

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071420\  
 Data File : BM026760.D  
 Acq On : 14 Jul 2020 20:13  
 Operator : JU/CG  
 Sample : L1955-15  
 Misc : MDL-SOIL-ME-01  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 MDL-ME-SOIL-01

Manual Integrations  
 APPROVED

mohammad  
 7/20/2020 11:25:06 AM

Quant Time: Jul 16 16:14:36 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM063020MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 15 00:28:45 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.31  | 152  | 61216    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.06 | 136  | 236484   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 13.97 | 164  | 144827   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.73 | 188  | 296394   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 20.95 | 240  | 314516   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.02 | 264  | 372360   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.91  | 96  | 3109   | 1.53  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.52  | 99  | 133988 | 23.90 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.67  | 67  | 96874  | 25.55 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.85  | 132 | 108624 | 25.22 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.04  | 113 | 103661 | 23.12 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.45  | 128 | 49285  | 26.36 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.17  | 143 | 54587  | 27.37 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.71  | 165 | 100582 | 25.76 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.22 | 131 | 133336 | 32.43 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.40 | 166 | 308899 | 26.74 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.65 | 160 | 369726 | 26.48 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.24 | 143 | 34496  | 20.69 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 14.98 | 176 | 258396 | 25.54 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.13 | 200 | 43529  | 23.51 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.83 | 188 | 399500 | 27.37 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.14 | 212 | 456444 | 27.93 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 22.89 | 264 | 510585 | 25.41 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 2.94  | 88  | 3151   | 1.429 ng/uL  | 93     |
| 4) Benzaldehyde                | 6.48  | 77  | 9706m  | 3.260 ng/ul  |        |
| 6) Phenol                      | 6.55  | 94  | 21438  | 3.478 ng/ul  | 90     |
| 8) Bis(2-Chloroethyl)ether     | 6.76  | 93  | 16991  | 3.620 ng/ul  | 97     |
| 10) 2-Chlorophenol             | 6.88  | 128 | 17121  | 3.605 ng/ul  | 94     |
| 11) 2-Methylphenol             | 7.78  | 108 | 13869  | 3.149 ng/ul  | 96     |
| 12) 2,2'-oxybis(1-Chloropropan | 7.85  | 45  | 35132m | 3.859 ng/ul  |        |
| 14) Acetophenone               | 8.14  | 105 | 25272  | 3.327 ng/ul# | 94     |
| 15) N-Nitroso-di-n-propylamine | 8.12  | 70  | 14626  | 3.259 ng/ul# | 83     |
| 16) 4-Methylphenol             | 8.10  | 108 | 15906  | 3.249 ng/ul  | 98     |
| 17) Hexachloroethane           | 8.35  | 117 | 7147   | 3.396 ng/ul  | 93     |
| 20) Nitrobenzene               | 8.50  | 77  | 22897  | 3.882 ng/ul  | 98     |
| 21) Isophorone                 | 9.02  | 82  | 36494  | 3.681 ng/ul  | 99     |
| 23) 2-Nitrophenol              | 9.20  | 139 | 7972   | 3.455 ng/ul  | 93     |
| 24) 2,4-Dimethylphenol         | 9.29  | 107 | 16970  | 3.194 ng/ul  | 93     |
| 25) Bis(2-Chloroethoxy)methane | 9.51  | 93  | 21628  | 3.669 ng/ul  | 92     |
| 27) 2,4-Dichlorophenol         | 9.74  | 162 | 15535  | 3.850 ng/ul  | 93     |
| 28) Naphthalene                | 10.11 | 128 | 50153  | 3.583 ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.25 | 127 | 19336  | 4.425 ng/ul  | 99     |
| 31) Hexachlorobutadiene        | 10.40 | 225 | 11471  | 3.922 ng/ul  | 97     |
| 32) Caprolactam                | 11.06 | 113 | 3209m  | 2.879 ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 11.40 | 107 | 15261  | 3.324 ng/ul  | 99     |
| 34) 2-Methylnaphthalene        | 11.74 | 142 | 33802  | 3.447 ng/ul  | 97     |

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 Misc : MDL-SOIL-ME-01  
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Instrument :  
 BNA\_M  
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 MDL-ME-SOIL-01

Manual Integrations  
 APPROVED

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 7/20/2020 11:25:06 AM

Quant Time: Jul 16 16:14:36 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM063020MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 15 00:28:45 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 35) 1-Methylnaphthalene        | 11.97 | 142  | 33741    | 3.692 | ng/ul  | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.13 | 216  | 19374    | 3.680 | ng/ul  | 98       |
| 38) Hexachlorocyclopentadiene  | 12.10 | 237  | 2609     | 0.971 | ng/ul# | 96       |
| 39) 2,4,6-Trichlorophenol      | 12.40 | 196  | 9846     | 3.168 | ng/ul  | 87       |
| 40) 2,4,5-Trichlorophenol      | 12.48 | 196  | 10100    | 2.972 | ng/ul  | 90       |
| 41) 1,1'-Biphenyl              | 12.79 | 154  | 44891    | 3.581 | ng/ul  | 97       |
| 42) 2-Chloronaphthalene        | 12.82 | 162  | 33786    | 3.424 | ng/ul  | 96       |
| 43) 2-Nitroaniline             | 13.06 | 65   | 10271    | 3.096 | ng/ul  | 93       |
| 45) Dimethylphthalate          | 13.45 | 163  | 44735    | 3.700 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene         | 13.57 | 165  | 6833     | 2.924 | ng/ul# | 72       |
| 48) Acenaphthylene             | 13.68 | 152  | 54010    | 3.613 | ng/ul  | 98       |
| 49) 3-Nitroaniline             | 13.92 | 138  | 5171     | 2.662 | ng/ul# | 91       |
| 50) Acenaphthene               | 14.04 | 153  | 37292    | 3.529 | ng/ul  | 99       |
| 51) 2,4-Dinitrophenol          | 14.15 | 184  | 2555     | 2.104 | ng/ul  | 92       |
| 53) 4-Nitrophenol              | 14.25 | 109  | 7323m    | 4.267 | ng/ul  |          |
| 54) Dibenzofuran               | 14.38 | 168  | 53977    | 3.600 | ng/ul  | 96       |
| 55) 2,4-Dinitrotoluene         | 14.38 | 165  | 10903    | 3.137 | ng/ul# | 61       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.62 | 232  | 9742     | 3.330 | ng/ul# | 84       |
| 57) Diethylphthalate           | 14.84 | 149  | 44380    | 3.652 | ng/ul  | 98       |
| 59) Fluorene                   | 15.04 | 166  | 43680    | 3.566 | ng/ul  | 93       |
| 60) 4-Chlorophenyl-phenylether | 15.04 | 204  | 22754    | 3.574 | ng/ul  | 97       |
| 61) 4-Nitroaniline             | 15.09 | 138  | 5298m    | 2.411 | ng/ul  |          |
| 64) 4,6-Dinitro-2-methylphenol | 15.15 | 198  | 7169     | 3.655 | ng/ul# | 84       |
| 65) N-Nitrosodiphenylamine     | 15.26 | 169  | 36101    | 3.643 | ng/ul  | 96       |
| 66) 4-Bromophenyl-phenylether  | 15.94 | 248  | 13433    | 3.759 | ng/ul  | 87       |
| 67) Hexachlorobenzene          | 16.04 | 284  | 15834    | 3.889 | ng/ul  | 98       |
| 68) Atrazine                   | 16.24 | 200  | 13187    | 4.084 | ng/ul  | 98       |
| 69) Pentachlorophenol          | 16.41 | 266  | 5798m    | 2.888 | ng/ul  |          |
| 70) Phenanthrene               | 16.77 | 178  | 68442    | 3.708 | ng/ul  | 97       |
| 72) Anthracene                 | 16.87 | 178  | 69240    | 3.718 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.75 | 216  | 19185    | 3.754 | ng/uL  | 99       |
| 74) Pentachlorobenzene         | 14.30 | 250  | 19080    | 3.898 | ng/uL  | 97       |
| 75) Carbazole                  | 17.15 | 167  | 54896    | 3.682 | ng/ul  | 98       |
| 76) Di-n-butylphthalate        | 17.73 | 149  | 67223    | 3.726 | ng/ul  | 98       |
| 77) Fluoranthene               | 18.81 | 202  | 78427    | 4.108 | ng/ul  | 98       |
| 80) Pvrene                     | 19.17 | 202  | 86041    | 3.860 | ng/ul  | 97       |
| 81) Butylbenzylphthalate       | 20.11 | 149  | 28832    | 3.646 | ng/ul  | 99       |
| 82) 3,3'-Dichlorobenzidine     | 20.89 | 252  | 18644    | 2.941 | ng/ul# | 98       |
| 83) Benzo(a)anthracene         | 20.94 | 228  | 86052    | 3.975 | ng/ul  | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 20.91 | 149  | 43076    | 3.658 | ng/ul  | 96       |
| 85) Chrysene                   | 20.99 | 228  | 83624    | 3.893 | ng/ul  | 98       |
| 87) Di-n-octyl phthalate       | 21.75 | 149  | 74905    | 3.265 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.42 | 252  | 87397    | 3.455 | ng/ul  | 97       |
| 89) Benzo(k)fluoranthene       | 22.46 | 252  | 89946    | 3.588 | ng/ul  | 98       |
| 91) Benzo(a)pyrene             | 22.93 | 252  | 89802    | 4.002 | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.01 | 276  | 100779   | 3.442 | ng/ul  | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.03 | 278  | 85846    | 3.480 | ng/ul  | 96       |
| 94) Benzo(a,h,i)perylene       | 25.62 | 276  | 87005    | 3.562 | ng/ul  | 99       |
| -----                          |       |      |          |       |        |          |

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Instrument :  
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Manual Integrations  
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

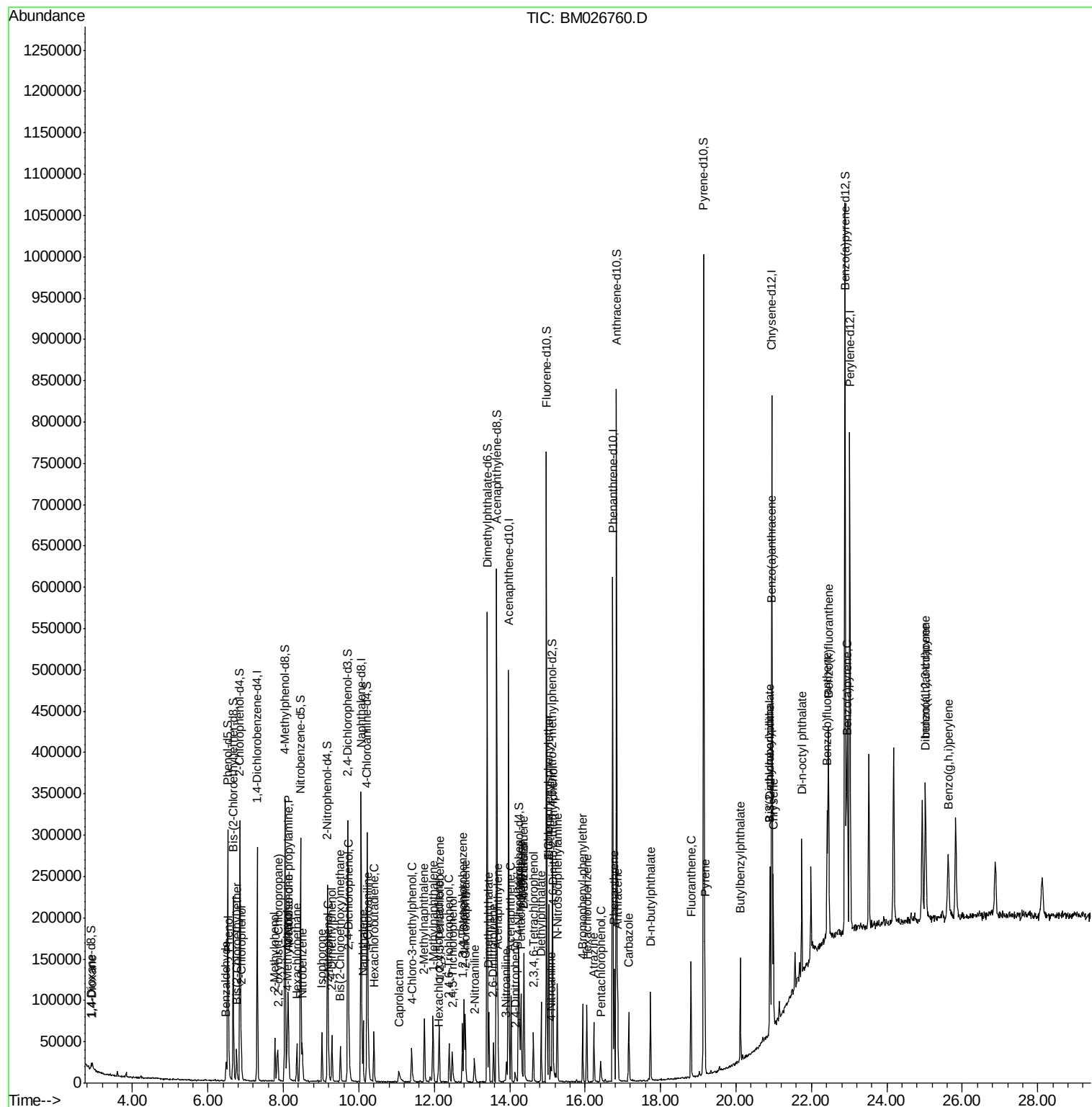
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071420\  
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 ALS Vial : 16 Sample Multiplier: 1

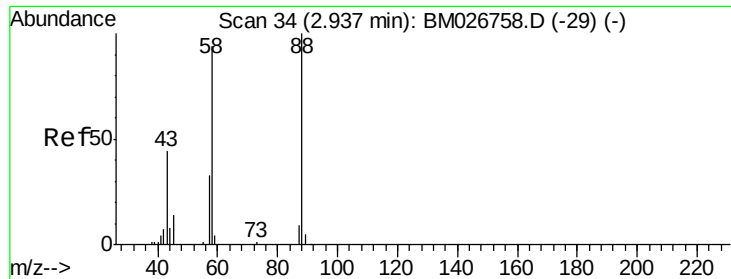
Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-ME-SOIL-01

Manual Integrations  
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 QLast Update : Wed Jul 15 00:28:45 2020  
 Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 1.429 ng/uL

RT: 2.94 min Scan# 34

Delta R.T. 0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

Instrument :

BNA\_M

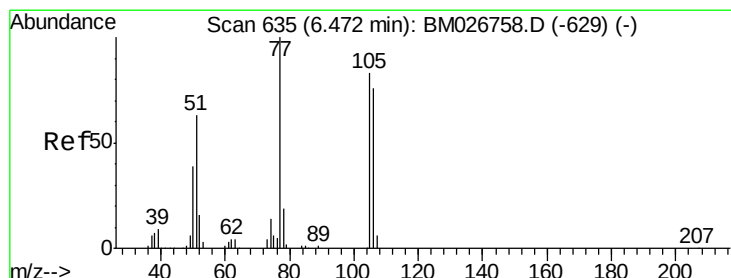
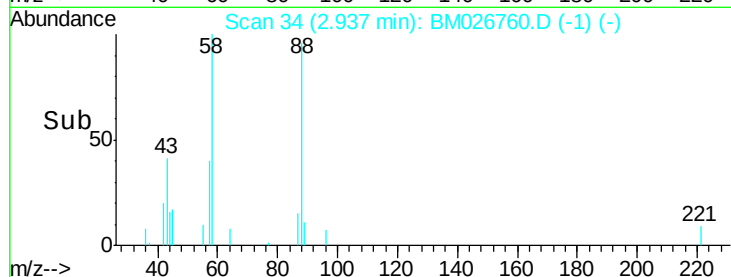
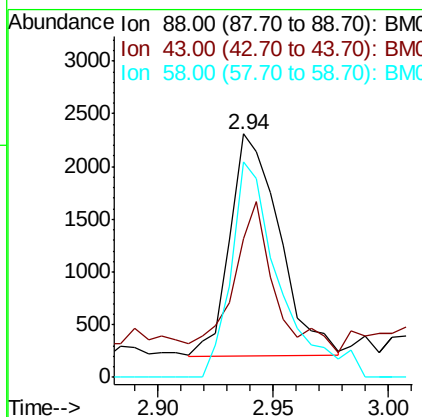
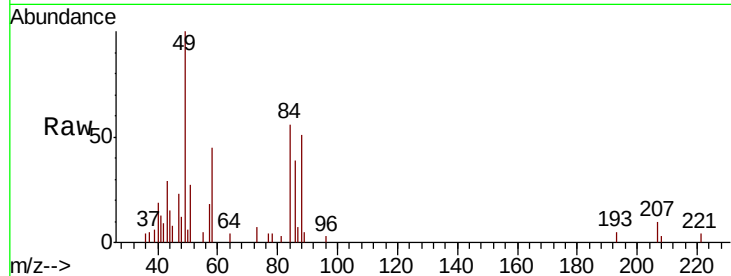
ClientSampleId :

MDL-ME-SOIL-01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 3151  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 56.7  | 38.2  | 57.2  |
| 58       | 88.7  | 68.9  | 103.3 |

Manual Integrations  
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#4

Benzaldehyde

Concen: 3.260 ng/uL

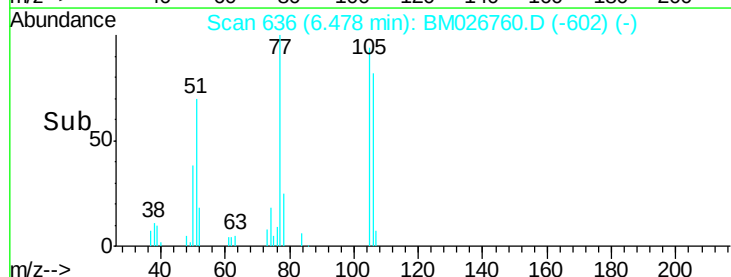
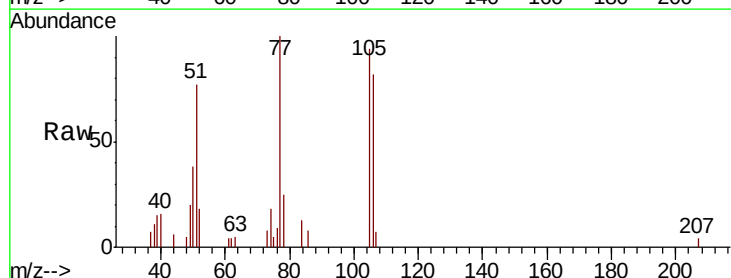
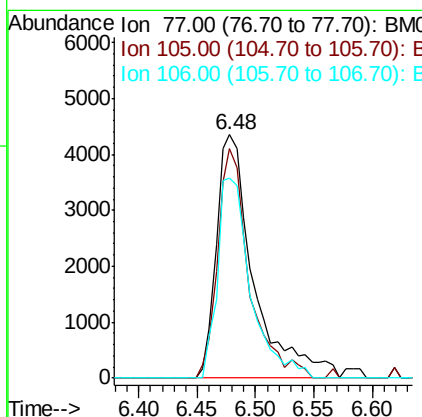
RT: 6.48 min Scan# 636

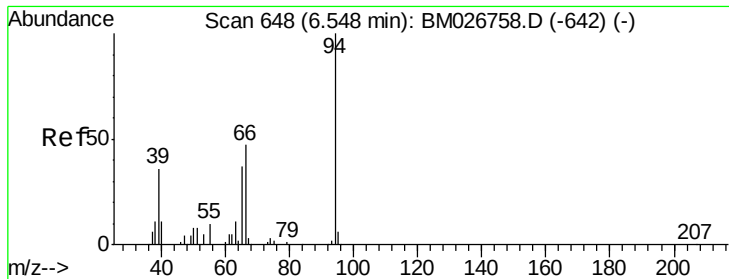
Delta R.T. 0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 9706  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 94.2  | 67.5  | 101.3 |
| 106      | 82.0  | 66.2  | 99.4  |





#6

Phenol

Concen: 3.478 ng/ul

RT: 6.55 min Scan# 648

Delta R.T. -0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

Instrument :

BNA\_M

ClientSampleId :

