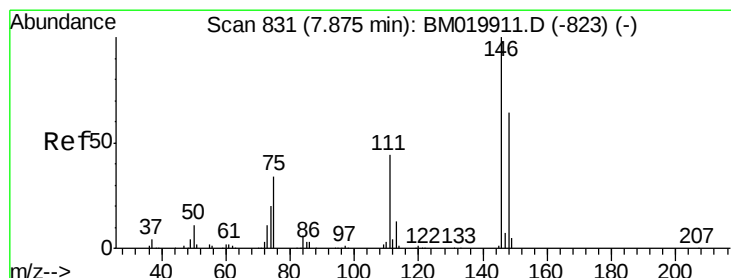
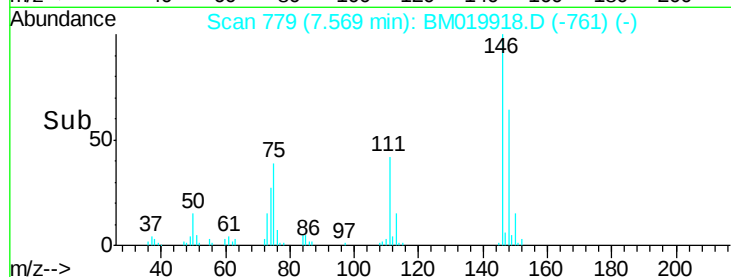
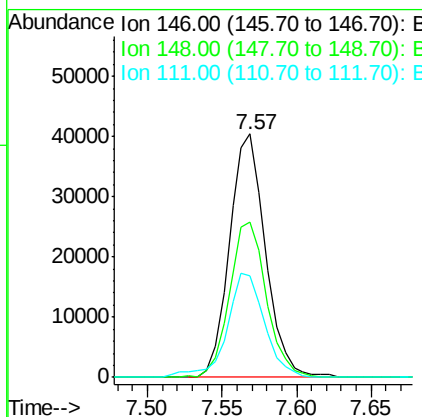
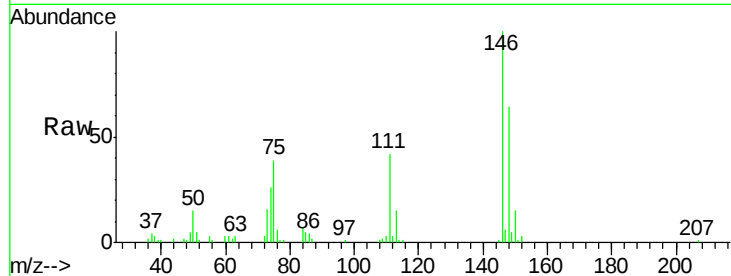
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 67961 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 148       | 64.0  | 51.1  | 76.7  |
| 111       | 41.8  | 34.6  | 51.8  |

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#14

1,2-Dichlorobenzene

Concen: 7.544 ng

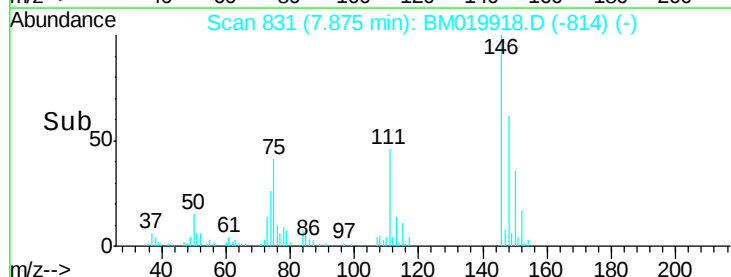
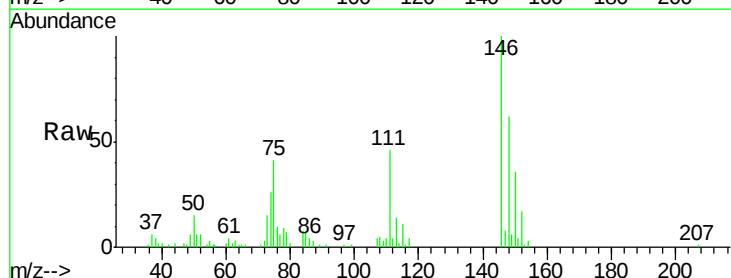
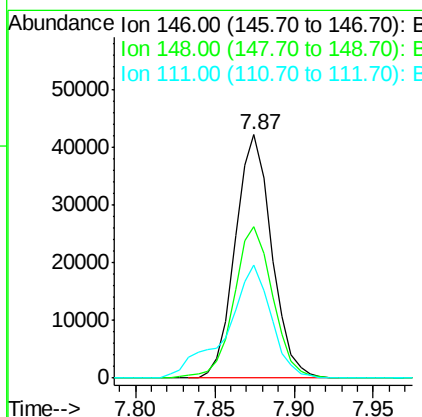
RT: 7.87 min Scan# 831

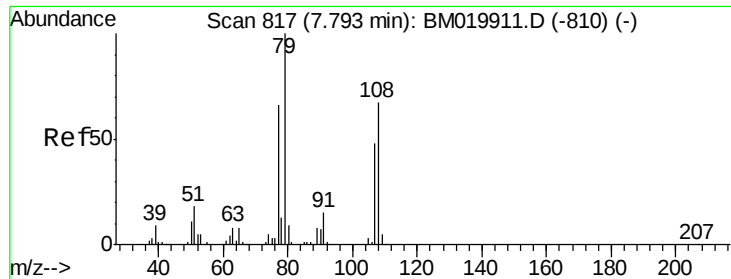
Delta R.T. -0.00 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 67148 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 148       | 62.4  | 51.4  | 77.2  |
| 111       | 46.4  | 35.4  | 53.0  |





#15

Benzyl Alcohol

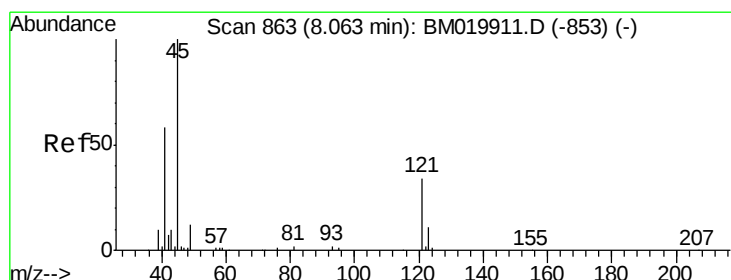
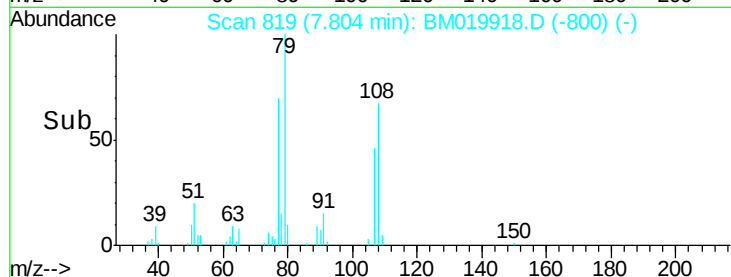
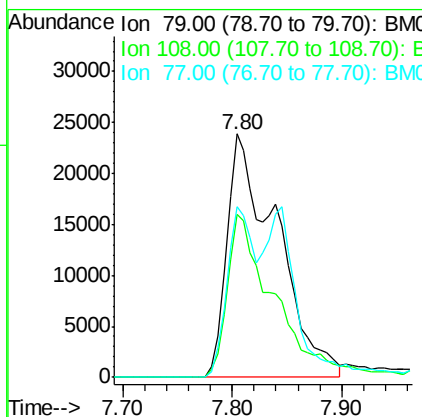
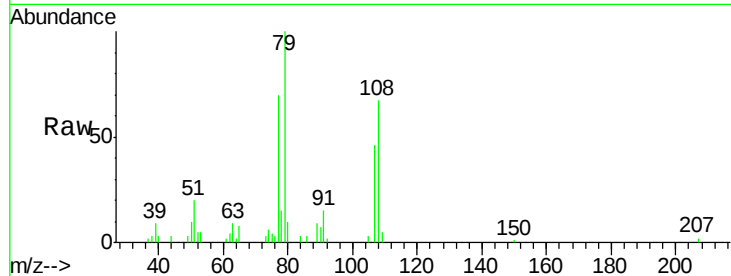
Concen: 8.193 ng m  
RT: 7.80 min Scan# 819  
Delta R.T. 0.01 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 67.2  | 53.9  | 80.9  |
| 77      | 69.9  | 53.1  | 79.7  |

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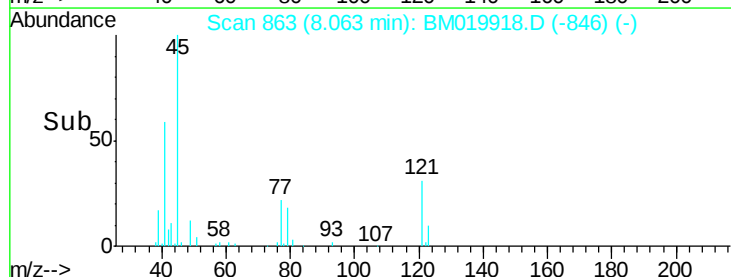
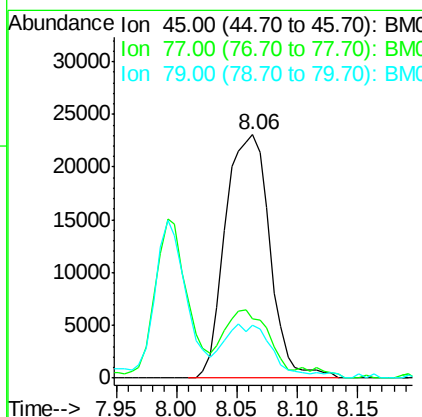
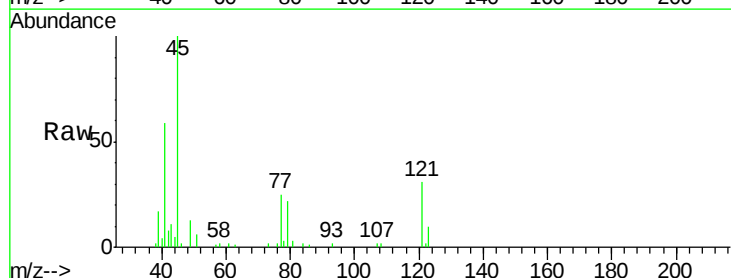


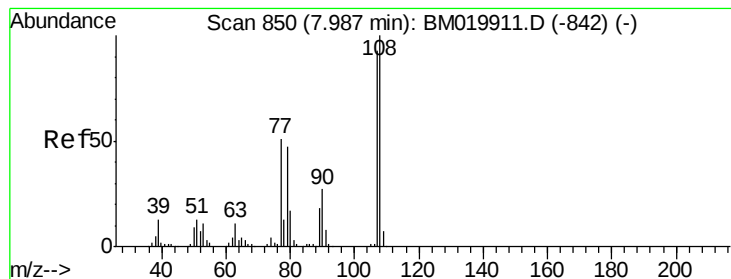
#16

2,2'-oxybis(1-chloropropane)

Concen: 7.601 ng  
RT: 8.06 min Scan# 863  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

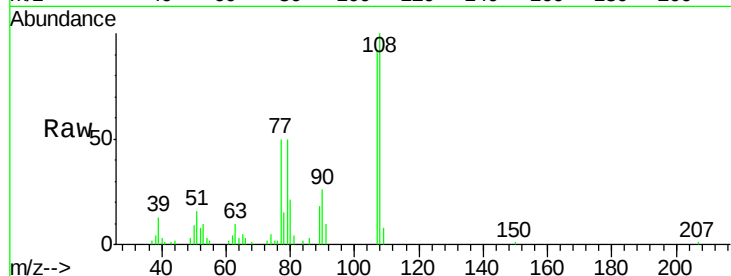
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 24.5  | 7.2   | 47.2  |
| 79      | 21.9  | 1.2   | 41.2  |





#17  
2-Methylphenol  
Concen: 7.116 ng  
RT: 7.99 min Scan# 851  
Delta R.T. 0.01 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

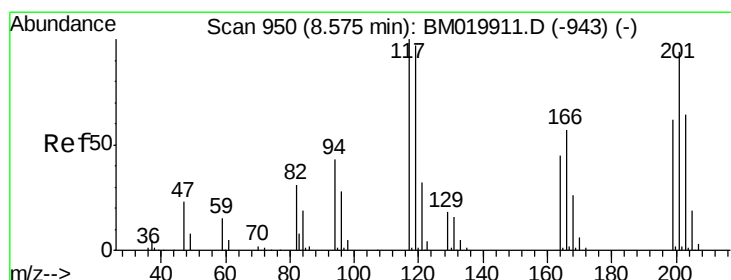
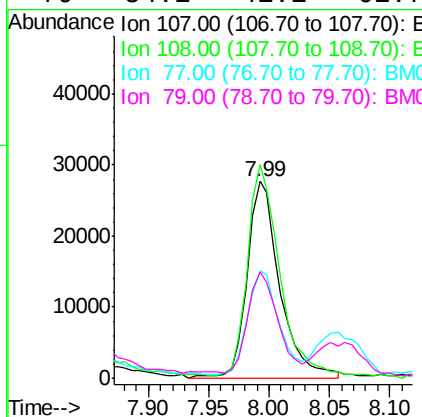
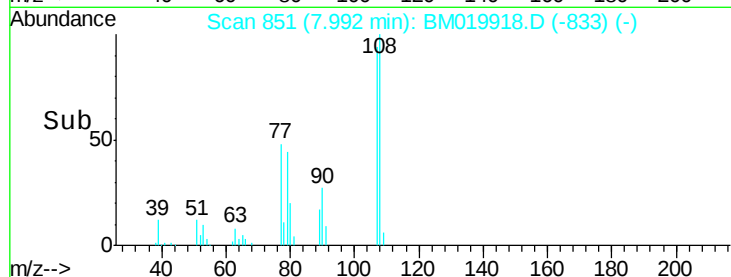
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 52473 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 108.6 | 85.9  | 128.9 |
| 77       | 54.5  | 43.8  | 65.6  |
| 79       | 54.1  | 41.1  | 61.7  |

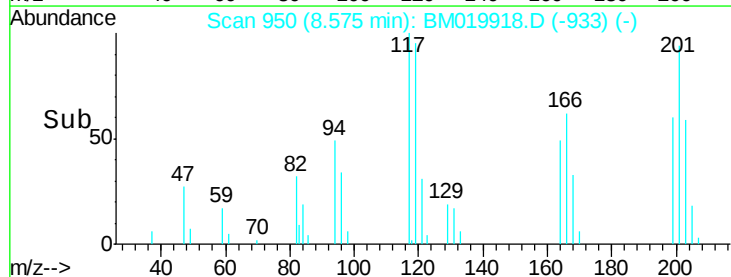
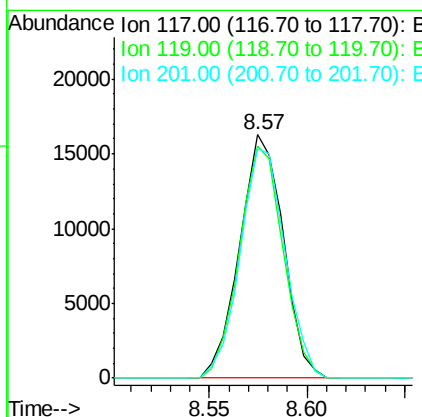
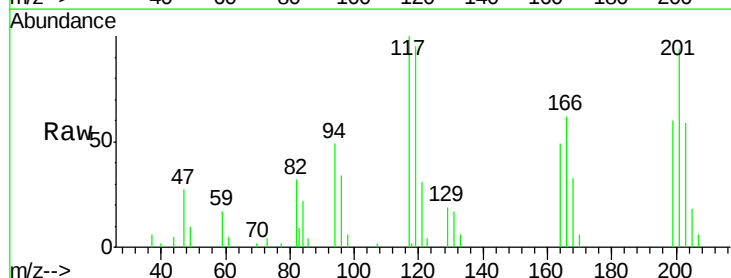
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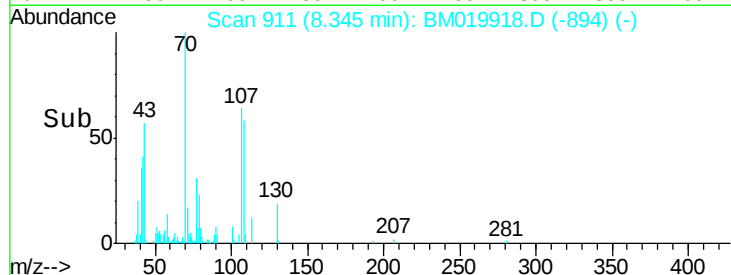
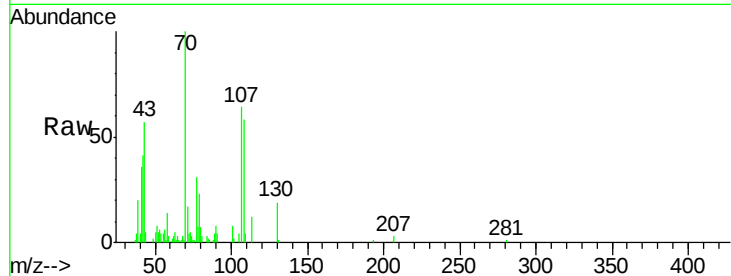
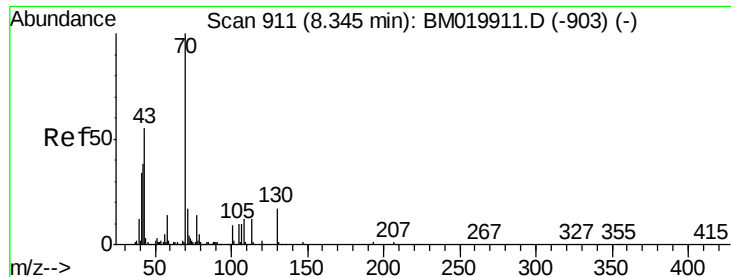
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#18  
Hexachloroethane  
Concen: 7.229 ng  
RT: 8.57 min Scan# 950  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 25223 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 95.1  | 77.6  | 116.4 |
| 201      | 94.3  | 75.4  | 113.2 |





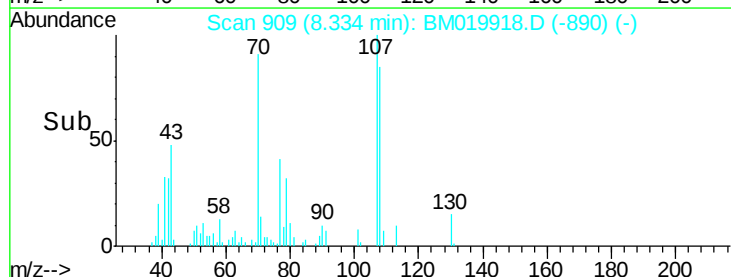
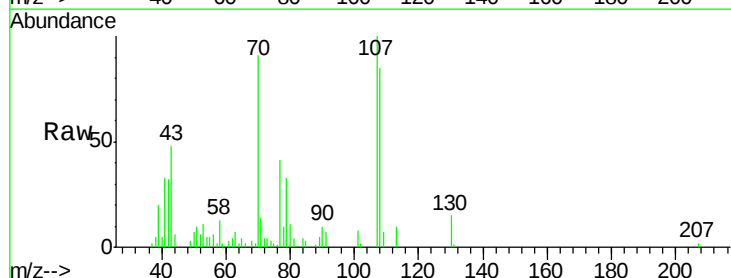
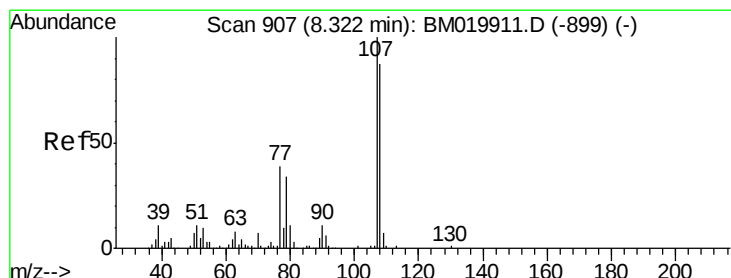
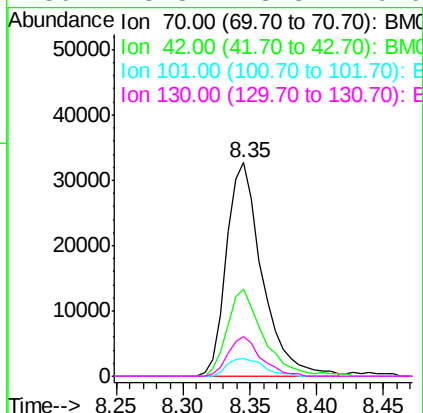
#19  
n-Nitroso-di-n-propylamine  
Concen: 6.838 ng  
RT: 8.35 min Scan# 911  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 40.6  | 30.3  | 45.5  |
| 101     | 8.3   | 6.9   | 10.3  |
| 130     | 18.8  | 13.8  | 20.6  |

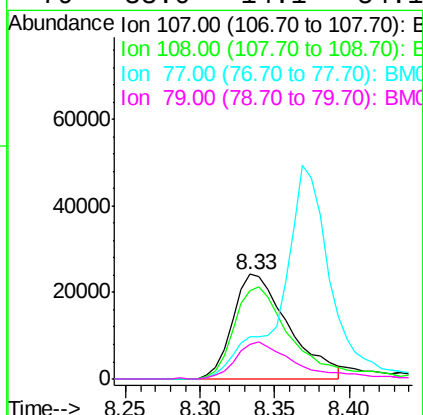
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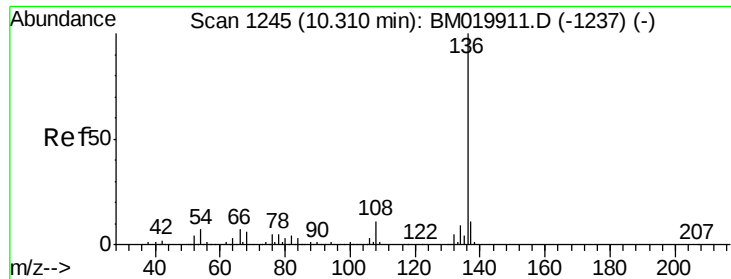
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#20  
3+4-Methylphenols  
Concen: 6.233 ng  
RT: 8.33 min Scan# 909  
Delta R.T. 0.01 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 85.1  | 67.4  | 107.4 |
| 77      | 40.8  | 19.7  | 59.7  |
| 79      | 33.0  | 14.1  | 54.1  |





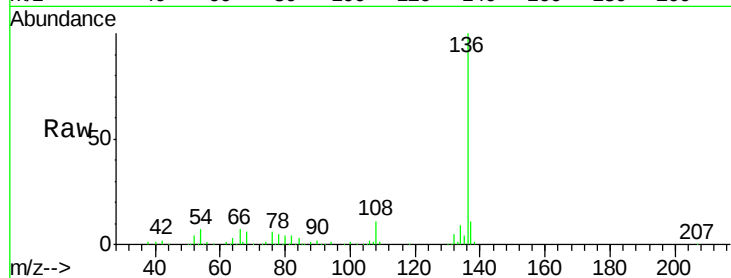
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.31 min Scan# 1245  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

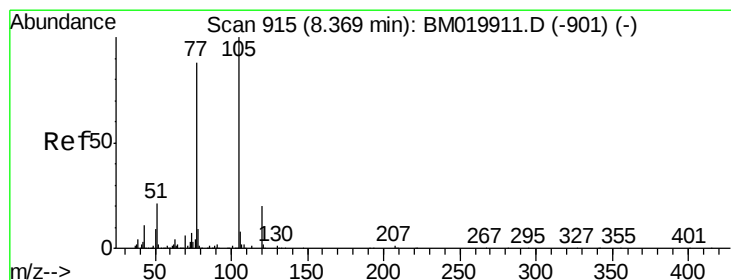
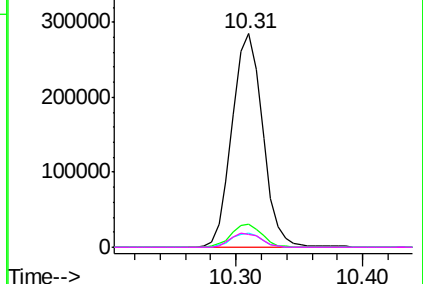
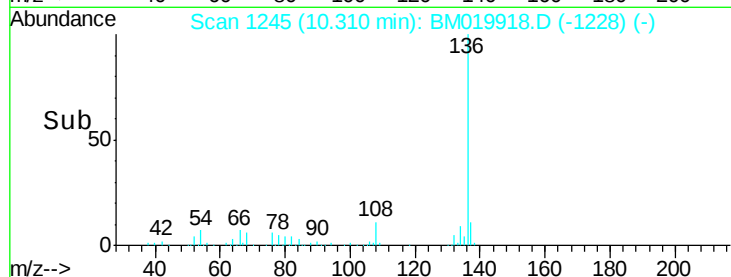
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 477585 |       |       |
| 137     | 11.0  | 9.0    | 13.6  |       |
| 54      | 6.9   | 5.3    | 7.9   |       |
| 68      | 6.2   | 5.2    | 7.8   |       |

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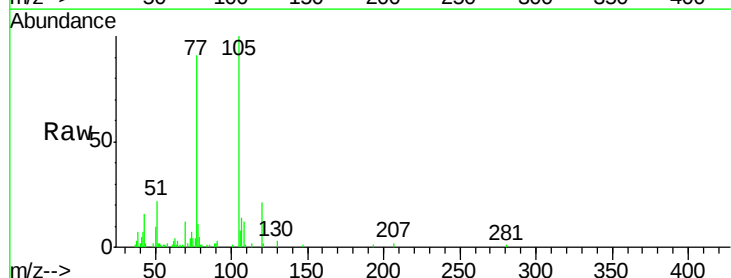


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

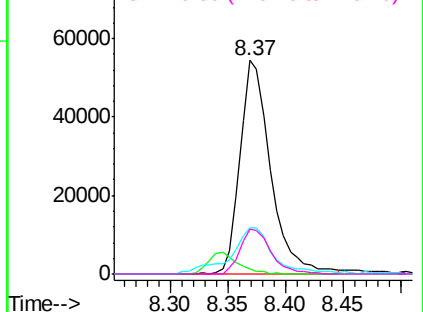
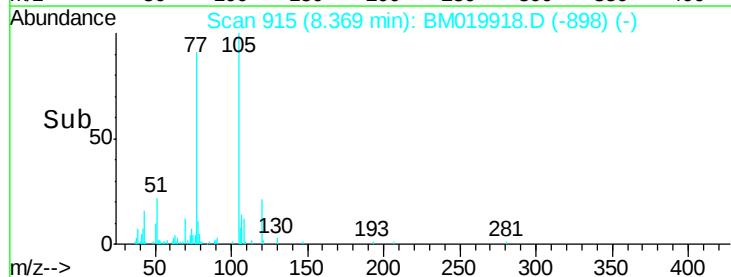


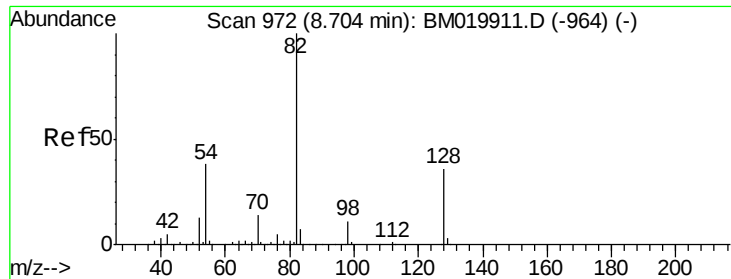
#22  
Acetophenone  
Concen: 7.750 ng  
RT: 8.37 min Scan# 915  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 100812 |       |       |
| 71      | 2.2   | 0.8    | 1.2#  |       |
| 51      | 21.7  | 16.9   | 25.3  |       |
| 120     | 20.9  | 16.4   | 24.6  |       |