MDL-ME-SOIL-01

Tot Ion: 94 Resp: 21438

Ion Ratio Lower Upper

94 100

65 39.7 27.8 41.8

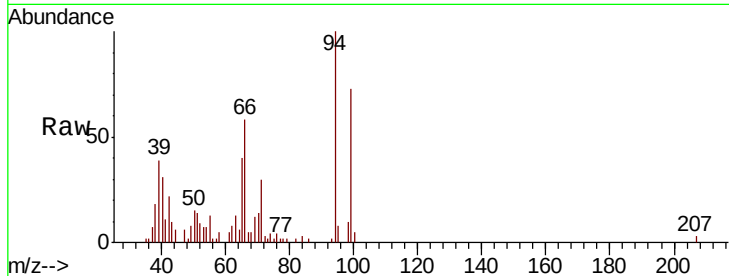
66 57.6 39.9 59.9

Manual Integrations

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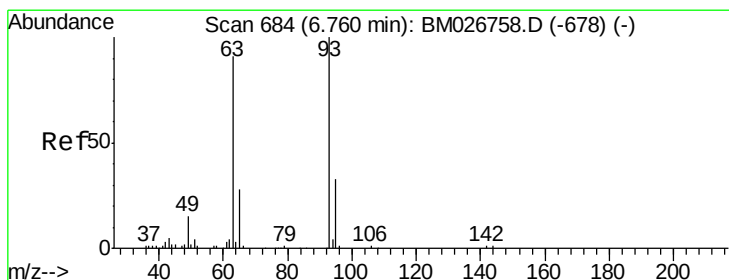
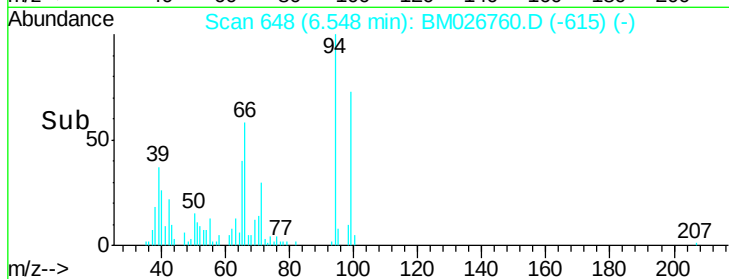
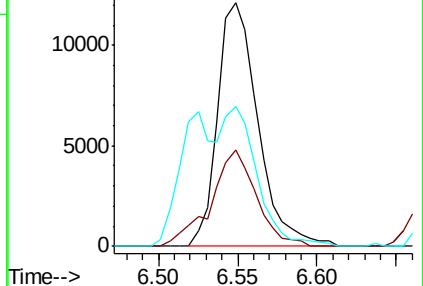
7/20/2020 11:25:06 AM



Abundance Ion 94.00 (93.70 to 94.70): BM026760.D (-615) (-)

Ion 65.00 (64.70 to 65.70): BM026760.D (-615) (-)

Ion 66.00 (65.70 to 66.70): BM026760.D (-615) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 3.620 ng/ul

RT: 6.76 min Scan# 684

Delta R.T. -0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

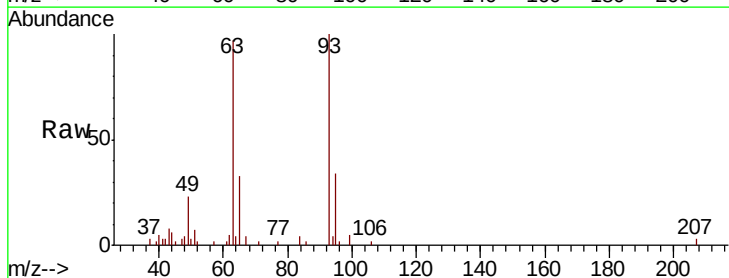
Tgt Ion: 93 Resp: 16991

Ion Ratio Lower Upper

93 100

63 96.6 75.5 113.3

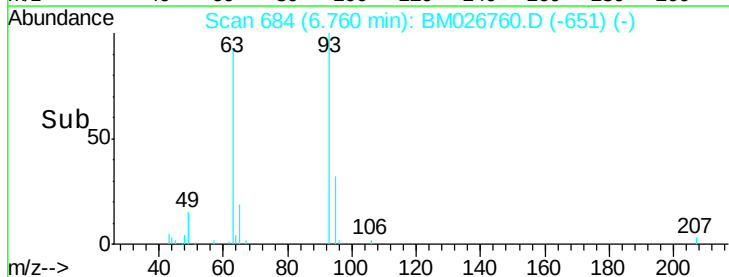
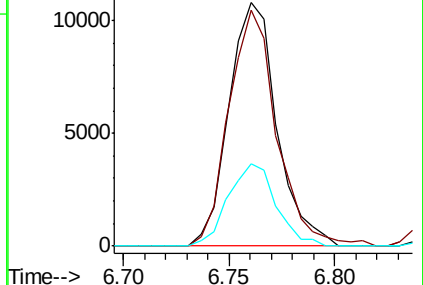
95 33.6 25.2 37.8

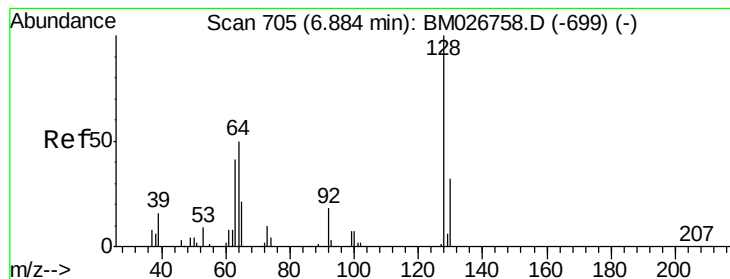


Abundance Ion 93.00 (92.70 to 93.70): BM026760.D (-651) (-)

Ion 63.00 (62.70 to 63.70): BM026760.D (-651) (-)

Ion 95.00 (94.70 to 95.70): BM026760.D (-651) (-)





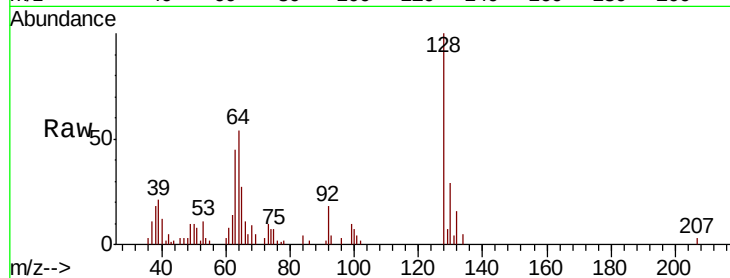
#10  
2-Chlorophenol  
Concen: 3.605 ng/ul  
RT: 6.88 min Scan# 705  
Delta R.T. -0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 64      | 54.3  | 47.4  | 71.2  |
| 130     | 28.9  | 25.8  | 38.6  |

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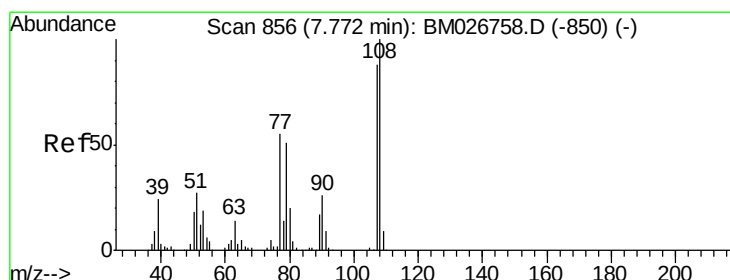
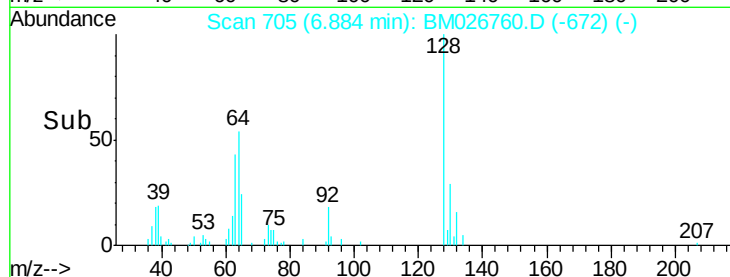
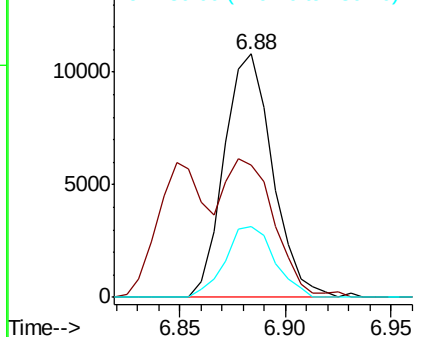


Abundance

Ion 128.00 (127.70 to 128.70): E

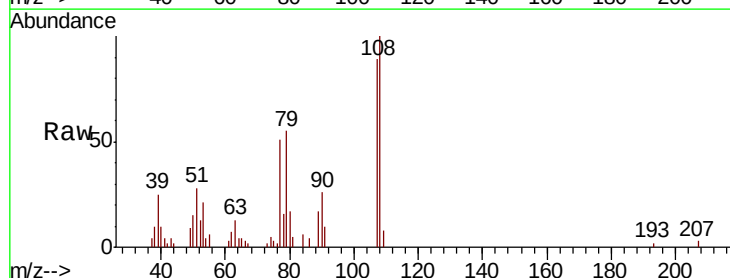
Ion 64.00 (63.70 to 64.70): BM

Ion 130.00 (129.70 to 130.70): E



#11  
2-Methylphenol  
Concen: 3.149 ng/ul  
RT: 7.78 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

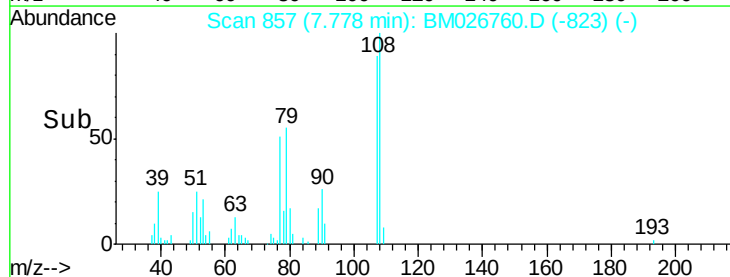
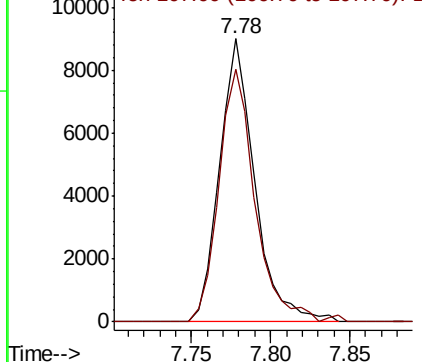
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 108     | 100   |       |       |
| 107     | 89.0  | 74.2  | 111.2 |



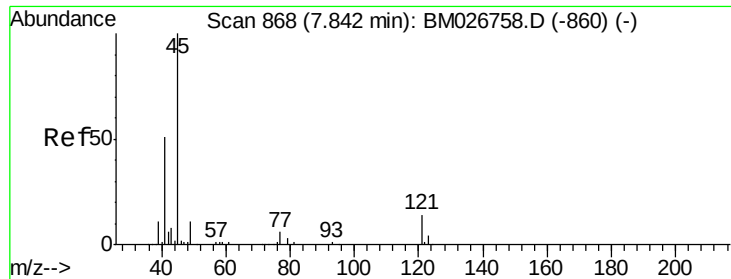
Abundance

Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E







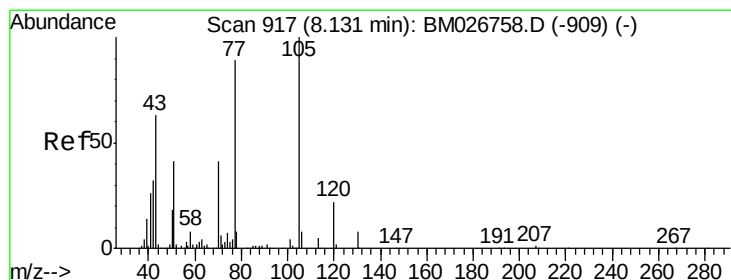
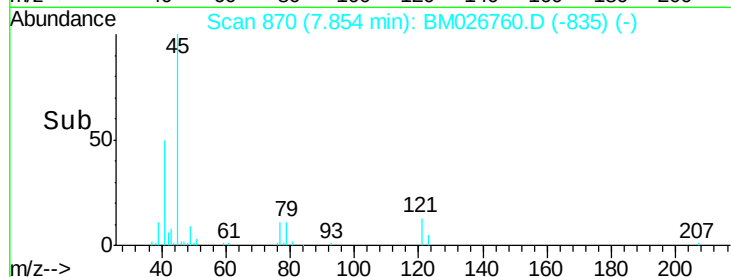
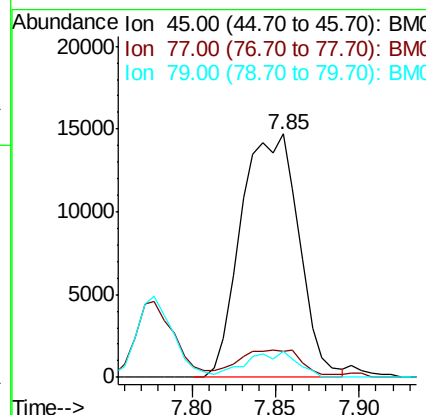
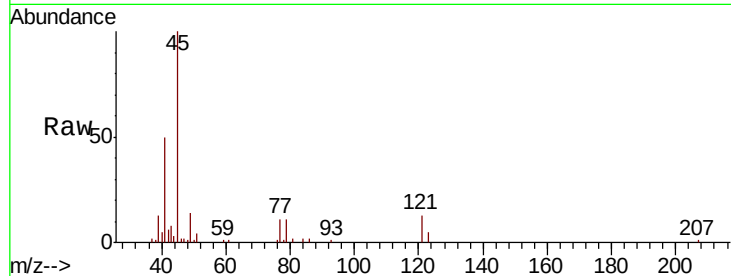
#12  
2,2'-oxybis(1-Chloropropane)  
Concen: 3.859 ng/ul m  
RT: 7.85 min Scan# 870  
Delta R.T. 0.01 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 45      | 100   |            |       |
| 77      | 10.7  | 8.8        | 13.2  |
| 79      | 10.6  | 7.0        | 10.6# |

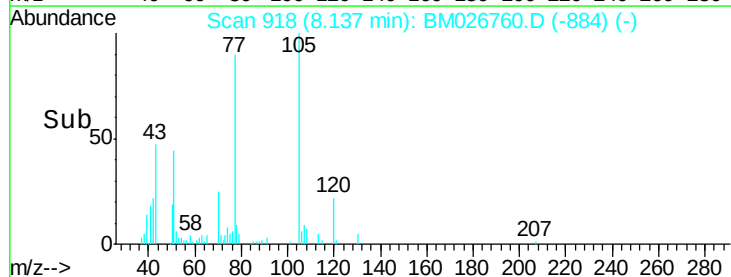
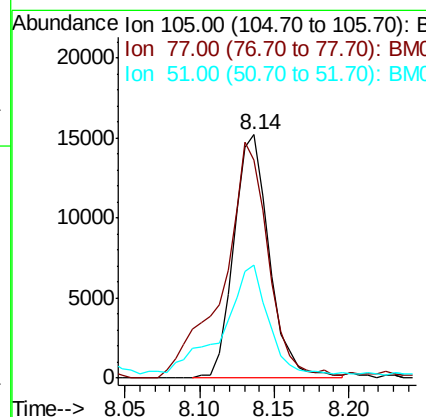
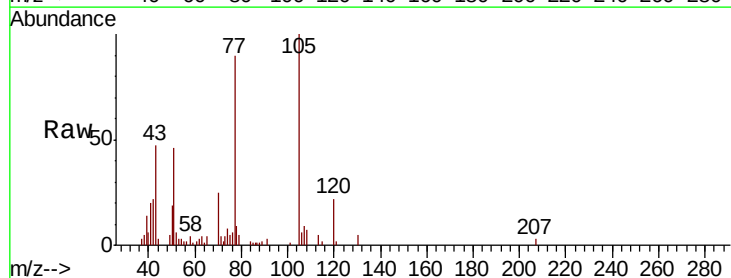
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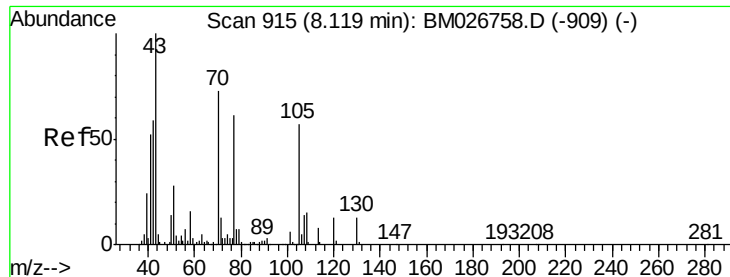


#14  
Acetophenone  
Concen: 3.327 ng/ul  
RT: 8.14 min Scan# 918  
Delta R.T. 0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 105     | 100   |            |       |
| 77      | 89.6  | 69.8       | 104.6 |
| 51      | 46.4  | 30.5       | 45.7# |







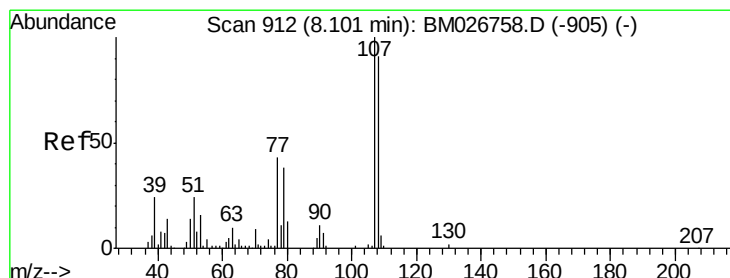
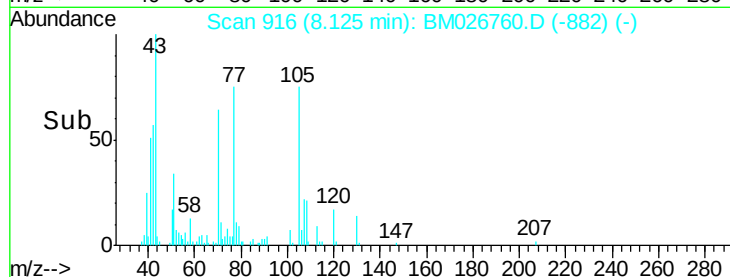
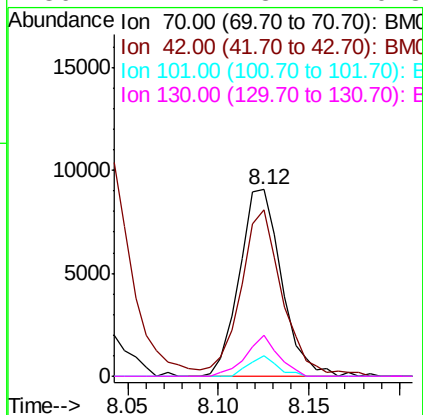
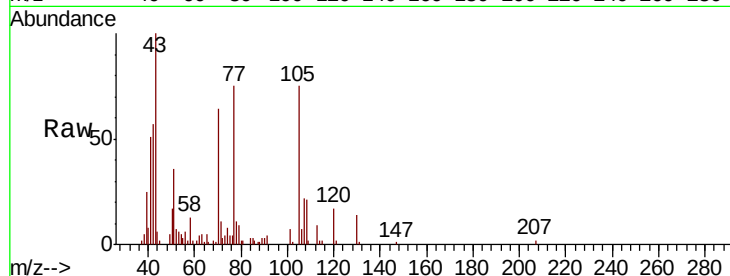
#15  
N-Nitroso-di-n-propylamine  
Concen: 3.259 ng/ul  
RT: 8.12 min Scan# 916  
Delta R.T. 0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 89.2 | 58.5  | 87.7# |       |
| 101     | 10.7 | 7.0   | 10.4# |       |
| 130     | 22.2 | 13.2  | 19.8# |       |

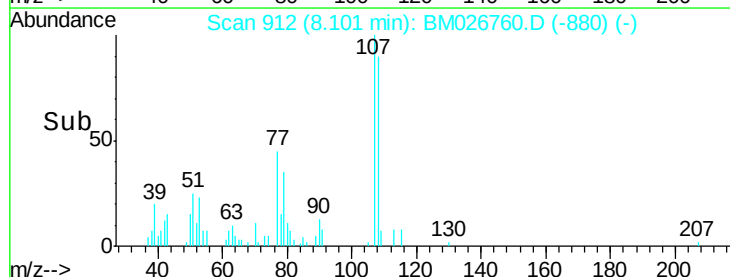
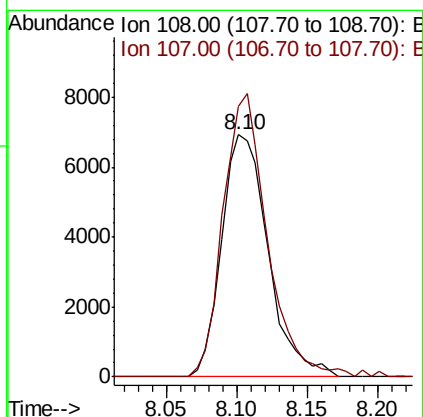
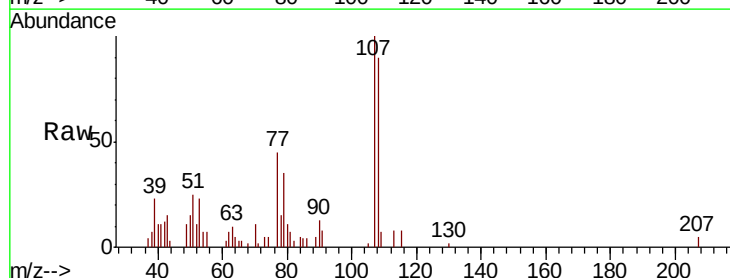
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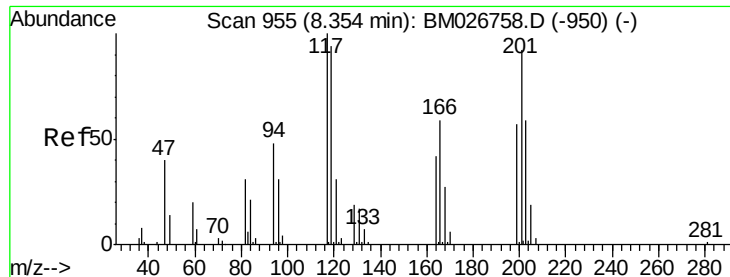
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#16  
4-Methylphenol  
Concen: 3.249 ng/ul  
RT: 8.10 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 108     | 100   |       |       |       |
| 107     | 111.7 | 87.4  | 131.2 |       |





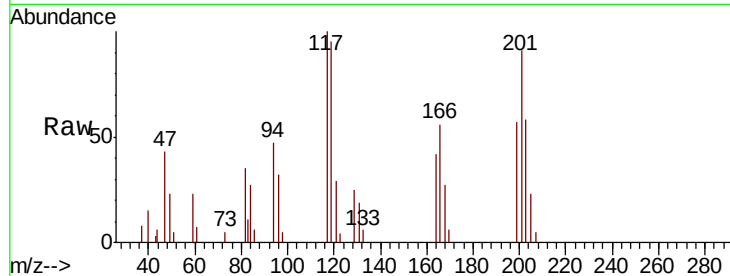
#17  
Hexachloroethane  
Concen: 3.396 ng/ul  
RT: 8.35 min Scan# 955  
Delta R.T. -0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 91.2  | 77.0  | 115.6 |
| 199     | 57.0  | 51.1  | 76.7  |

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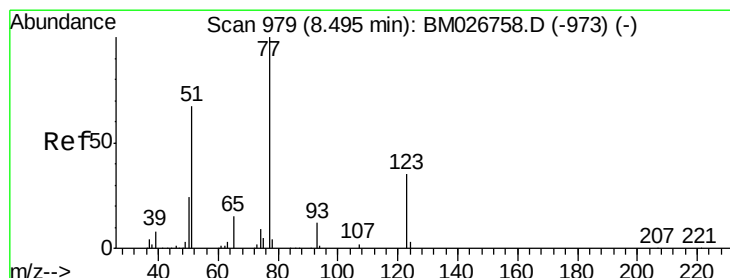
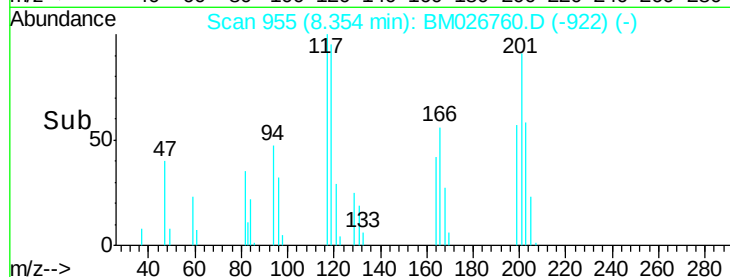
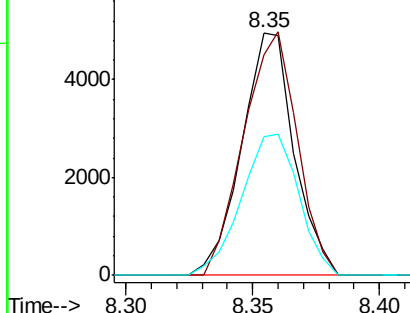


Abundance

Ion 117.00 (116.70 to 117.70): E

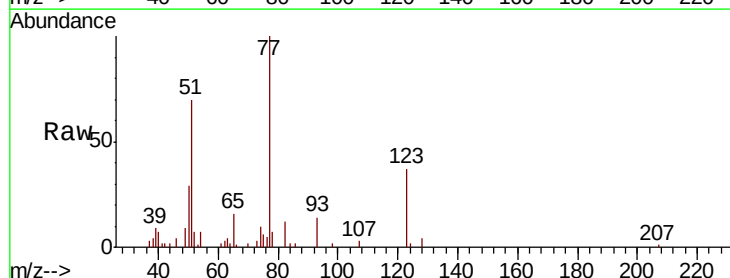
Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20  
Nitrobenzene  
Concen: 3.882 ng/ul  
RT: 8.50 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 36.6  | 29.8  | 44.8  |
| 65      | 16.0  | 11.8  | 17.6  |

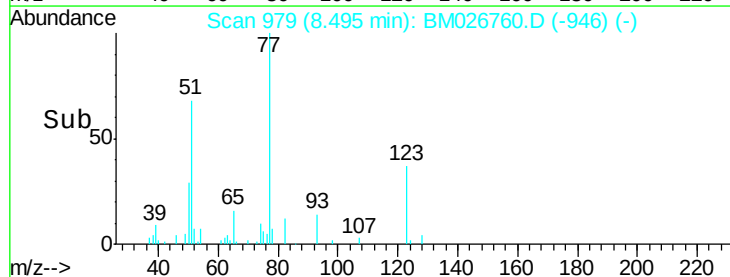
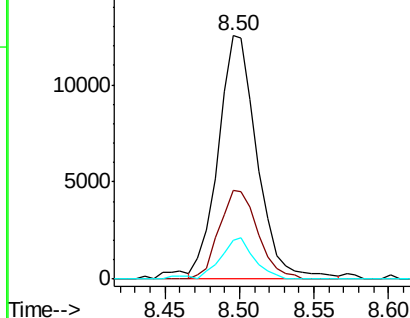


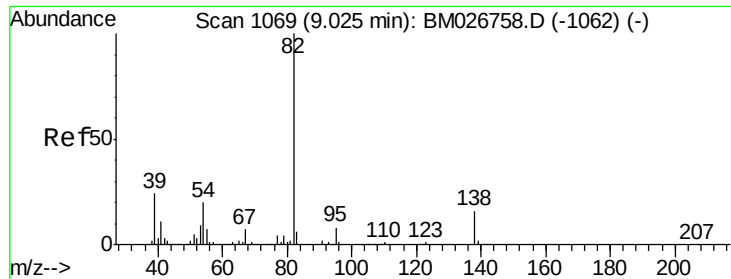
Abundance

Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0





#21

Isophorone

Concen: 3.681 ng/ul

RT: 9.02 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

Instrument :

BNA\_M

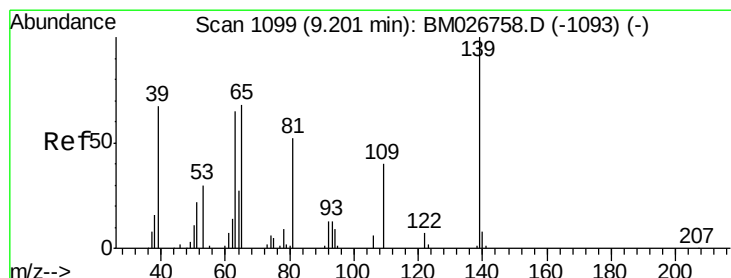
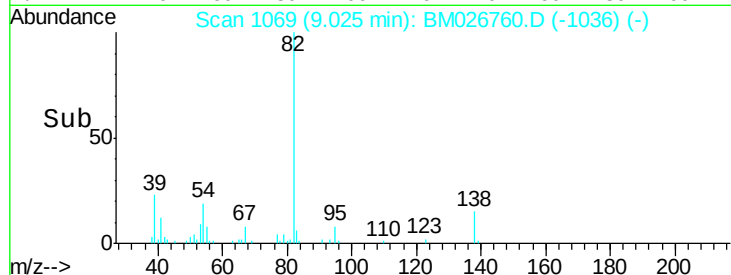
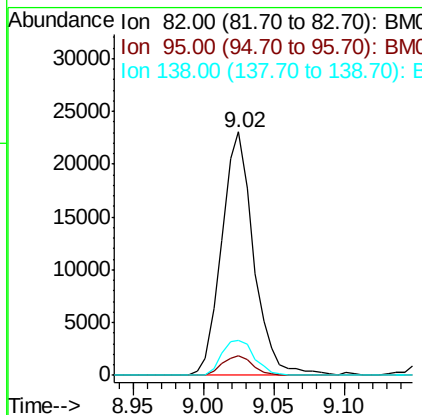
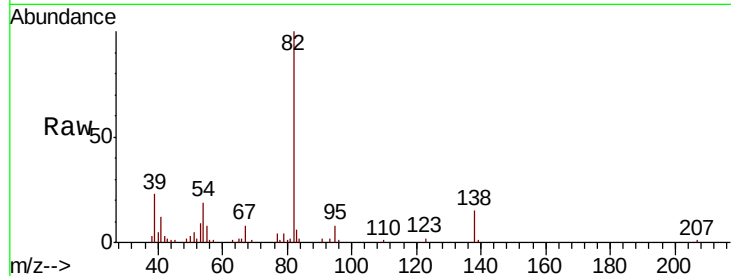
ClientSampleId :

MDL-ME-SOIL-01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 36494 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 95       | 8.3   | 6.4   | 9.6   |
| 138      | 14.6  | 12.2  | 18.4  |

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#23

2-Nitrophenol

Concen: 3.455 ng/ul

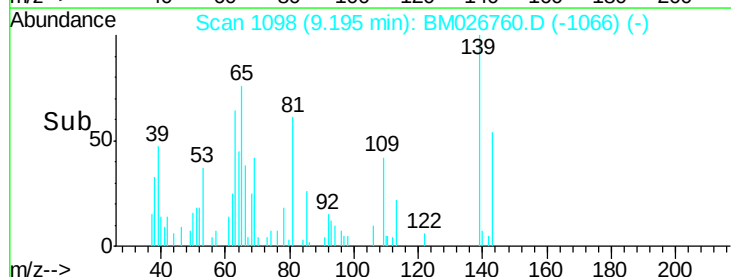
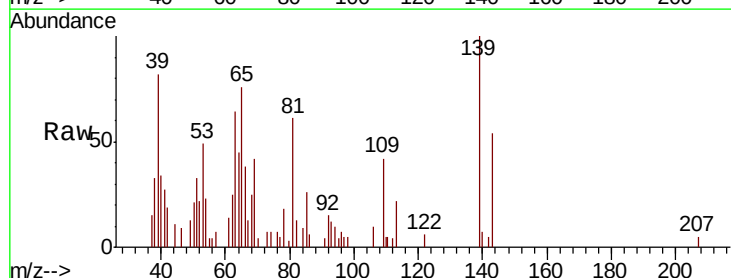
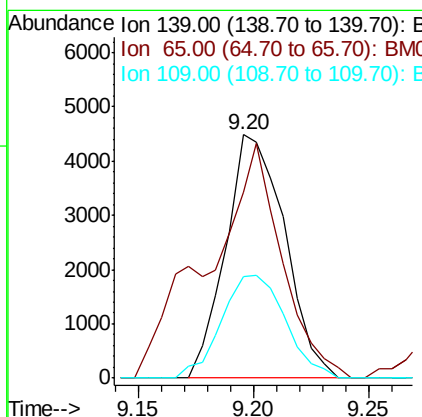
RT: 9.20 min Scan# 1098

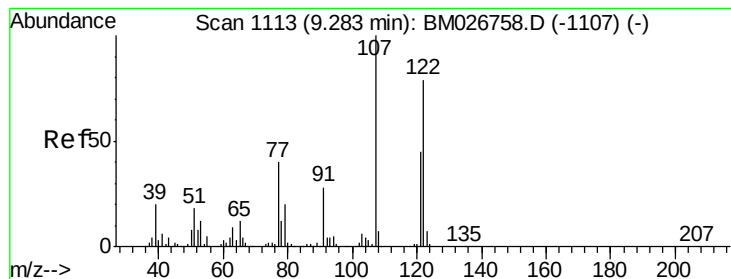
Delta R.T. -0.01 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 139   | Resp: | 7972  |
| Ion      | Ratio | Lower | Upper |
| 139      | 100   |       |       |
| 65       | 76.1  | 55.0  | 82.6  |
| 109      | 41.7  | 31.4  | 47.2  |





#24

2,4-Dimethylphenol

Concen: 3.194 ng/ul

RT: 9.29 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

Instrument :

BNA\_M

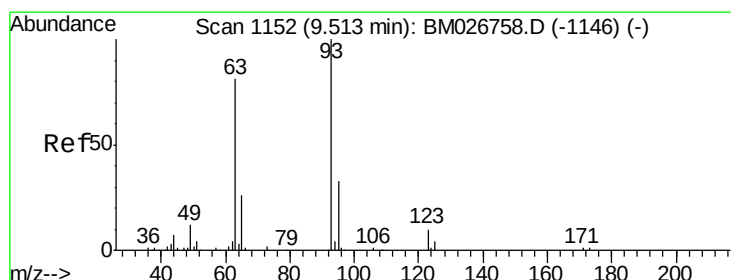
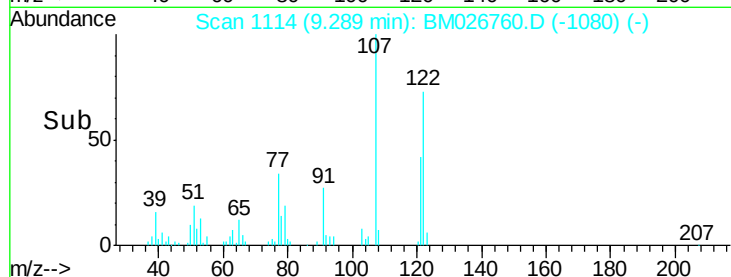
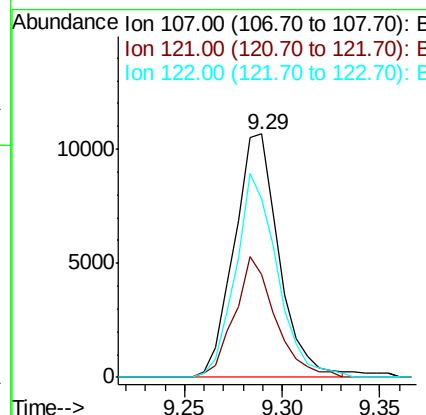
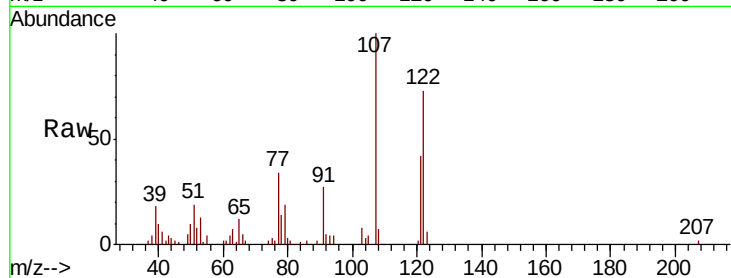
ClientSampleId :

MDL-ME-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 107   | Resp: | 16970 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 121       | 42.3  | 38.1  | 57.1  |
| 122       | 73.3  | 62.7  | 94.1  |

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#25

Bis(2-Chloroethoxy)methane

Concen: 3.669 ng/ul

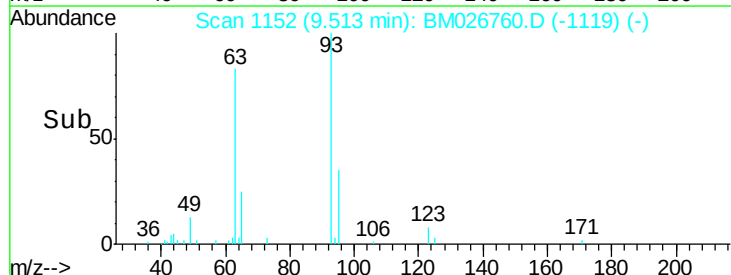
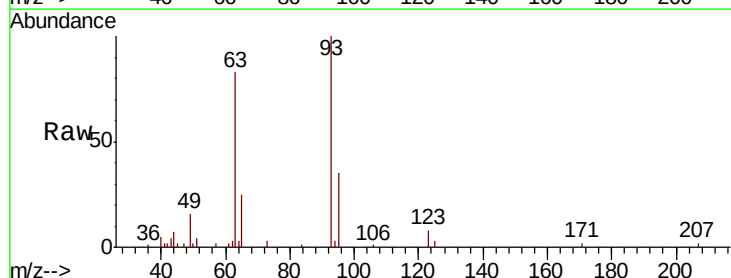
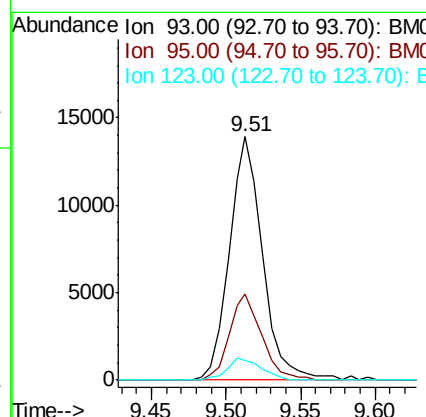
RT: 9.51 min Scan# 1152

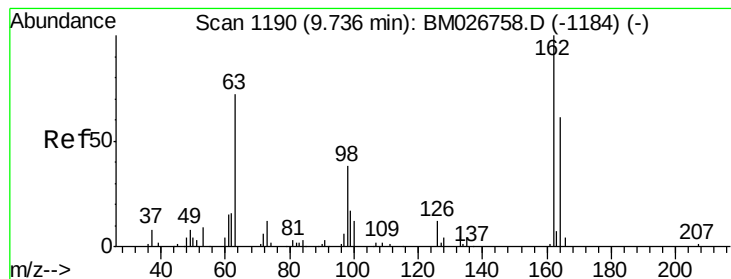
Delta R.T. -0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 21628 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 95        | 35.2  | 24.4  | 36.6  |
| 123       | 8.3   | 8.0   | 12.0  |





#27

2,4-Dichlorophenol

Concen: 3.850 ng/ul

RT: 9.74 min Scan# 1190

Delta R.T. -0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

Instrument :

BNA\_M

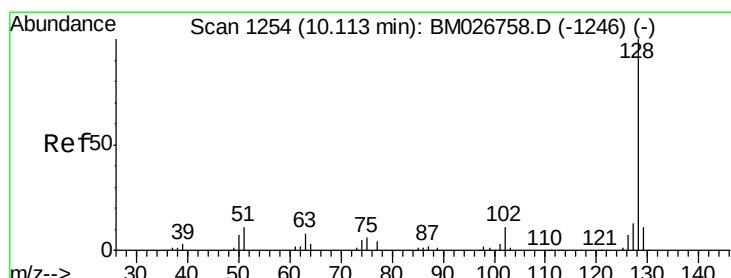
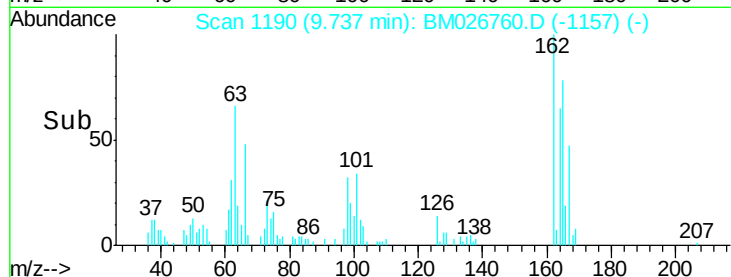
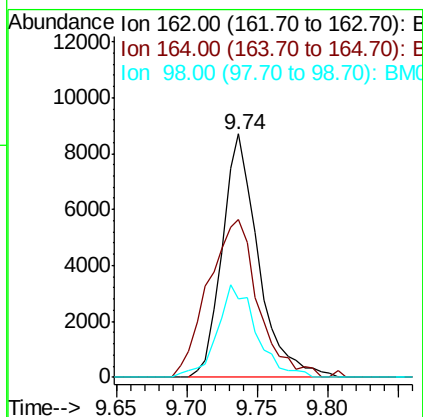
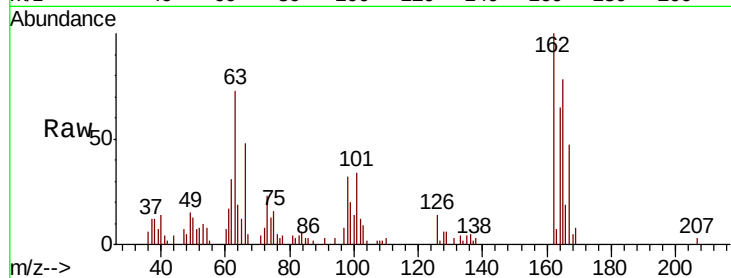
ClientSampleId :