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





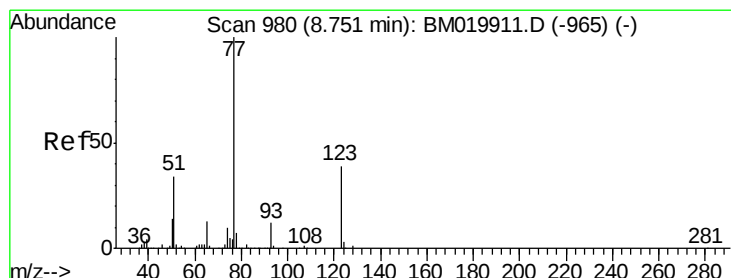
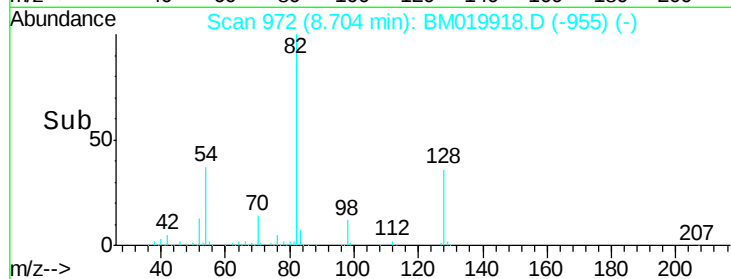
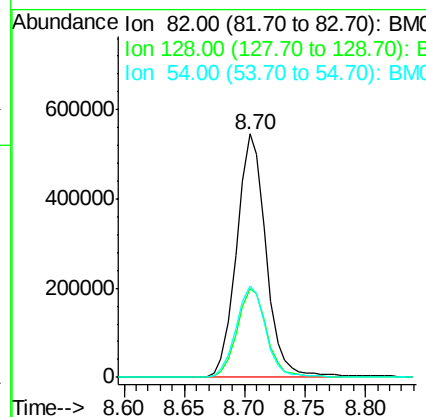
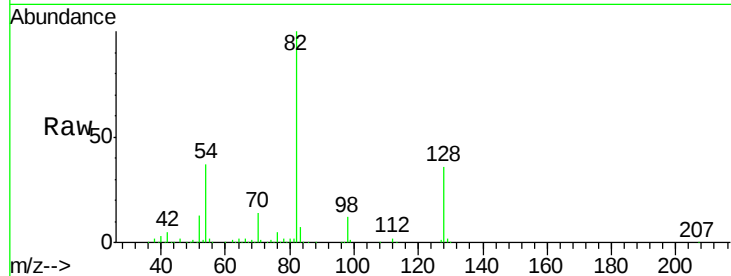
#23  
 Nitrobenzene-d5  
 Concen: 87.074 ng  
 RT: 8.70 min Scan# 972  
 Delta R.T. -0.00 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 929873 |       |       |
| 128     | 36.4  | 29.0   | 43.4  |       |
| 54      | 37.3  | 30.2   | 45.4  |       |

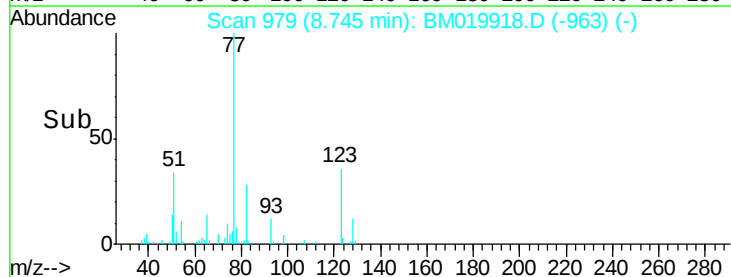
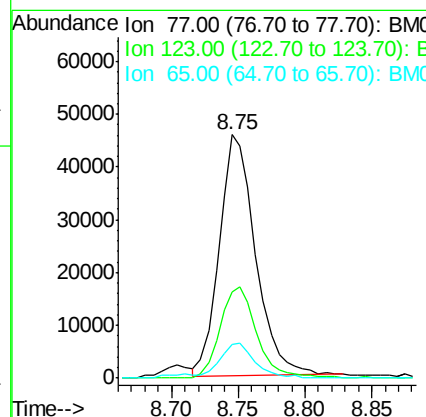
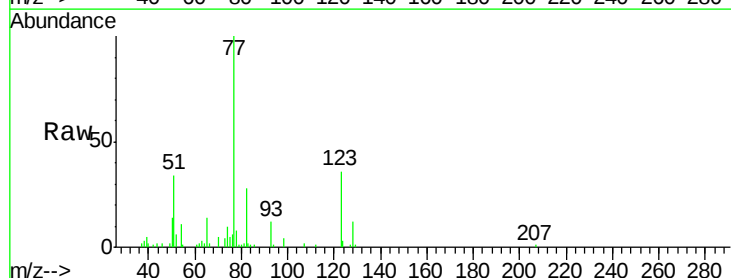
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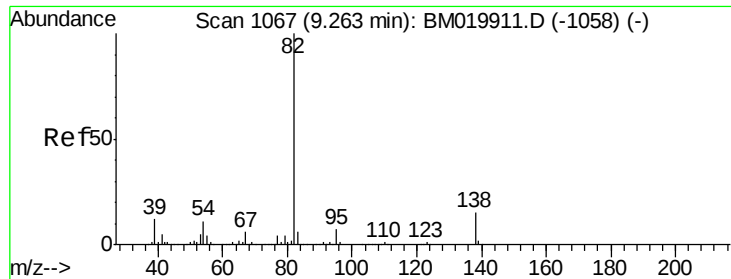
Sohil  
 4/16/2019 5:25:44 PM



#24  
 Nitrobenzene  
 Concen: 7.841 ng  
 RT: 8.75 min Scan# 979  
 Delta R.T. -0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 77      | 100   | 86748 |       |       |
| 123     | 35.6  | 31.0  | 46.4  |       |
| 65      | 13.7  | 10.6  | 16.0  |       |





#25

Isophorone

Concen: 7.697 ng

RT: 9.26 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

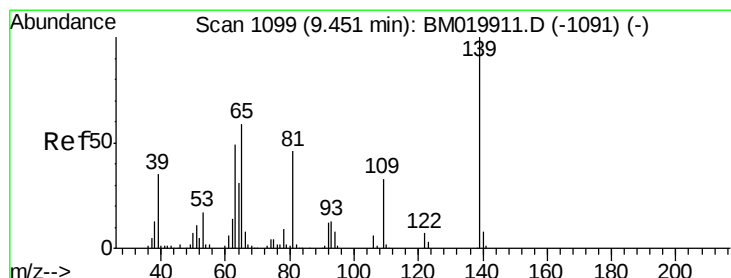
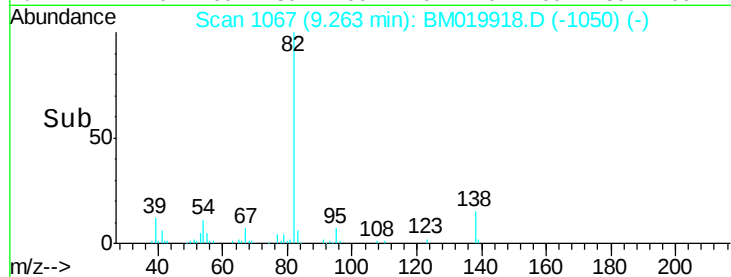
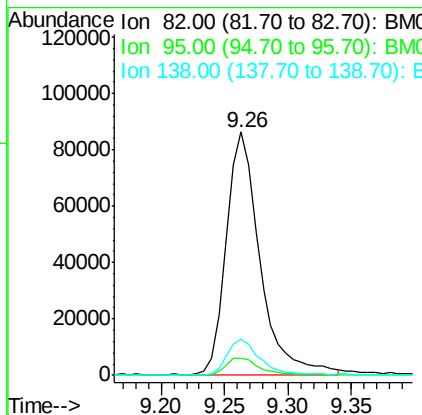
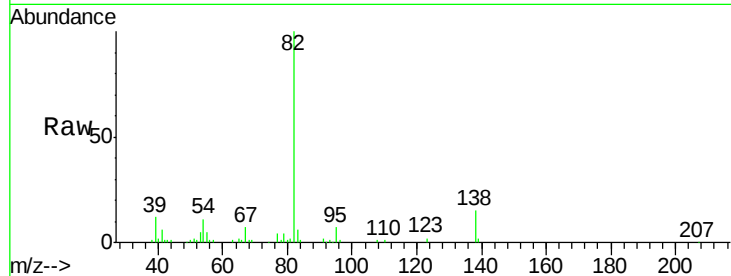
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 160000 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.1   | 5.5   | 8.3    |
| 138       | 14.8  | 12.2  | 18.2   |

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#26

2-Nitrophenol

Concen: 6.678 ng

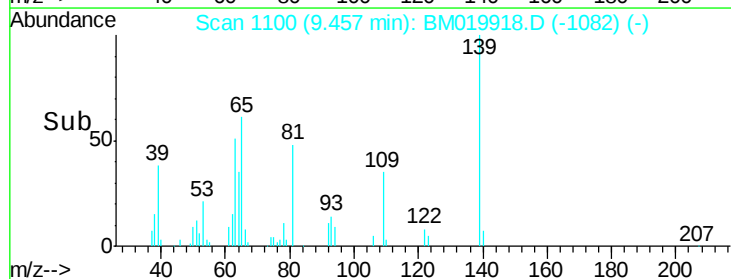
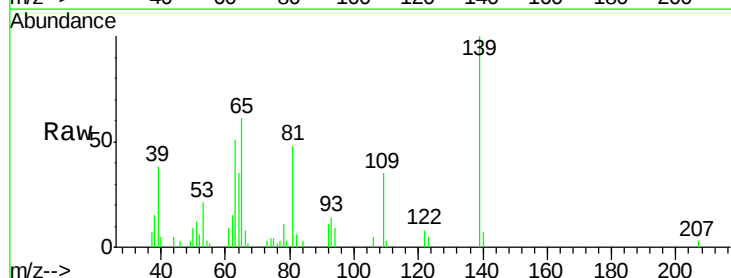
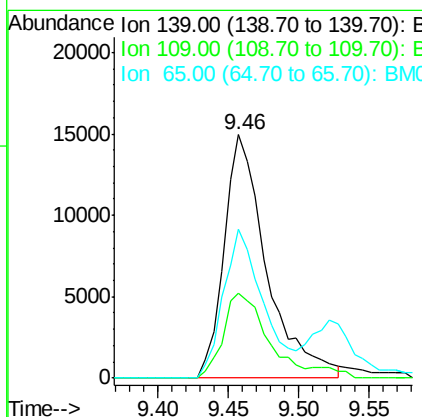
RT: 9.46 min Scan# 1100

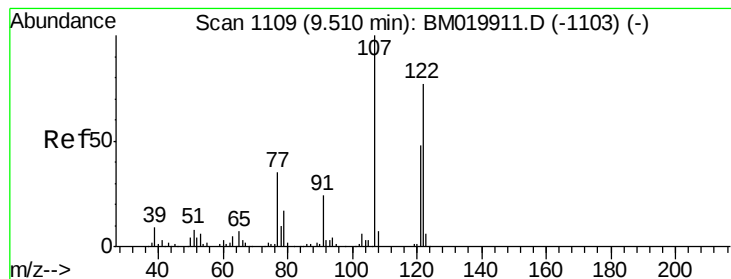
Delta R.T. 0.01 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

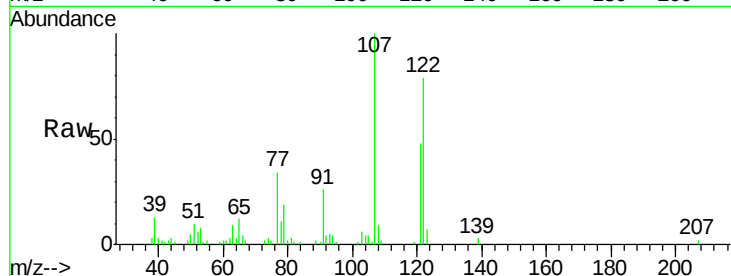
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 31482 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 34.9  | 26.3  | 39.5  |
| 65        | 61.1  | 47.4  | 71.2  |





#27  
 2,4-Dimethylphenol  
 Concen: 7.191 ng  
 RT: 9.52 min Scan# 1111  
 Delta R.T. 0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

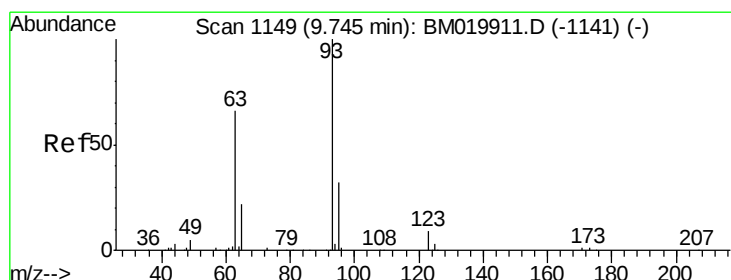
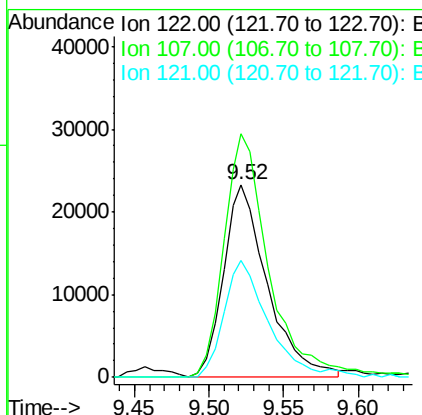
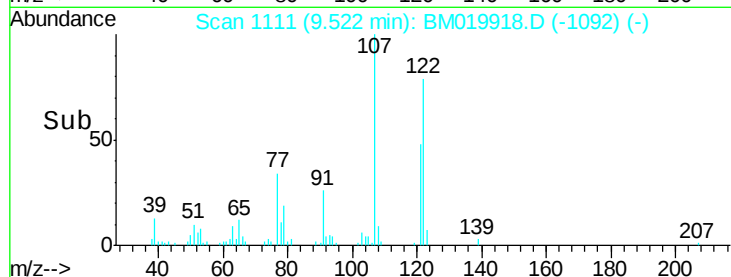
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019



Tgt Ion: 122 Resp: 47931  
 Ion Ratio Lower Upper  
 122 100  
 107 126.4 103.1 154.7  
 121 60.9 49.8 74.8

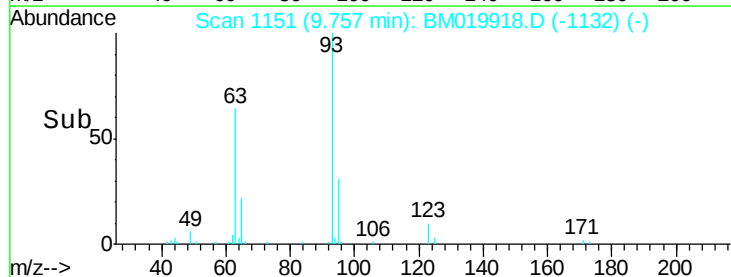
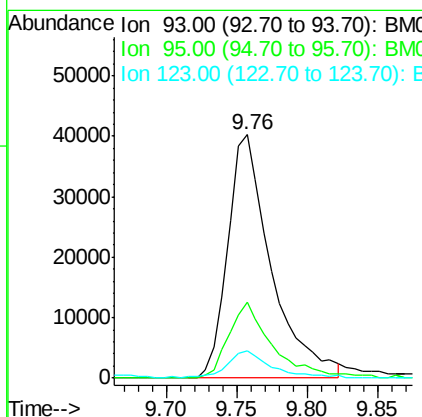
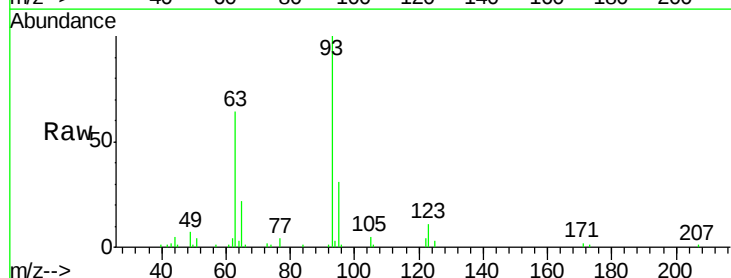
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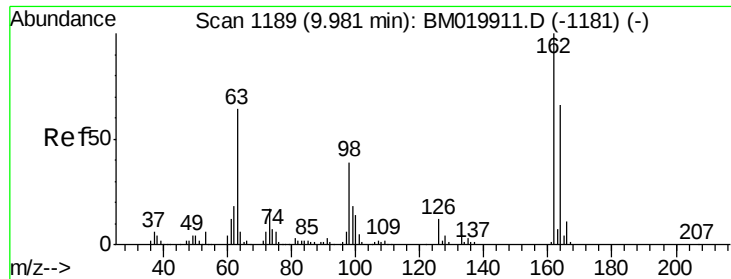
Sohil  
 4/16/2019 5:25:44 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 7.426 ng  
 RT: 9.76 min Scan# 1151  
 Delta R.T. 0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Tgt Ion: 93 Resp: 86441  
 Ion Ratio Lower Upper  
 93 100  
 95 31.1 25.8 38.8  
 123 11.2 8.2 12.2





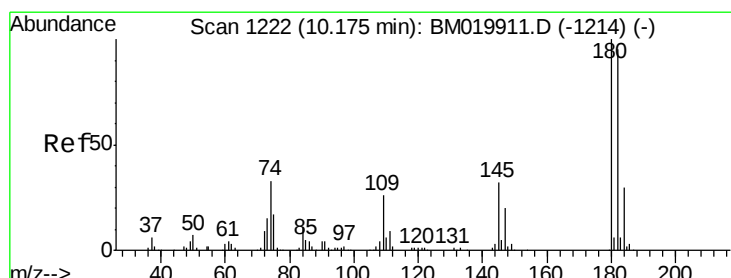
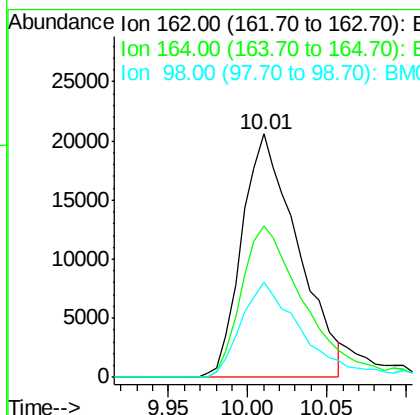
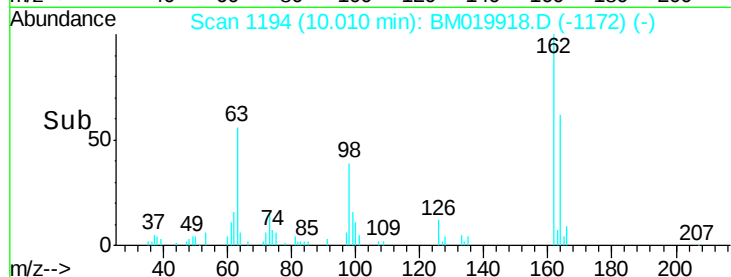
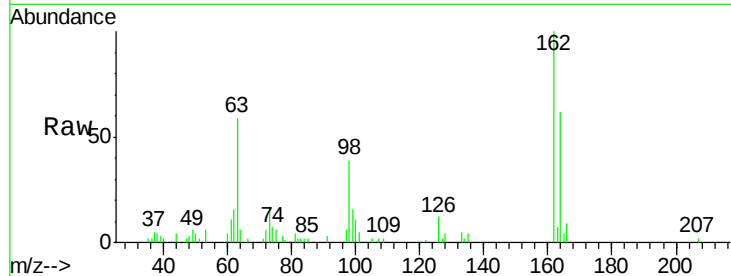
#29  
2,4-Dichlorophenol  
Concen: 6.659 ng  
RT: 10.01 min Scan# 1194  
Delta R.T. 0.03 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 162     | 100   | 50410 |       |       |
| 164     | 62.4  | 46.3  | 86.3  |       |
| 98      | 38.9  | 19.2  | 59.2  |       |

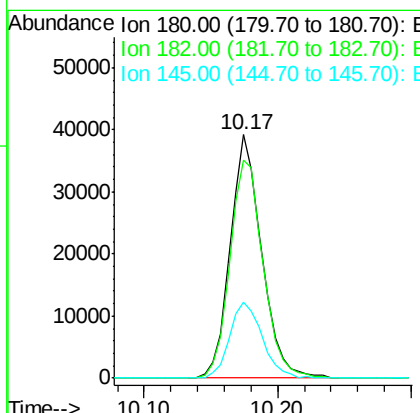
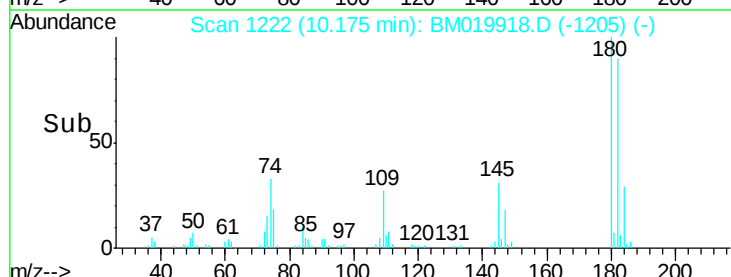
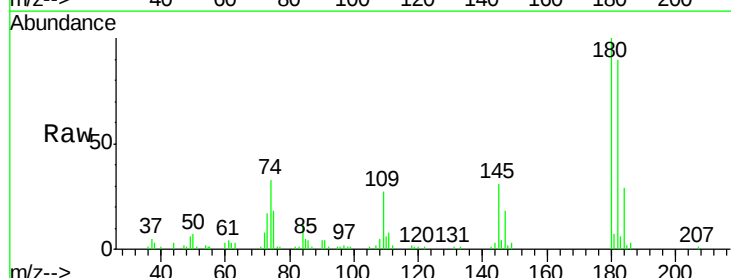
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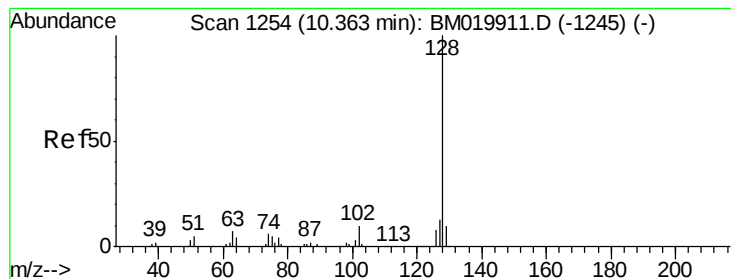
Sohil  
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#30  
1,2,4-Trichlorobenzene  
Concen: 7.872 ng  
RT: 10.17 min Scan# 1222  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 64145 |       |       |
| 182     | 89.6  | 76.3  | 114.5 |       |
| 145     | 31.2  | 25.5  | 38.3  |       |





#31

Naphthalene

Concen: 8.078 ng

RT: 10.36 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

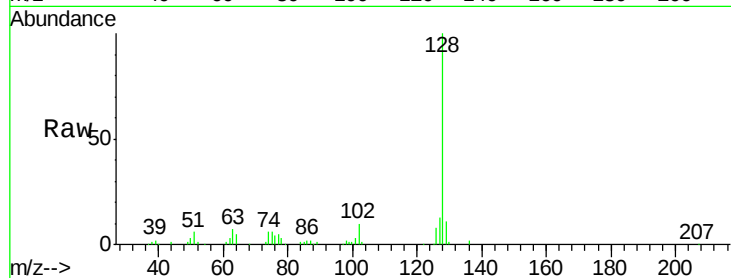
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

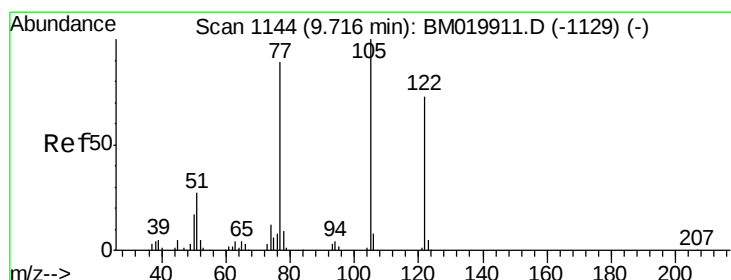
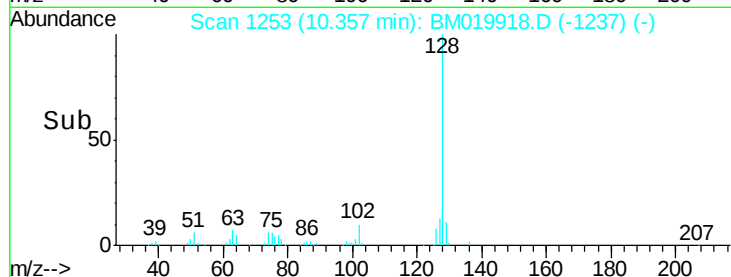
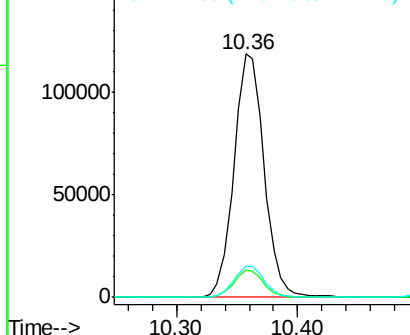
|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 128  | Resp: | 206935 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 129       | 11.4 | 8.3   | 12.5   |
| 127       | 12.7 | 10.4  | 15.6   |

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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: 8.293 ng

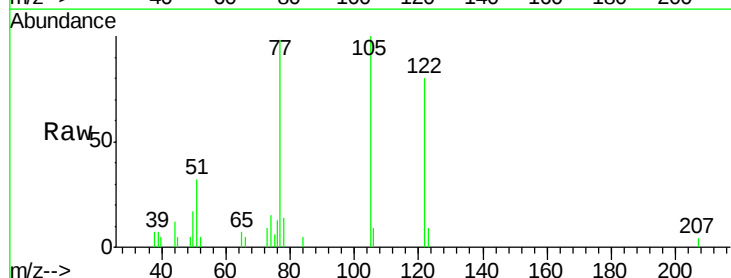
RT: 9.66 min Scan# 1134

Delta R.T. -0.06 min

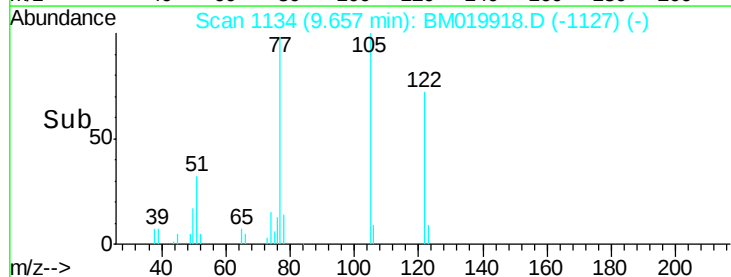
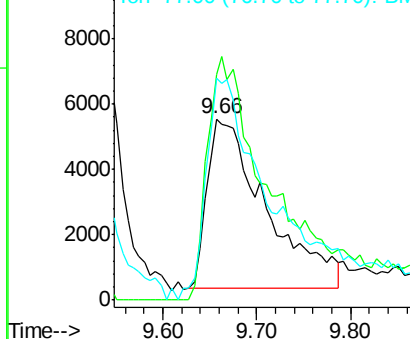
Lab File: BM019918.D