MDL-ME-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 162   | Resp: | 15535 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 65.0  | 55.0  | 82.6  |
| 98        | 32.4  | 31.9  | 47.9  |

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#28

Naphthalene

Concen: 3.583 ng/ul

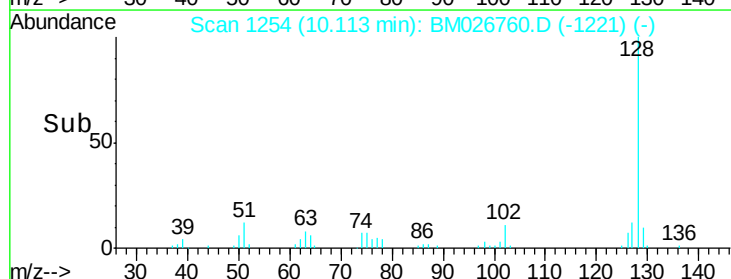
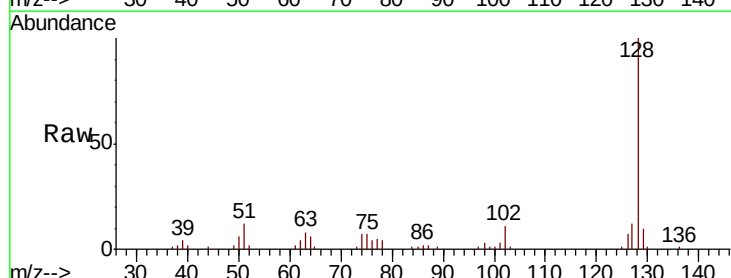
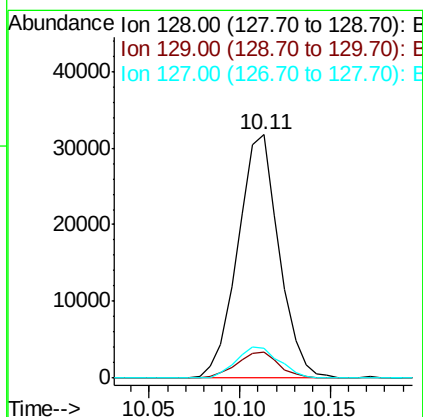
RT: 10.11 min Scan# 1254

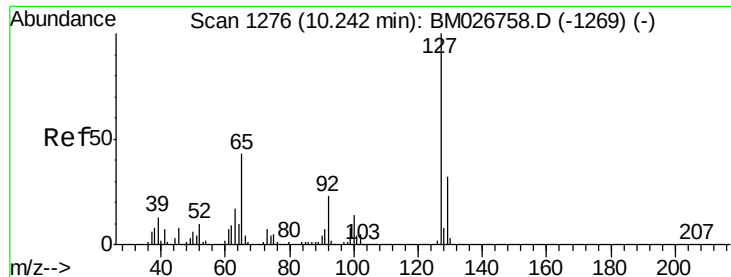
Delta R.T. -0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 50153 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 10.4  | 8.5   | 12.7  |
| 127       | 12.4  | 10.6  | 15.8  |





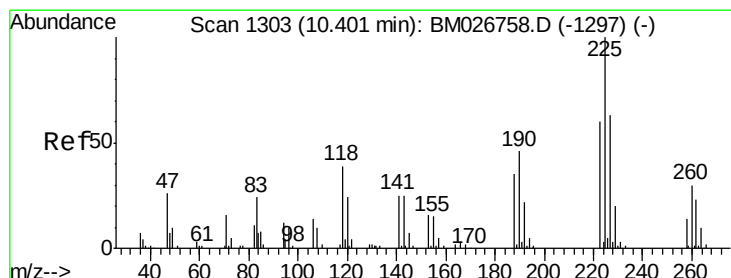
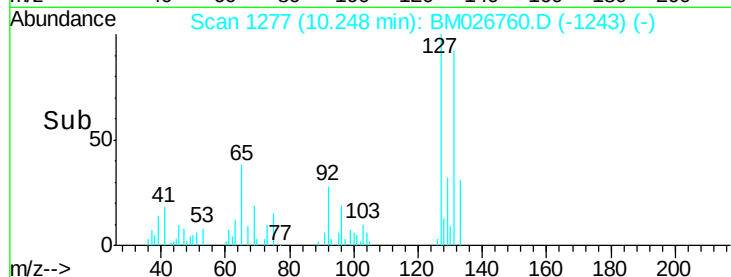
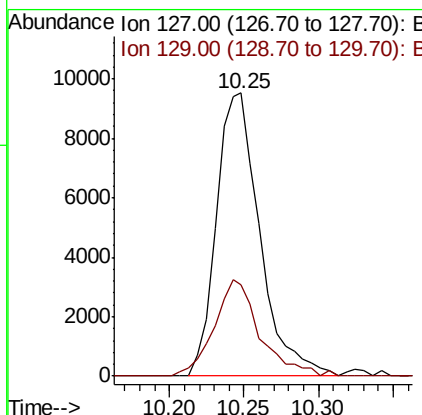
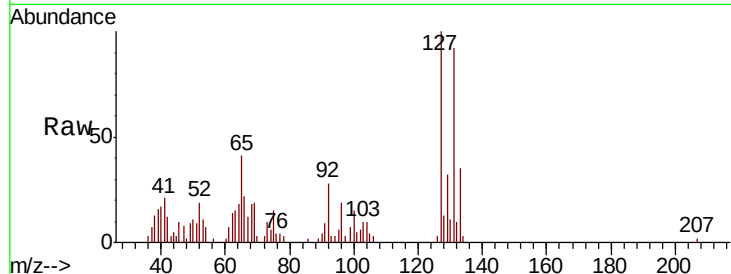
#30  
4-Chloroaniline  
Concen: 4.425 ng/ul  
RT: 10.25 min Scan# 1277  
Delta R.T. 0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

Tot Ion:127 Resp: 19336  
Ion Ratio Lower Upper  
127 100  
129 32.2 25.3 37.9

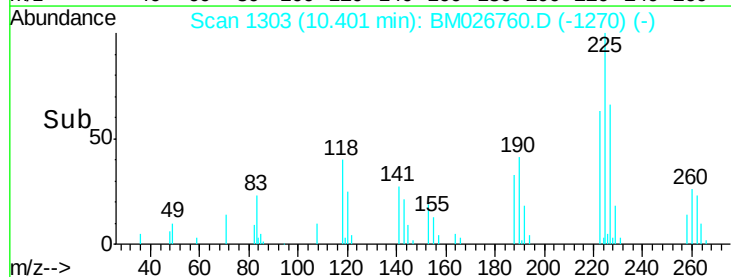
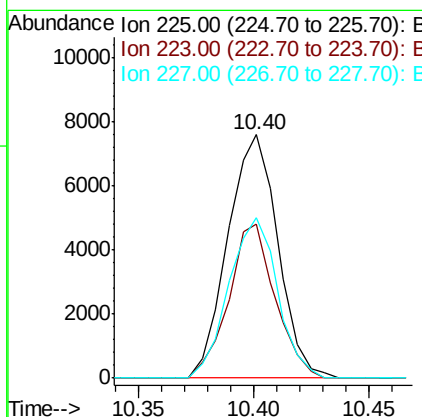
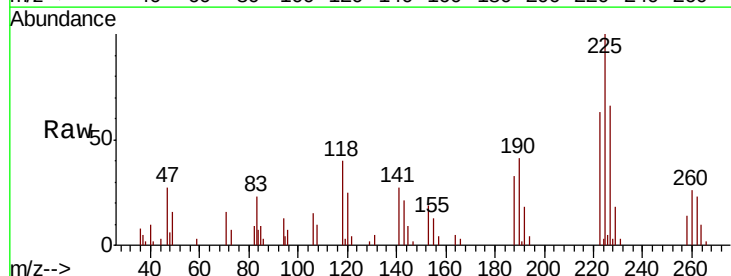
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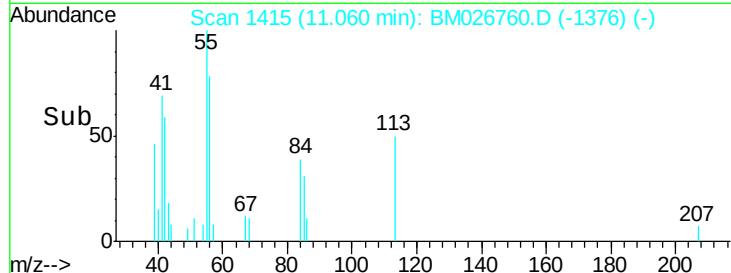
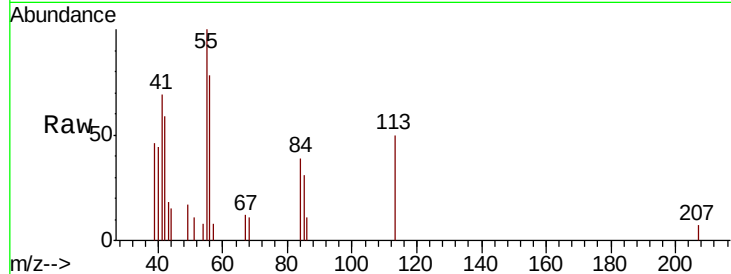
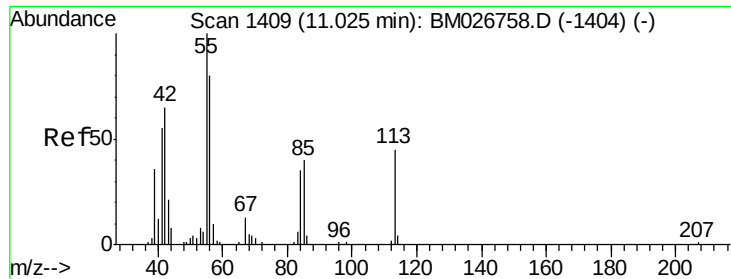
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#31  
Hexachlorobutadiene  
Concen: 3.922 ng/ul  
RT: 10.40 min Scan# 1303  
Delta R.T. -0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Tgt Ion:225 Resp: 11471  
Ion Ratio Lower Upper  
225 100  
223 63.1 49.7 74.5  
227 66.0 50.4 75.6





#32

Caprolactam

Concen: 2.879 ng/ul m

RT: 11.06 min Scan# 1415

Delta R.T. 0.03 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 3209  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 55       | 198.5 | 179.9 | 269.9 |
| 56       | 155.8 | 134.9 | 202.3 |

Instrument :

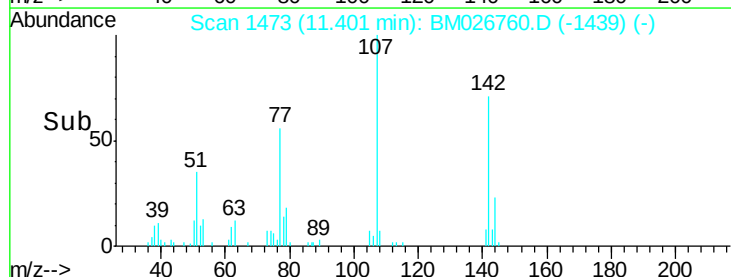
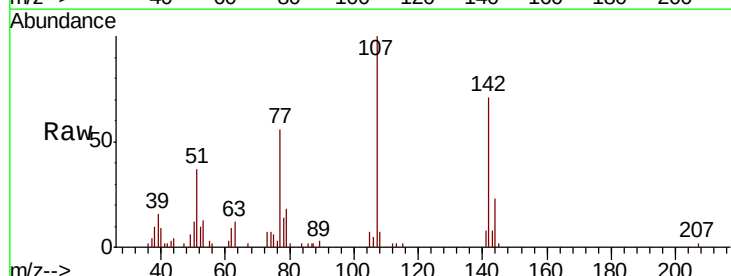
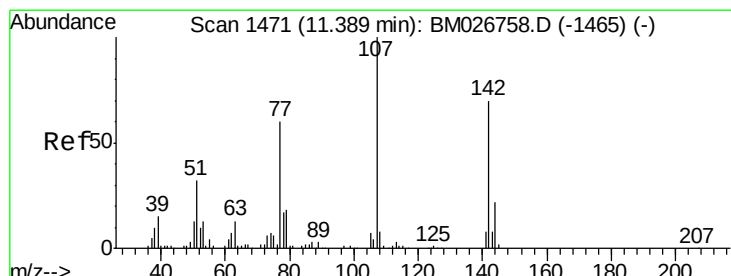
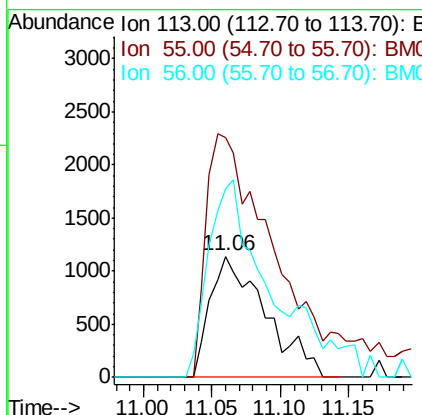
BNA\_M

ClientSampleId :

MDL-ME-SOIL-01

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#33

4-Chloro-3-methylphenol

Concen: 3.324 ng/ul

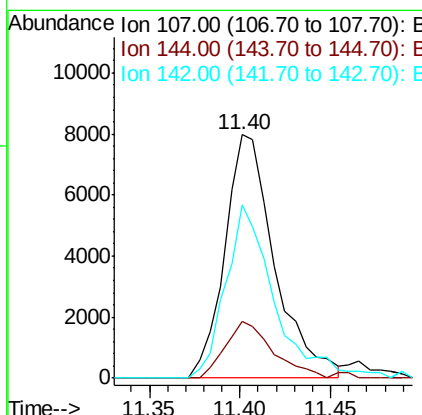
RT: 11.40 min Scan# 1473

Delta R.T. 0.00 min

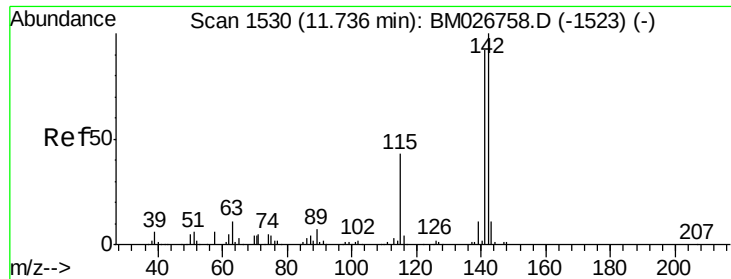
Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 15261 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 144      | 23.5  | 17.9  | 26.9  |
| 142      | 71.3  | 57.0  | 85.6  |







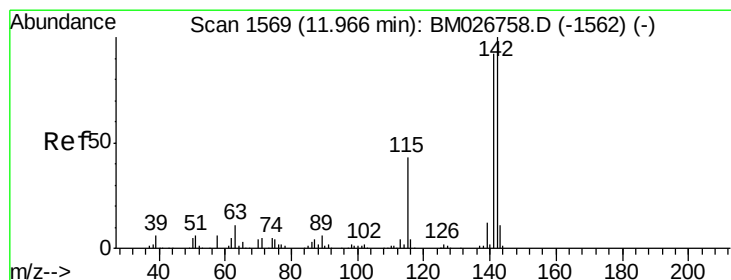
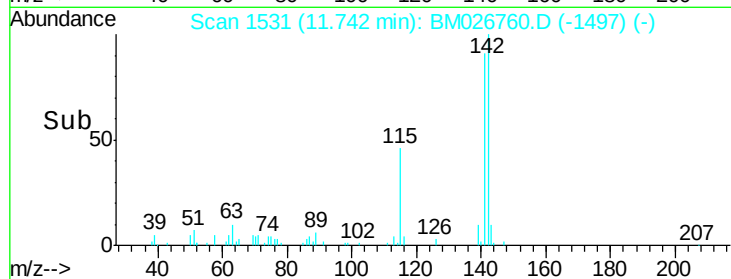
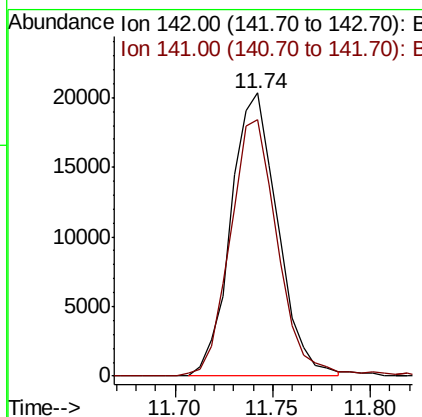
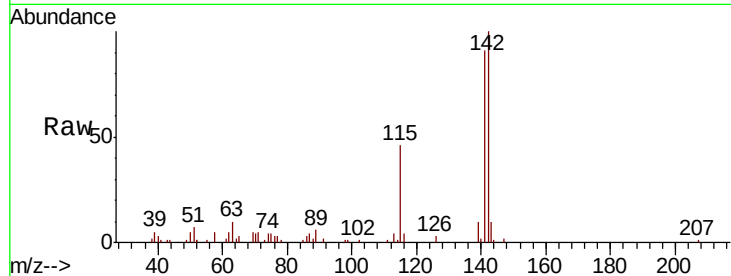
#34  
2-Methylnaphthalene  
Concen: 3.447 ng/ul  
RT: 11.74 min Scan# 1531  
Delta R.T. 0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

Tot Ion:142 Resp: 33802  
Ion Ratio Lower Upper  
142 100  
141 90.6 69.9 104.9

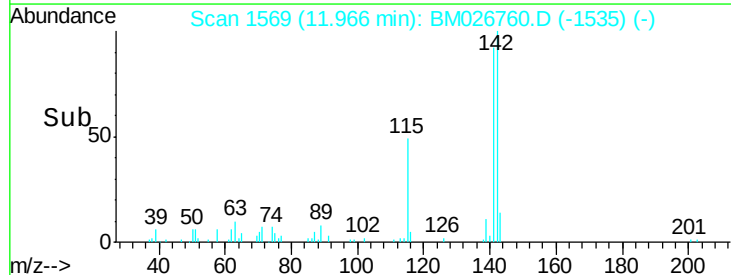
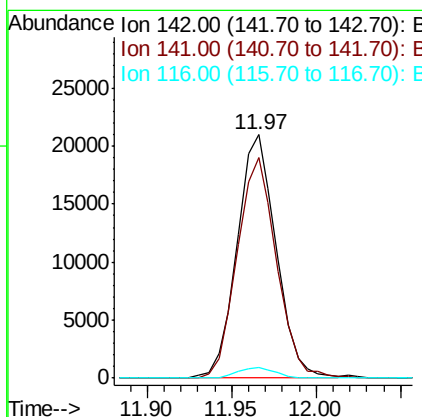
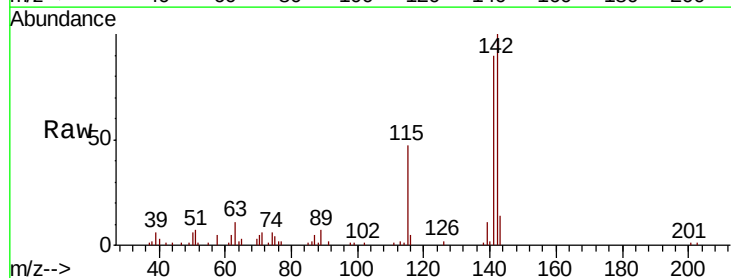
Manual Integrations  
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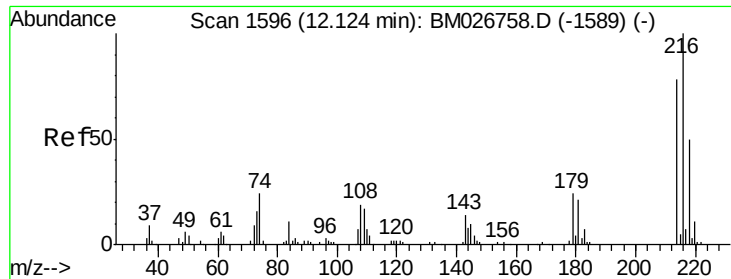
mohammad  
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#35  
1-Methylnaphthalene  
Concen: 3.692 ng/ul  
RT: 11.97 min Scan# 1569  
Delta R.T. 0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Tgt Ion:142 Resp: 33741  
Ion Ratio Lower Upper  
142 100  
141 90.5 72.7 109.1  
116 4.6 3.7 5.5





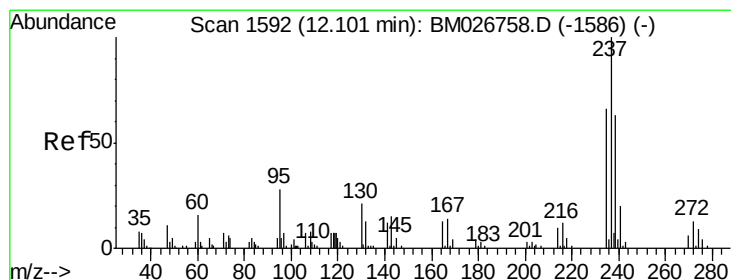
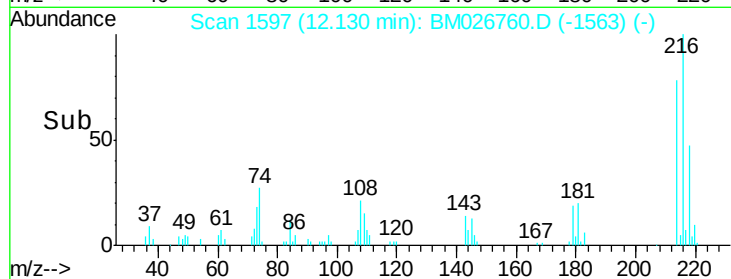
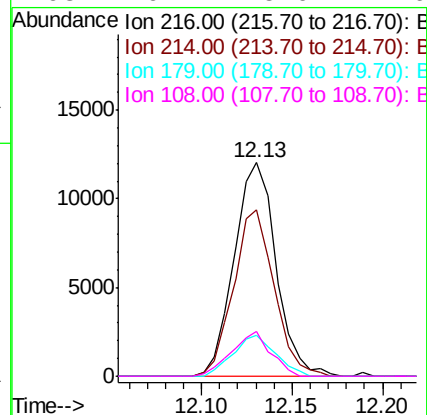
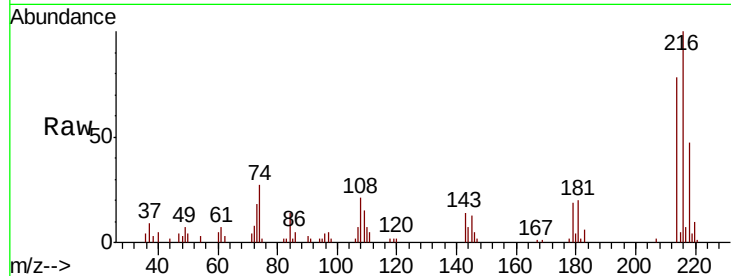
#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 3.680 ng/ul  
 RT: 12.13 min Scan# 1597  
 Delta R.T. 0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-ME-SOIL-01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 216     | 100  |       | 19374 |       |       |
| 214     | 78.0 | 61.5  | 92.3  |       |       |
| 179     | 23.3 | 17.4  | 26.2  |       |       |
| 108     | 20.7 | 15.0  | 22.6  |       |       |

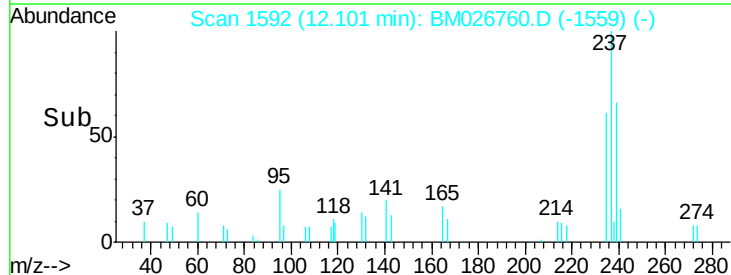
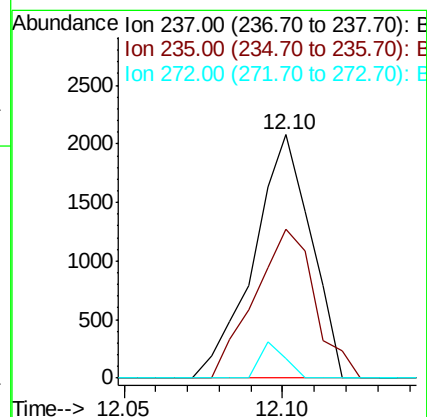
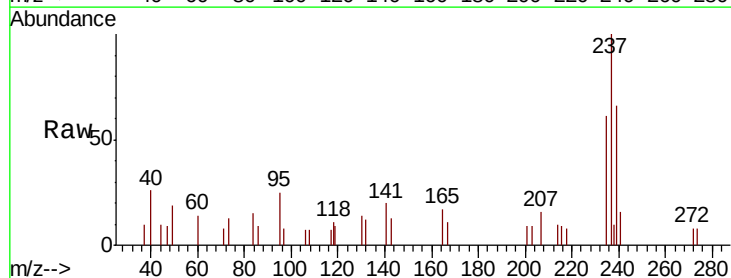
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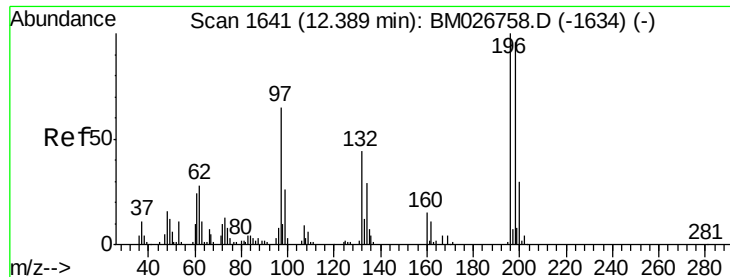
mohammad  
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#38  
 Hexachlorocyclopentadiene  
 Concen: 0.971 ng/ul  
 RT: 12.10 min Scan# 1592  
 Delta R.T. -0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 237     | 100  |       | 2609  |       |       |
| 235     | 61.1 | 50.2  | 75.4  |       |       |
| 272     | 8.1  | 10.1  | 15.1# |       |       |





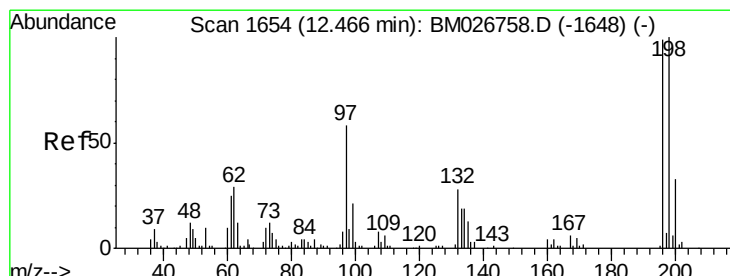
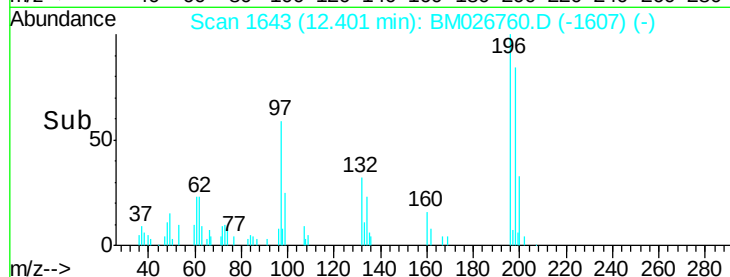
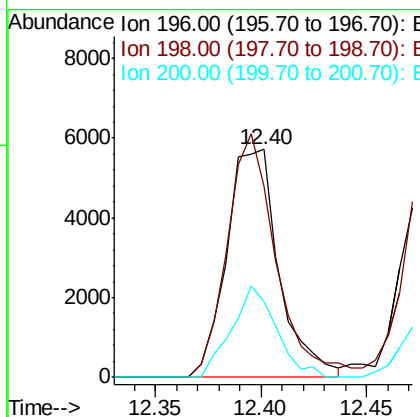
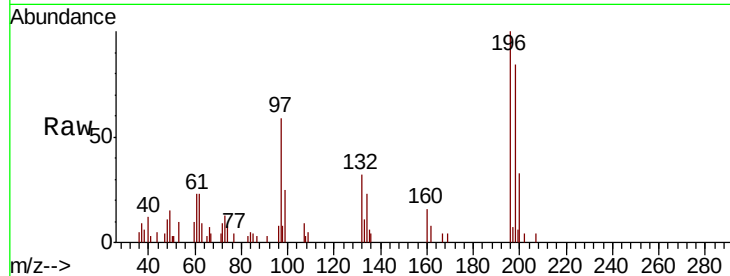
#39  
2,4,6-Trichlorophenol  
Concen: 3.168 ng/ul  
RT: 12.40 min Scan# 1643  
Delta R.T. 0.01 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   | 9846 |       |       |
| 198     | 83.6  |      | 79.8  | 119.6 |
| 200     | 33.1  |      | 25.2  | 37.8  |

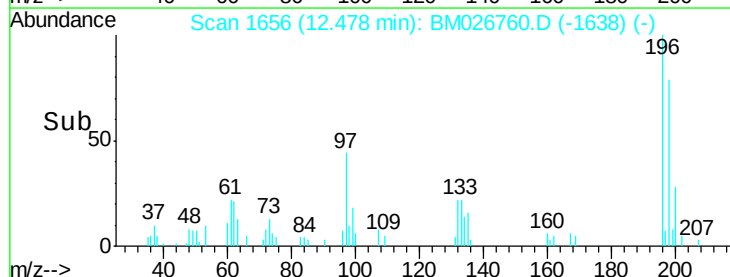
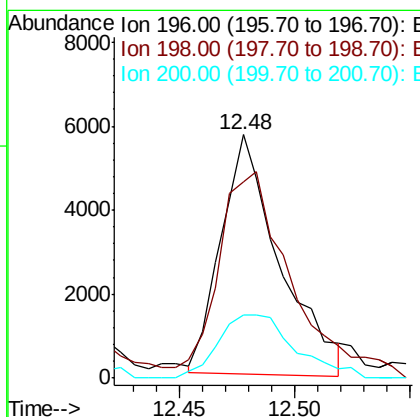
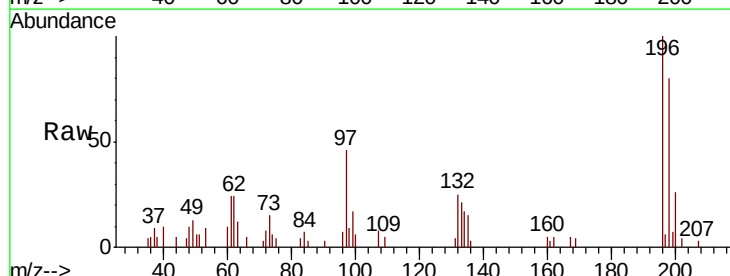
Manual Integrations  
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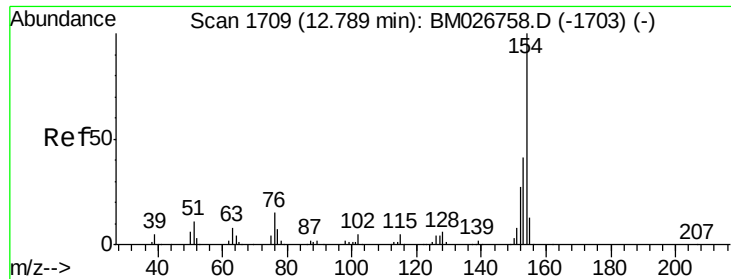
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#40  
2,4,5-Trichlorophenol  
Concen: 2.972 ng/ul  
RT: 12.48 min Scan# 1656  
Delta R.T. 0.01 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 10100 |       |       |
| 198     | 80.4  |       | 72.4  | 108.6 |
| 200     | 26.0  |       | 23.8  | 35.8  |





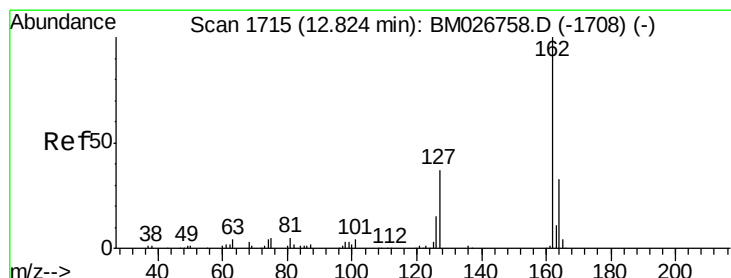
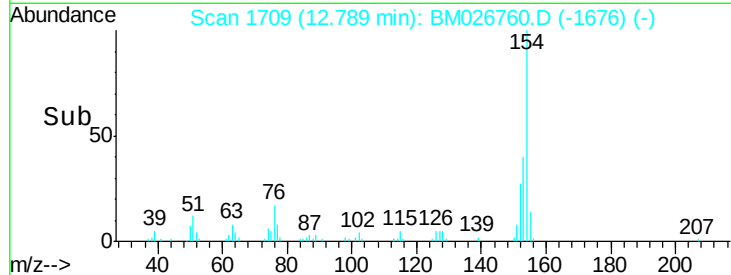
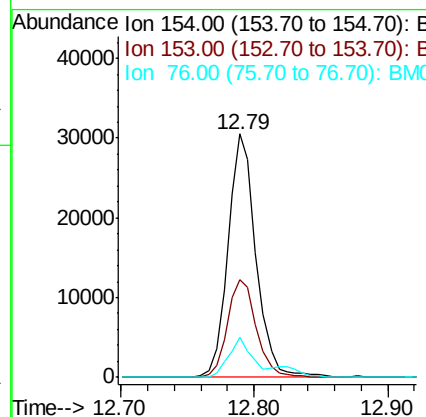
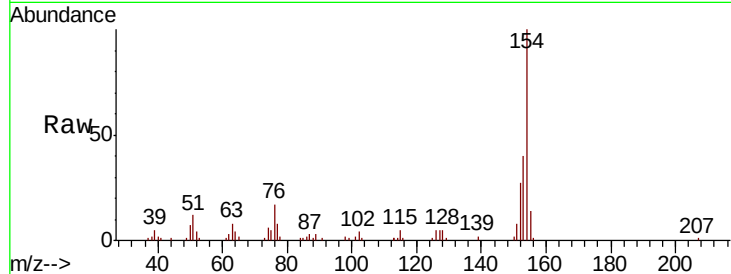
#41  
 1,1'-Biphenyl  
 Concen: 3.581 ng/ul  
 RT: 12.79 min Scan# 1709  
 Delta R.T. -0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-ME-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 44891 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 40.0  | 32.9  | 49.3  |
| 76        | 16.7  | 11.7  | 17.5  |

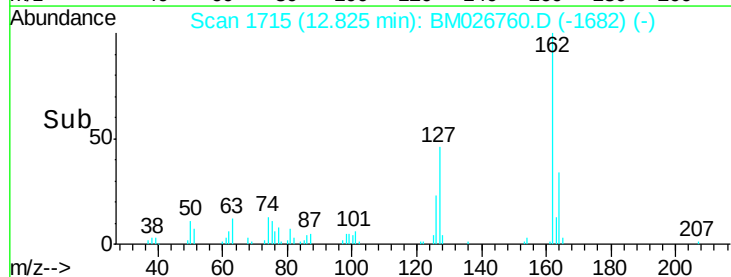
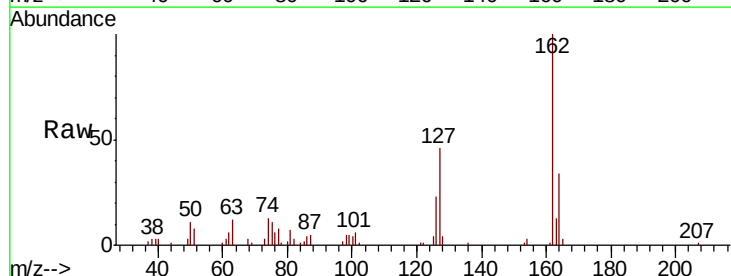
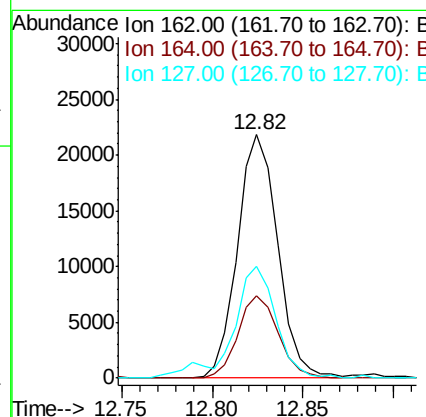
Manual Integrations  
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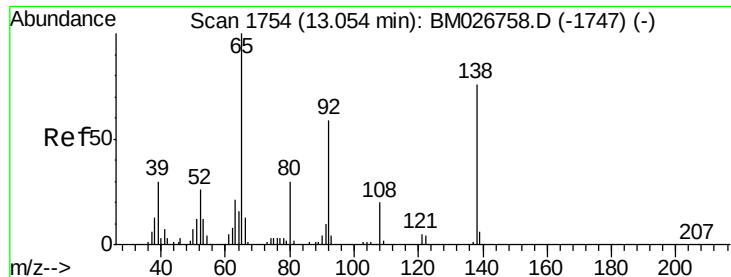
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#42  
 2-Chloronaphthalene  
 Concen: 3.424 ng/ul  
 RT: 12.82 min Scan# 1715  
 Delta R.T. -0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 33786 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 33.7  | 26.9  | 40.3  |
| 127       | 46.1  | 33.6  | 50.4  |





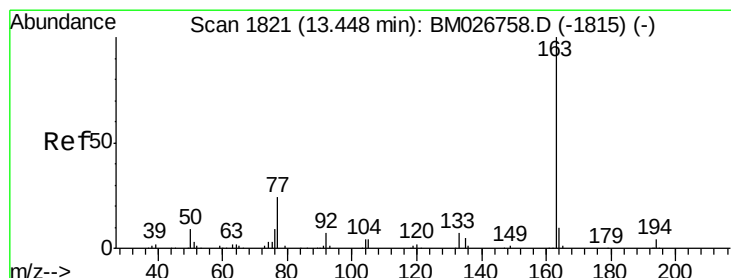
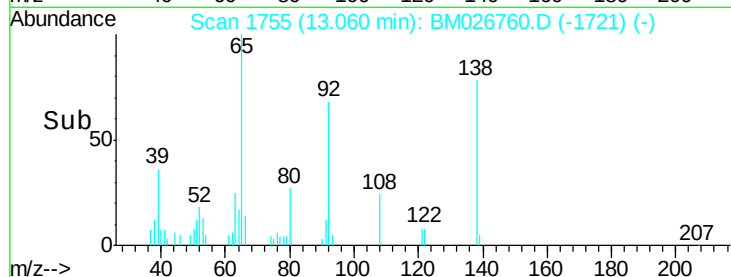
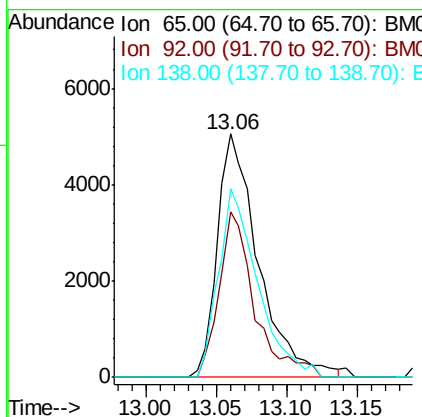
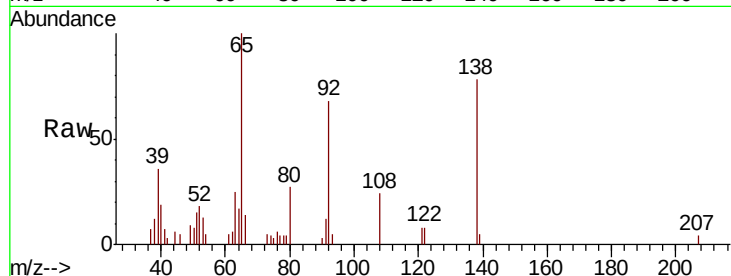
#43  
2-Nitroaniline  
Concen: 3.096 ng/ul  
RT: 13.06 min Scan# 1755  
Delta R.T. 0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 68.0  | 48.4  | 72.6  |
| 138     | 77.7  | 65.3  | 97.9  |