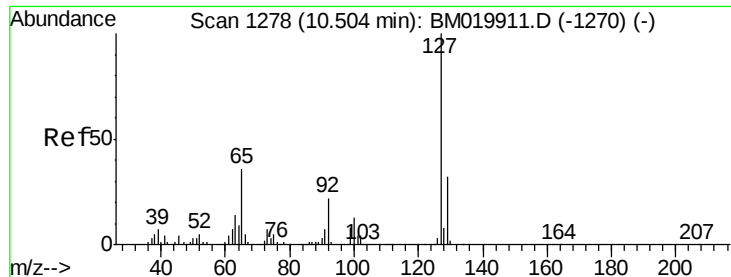
Acq: 15 Apr 2019 17:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 22602 |
| Ion Ratio |       | Lower | Upper |
| 122       | 100   |       |       |
| 105       | 124.6 | 114.8 | 154.8 |
| 77        | 122.1 | 100.2 | 140.2 |



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





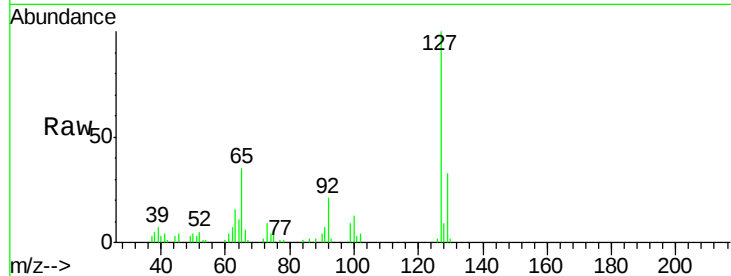
#33  
4-Chloroaniline  
Concen: 6.901 ng  
RT: 10.52 min Scan# 1281  
Delta R.T. 0.02 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

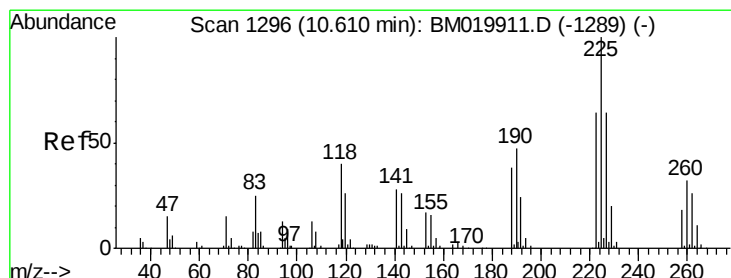
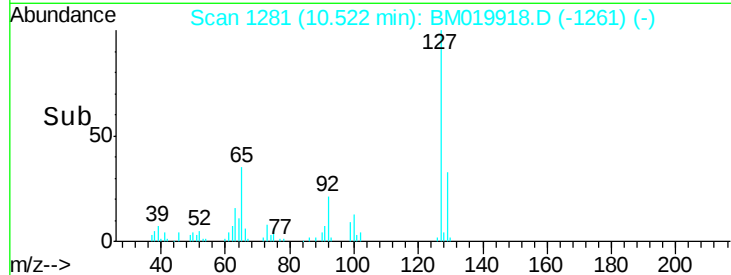
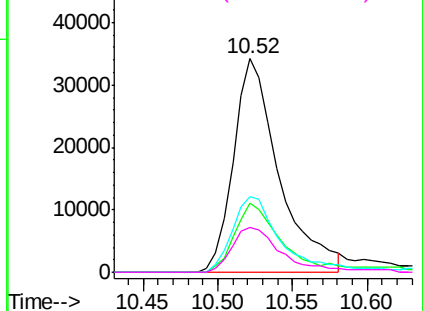
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 127     | 100   | 72823 |       |       |
| 129     | 32.6  | 25.4  | 38.0  |       |
| 65      | 35.3  | 29.2  | 43.8  |       |
| 92      | 21.1  | 17.5  | 26.3  |       |

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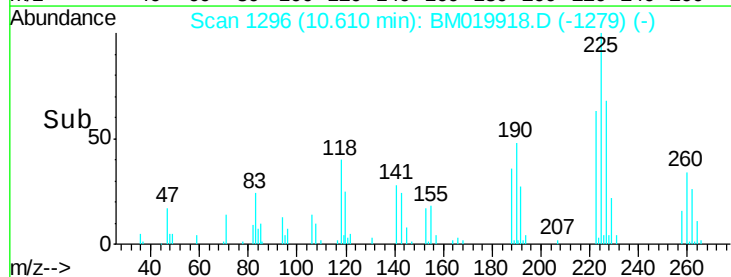
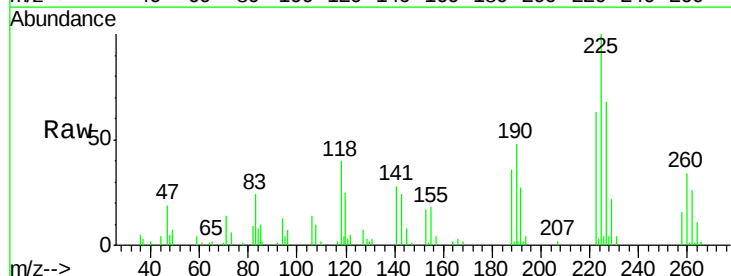
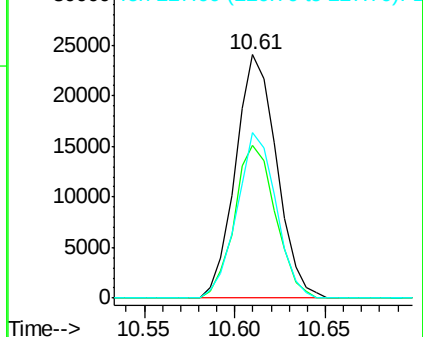
Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BM0  
Ion 92.00 (91.70 to 92.70): BM0

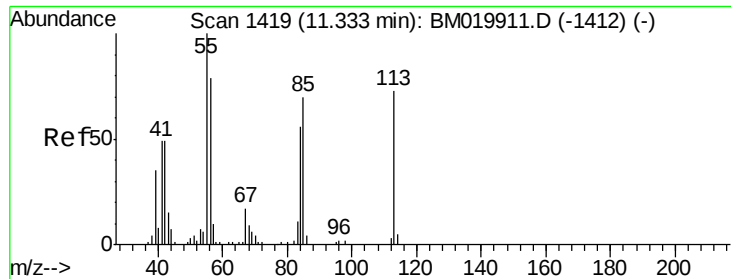


#34  
Hexachlorobutadiene  
Concen: 7.910 ng  
RT: 10.61 min Scan# 1296  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 38011 |       |       |
| 223     | 62.9  | 51.4  | 77.2  |       |
| 227     | 68.0  | 51.0  | 76.6  |       |

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





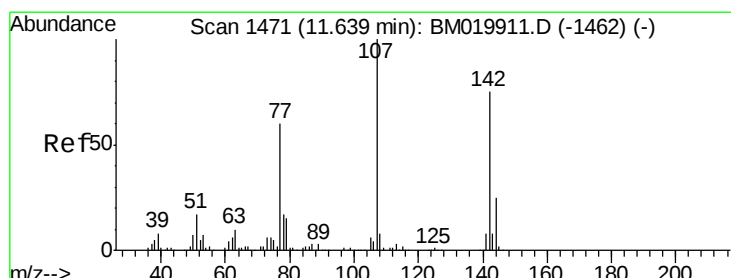
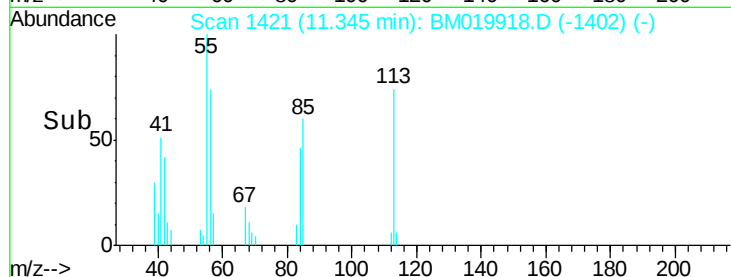
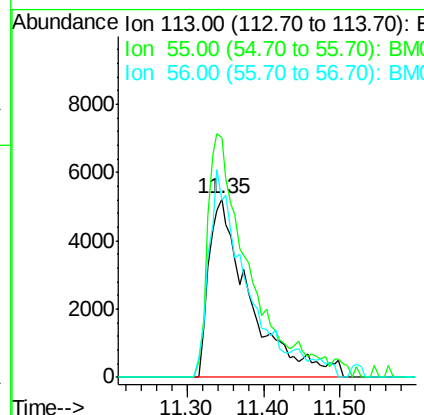
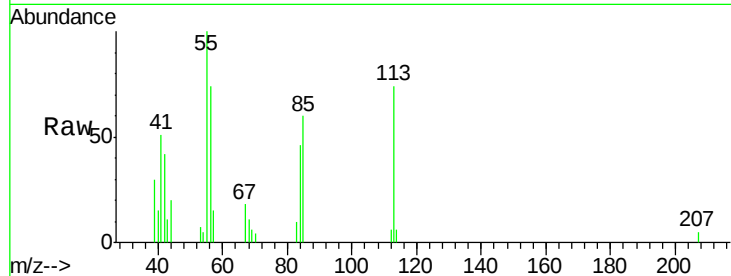
#35  
 Caprolactam  
 Concen: 6.876 ng m  
 RT: 11.35 min Scan# 1421  
 Delta R.T. 0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:113 Resp: 19703  
 Ion Ratio Lower Upper  
 113 100  
 55 134.4 117.1 157.1  
 56 99.0 88.2 128.2

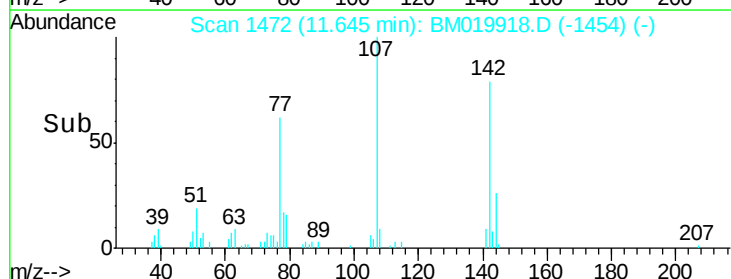
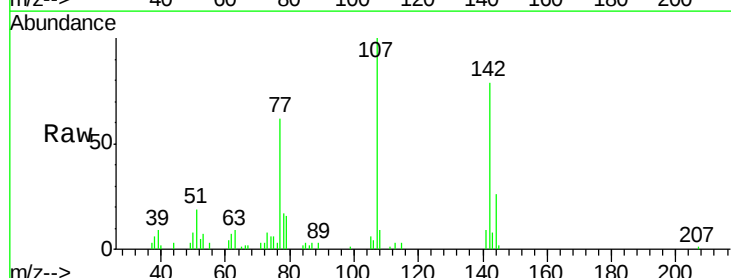
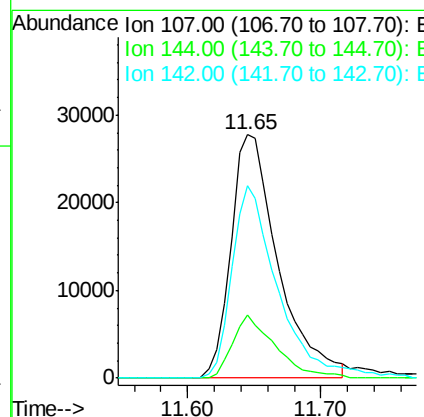
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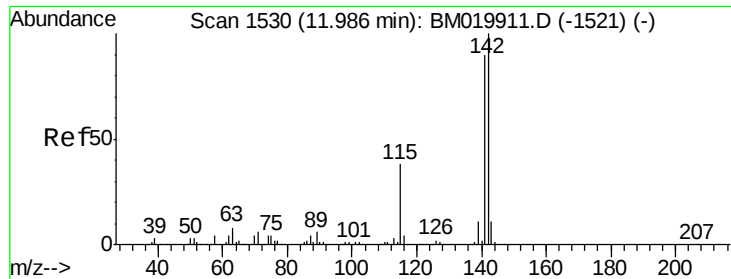
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#36  
 4-Chloro-3-methylphenol  
 Concen: 7.244 ng  
 RT: 11.65 min Scan# 1472  
 Delta R.T. 0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Tgt Ion:107 Resp: 68140  
 Ion Ratio Lower Upper  
 107 100  
 144 25.7 19.8 29.8  
 142 79.2 60.3 90.5





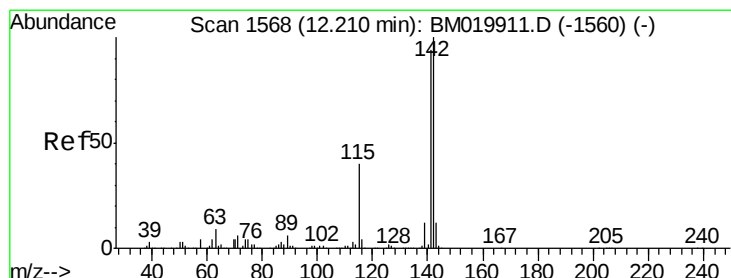
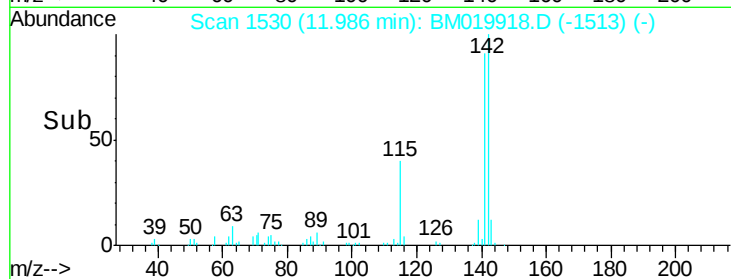
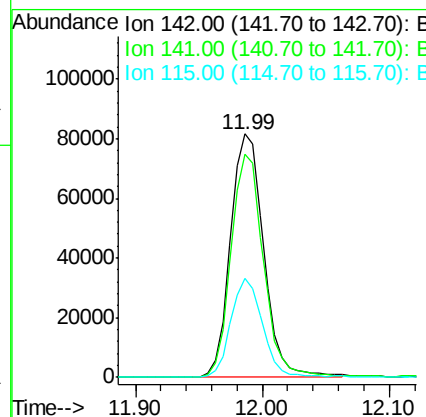
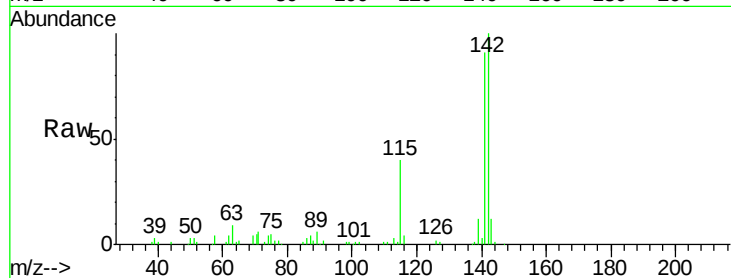
#37  
2-Methylnaphthalene  
Concen: 7.910 ng  
RT: 11.99 min Scan# 1530  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.4  | 72.3  | 108.5 |
| 115     | 40.4  | 30.5  | 45.7  |

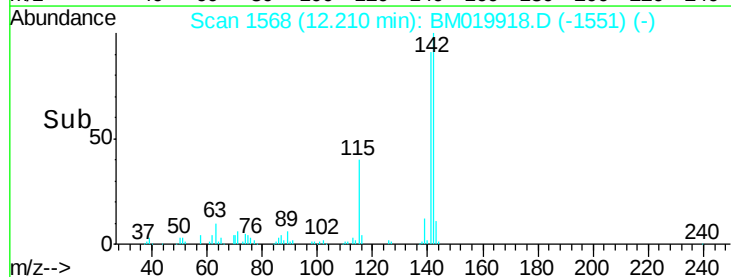
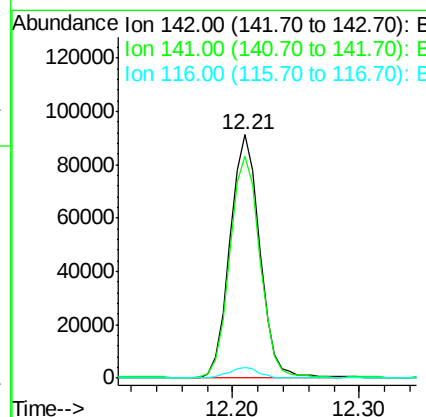
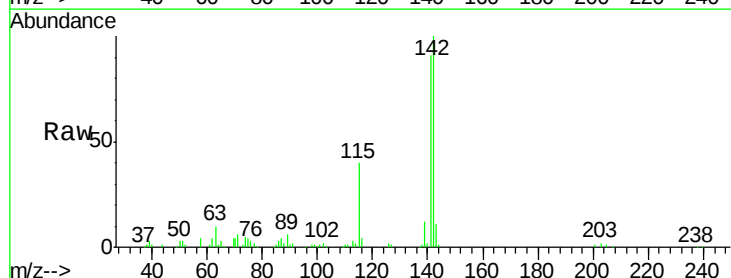
Manual Integrations  
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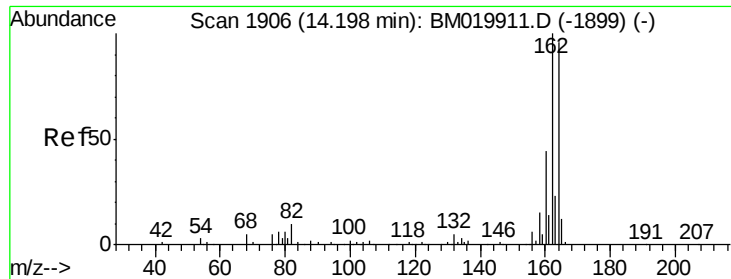
Sohil  
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#38  
1-Methylnaphthalene  
Concen: 8.058 ng  
RT: 12.21 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.3  | 75.7  | 113.5 |
| 116     | 4.3   | 3.4   | 5.2   |





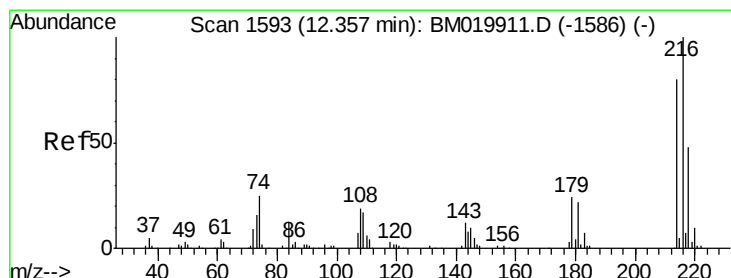
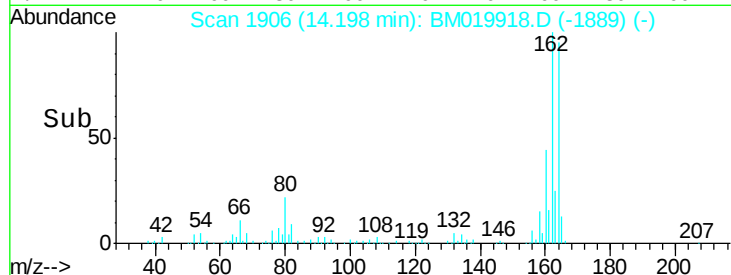
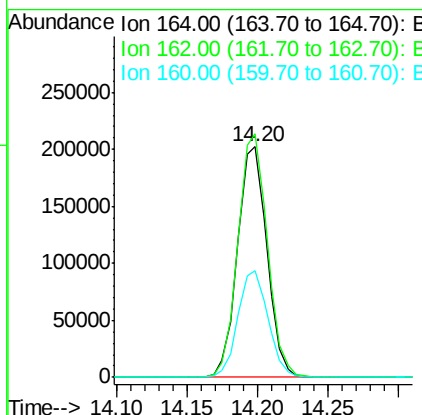
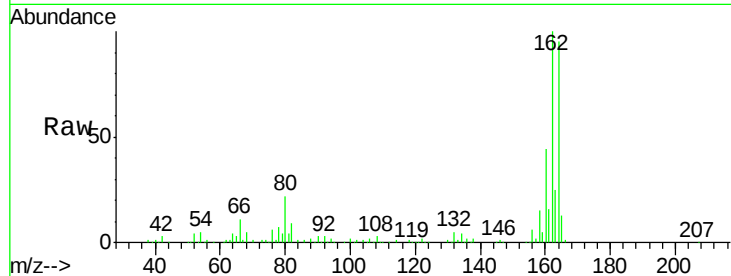
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.20 min Scan# 1906  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 294454 |       |       |
| 162     | 105.8 | 83.0   | 124.4 |       |
| 160     | 46.5  | 36.6   | 55.0  |       |

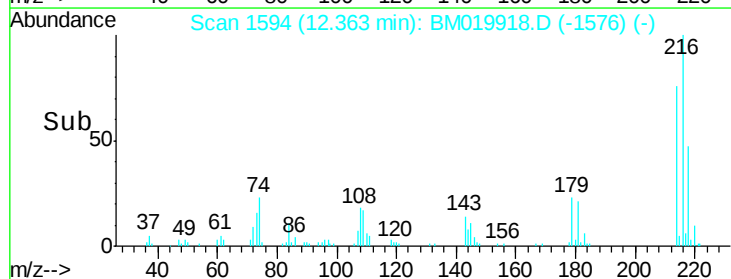
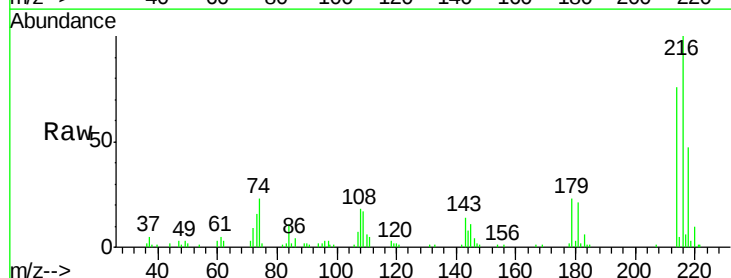
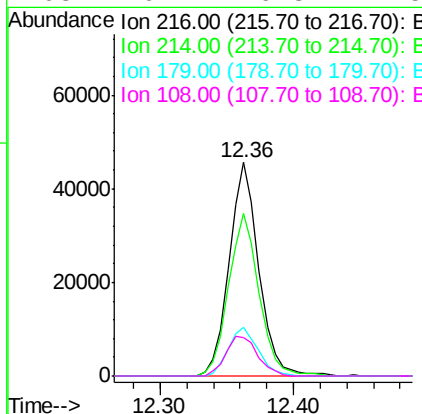
Manual Integrations  
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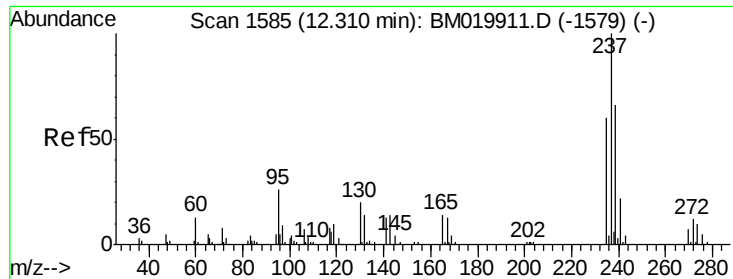
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 7.750 ng  
RT: 12.36 min Scan# 1594  
Delta R.T. 0.01 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 216     | 100   | 70397 |       |       |
| 214     | 78.9  | 63.1  | 94.7  |       |
| 179     | 23.2  | 19.0  | 28.6  |       |
| 108     | 20.1  | 16.3  | 24.5  |       |





#41

Hexachlorocyclopentadiene

Concen: 12.696 ng

RT: 12.32 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

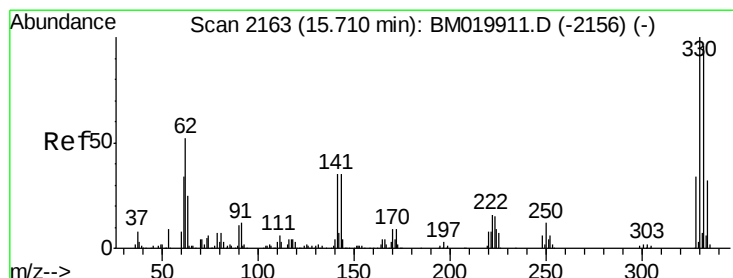
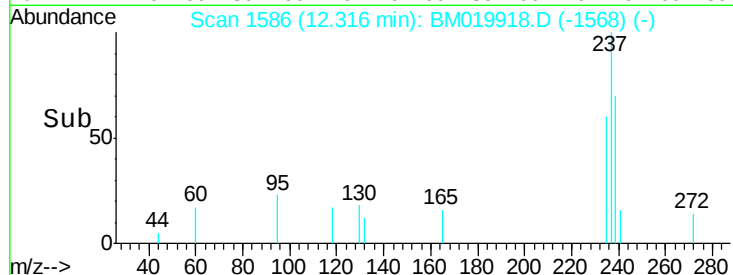
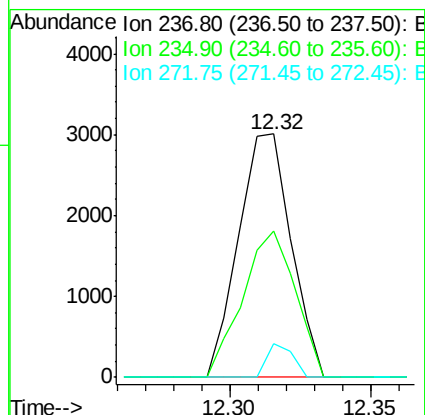
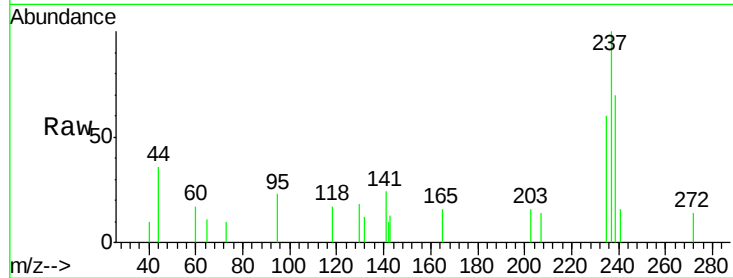
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 237   | Resp: | 3886 |
| Ion Ratio | Lower | Upper |      |
| 237       | 100   |       |      |
| 235       | 59.9  | 40.4  | 80.4 |
| 272       | 13.9  | 0.0   | 32.3 |

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#42

2,4,6-Tribromophenol

Concen: 135.785 ng

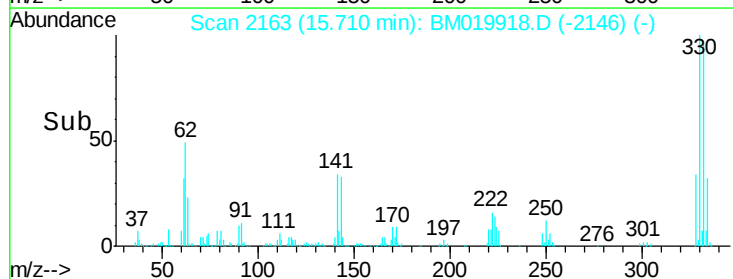
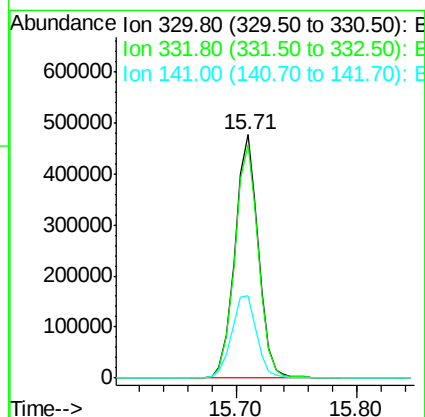
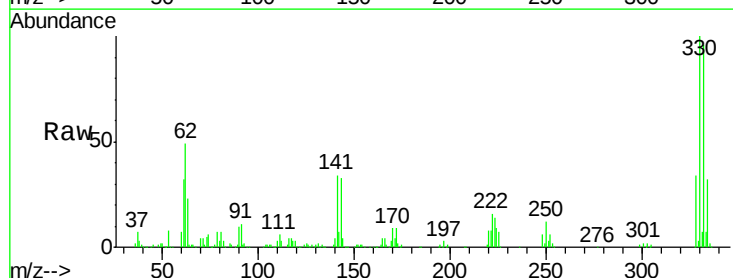
RT: 15.71 min Scan# 2163

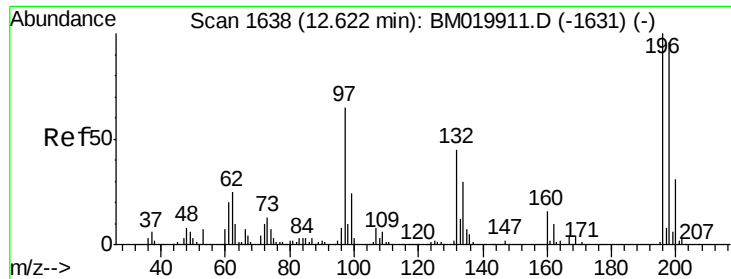
Delta R.T. -0.00 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 643609 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.7  | 77.4  | 116.2  |
| 141       | 36.4  | 29.0  | 43.4   |





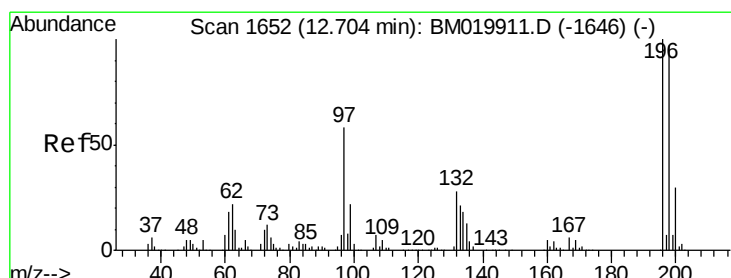
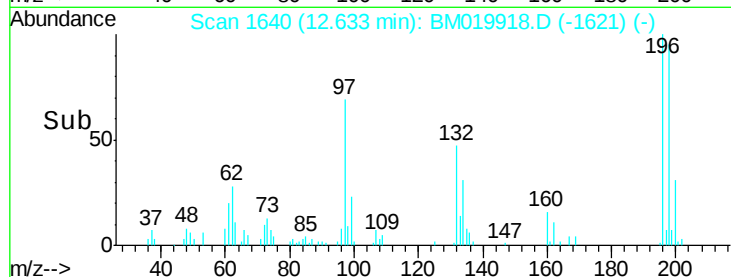
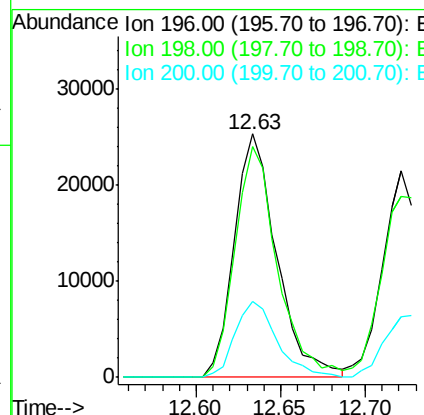
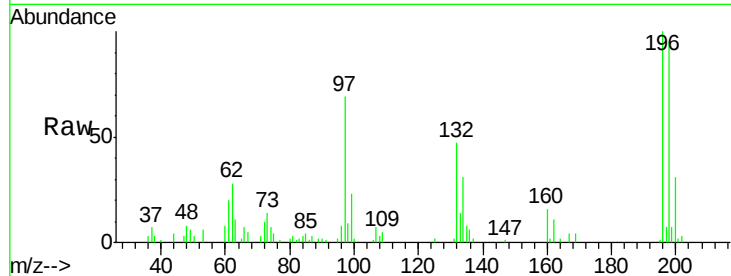
#43  
 2,4,6-Trichlorophenol  
 Concen: 7.189 ng  
 RT: 12.63 min Scan# 1640  
 Delta R.T. 0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 44273 |       |       |
| 198     | 95.0  | 76.8  | 115.2 |       |
| 200     | 31.3  | 24.6  | 37.0  |       |

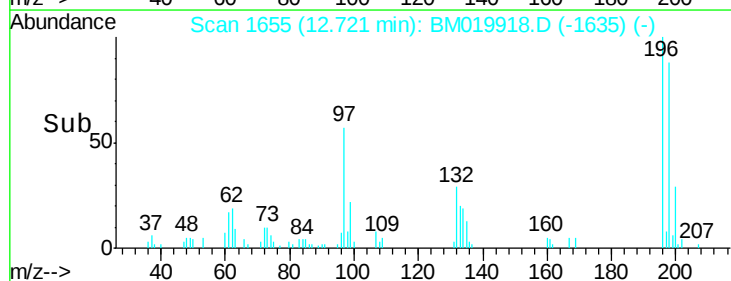
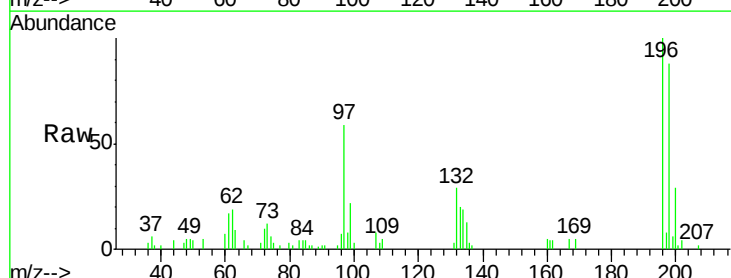
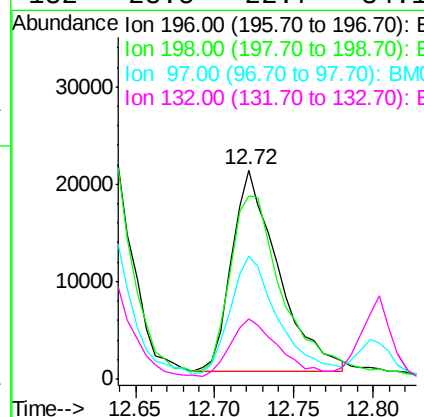
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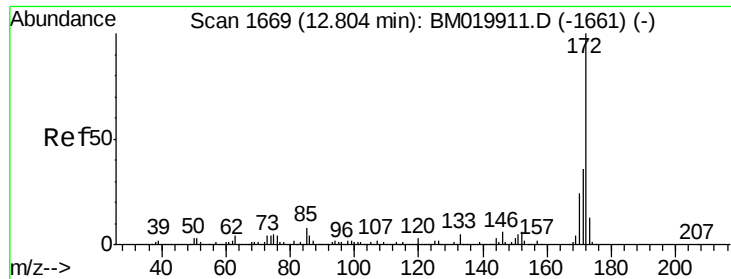
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#44  
 2,4,5-Trichlorophenol  
 Concen: 6.558 ng  
 RT: 12.72 min Scan# 1655  
 Delta R.T. 0.02 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 42033 |       |       |
| 198     | 87.9  | 77.8  | 116.8 |       |
| 97      | 58.8  | 46.2  | 69.2  |       |
| 132     | 28.5  | 22.7  | 34.1  |       |





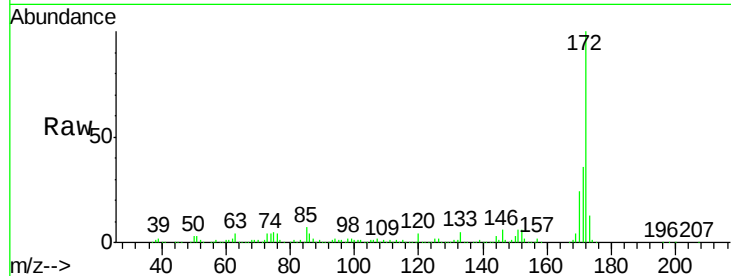
#45  
2-Fluorobiphenyl  
Concen: 87.140 ng  
RT: 12.80 min Scan# 1669  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

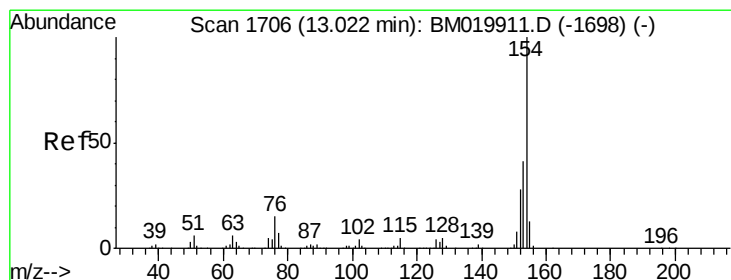
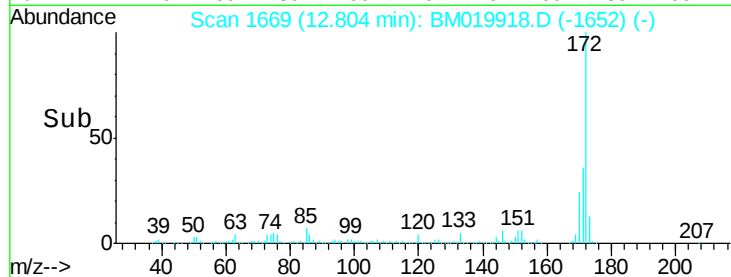
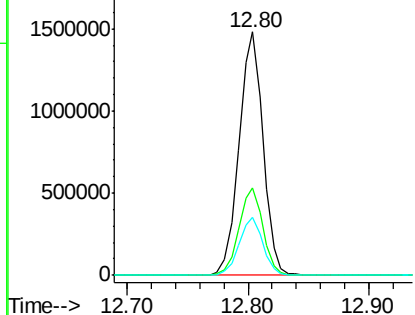
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 28.9  | 43.3  |
| 170     | 23.9  | 19.0  | 28.4  |

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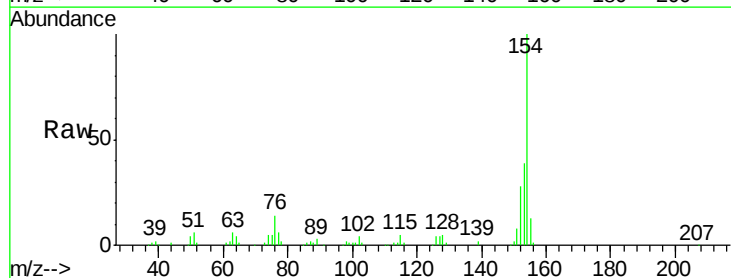


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

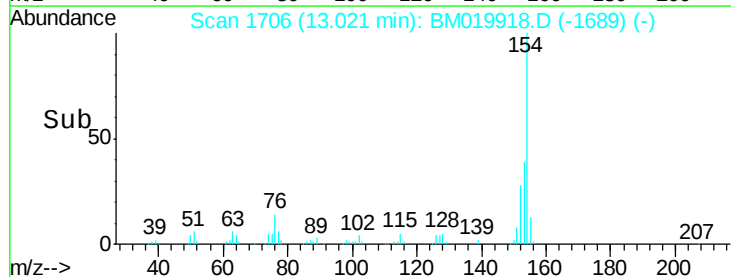
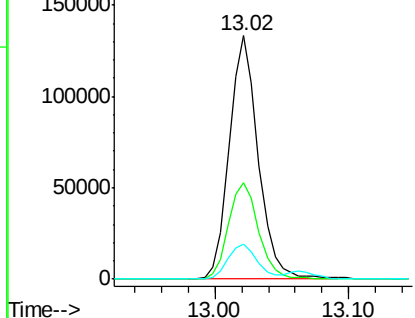


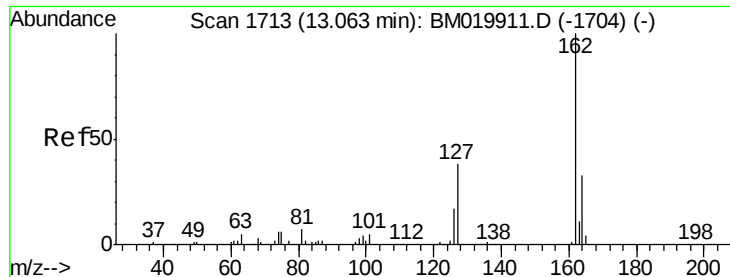
#46  
1,1'-Biphenyl  
Concen: 7.910 ng  
RT: 13.02 min Scan# 1706  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.4  | 21.0  | 61.0  |
| 76      | 14.2  | 0.0   | 34.8  |



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BM0





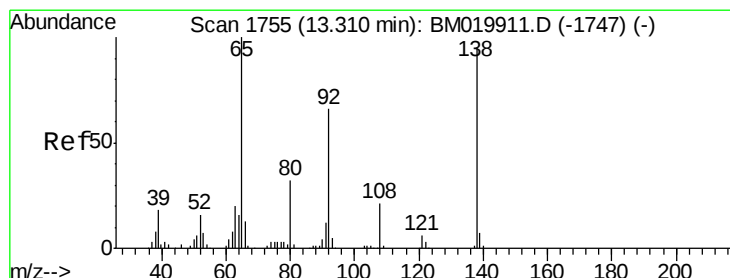
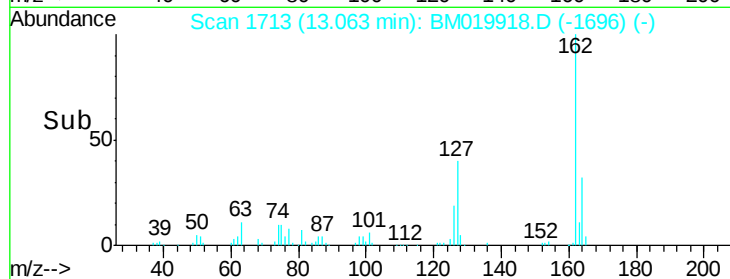
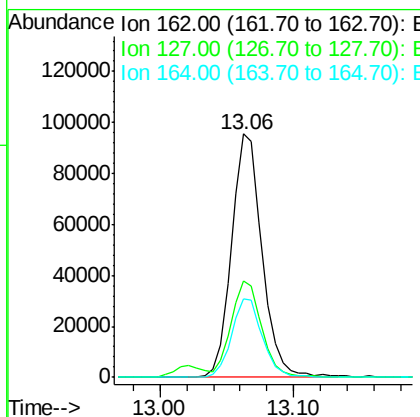
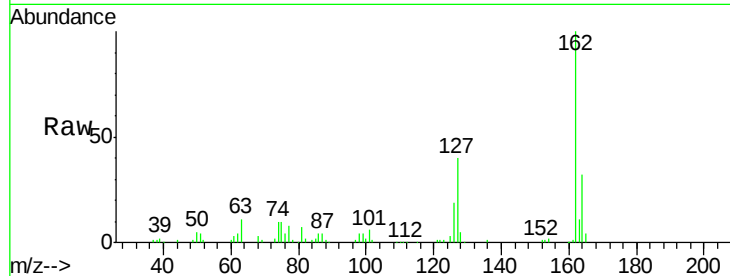
#47  
 2-Chloronaphthalene  
 Concen: 7.806 ng  
 RT: 13.06 min Scan# 1713  
 Delta R.T. -0.00 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 151845 |       |       |
| 127     | 39.6  | 32.3   | 48.5  |       |
| 164     | 32.1  | 26.3   | 39.5  |       |

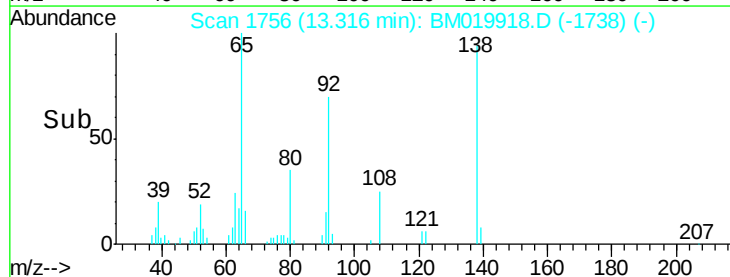
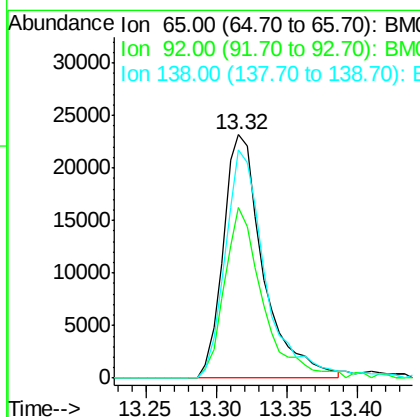
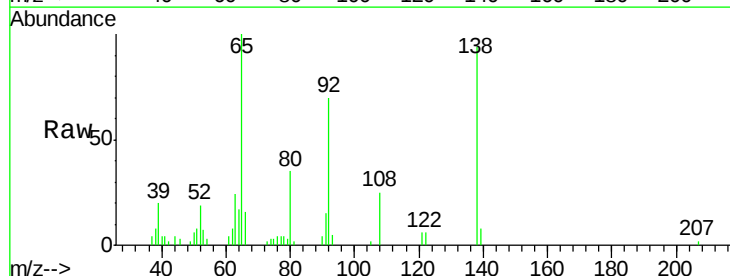
Manual Integrations  
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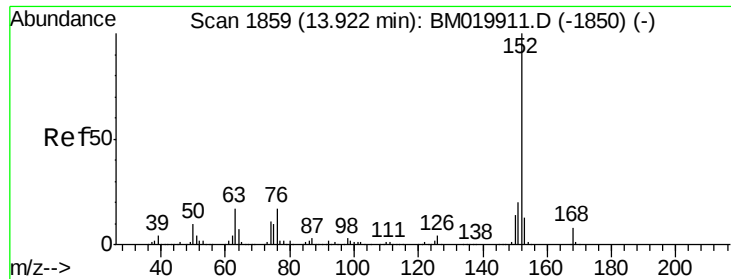
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#48  
 2-Nitroaniline  
 Concen: 6.534 ng  
 RT: 13.32 min Scan# 1756  
 Delta R.T. 0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 65      | 100   | 45817 |       |       |
| 92      | 70.2  | 52.9  | 79.3  |       |
| 138     | 93.9  | 75.8  | 113.6 |       |





#49

Acenaphthylene

Concen: 7.583 ng

RT: 13.92 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

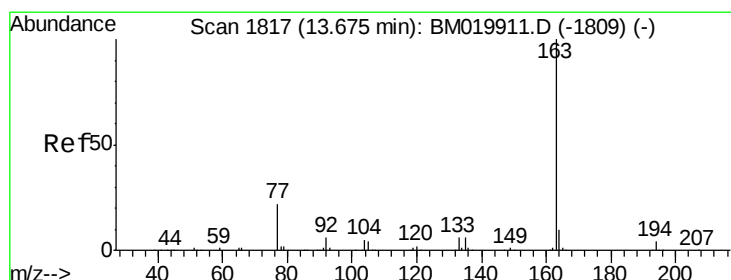
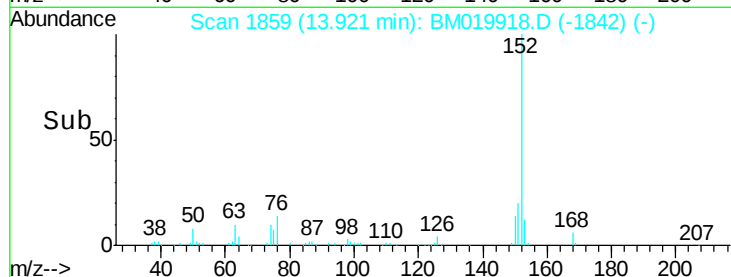
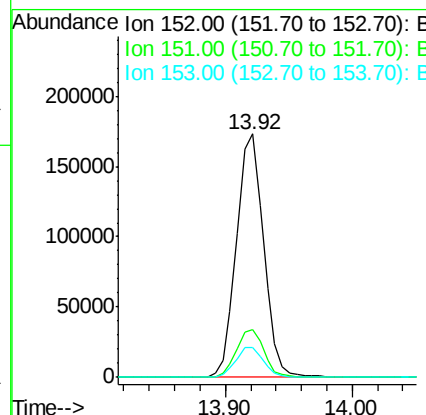
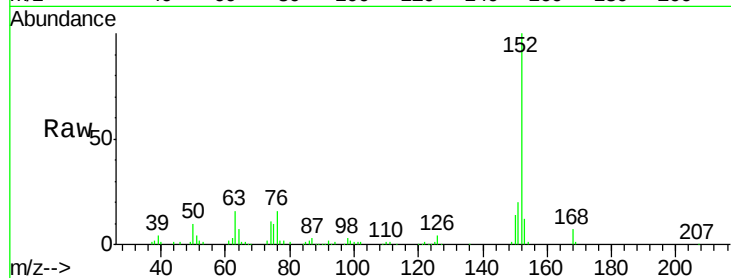
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 256655 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 19.7  | 16.2  | 24.2   |
| 153       | 12.5  | 10.6  | 16.0   |

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#50

Dimethylphthalate

Concen: 7.880 ng

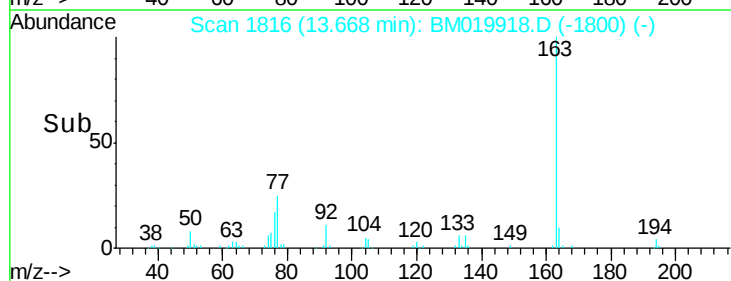
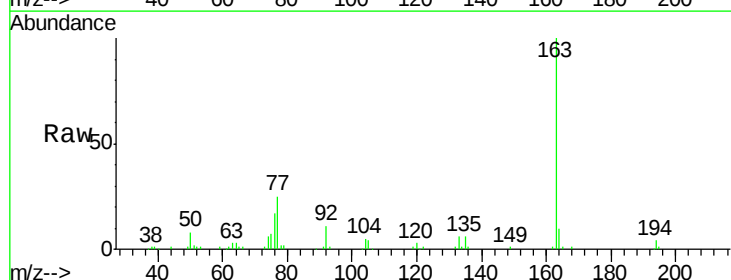
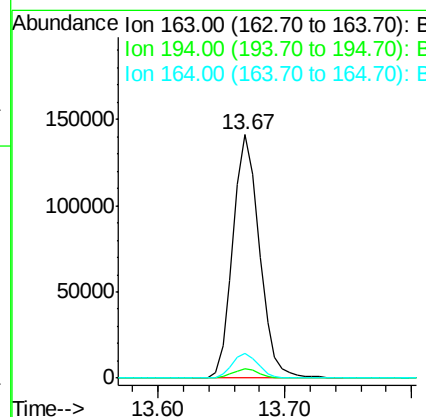
RT: 13.67 min Scan# 1816

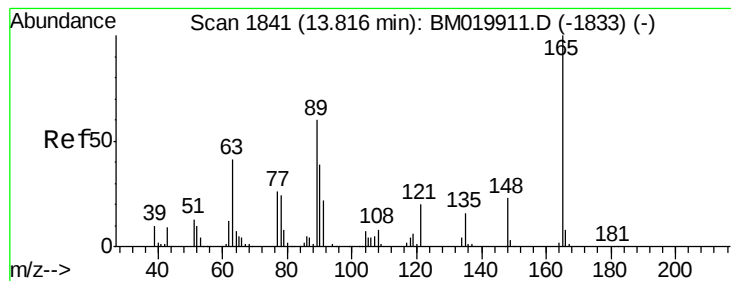
Delta R.T. -0.01 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 204663 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.9   | 3.1   | 4.7    |
| 164       | 10.3  | 7.9   | 11.9   |





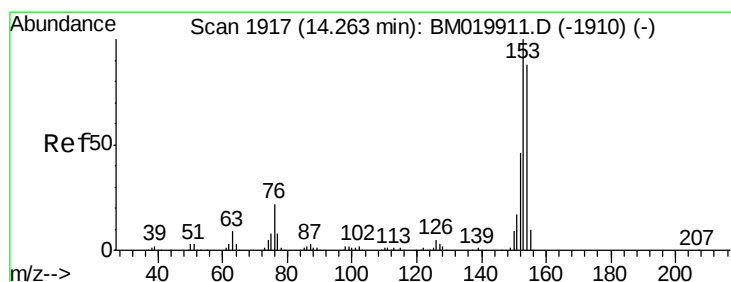
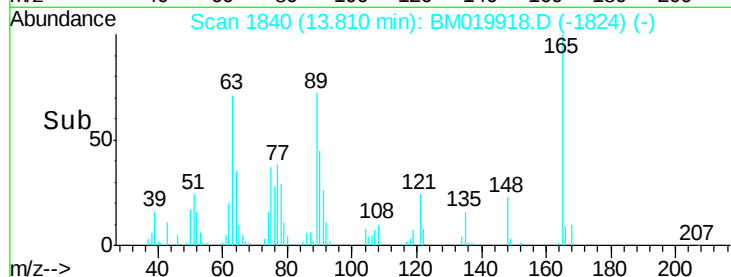
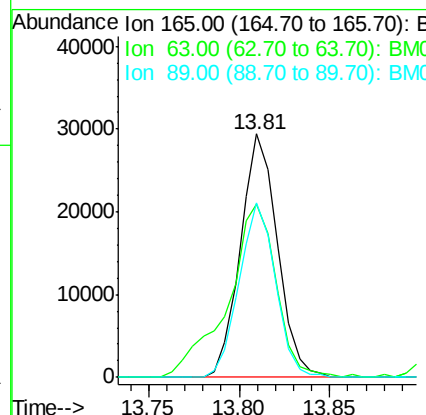
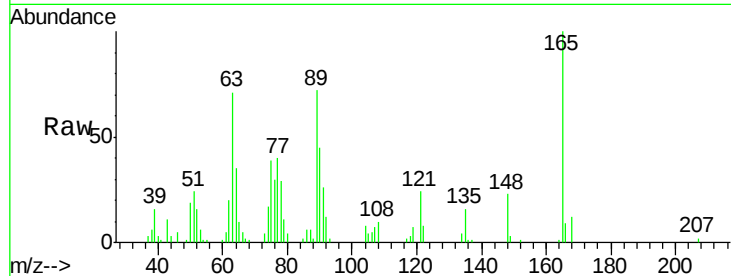
#51  
 2,6-Dinitrotoluene  
 Concen: 7.264 ng  
 RT: 13.81 min Scan# 1840  
 Delta R.T. -0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 41721 |       |       |
| 63      | 71.2  | 48.5  | 72.7  |       |
| 89      | 71.6  | 48.2  | 72.4  |       |

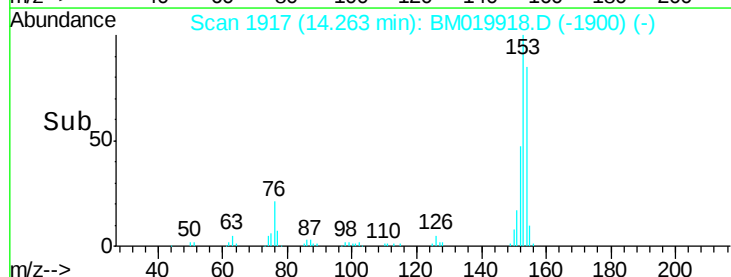
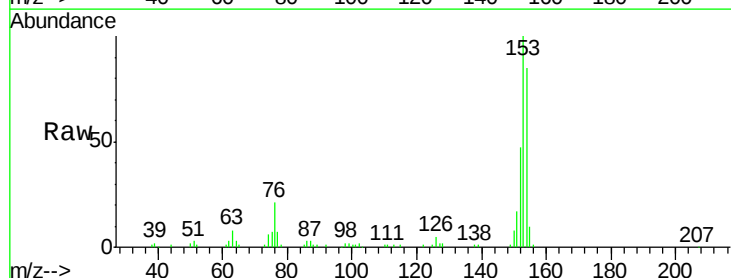
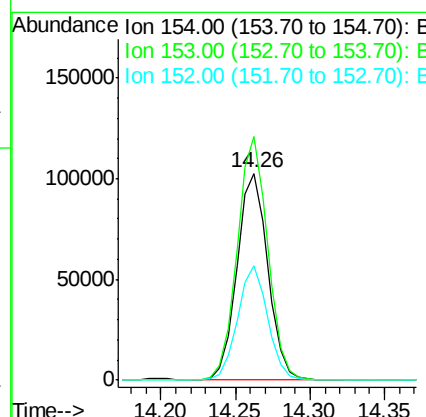
Manual Integrations  
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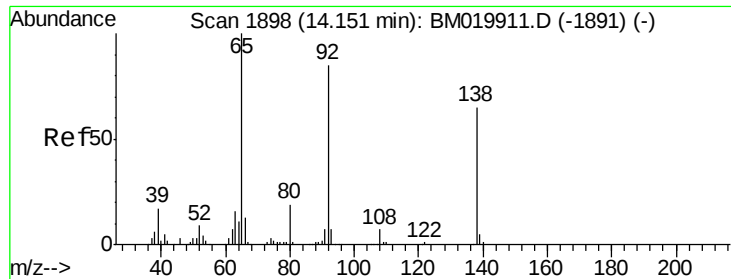
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 4/16/2019 5:25:44 PM