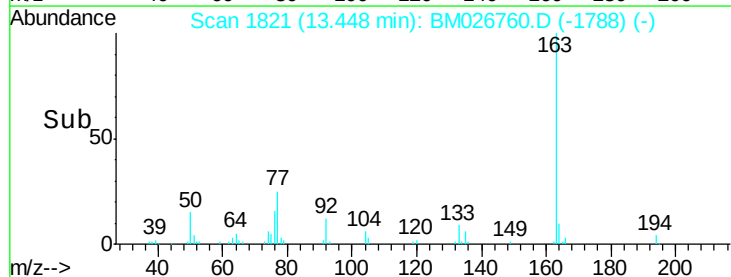
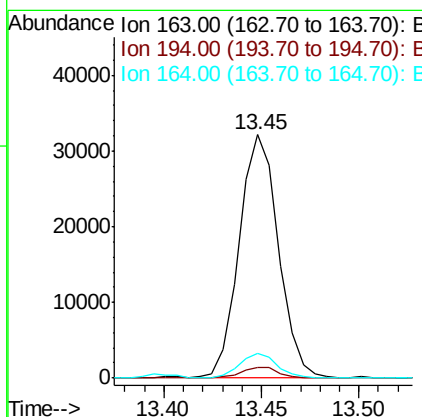
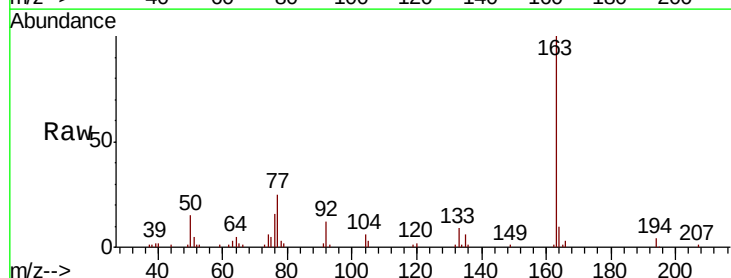
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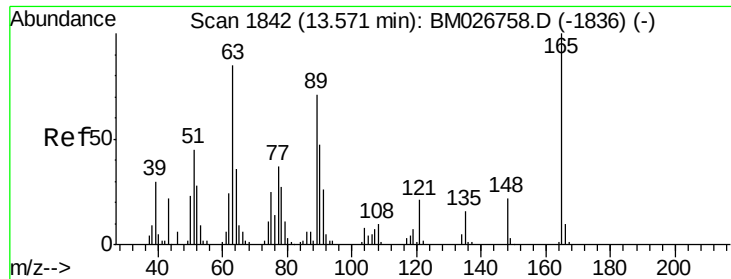
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#45  
Dimethylphthalate  
Concen: 3.700 ng/ul  
RT: 13.45 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.5   | 3.5   | 5.3   |
| 164     | 10.4  | 7.8   | 11.6  |





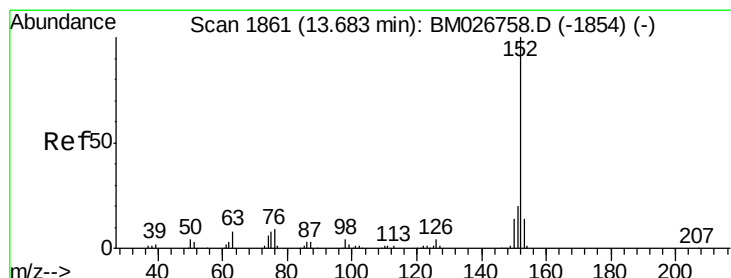
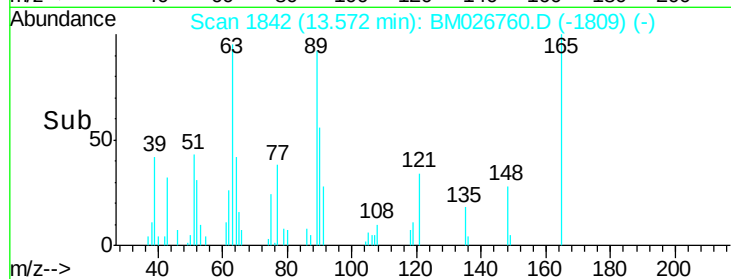
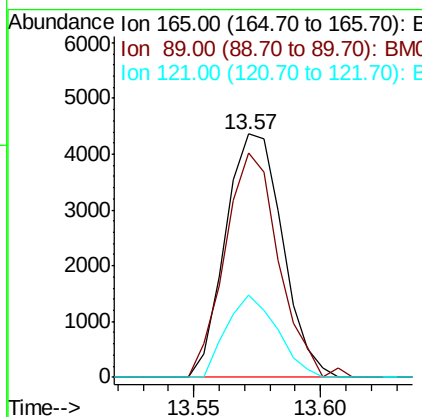
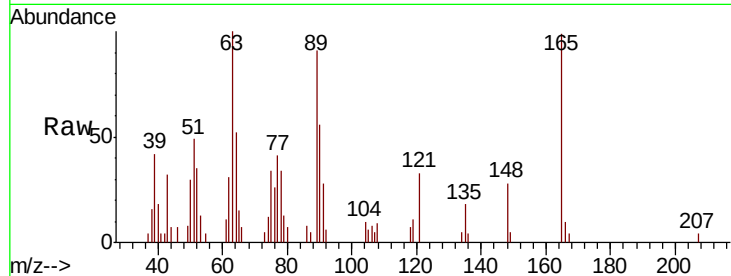
#46  
 2,6-Dinitrotoluene  
 Concen: 2.924 ng/ul  
 RT: 13.57 min Scan# 1842  
 Delta R.T. -0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 89      | 92.3  | 54.2  | 81.4# |
| 121     | 33.8  | 18.2  | 27.4# |

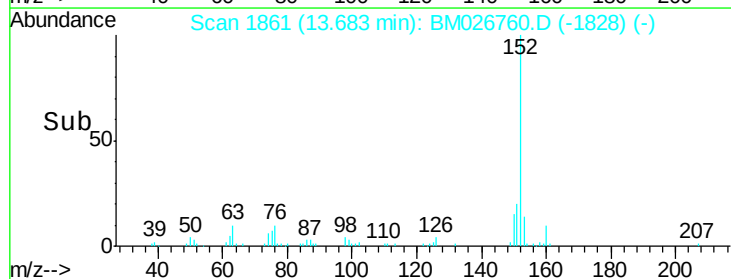
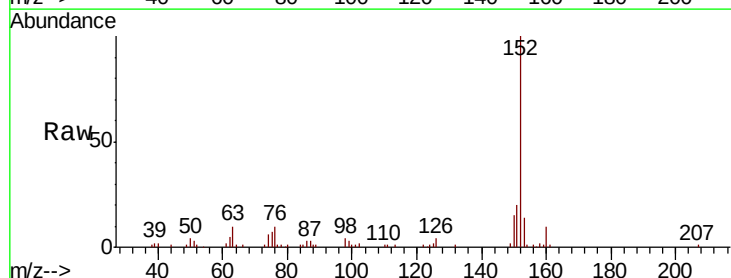
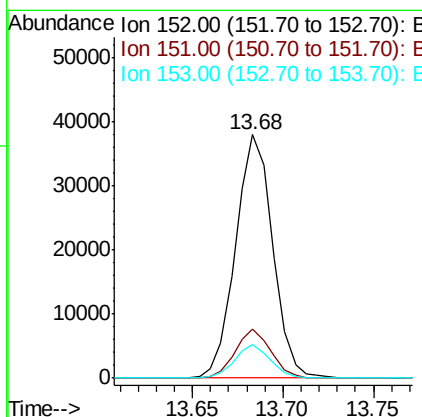
Manual Integrations  
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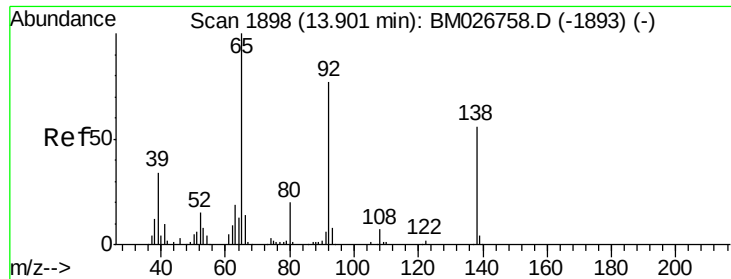
mohammad  
 7/20/2020 11:25:06 AM



#48  
 Acenaphthylene  
 Concen: 3.613 ng/ul  
 RT: 13.68 min Scan# 1861  
 Delta R.T. -0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.0  | 15.0  | 22.6  |
| 153     | 13.8  | 10.6  | 16.0  |





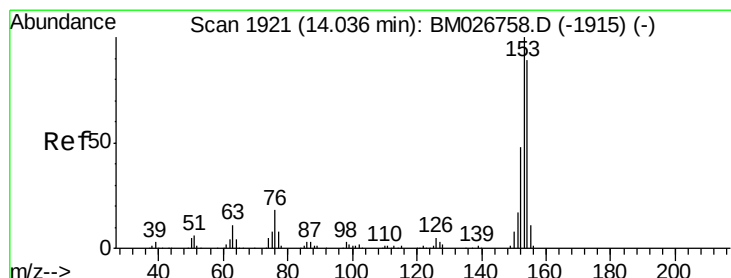
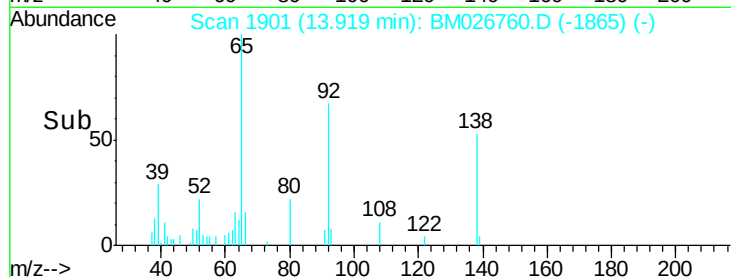
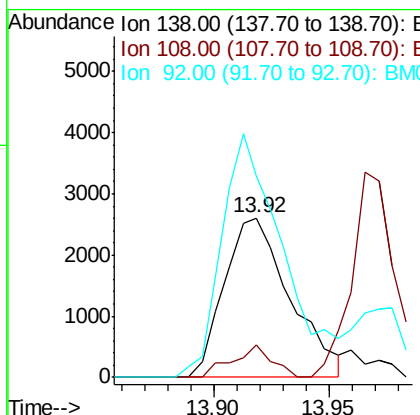
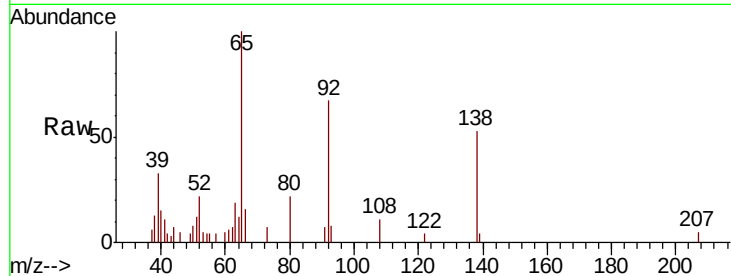
#49  
3-Nitroaniline  
Concen: 2.662 ng/ul  
RT: 13.92 min Scan# 1901  
Delta R.T. 0.01 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 20.5  | 10.6  | 16.0  |
| 92      | 126.0 | 108.6 | 162.8 |

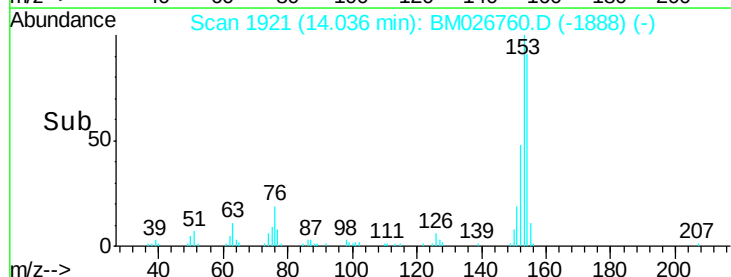
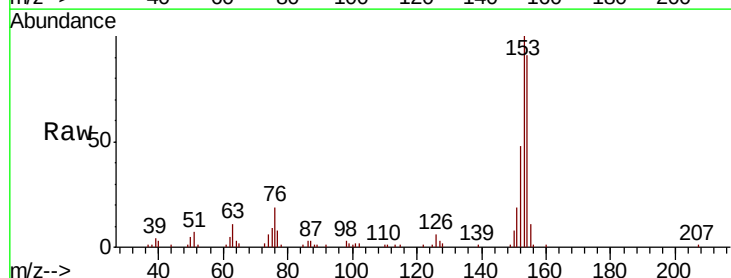
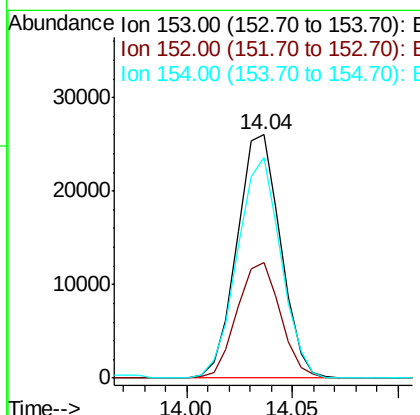
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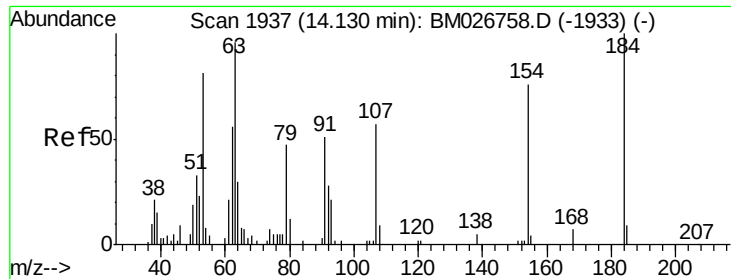
mohammad  
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#50  
Acenaphthene  
Concen: 3.529 ng/ul  
RT: 14.04 min Scan# 1921  
Delta R.T. -0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 47.6  | 37.7  | 56.5  |
| 154     | 90.8  | 71.3  | 106.9 |





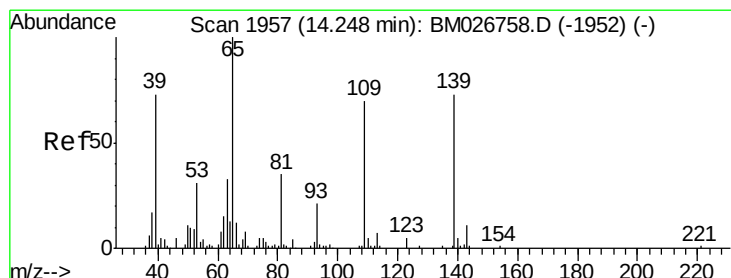
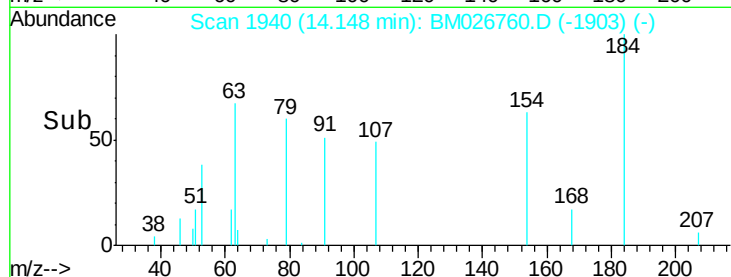
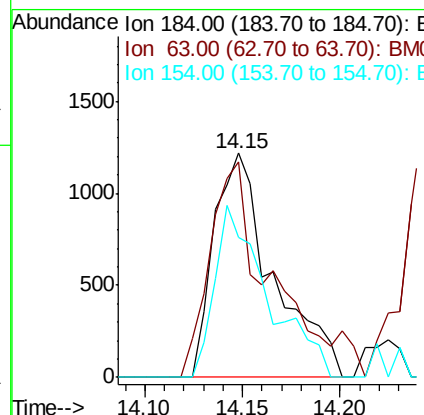
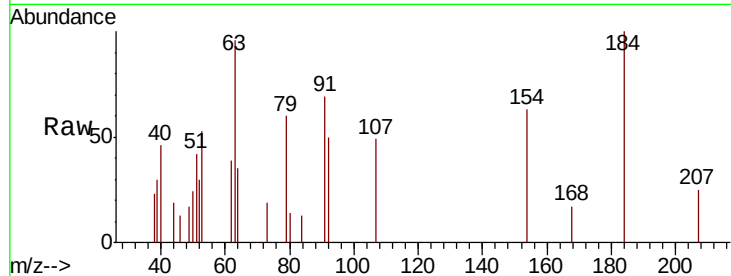
#51  
2,4-Dinitrophenol  
Concen: 2.104 ng/ul  
RT: 14.15 min Scan# 1940  
Delta R.T. 0.02 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 96.4  | 74.6  | 111.8 |
| 154     | 62.7  | 58.8  | 88.2  |

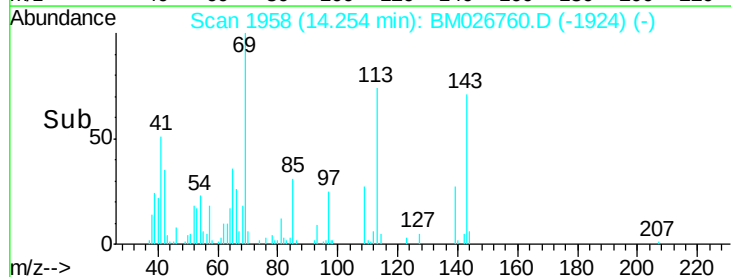
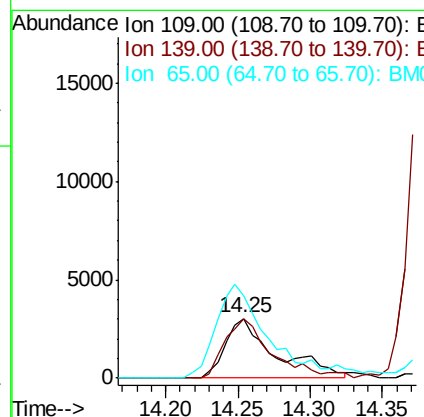
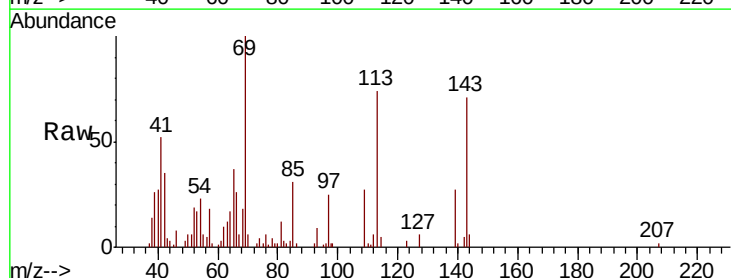
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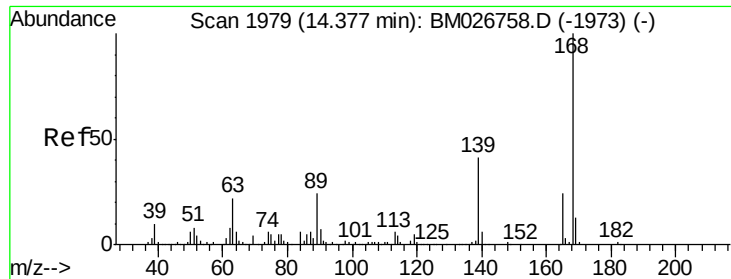


#53  
4-Nitrophenol  
Concen: 4.267 ng/ul m  
RT: 14.25 min Scan# 1958  
Delta R.T. 0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 109     | 100   |       |       |
| 139     | 98.8  | 87.5  | 131.3 |
| 65      | 138.2 | 119.4 | 179.2 |







#54

Dibenzo(f,h)quinoxaline

Concen: 3.600 ng/ul

RT: 14.38 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

Instrument :

BNA\_M

ClientSampleId :