#52  
 Acenaphthene  
 Concen: 7.883 ng  
 RT: 14.26 min Scan# 1917  
 Delta R.T. -0.00 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 147948 |       |       |
| 153     | 117.8 | 91.0   | 136.4 |       |
| 152     | 55.2  | 42.2   | 63.2  |       |





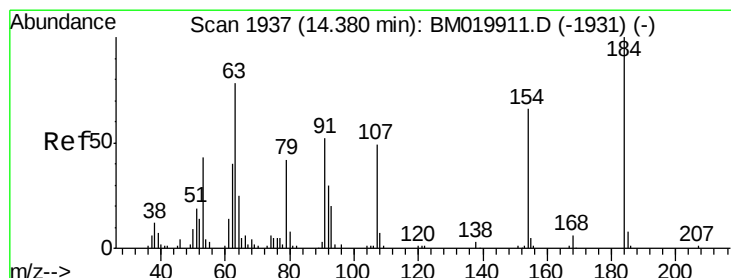
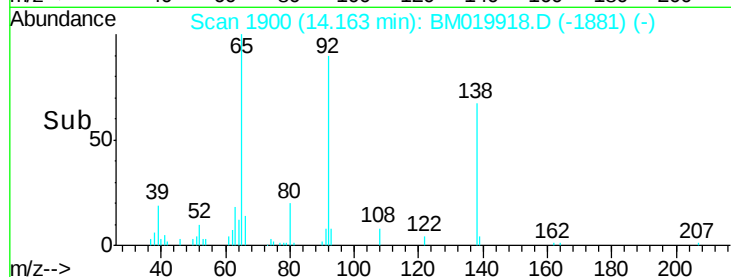
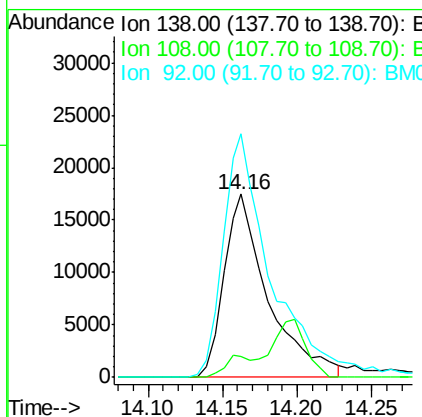
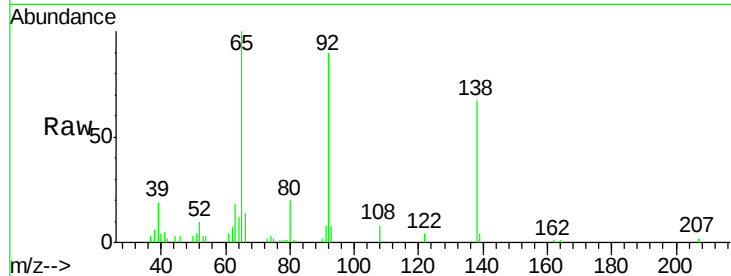
#53  
 3-Nitroaniline  
 Concen: 6.297 ng  
 RT: 14.16 min Scan# 1900  
 Delta R.T. 0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 11.2  | 8.9   | 13.3  |
| 92      | 133.0 | 103.8 | 155.8 |

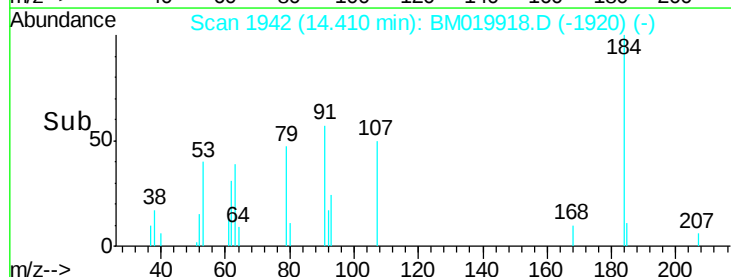
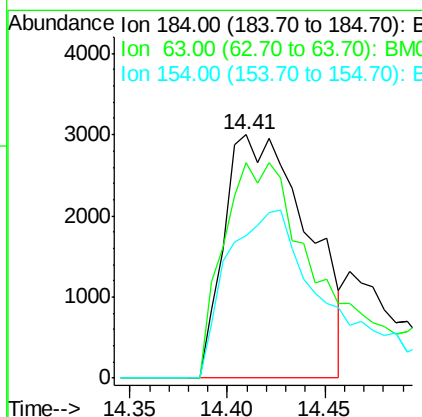
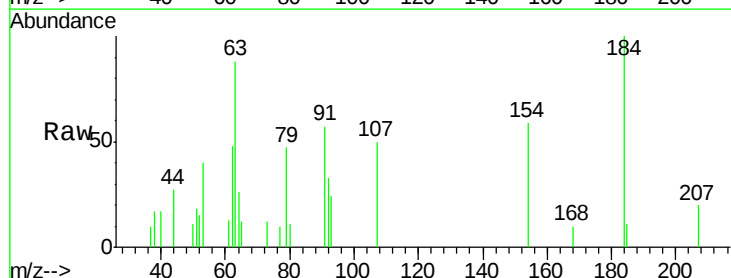
Manual Integrations  
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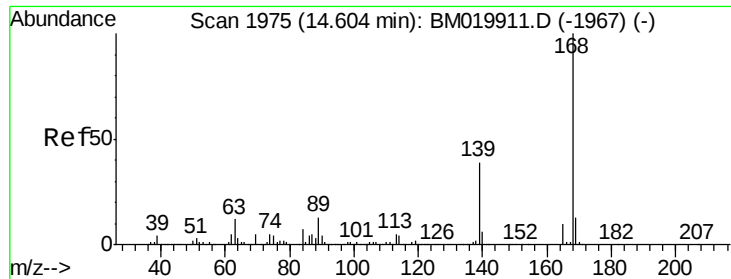
Sohil  
 4/16/2019 5:25:44 PM



#54  
 2,4-Dinitrophenol  
 Concen: 9.823 ng  
 RT: 14.41 min Scan# 1942  
 Delta R.T. 0.03 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 88.4  | 62.3  | 93.5  |
| 154     | 58.6  | 53.0  | 79.6  |





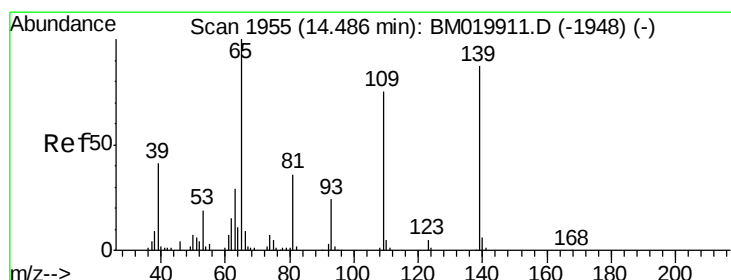
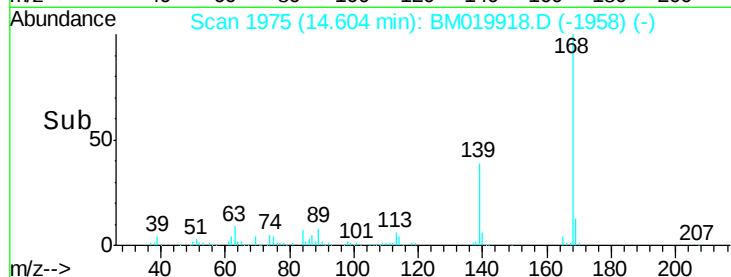
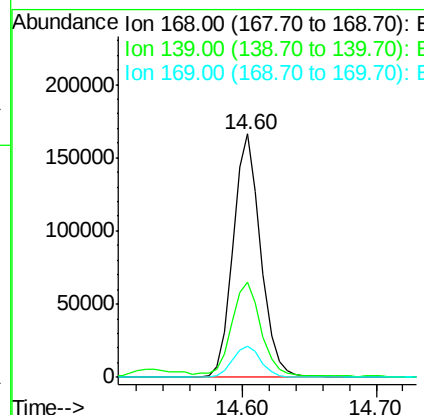
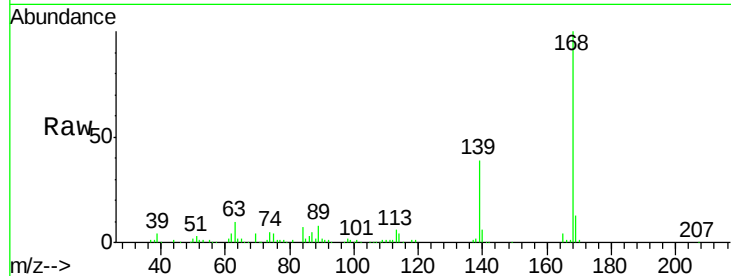
#55  
Dibenzenofuran  
Concen: 7.823 ng  
RT: 14.60 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 240093 |       |       |
| 139     | 38.9  | 31.5   | 47.3  |       |
| 169     | 12.9  | 10.6   | 16.0  |       |

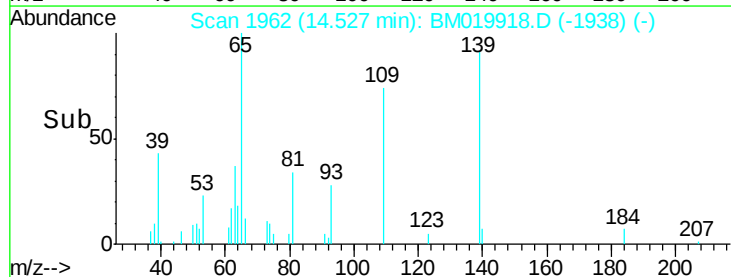
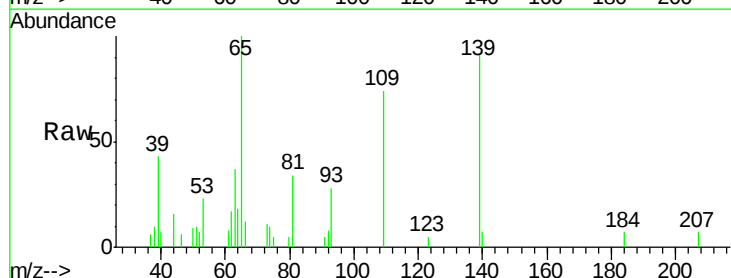
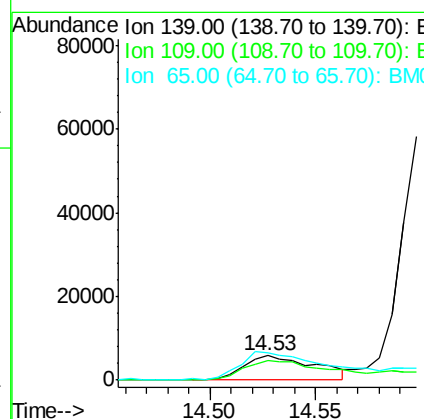
Manual Integrations  
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#56  
4-Nitrophenol  
Concen: 8.636 ng  
RT: 14.53 min Scan# 1962  
Delta R.T. 0.04 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

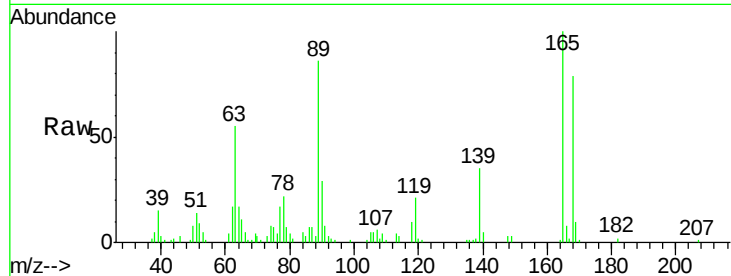
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 139     | 100   | 13557 |       |       |
| 109     | 81.2  | 65.3  | 105.3 |       |
| 65      | 109.5 | 94.9  | 134.9 |       |





#57  
 2,4-Dinitrotoluene  
 Concen: 6.874 ng  
 RT: 14.62 min Scan# 1978  
 Delta R.T. 0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

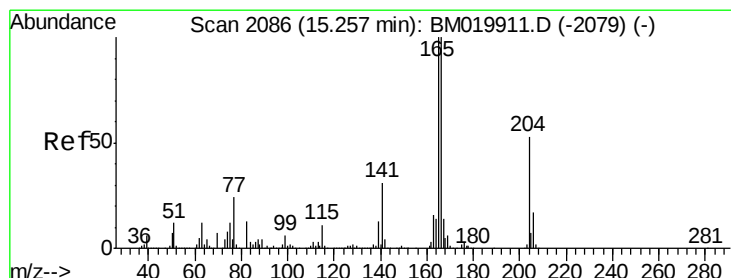
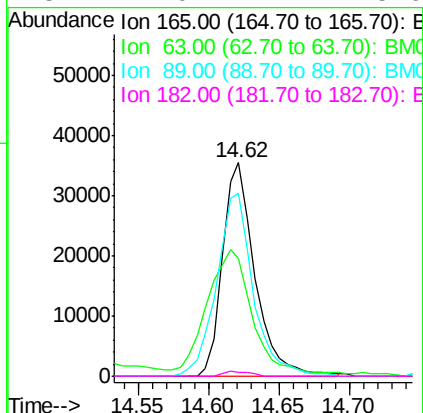
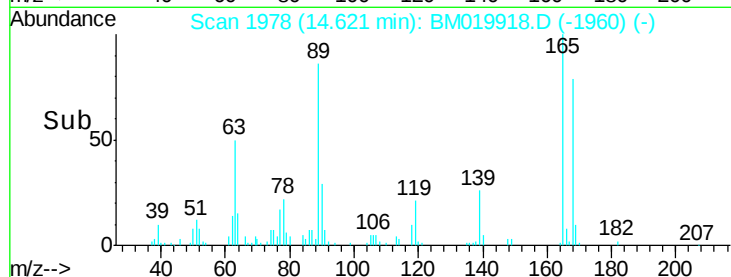
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019



Tgt Ion:165 Resp: 56748  
 Ion Ratio Lower Upper  
 165 100  
 63 55.0 46.0 69.0  
 89 85.8 67.5 101.3  
 182 2.0 2.4 3.6#

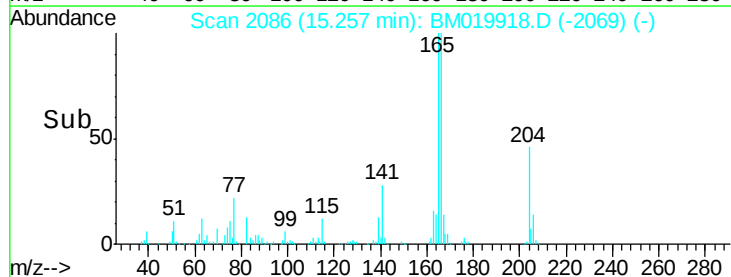
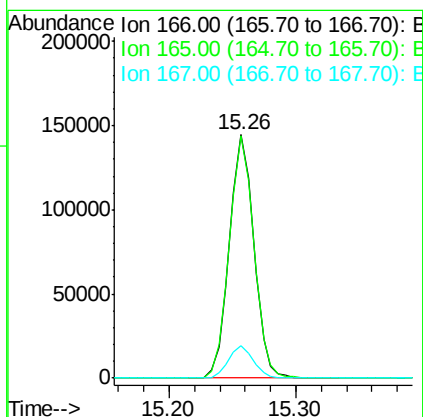
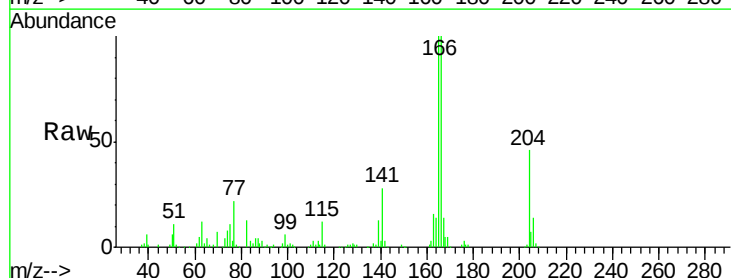
Manual Integrations  
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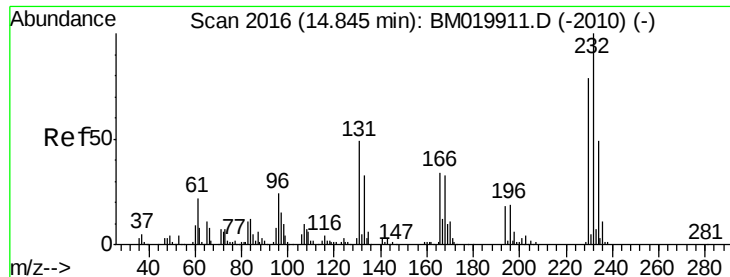
Sohil  
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#58  
 Fluorene  
 Concen: 7.469 ng  
 RT: 15.26 min Scan# 2086  
 Delta R.T. -0.00 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Tgt Ion:166 Resp: 194227  
 Ion Ratio Lower Upper  
 166 100  
 165 99.6 80.1 120.1  
 167 13.5 11.0 16.4





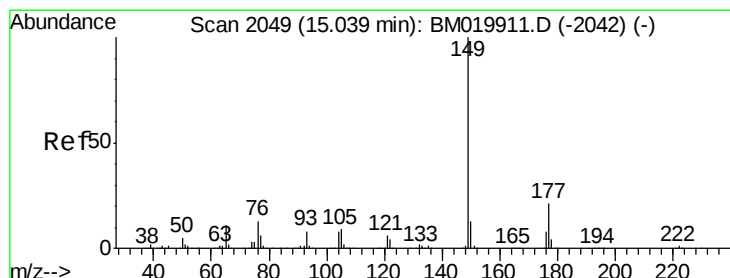
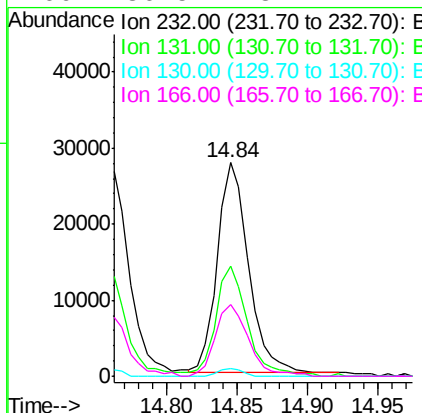
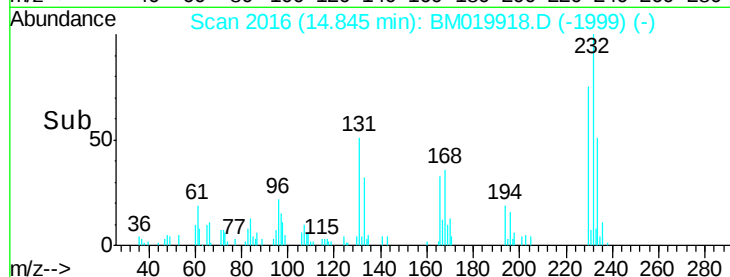
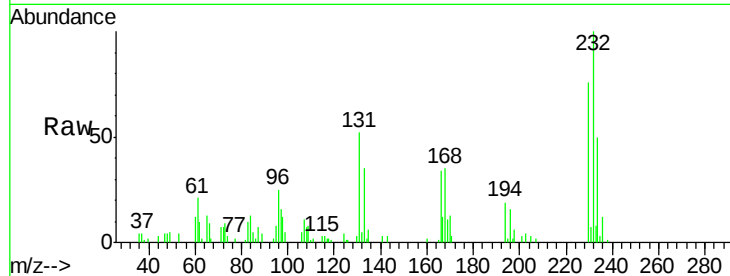
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 7.284 ng  
RT: 14.84 min Scan# 2016  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 232     | 100   | 42603 |       |       |
| 131     | 53.1  | 42.1  | 63.1  |       |
| 130     | 2.8   | 2.2   | 3.4   |       |
| 166     | 36.5  | 28.1  | 42.1  |       |

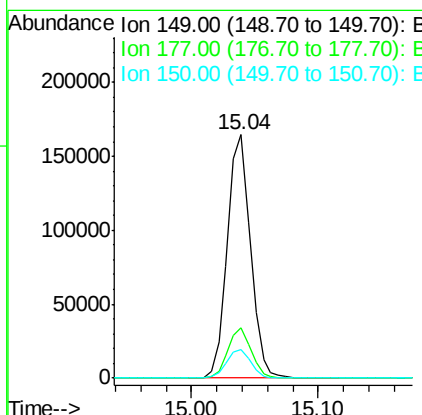
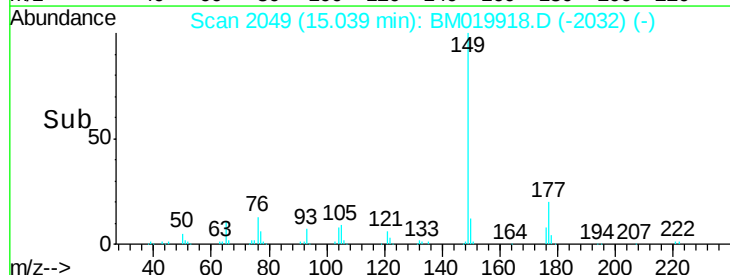
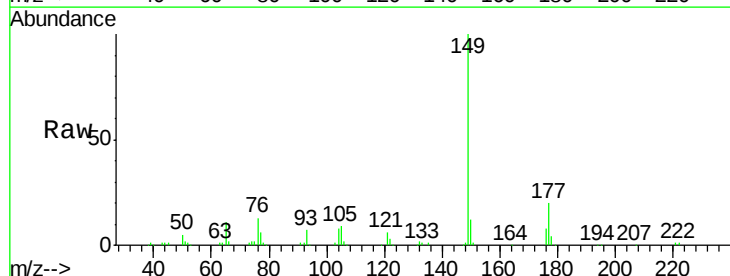
Manual Integrations  
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#60  
Diethylphthalate  
Concen: 7.712 ng  
RT: 15.04 min Scan# 2049  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 208327 |       |       |
| 177     | 20.4  | 16.6   | 25.0  |       |
| 150     | 12.0  | 10.0   | 15.0  |       |





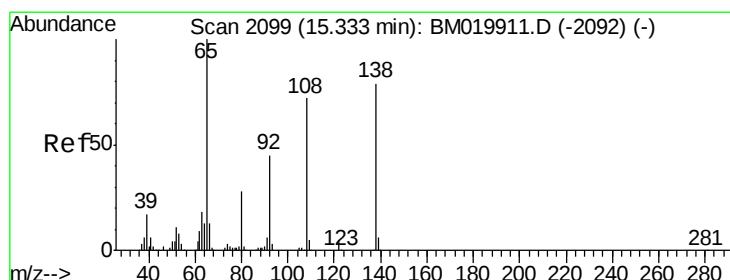
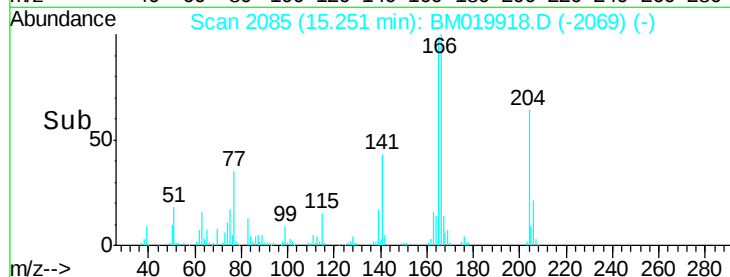
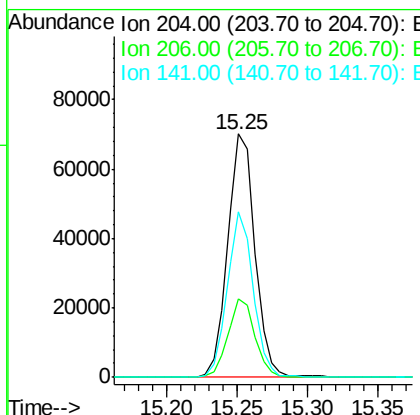
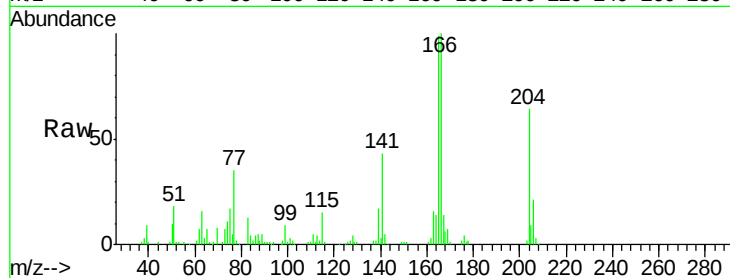
#61  
4-Chlorophenyl-phenylether  
Concen: 7.515 ng  
RT: 15.25 min Scan# 2085  
Delta R.T. -0.01 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 204     | 100   | 94093 |       |       |
| 206     | 32.5  | 25.8  | 38.8  |       |
| 141     | 67.8  | 47.0  | 70.4  |       |

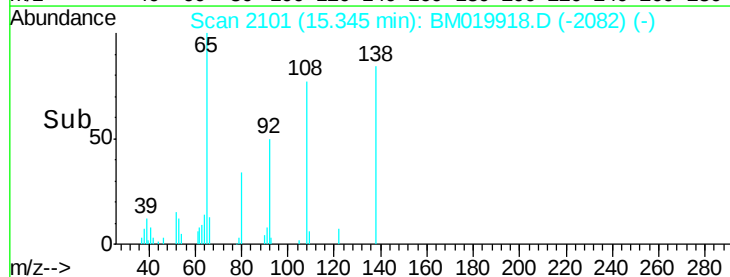
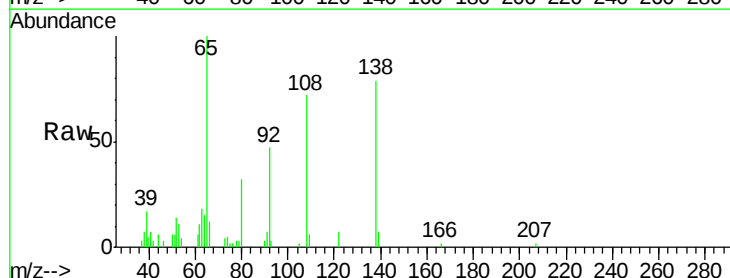
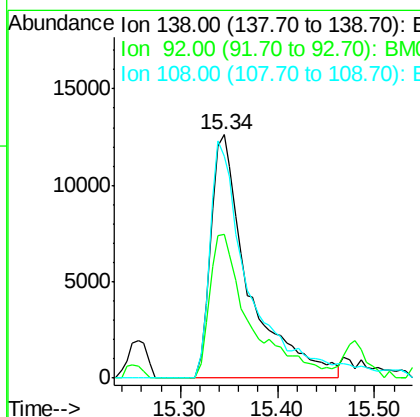
Manual Integrations  
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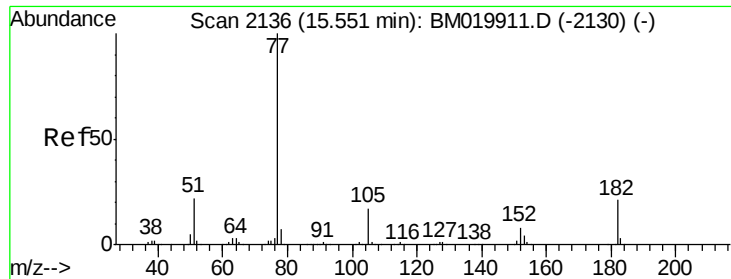
Sohil  
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#62  
4-Nitroaniline  
Concen: 6.026 ng m  
RT: 15.34 min Scan# 2101  
Delta R.T. 0.01 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 138     | 100   | 34050 |       |       |
| 92      | 59.0  | 36.8  | 76.8  |       |
| 108     | 91.3  | 71.5  | 111.5 |       |





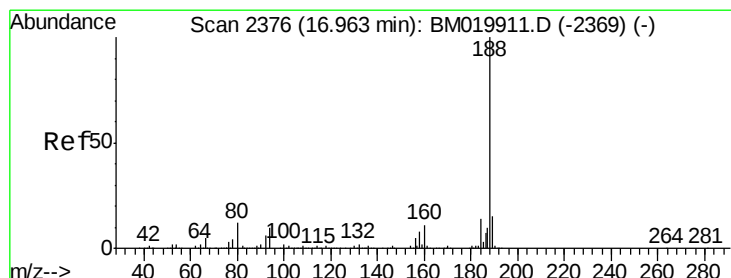
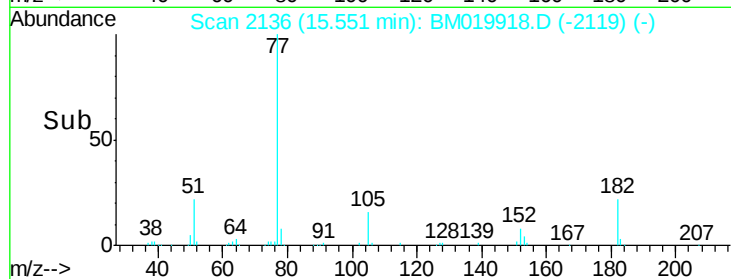
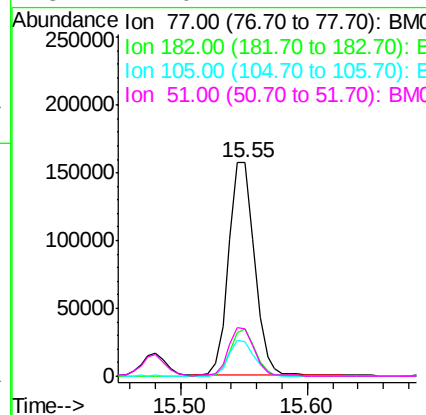
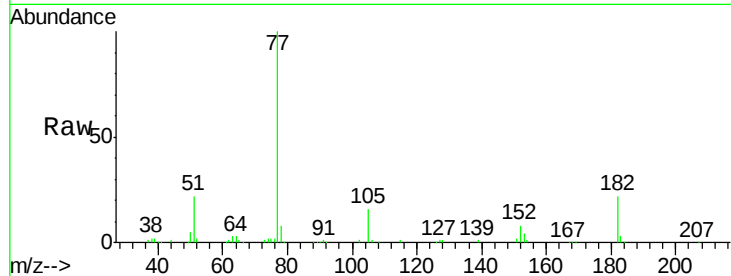
#63  
Azobenzene  
Concen: 7.678 ng  
RT: 15.55 min Scan# 2136  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 221676 |       |       |
| 182     | 22.3  | 1.0    | 41.0  |       |
| 105     | 16.4  | 0.0    | 37.1  |       |
| 51      | 22.0  | 2.1    | 42.1  |       |

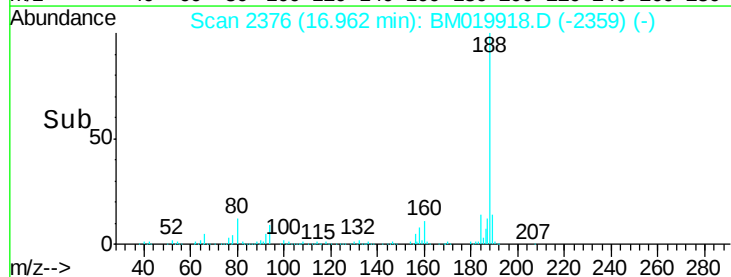
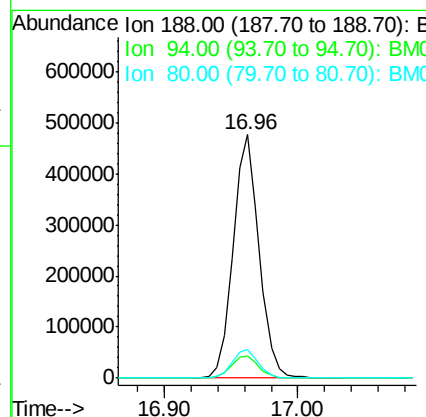
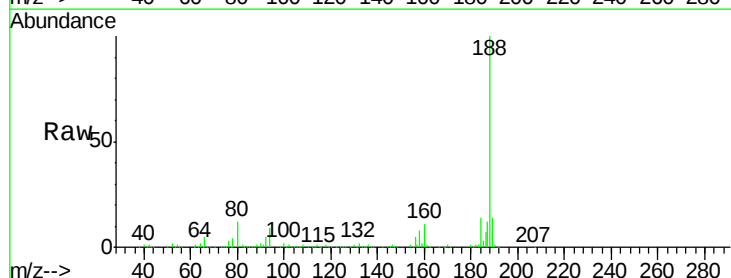
Manual Integrations  
APPROVED

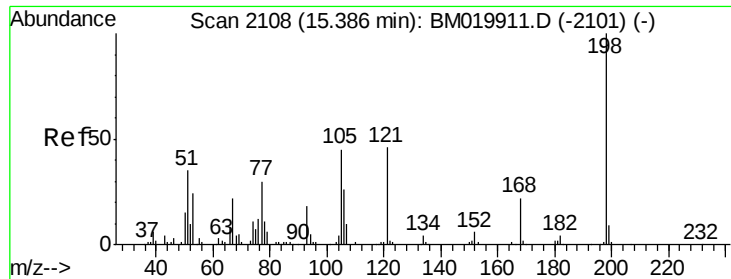
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4/16/2019 5:25:44 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.96 min Scan# 2376  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 645915 |       |       |
| 94      | 9.1   | 7.6    | 11.4  |       |
| 80      | 11.5  | 9.4    | 14.0  |       |





#65

4,6-Dinitro-2-methylphenol

Concen: 5.224 ng

RT: 15.40 min Scan# 2111

Delta R.T. 0.02 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

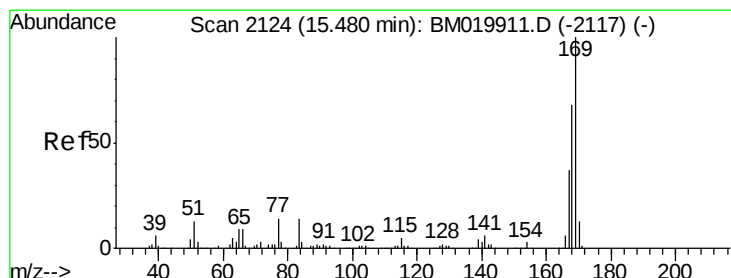
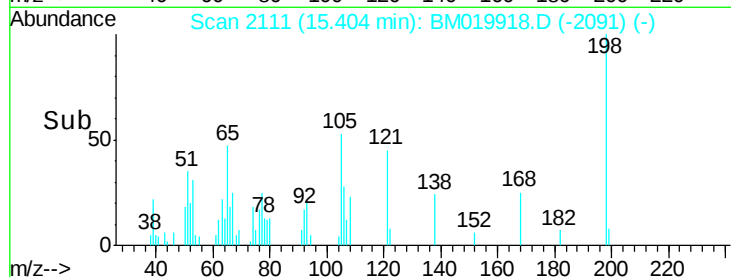
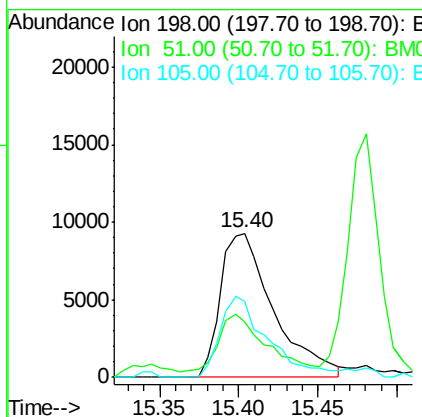
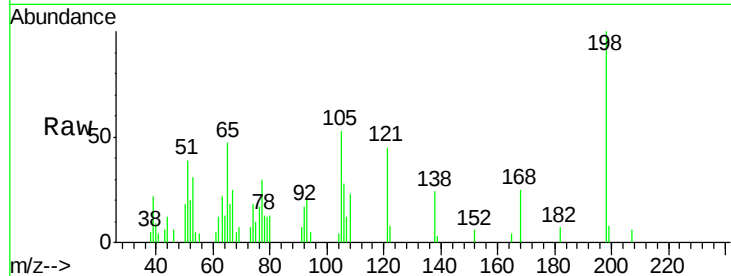
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 198   | Resp: | 21530 |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 38.7  | 17.9  | 57.9  |
| 105       | 53.0  | 26.1  | 66.1  |

Manual Integrations  
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#66

n-Nitrosodiphenylamine

Concen: 7.742 ng

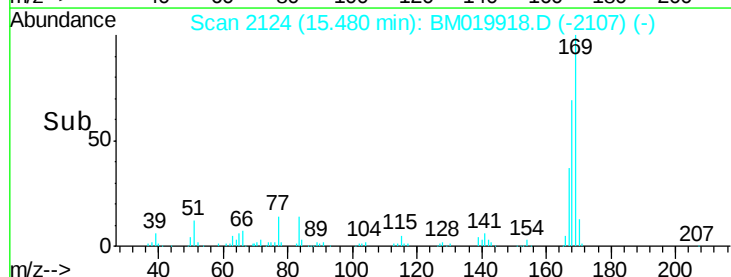
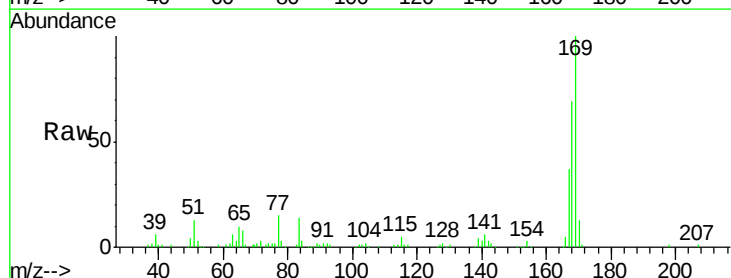
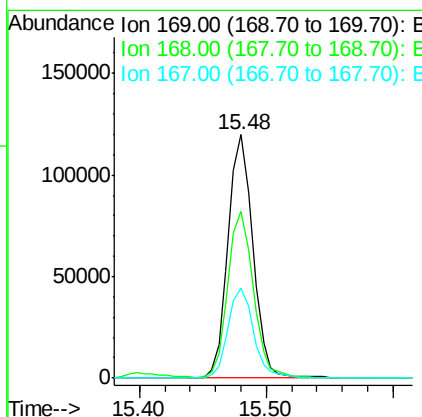
RT: 15.48 min Scan# 2124

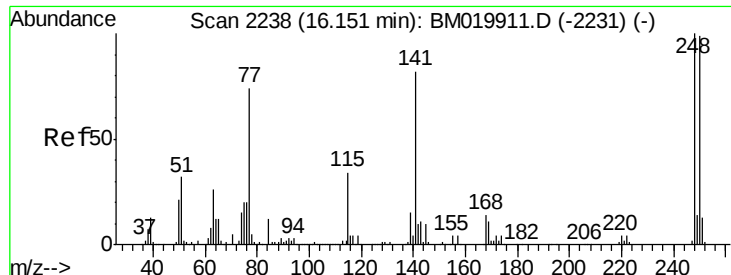
Delta R.T. -0.00 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 163475 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 68.6  | 54.7  | 82.1   |
| 167       | 37.1  | 29.4  | 44.0   |





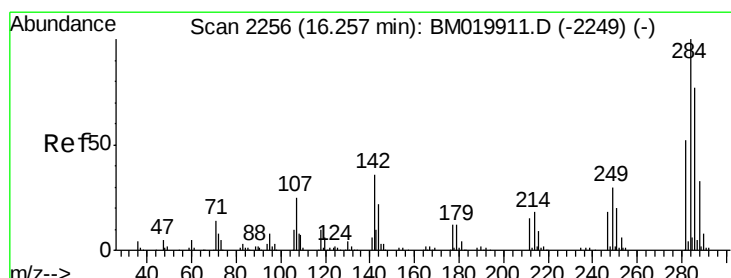
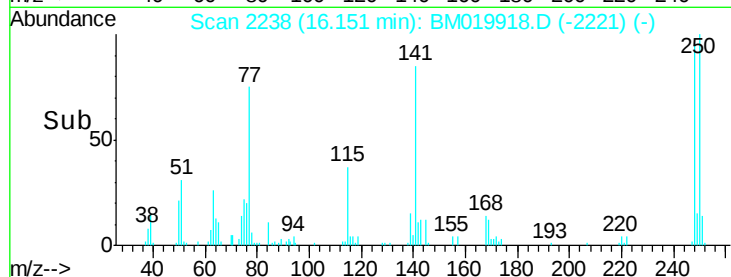
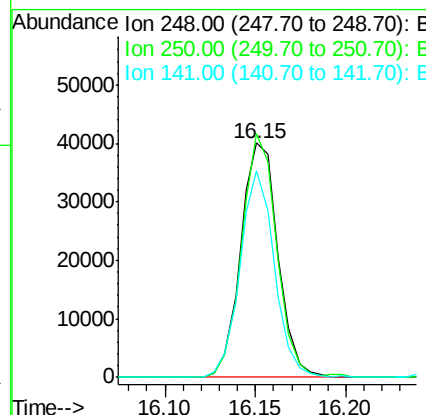
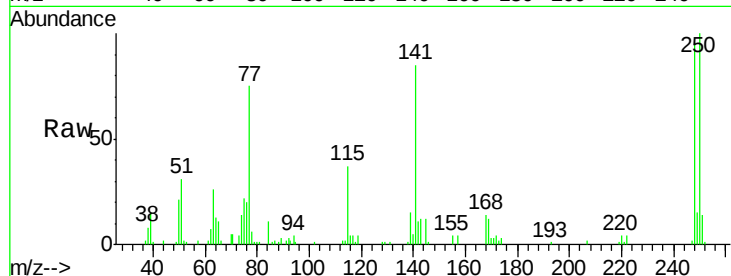
#67  
 4-Bromophenyl-phenylether  
 Concen: 7.663 ng  
 RT: 16.15 min Scan# 2238  
 Delta R.T. -0.00 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 104.0 | 78.9  | 118.3 |
| 141     | 88.1  | 65.6  | 98.4  |

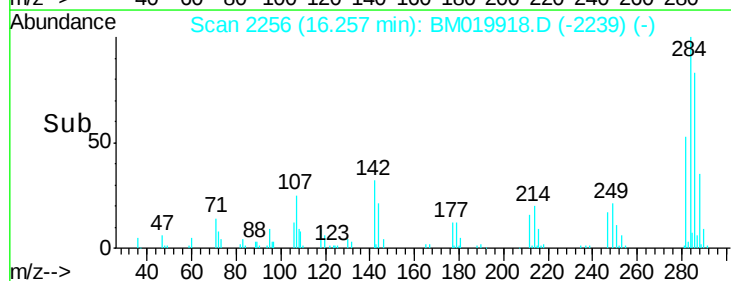
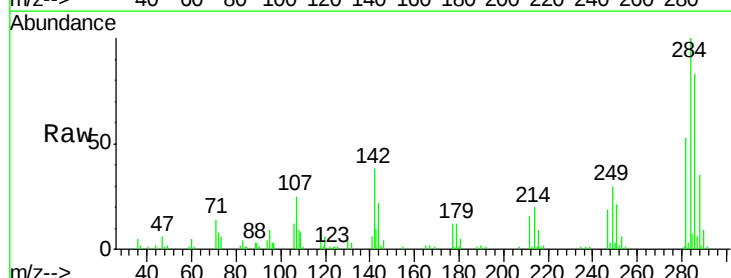
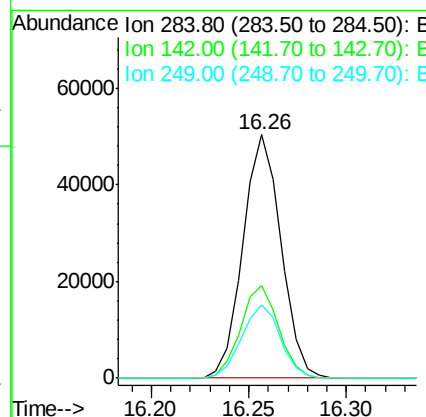
Manual Integrations  
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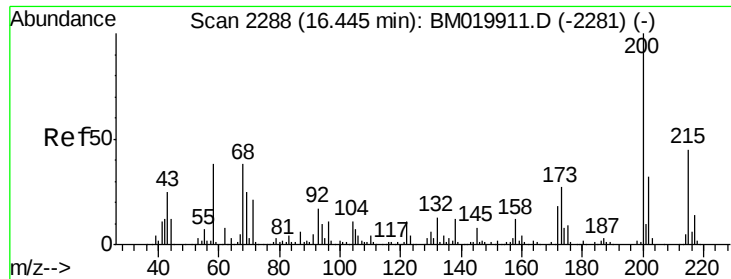
Sohil  
 4/16/2019 5:25:44 PM



#68  
 Hexachlorobenzene  
 Concen: 7.620 ng  
 RT: 16.26 min Scan# 2256  
 Delta R.T. -0.00 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 38.2  | 28.9  | 43.3  |
| 249     | 30.4  | 23.8  | 35.6  |





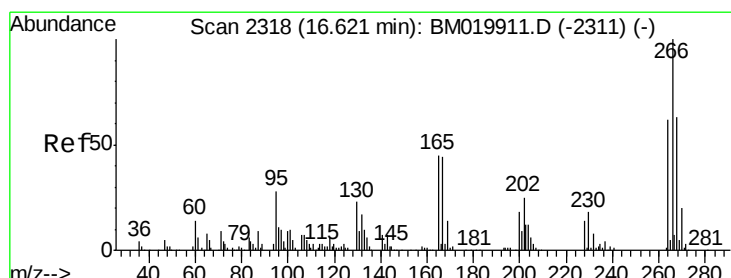
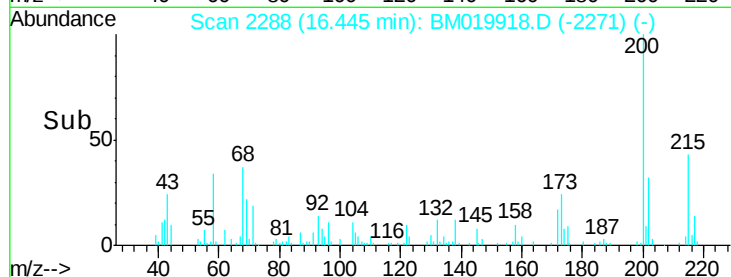
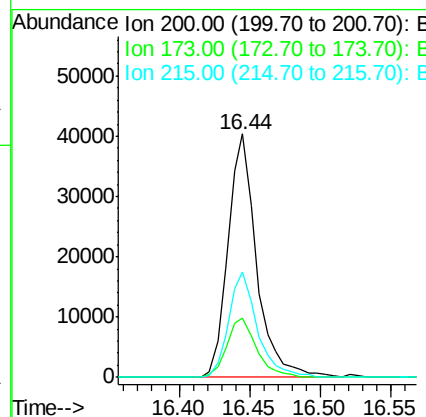
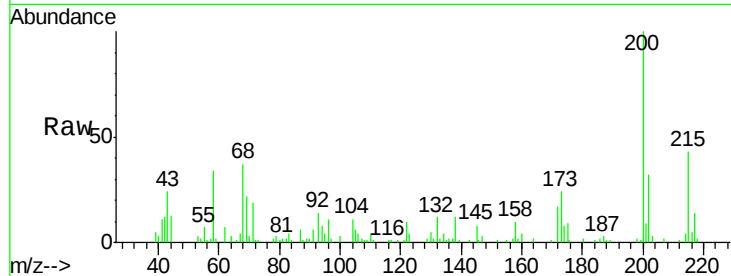
#69  
Atrazine  
Concen: 7.952 ng  
RT: 16.44 min Scan# 2288  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 200     | 100   | 57005 |       |       |
| 173     | 24.3  | 7.2   | 47.2  |       |
| 215     | 43.2  | 25.4  | 65.4  |       |

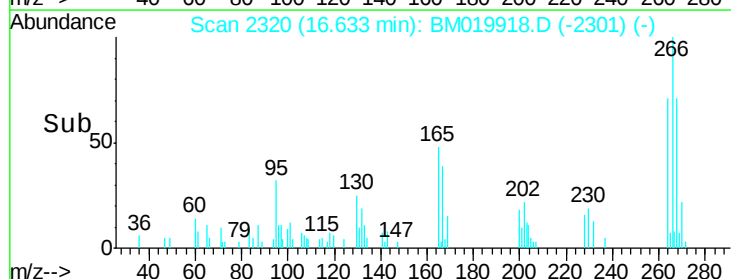
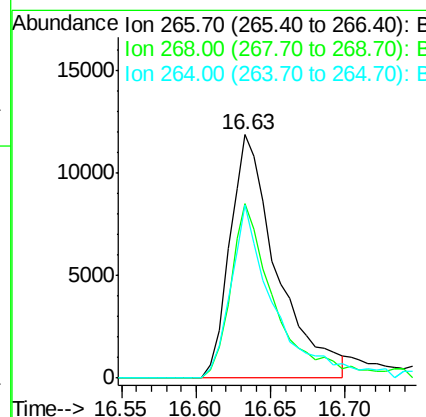
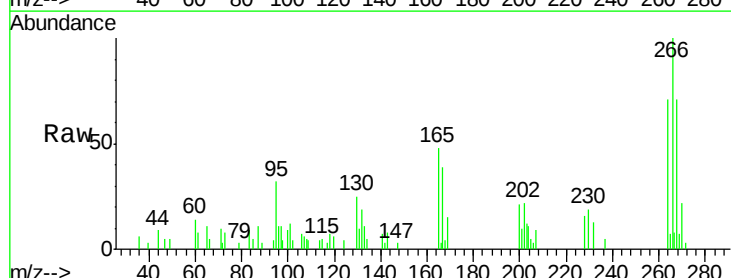
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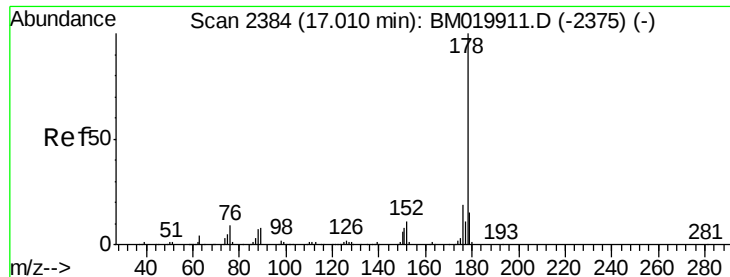
Sohil  
4/16/2019 5:25:44 PM



#70  
Pentachlorophenol  
Concen: 5.737 ng  
RT: 16.63 min Scan# 2320  
Delta R.T. 0.01 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 266     | 100   | 26118 |       |       |
| 268     | 71.5  | 50.3  | 75.5  |       |
| 264     | 71.2  | 49.8  | 74.8  |       |





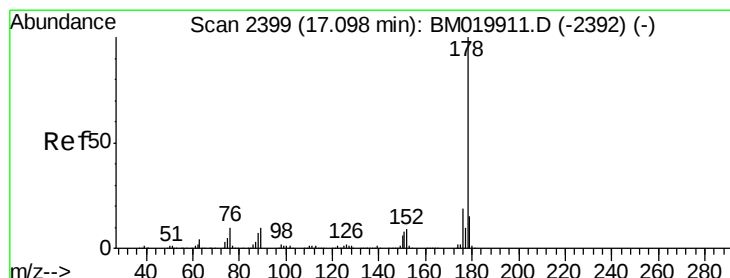
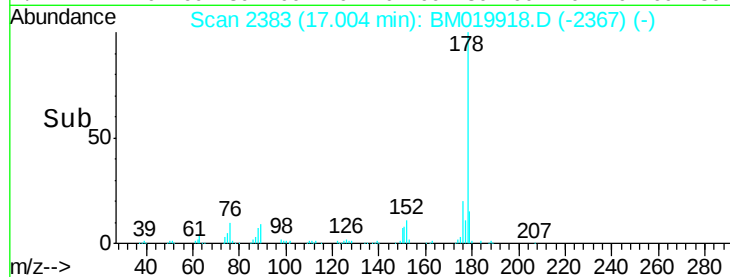
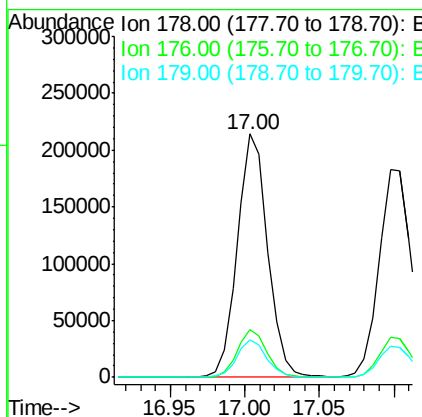
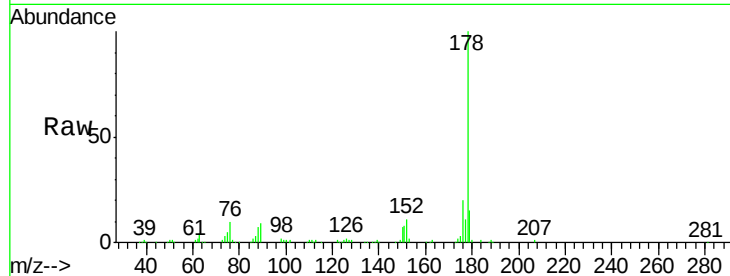
#71  
Phenanthrene  
Concen: 7.881 ng  
RT: 17.00 min Scan# 2383  
Delta R.T. -0.01 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.7  | 15.2  | 22.8  |
| 179     | 15.4  | 12.2  | 18.4  |