MDL-ME-SOIL-01

Tot Ion:168 Resp: 53977

Ion Ratio Lower Upper

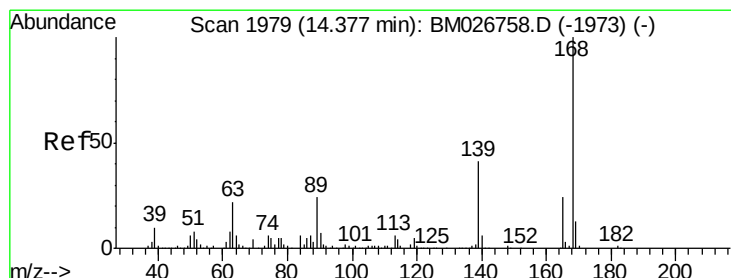
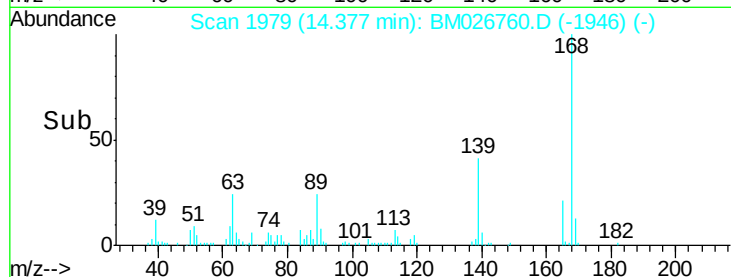
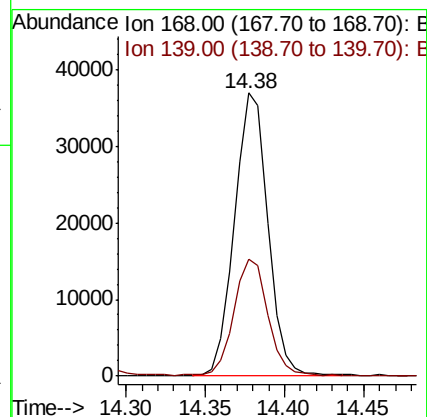
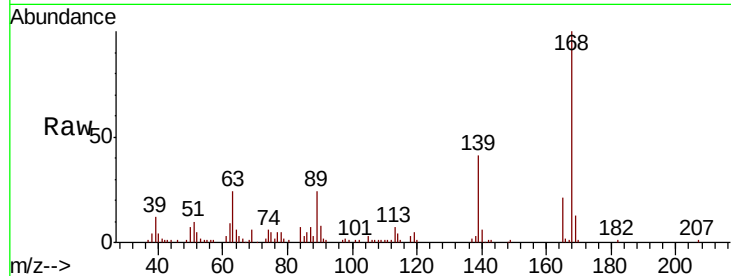
168 100

139 41.5 31.1 46.7

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#55

2,4-Dinitrotoluene

Concen: 3.137 ng/ul

RT: 14.38 min Scan# 1979

Delta R.T. 0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

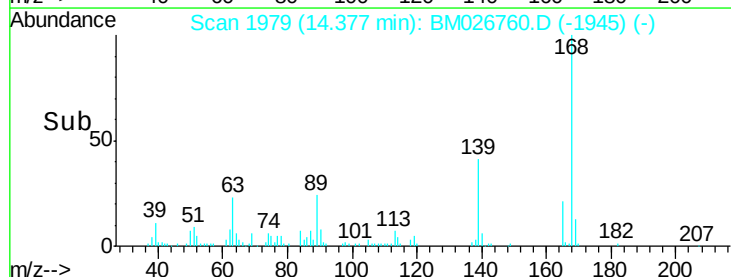
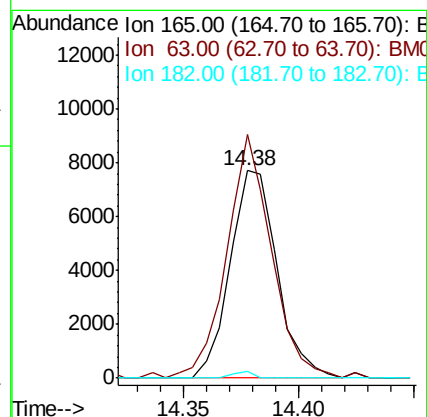
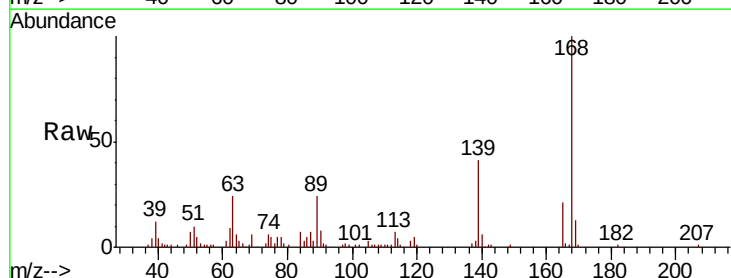
Tgt Ion:165 Resp: 10903

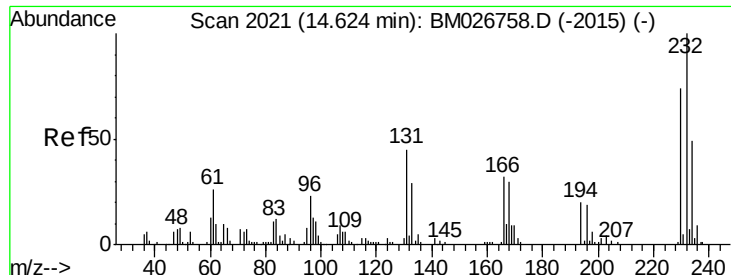
Ion Ratio Lower Upper

165 100

63 117.4 65.3 97.9#

182 3.0 2.2 3.4





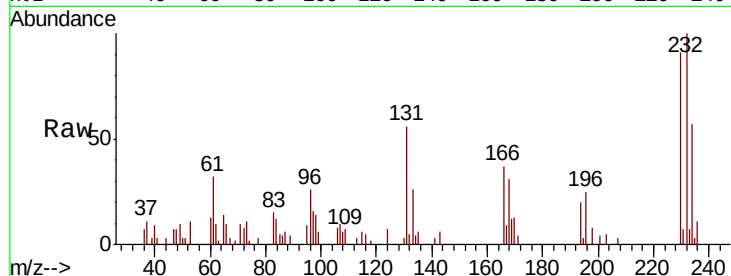
#56  
2,3,4,6-Tetrachlorophenol  
Concen: 3.330 ng/ul  
RT: 14.62 min Scan# 2021  
Delta R.T. 0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 55.6  | 33.4  | 50.0  |
| 130     | 2.8   | 2.2   | 3.2   |
| 166     | 37.0  | 25.2  | 37.8  |

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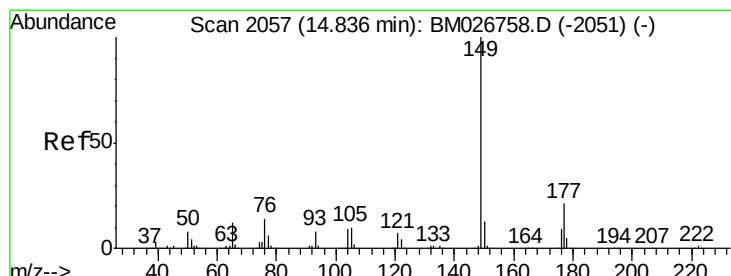
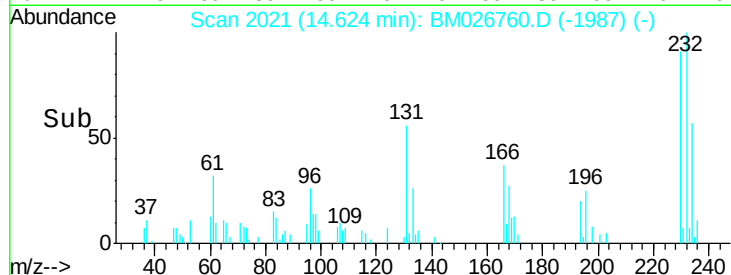
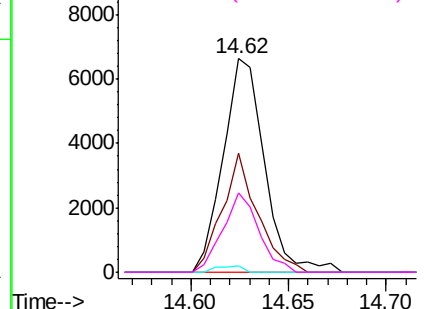
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#57  
Diethylphthalate  
Concen: 3.652 ng/ul  
RT: 14.84 min Scan# 2057  
Delta R.T. -0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

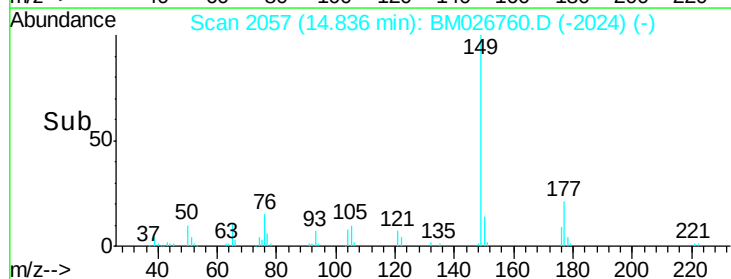
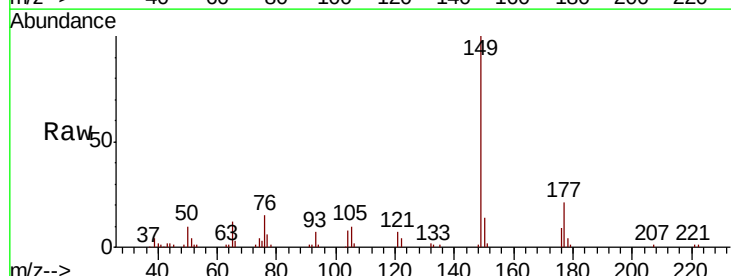
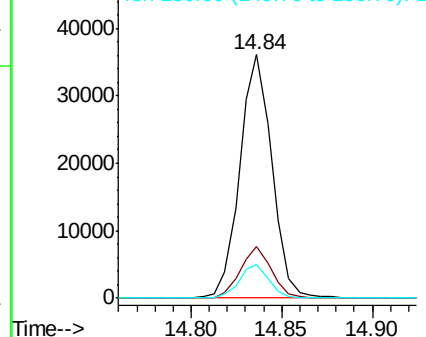
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.4  | 16.6  | 25.0  |
| 150     | 13.6  | 10.0  | 15.0  |

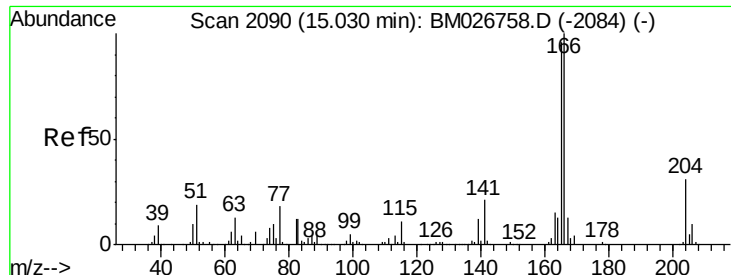
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





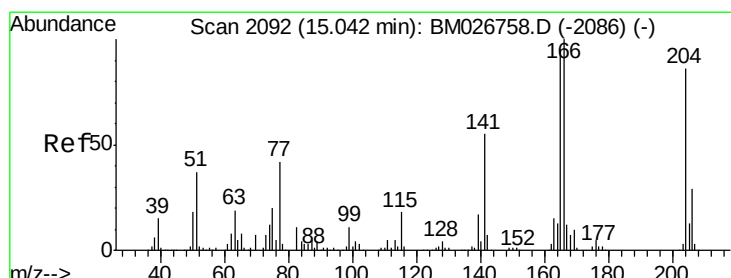
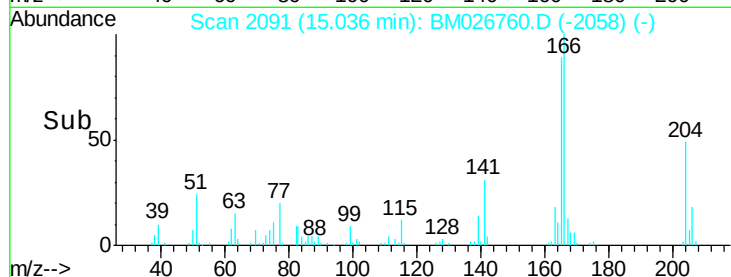
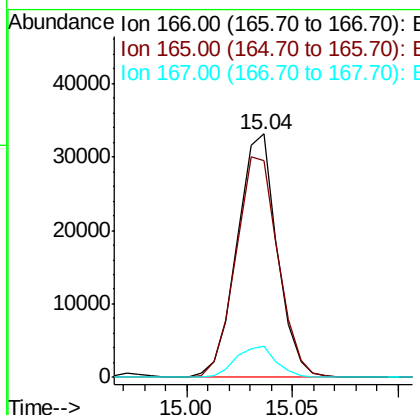
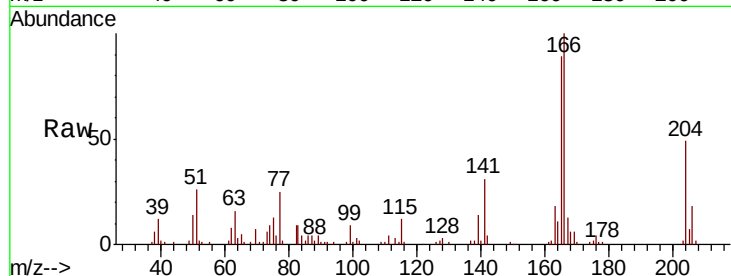
#59  
**Fluorene**  
 Concen: 3.566 ng/ul  
 RT: 15.04 min Scan# 2091  
 Delta R.T. -0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 88.8  | 77.0  | 115.4 |
| 167     | 13.0  | 10.7  | 16.1  |

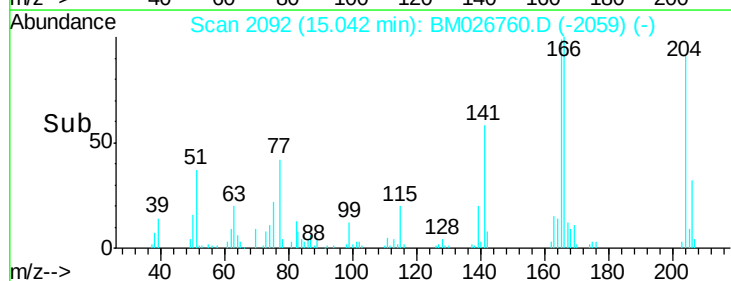
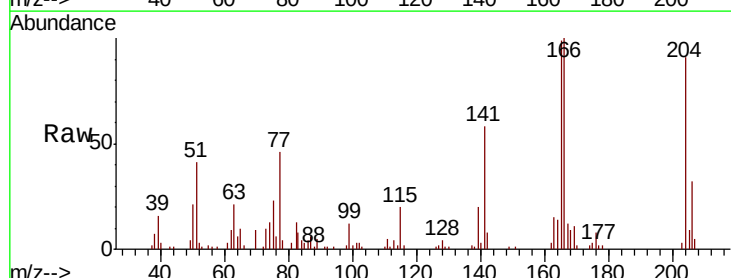
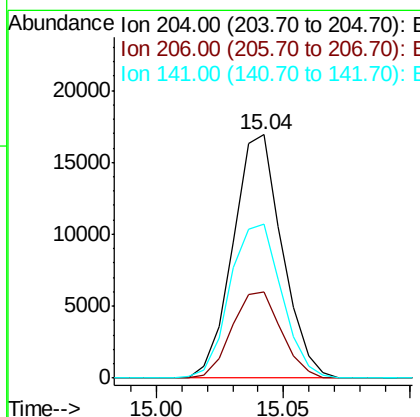
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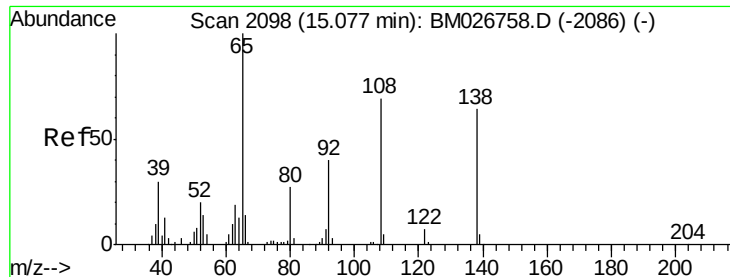
mohammad  
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#60  
**4-Chlorophenyl-phenylether**  
 Concen: 3.574 ng/ul  
 RT: 15.04 min Scan# 2092  
 Delta R.T. -0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 35.4  | 25.3  | 37.9  |
| 141     | 63.3  | 50.3  | 75.5  |





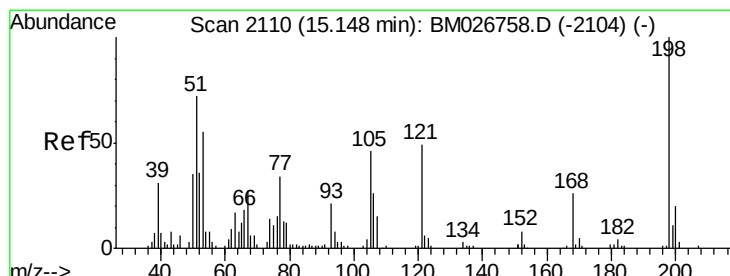
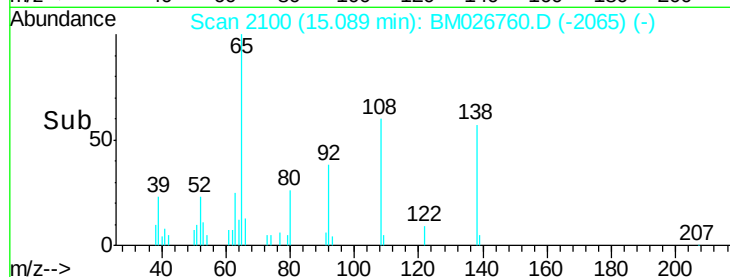
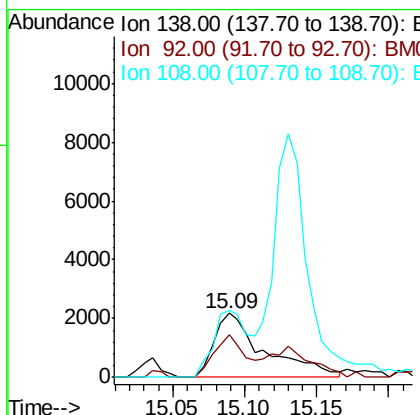
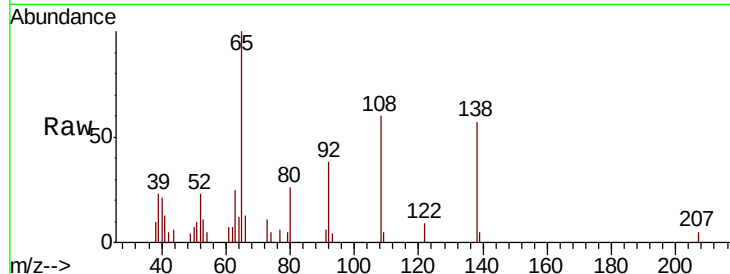
#61  
4-Nitroaniline  
Concen: 2.411 ng/ul m  
RT: 15.09 min Scan# 2100  
Delta R.T. 0.01 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 66.3  | 47.7  | 71.5  |
| 108     | 105.0 | 82.6  | 123.8 |

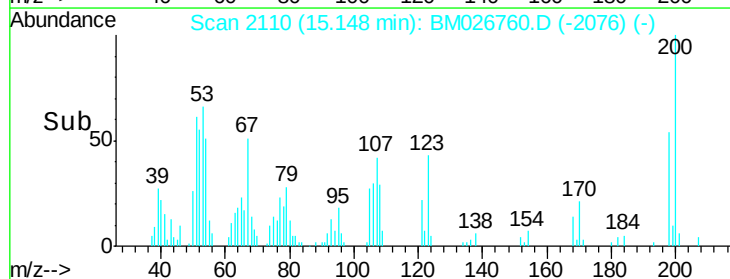
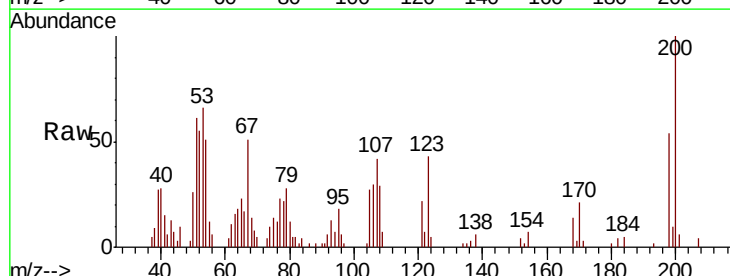
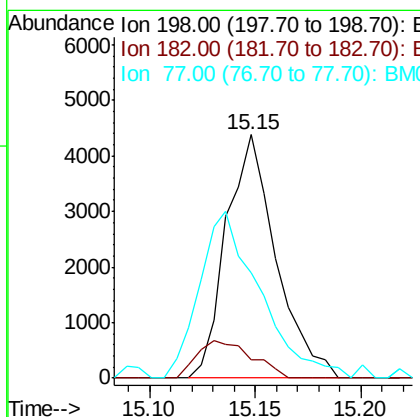
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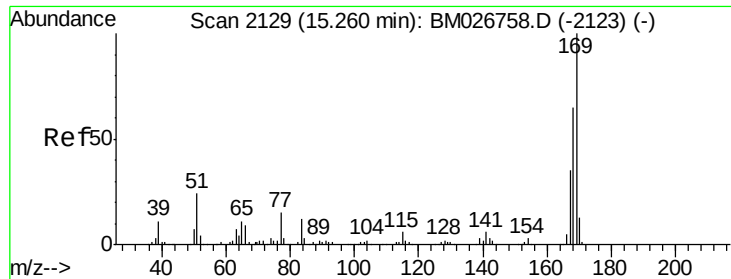
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 3.655 ng/ul  
RT: 15.15 min Scan# 2110  
Delta R.T. 0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 182     | 7.6   | 4.0   | 6.0#  |
| 77      | 43.2  | 26.7  | 40.1# |