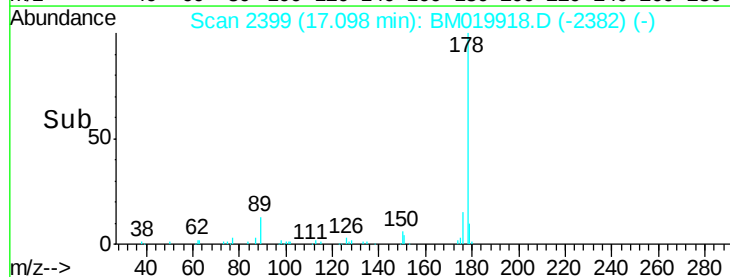
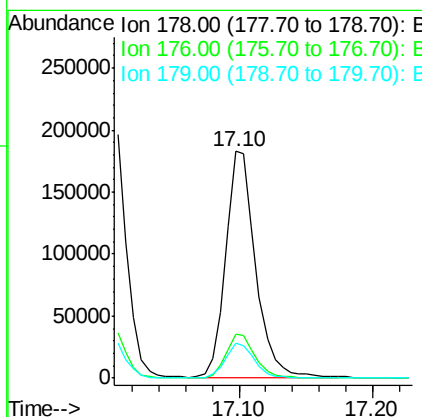
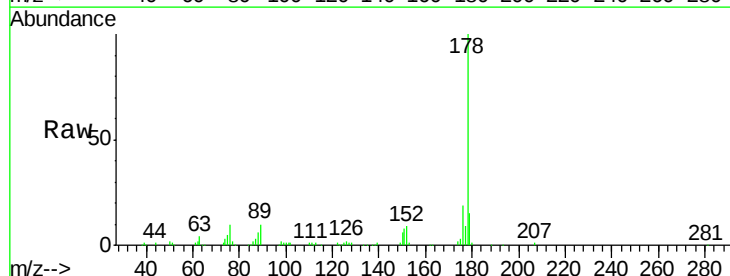
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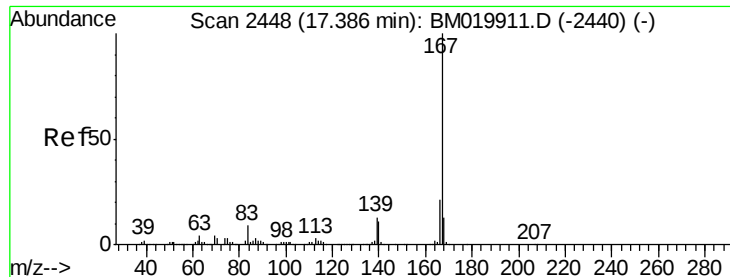
Sohil  
4/16/2019 5:25:44 PM



#72  
Anthracene  
Concen: 7.477 ng  
RT: 17.10 min Scan# 2399  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.3  | 15.0  | 22.4  |
| 179     | 15.3  | 12.2  | 18.4  |





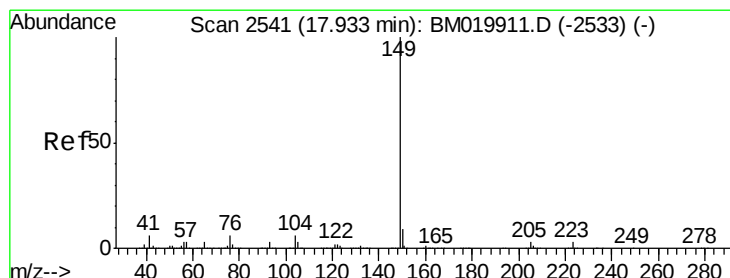
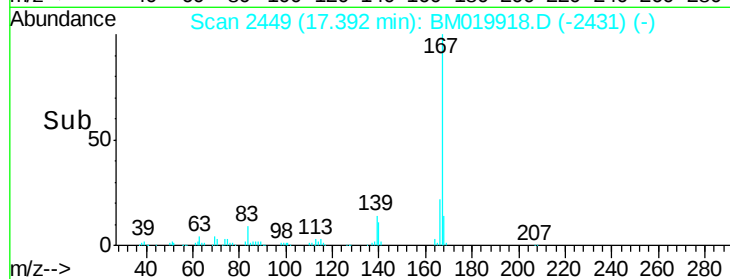
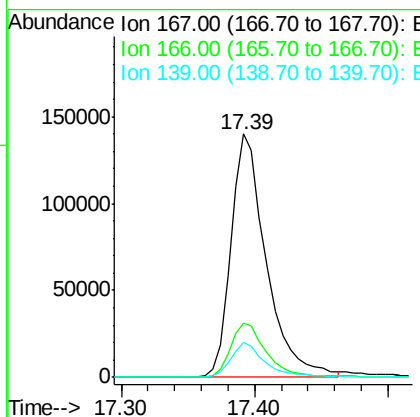
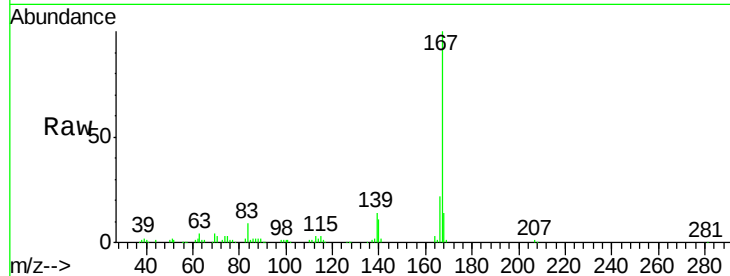
#73  
 Carbazole  
 Concen: 7.227 ng  
 RT: 17.39 min Scan# 2449  
 Delta R.T. 0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 167     | 100   | 257457 |       |       |
| 166     | 22.2  | 17.2   | 25.8  |       |
| 139     | 14.2  | 10.7   | 16.1  |       |

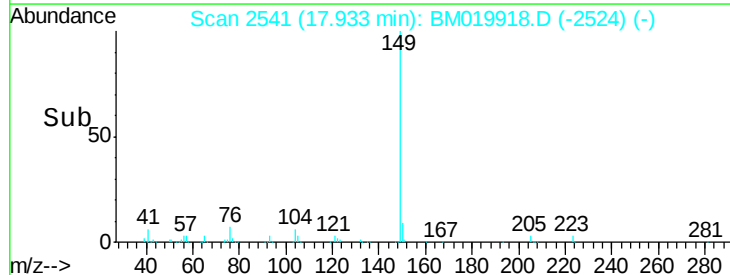
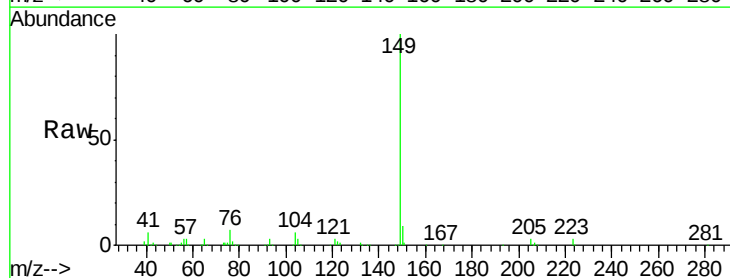
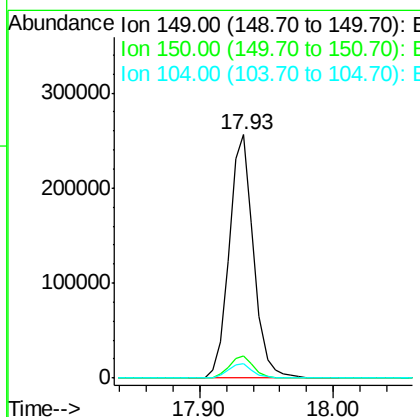
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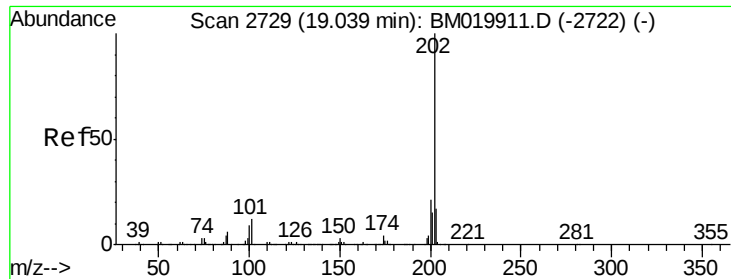
Sohil  
 4/16/2019 5:25:44 PM



#74  
 Di-n-butylphthalate  
 Concen: 6.974 ng  
 RT: 17.93 min Scan# 2541  
 Delta R.T. -0.00 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 326262 |       |       |
| 150     | 9.3   | 7.2    | 10.8  |       |
| 104     | 6.1   | 4.6    | 7.0   |       |





#75

Fluoranthene

Concen: 7.439 ng

RT: 19.04 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

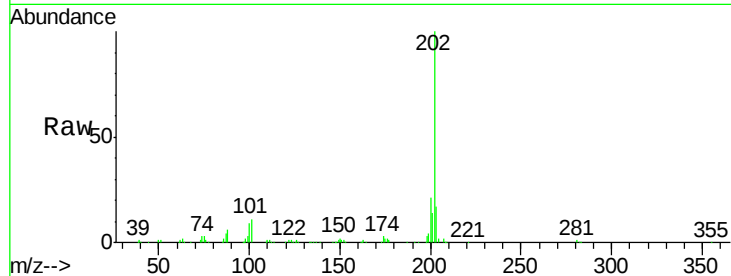
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

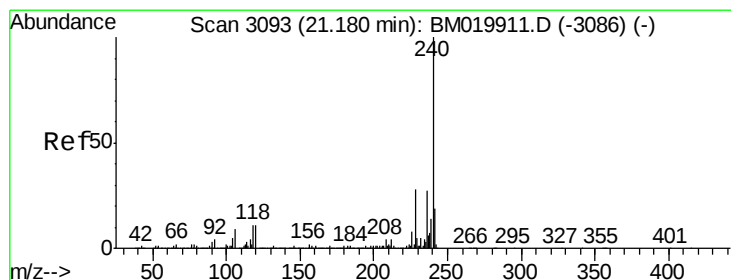
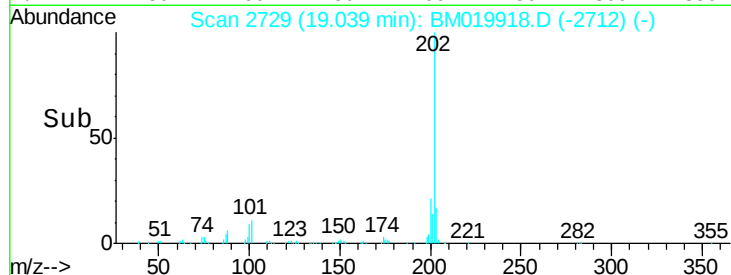
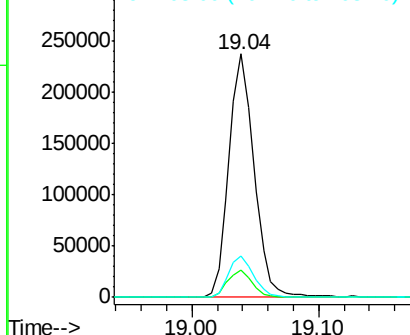
| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 202 | 100  |       | 328149 |       |       |
| 101 | 11.2 | 0.0   | 31.7   |       |       |
| 203 | 17.1 | 0.0   | 37.4   |       |       |

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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

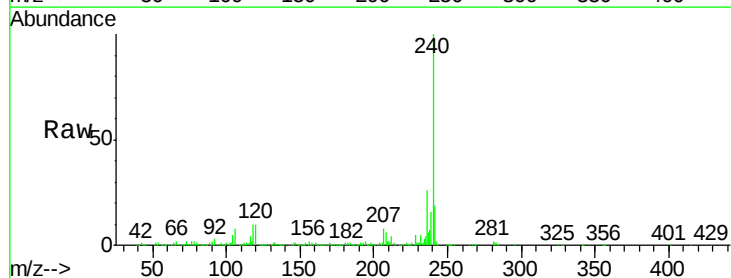
RT: 21.18 min Scan# 3093

Delta R.T. -0.00 min

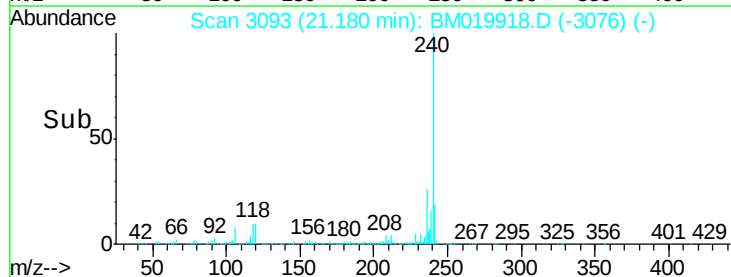
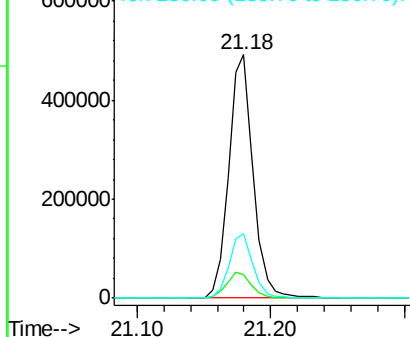
Lab File: BM019918.D

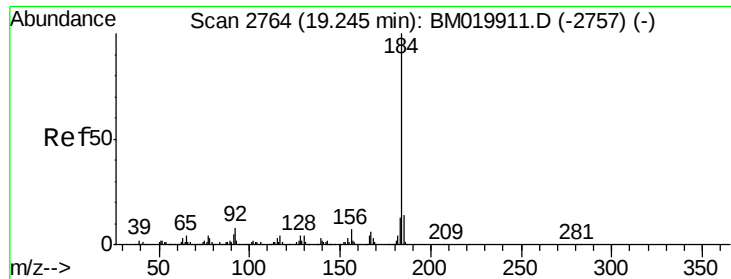
Acq: 15 Apr 2019 17:58

| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 240 | 100  |       | 626694 |       |       |
| 120 | 9.9  | 8.6   | 13.0   |       |       |
| 236 | 26.4 | 21.4  | 32.2   |       |       |



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: 5.974 ng

RT: 19.26 min Scan# 2767

Delta R.T. 0.02 min

Lab File: BM019918.D

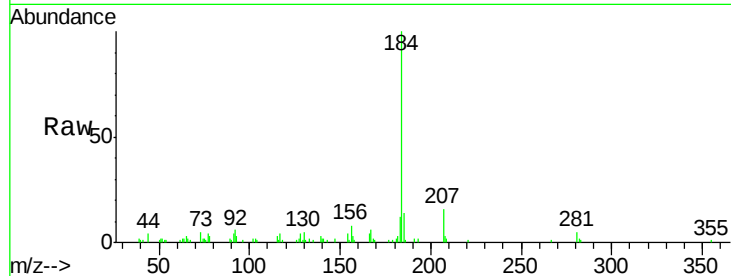
Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

ClientSampleId :

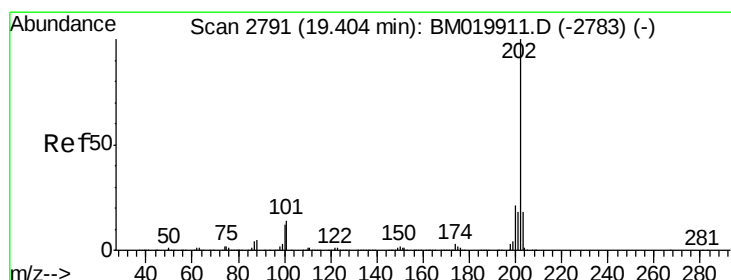
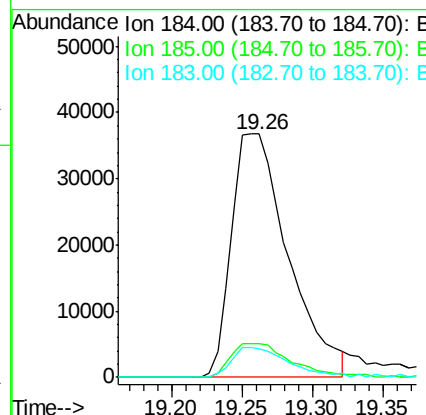
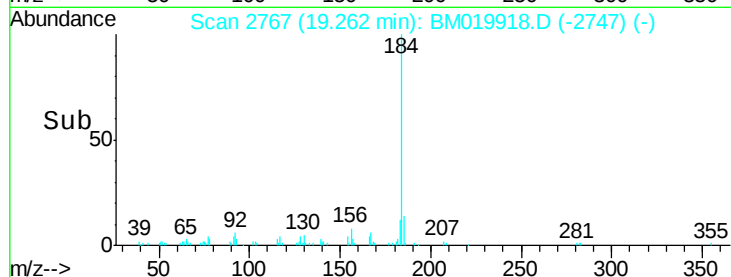
LOD-MDL-SOIL-01-QT1-2019



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 103295 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 13.6  | 11.0  | 16.6   |
| 183       | 11.7  | 10.1  | 15.1   |

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#78

Pyrene

Concen: 8.226 ng

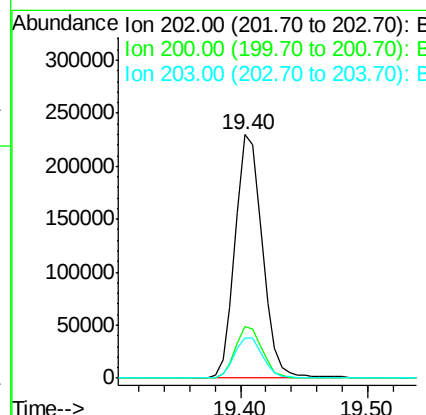
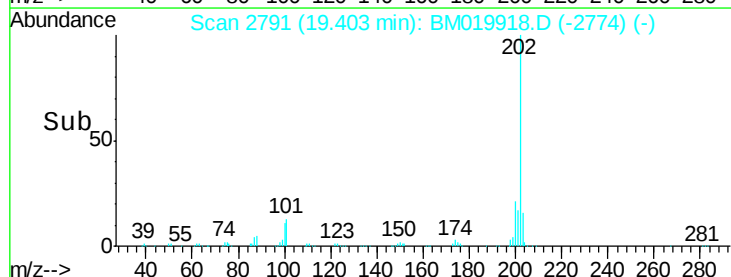
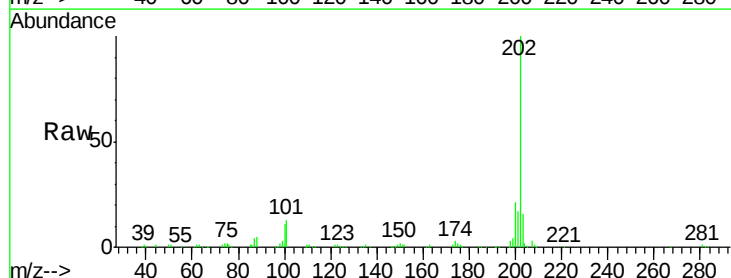
RT: 19.40 min Scan# 2791

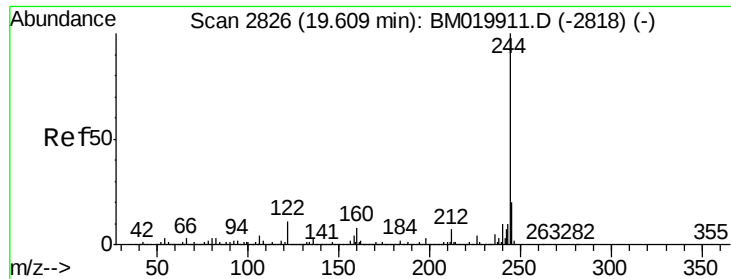
Delta R.T. -0.00 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 341407 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.3  | 17.0  | 25.4   |
| 203       | 16.4  | 14.0  | 21.0   |





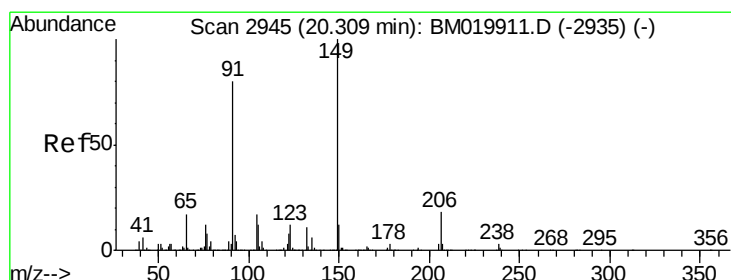
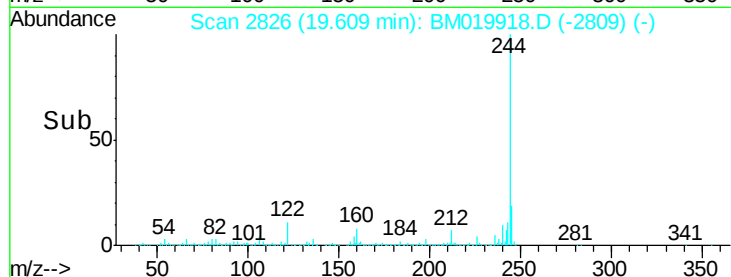
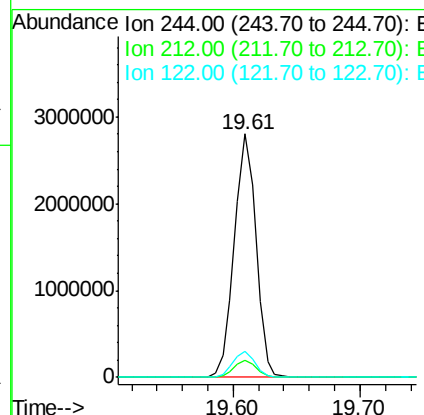
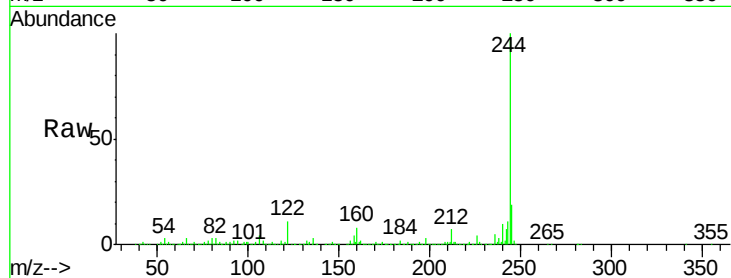
#79  
 Terphenyl-d14  
 Concen: 92.968 ng  
 RT: 19.61 min Scan# 2826  
 Delta R.T. -0.00 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:244 Resp: 3303173  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.7 8.5  
 122 10.9 9.1 13.7

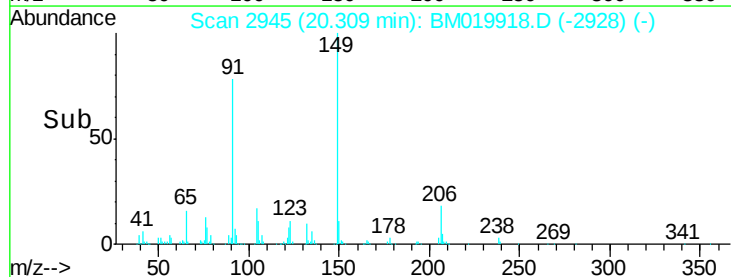
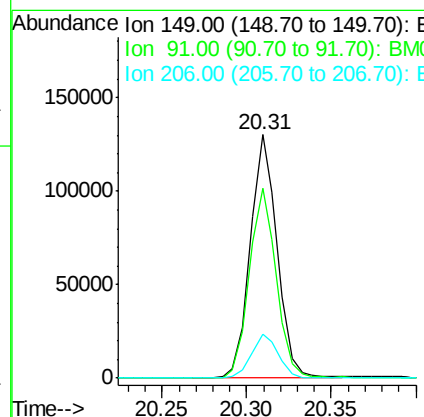
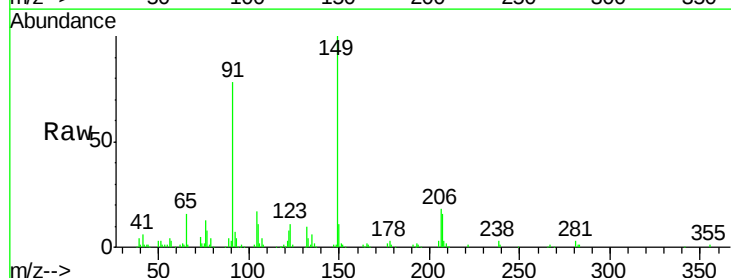
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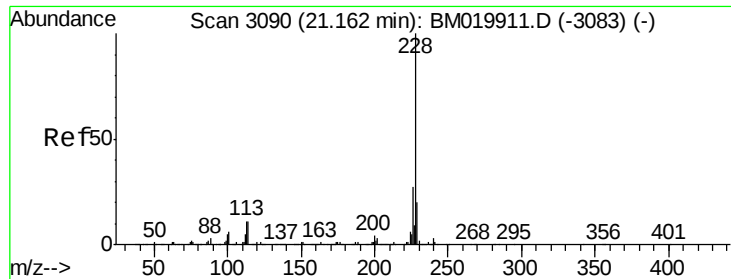
Sohil  
 4/16/2019 5:25:44 PM



#80  
 Butylbenzylphthalate  
 Concen: 7.114 ng  
 RT: 20.31 min Scan# 2945  
 Delta R.T. -0.00 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Tgt Ion:149 Resp: 143131  
 Ion Ratio Lower Upper  
 149 100  
 91 78.0 63.7 95.5  
 206 18.0 14.6 21.8





#81

Benzo(a)anthracene

Concen: 7.871 ng

RT: 21.16 min Scan# 3090

Delta R.T. -0.00 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

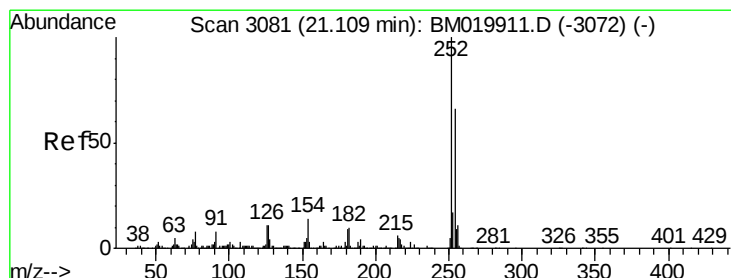
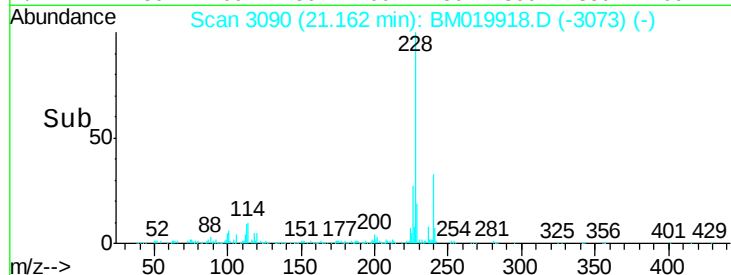
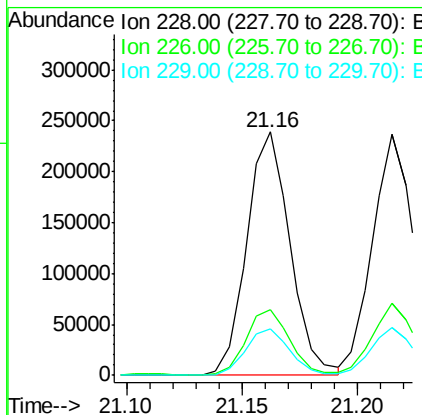
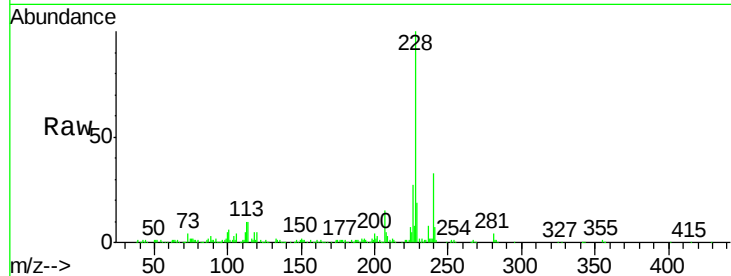
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 312491 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 27.2  | 21.8  | 32.6   |
| 229       | 19.3  | 15.9  | 23.9   |

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#82

3,3'-Dichlorobenzidine

Concen: 7.553 ng

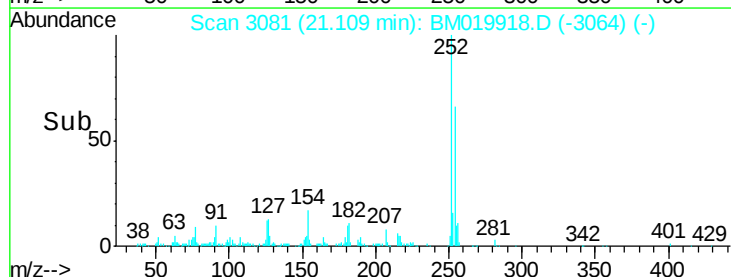
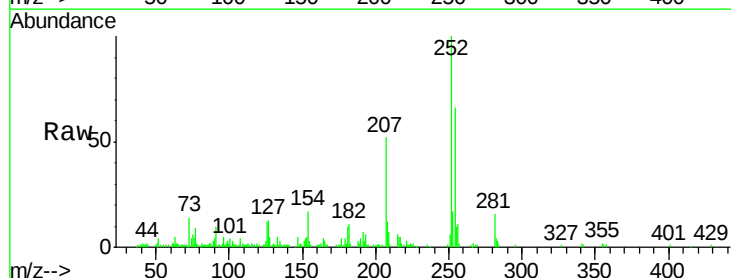
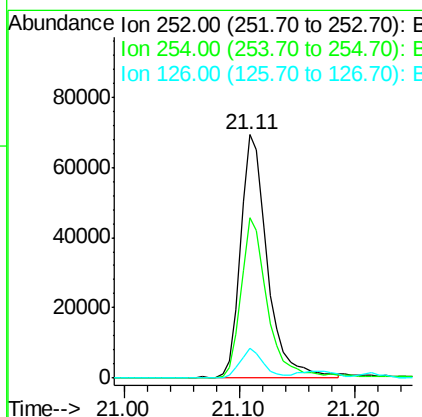
RT: 21.11 min Scan# 3081

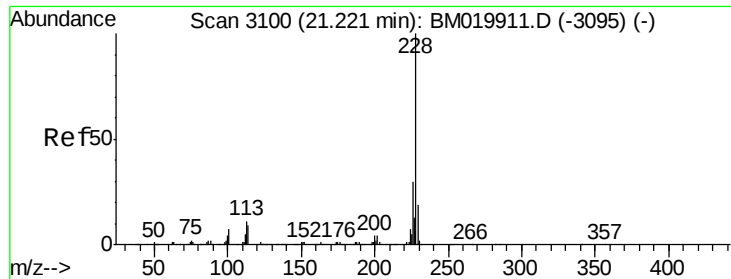
Delta R.T. -0.00 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 111565 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 254       | 66.0  | 52.6  | 78.8   |
| 126       | 12.1  | 8.6   | 12.8   |





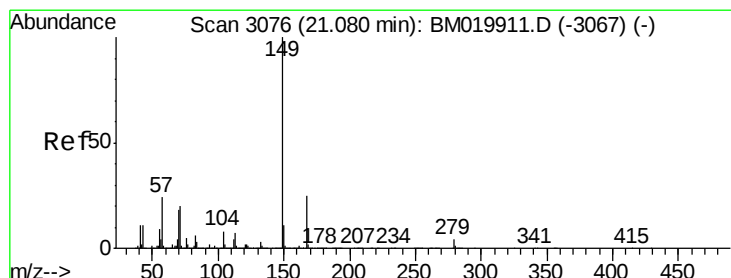
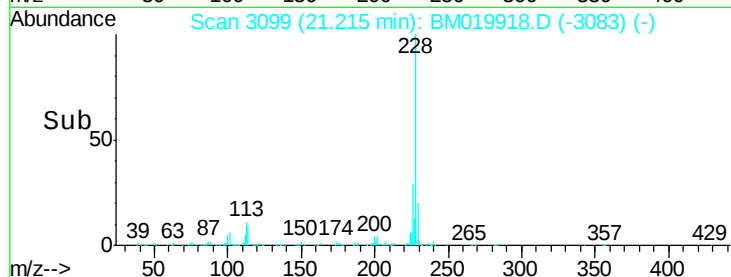
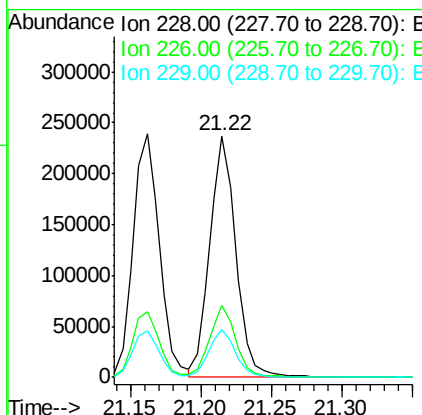
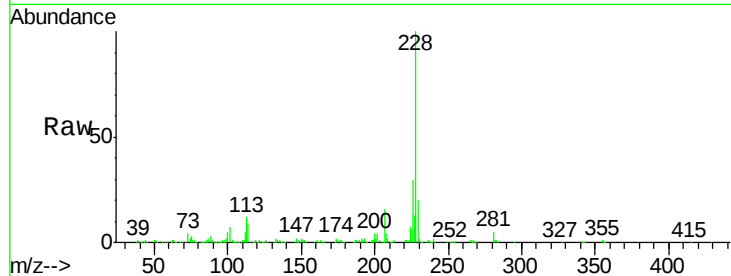
#83  
**Chrysene**  
 Concen: 7.974 ng  
 RT: 21.22 min Scan# 3099  
 Delta R.T. -0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.7  | 23.7  | 35.5  |
| 229     | 19.9  | 15.6  | 23.4  |

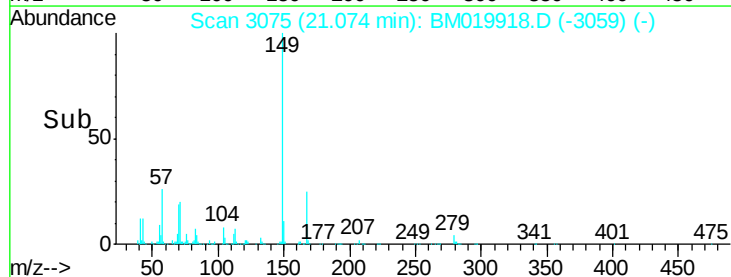
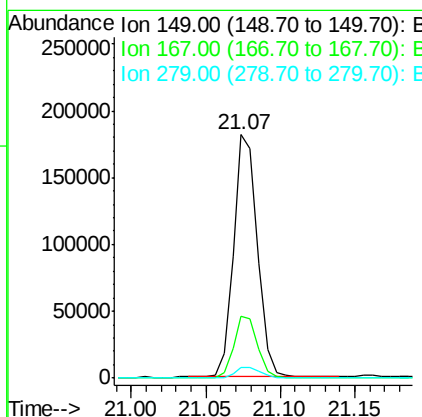
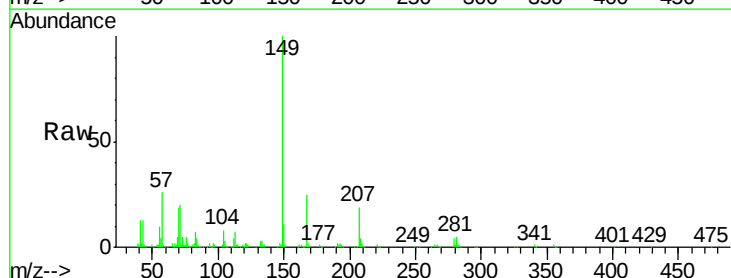
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#84  
**Bis(2-ethylhexyl)phthalate**  
 Concen: 6.782 ng  
 RT: 21.07 min Scan# 3075  
 Delta R.T. -0.01 min  
 Lab File: BM019918.D  
 Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.3  | 20.3  | 30.5  |
| 279     | 4.2   | 3.4   | 5.2   |





#85

Di-n-octyl phthalate

Concen: 6.887 ng

RT: 21.94 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

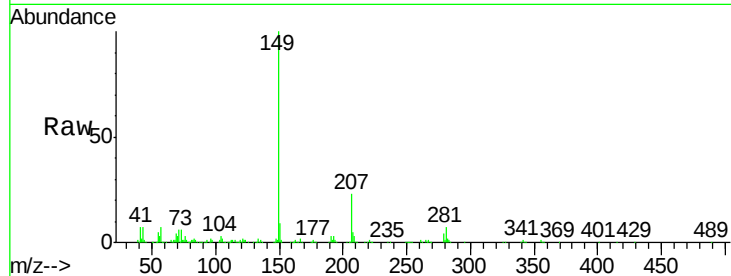
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

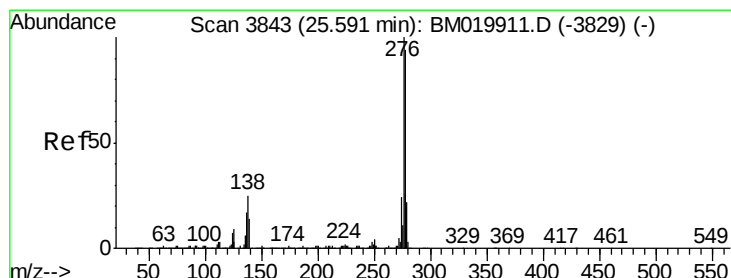
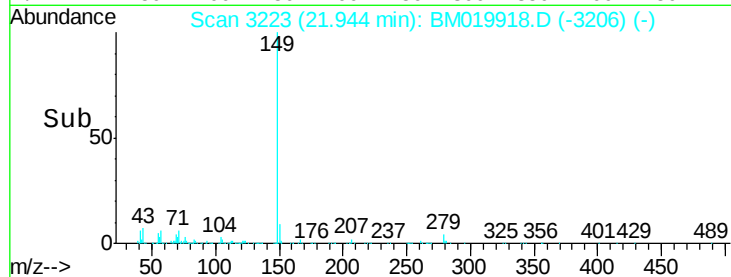
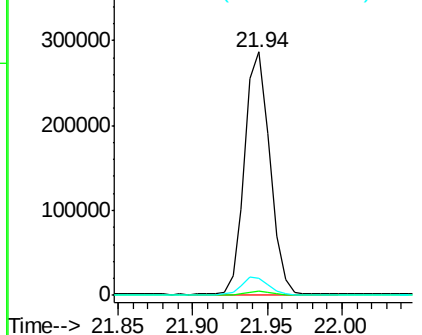
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 334758 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 1.7   | 1.3   | 1.9    |
| 43        | 8.0   | 6.0   | 9.0    |

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 8.492 ng

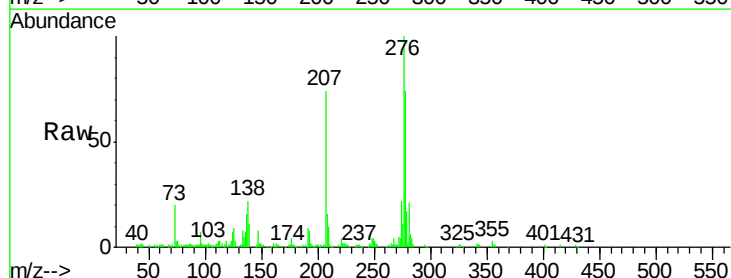
RT: 25.59 min Scan# 3842

Delta R.T. -0.01 min

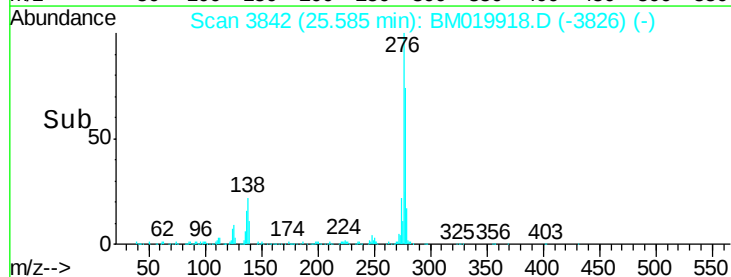
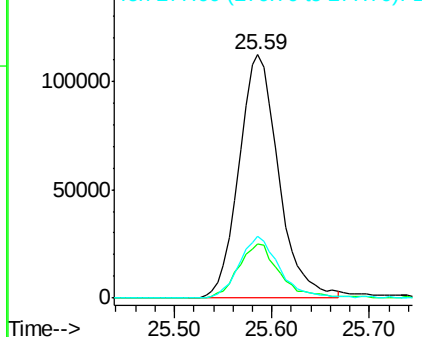
Lab File: BM019918.D

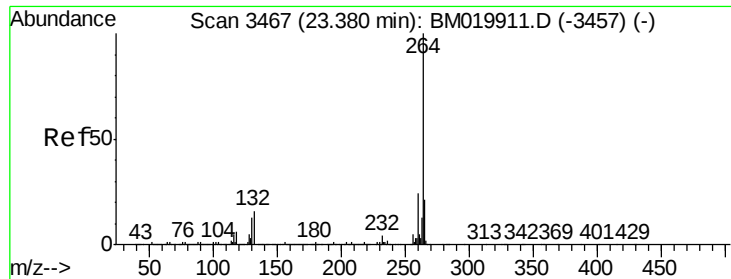
Acq: 15 Apr 2019 17:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 318063 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 22.8  | 19.0  | 28.6   |
| 277       | 25.3  | 20.3  | 30.5   |



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





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.37 min Scan# 3466

Delta R.T. -0.01 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

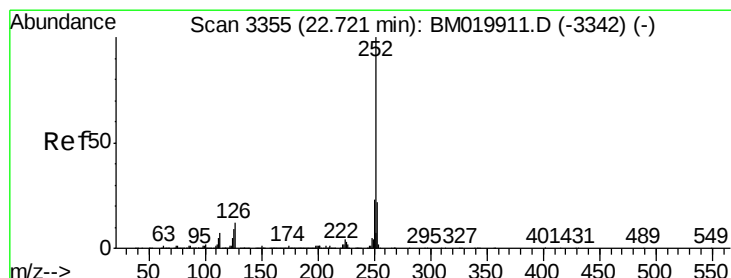
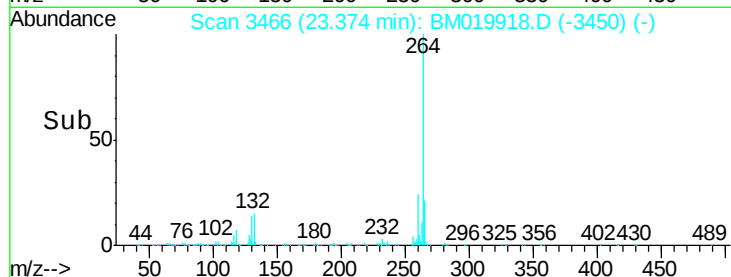
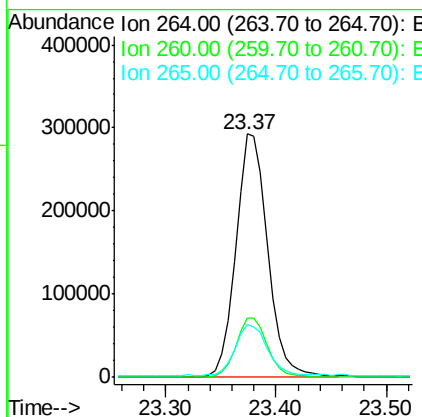
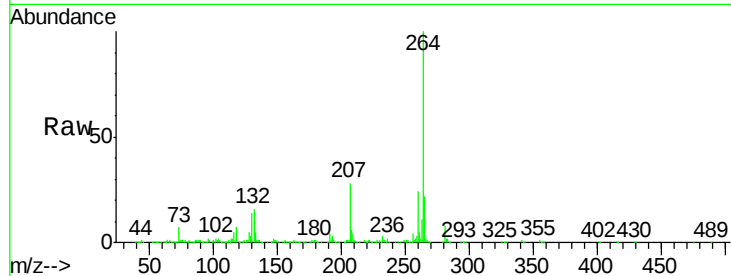
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 264  | Resp: | 592521 |
| Ion Ratio |      | Lower | Upper  |
| 264       | 100  |       |        |
| 260       | 24.2 | 19.2  | 28.8   |
| 265       | 21.9 | 17.2  | 25.8   |

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#88

Benzo(b)fluoranthene

Concen: 7.388 ng

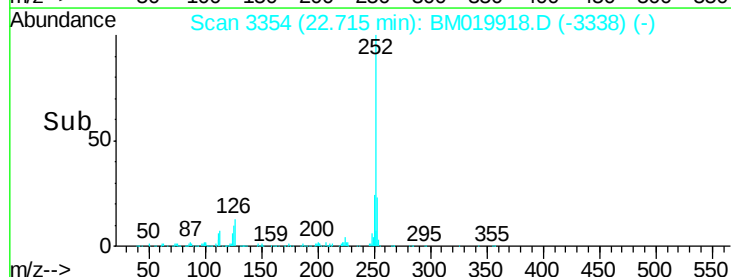
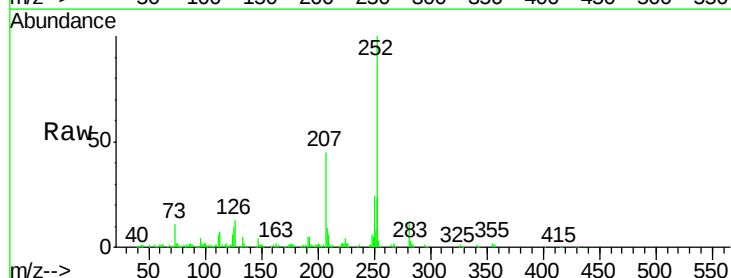
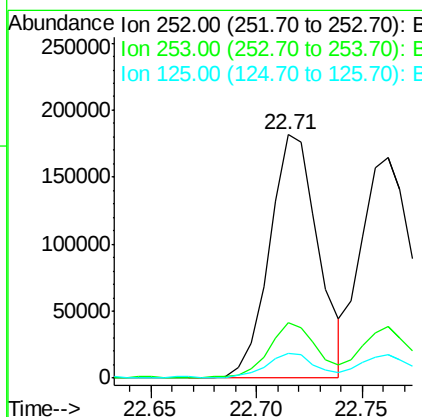
RT: 22.71 min Scan# 3354

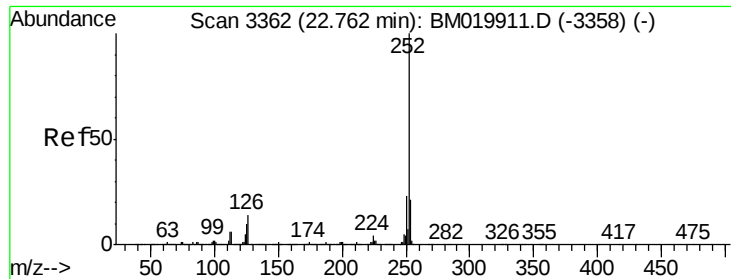
Delta R.T. -0.01 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 290668 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 22.9 | 17.5  | 26.3   |
| 125       | 10.2 | 7.6   | 11.4   |





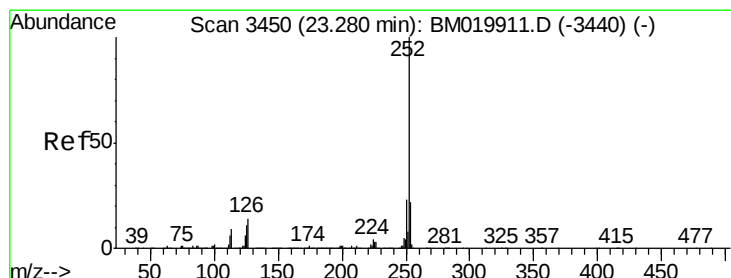
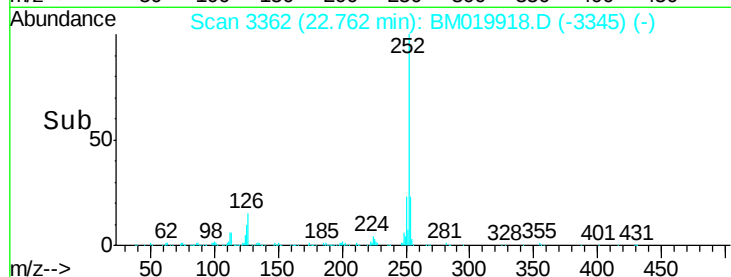
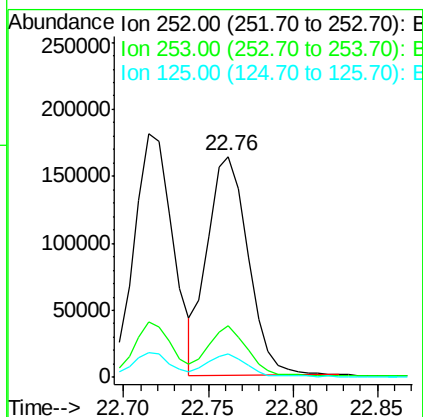
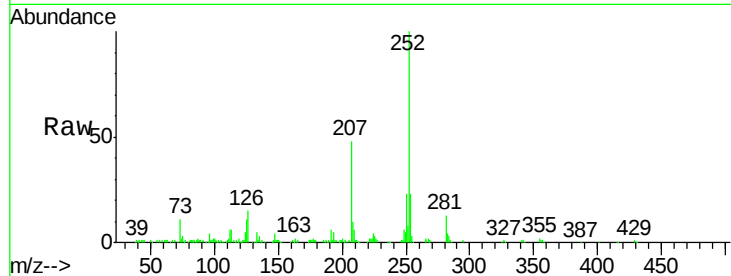
#89  
Benzo(k)fluoranthene  
Concen: 7.471 ng  
RT: 22.76 min Scan# 3362  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 17.3  | 25.9  |
| 125     | 10.7  | 8.2   | 12.4  |

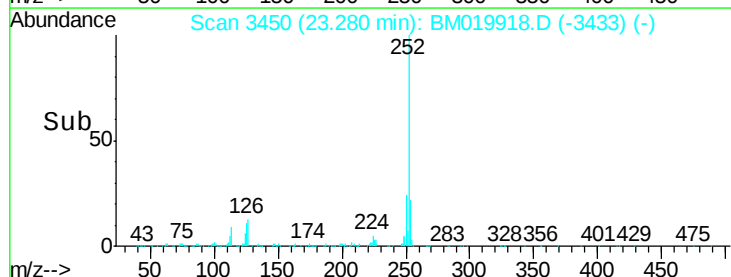
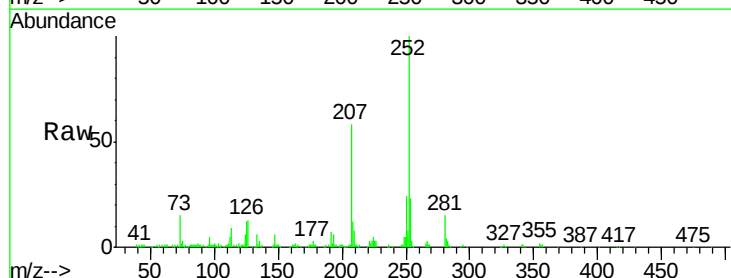
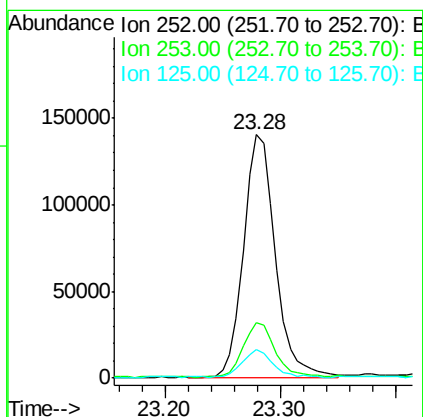
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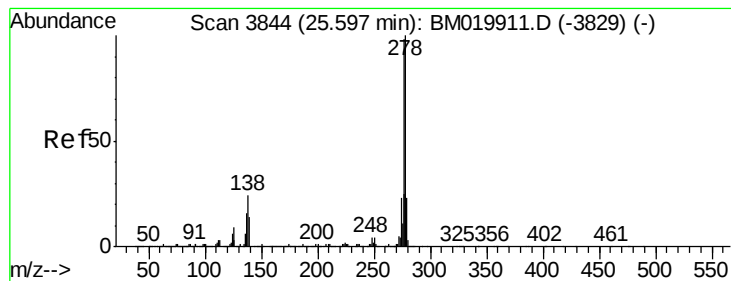
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#90  
Benzo(a)pyrene  
Concen: 7.719 ng  
RT: 23.28 min Scan# 3450  
Delta R.T. -0.00 min  
Lab File: BM019918.D  
Acq: 15 Apr 2019 17:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.8  | 26.8  |
| 125     | 11.8  | 9.1   | 13.7  |





#91

Dibenzo(a,h)anthracene

Concen: 7.749 ng

RT: 25.59 min Scan# 3843

Delta R.T. -0.01 min

Lab File: BM019918.D

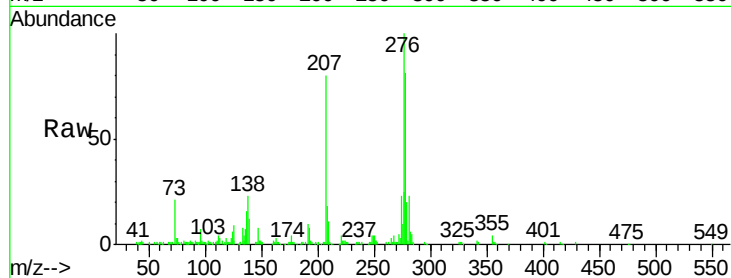
Acq: 15 Apr 2019 17:58

Instrument :

BNA\_M

ClientSampleId :

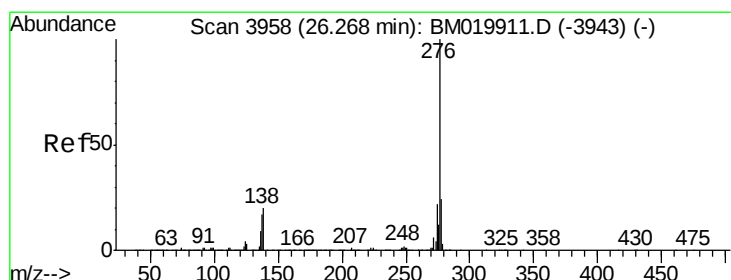
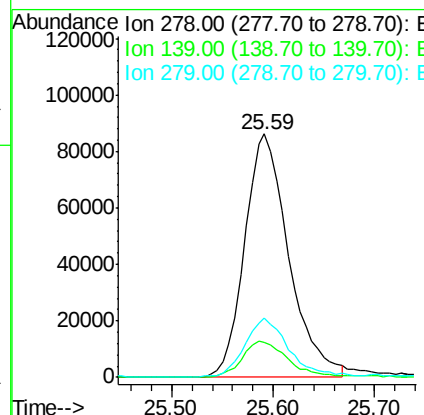
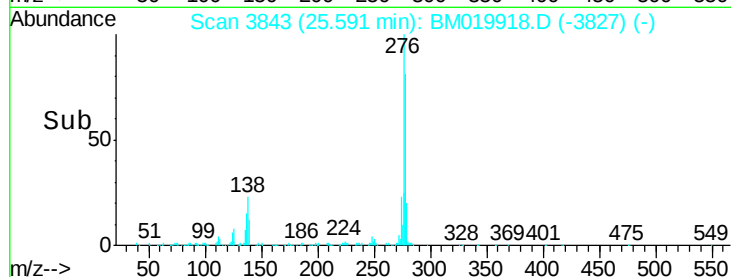
LOD-MDL-SOIL-01-QT1-2019



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.5  | 11.6  | 17.4  |
| 279     | 24.2  | 18.4  | 27.6  |

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#92

Benzo(g,h,i)perylene

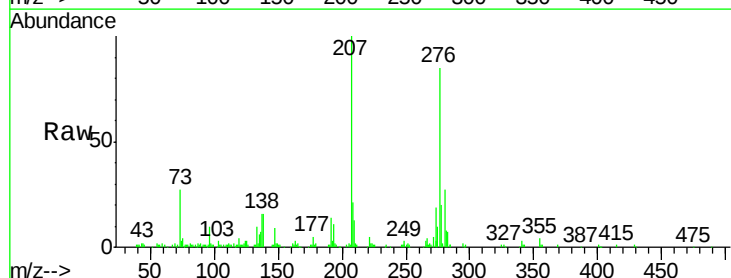
Concen: 8.232 ng

RT: 26.27 min Scan# 3959

Delta R.T. 0.01 min

Lab File: BM019918.D

Acq: 15 Apr 2019 17:58



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.1  | 18.8  | 28.2  |
| 138     | 19.4  | 16.2  | 24.4  |