#65

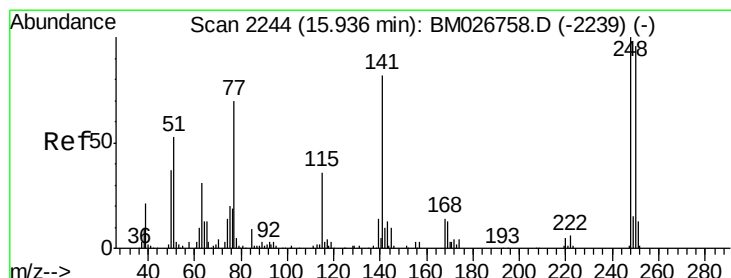
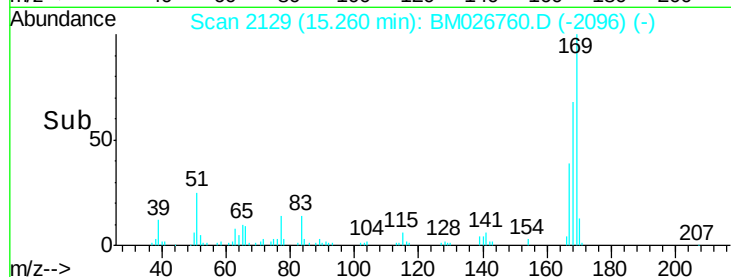
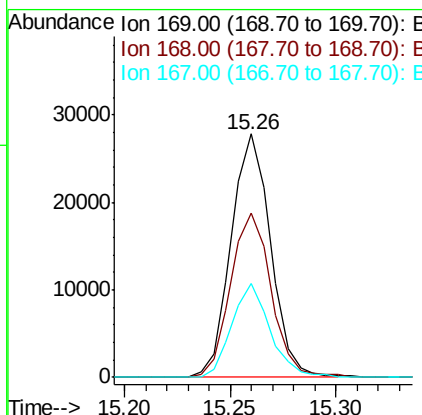
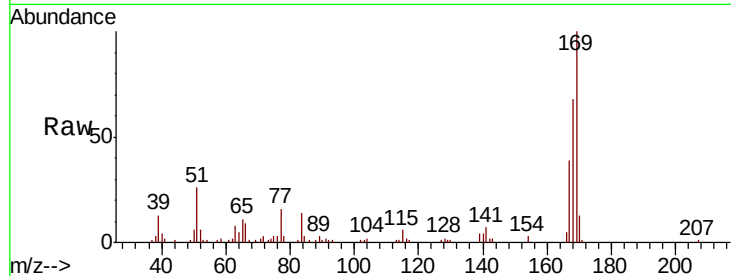
N-Nitrosodiphenylamine  
Concen: 3.643 ng/ul  
RT: 15.26 min Scan# 2129  
Delta R.T. -0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.6  | 51.7  | 77.5  |
| 167     | 38.8  | 28.4  | 42.6  |

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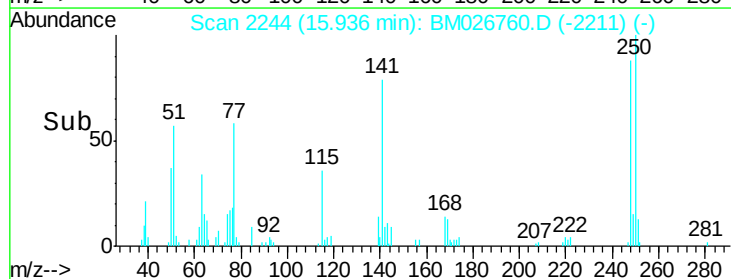
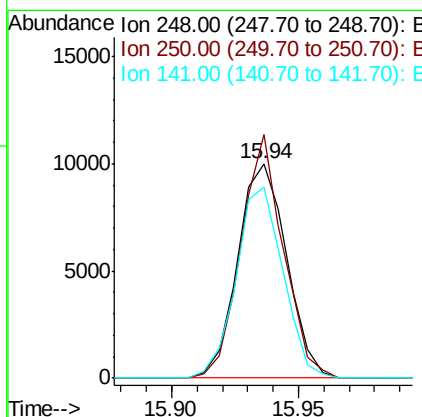
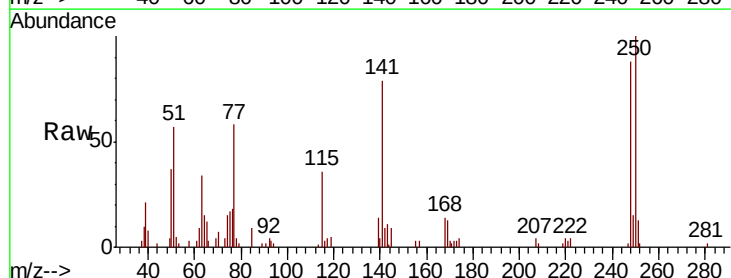
mohammad  
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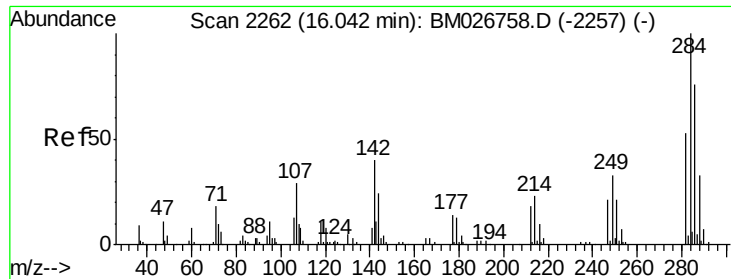


#66

4-Bromophenyl-phenylether  
Concen: 3.759 ng/ul  
RT: 15.94 min Scan# 2244  
Delta R.T. -0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 113.6 | 77.4  | 116.0 |
| 141     | 89.2  | 66.1  | 99.1  |





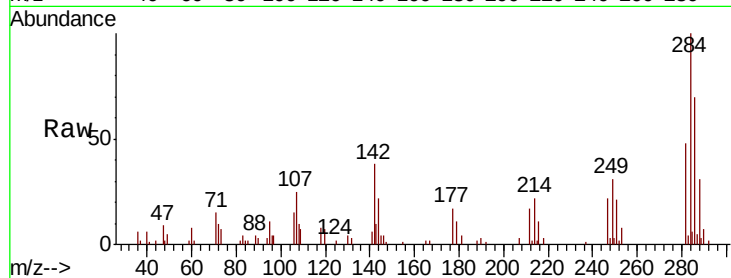
#67  
Hexachlorobenzene  
Concen: 3.889 ng/ul  
RT: 16.04 min Scan# 2262  
Delta R.T. -0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampled :  
MDL-ME-SOIL-01

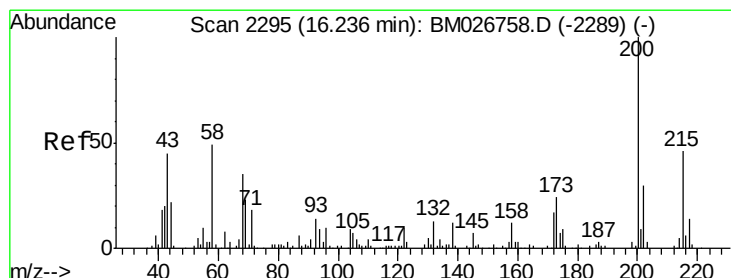
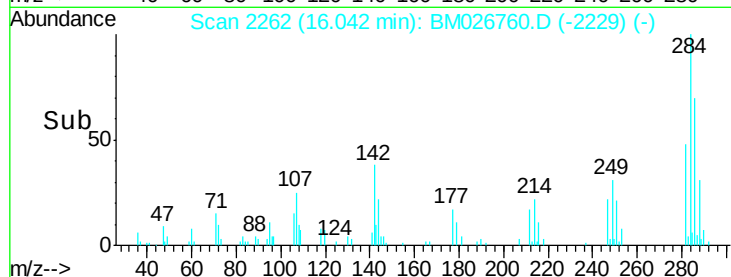
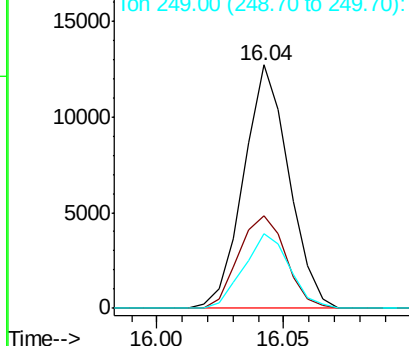
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 35.9  | 27.1  | 40.7  |
| 249     | 31.7  | 25.8  | 38.6  |

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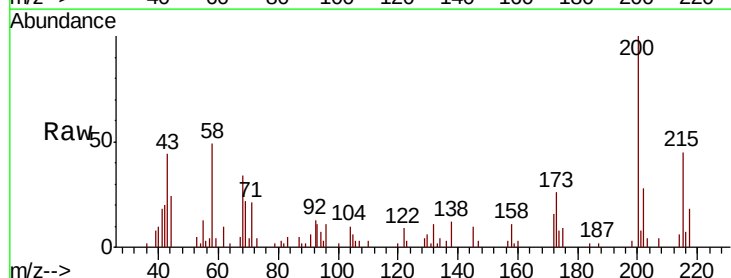


Abundance Ion 284.00 (283.70 to 284.70): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

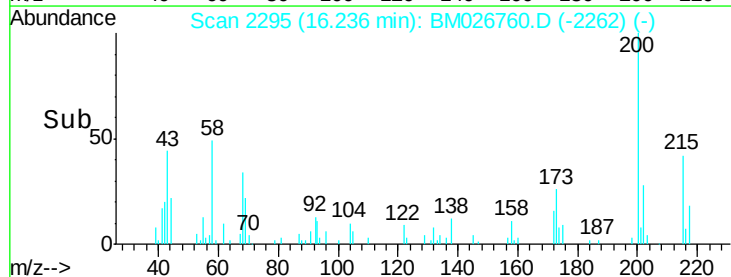
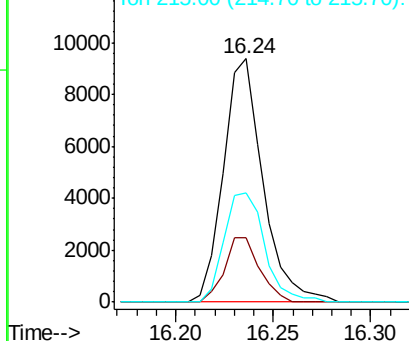


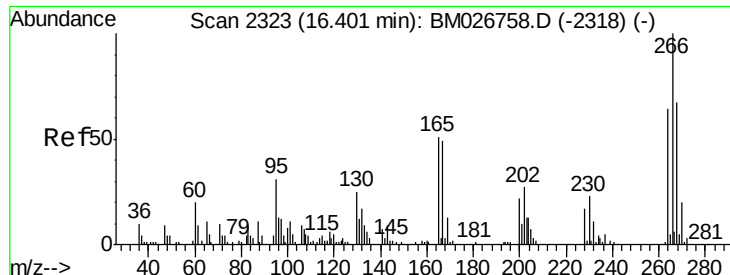
#68  
Atrazine  
Concen: 4.084 ng/ul  
RT: 16.24 min Scan# 2295  
Delta R.T. -0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.4  | 20.8  | 31.2  |
| 215     | 45.0  | 37.8  | 56.8  |



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





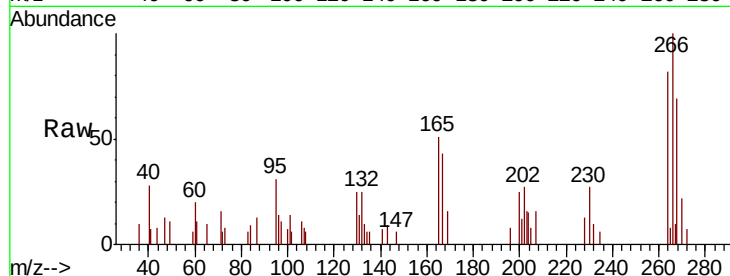
#69  
 Pentachlorophenol  
 Concen: 2.888 ng/ul m  
 RT: 16.41 min Scan# 2325  
 Delta R.T. 0.01 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-ME-SOIL-01

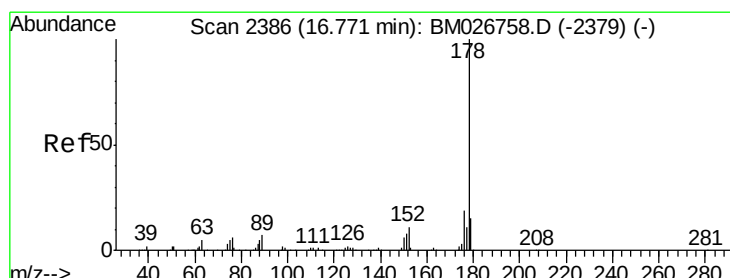
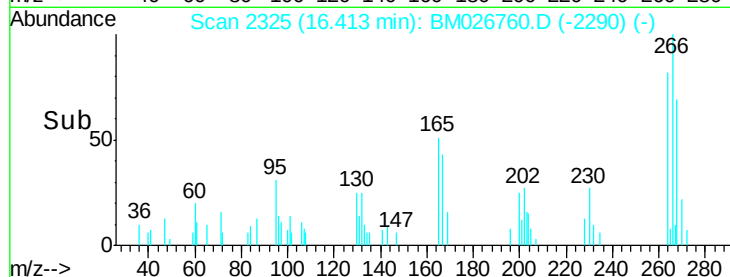
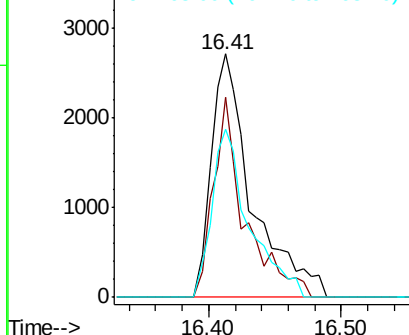
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 82.1  | 49.9  | 74.9# |
| 268     | 69.1  | 51.4  | 77.0  |

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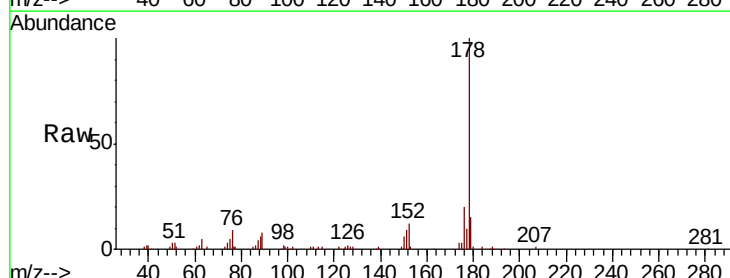


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

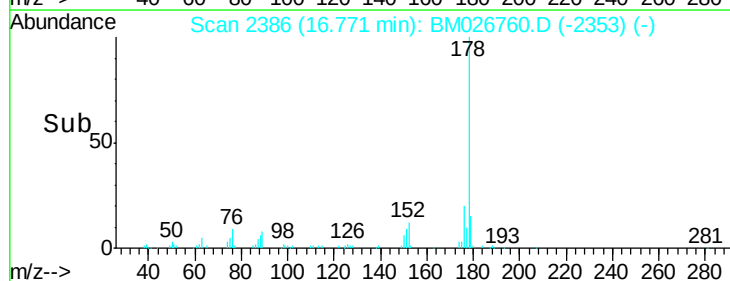
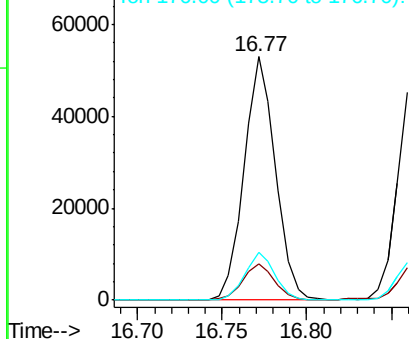


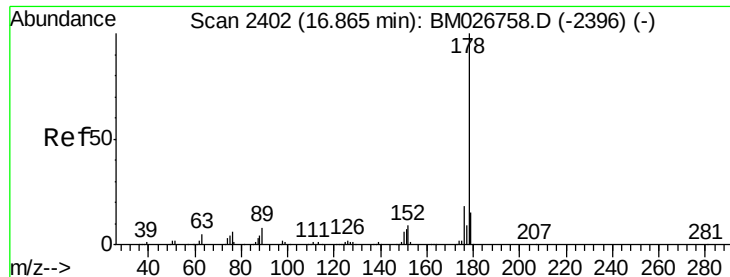
#70  
 Phenanthrene  
 Concen: 3.708 ng/ul  
 RT: 16.77 min Scan# 2386  
 Delta R.T. -0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 14.7  | 12.4  | 18.6  |
| 176     | 19.6  | 14.3  | 21.5  |



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





#72

Anthracene

Concen: 3.718 ng/ul

RT: 16.87 min Scan# 2402

Delta R.T. -0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

Instrument :

BNA\_M

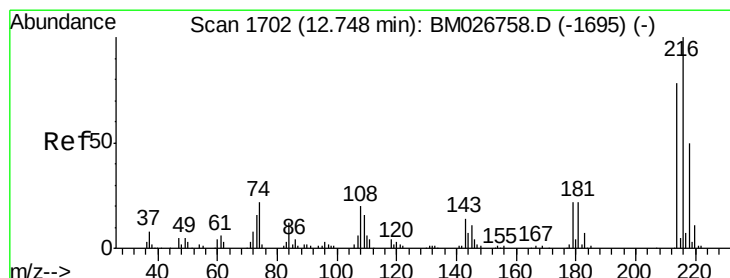
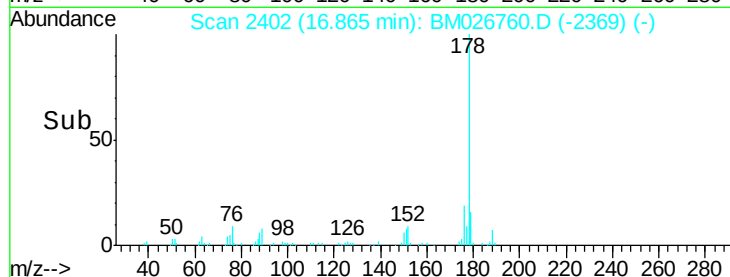
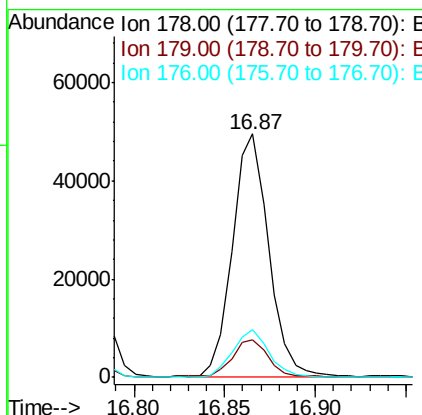
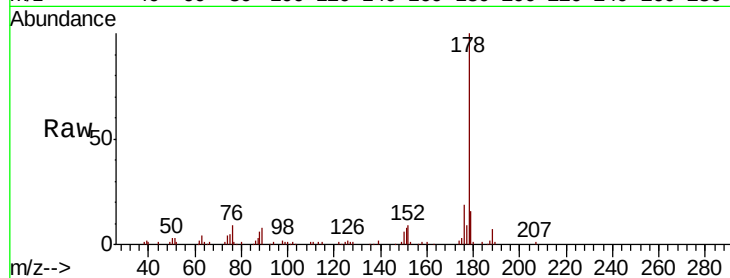
ClientSampled :

MDL-ME-SOIL-01

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 69240     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 15.6  | 11.8 17.6 |
| 176         | 19.4  | 14.7 22.1 |

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#73

1,2,3,4-Tetrachlorobenzene

Concen: 3.754 ng/uL

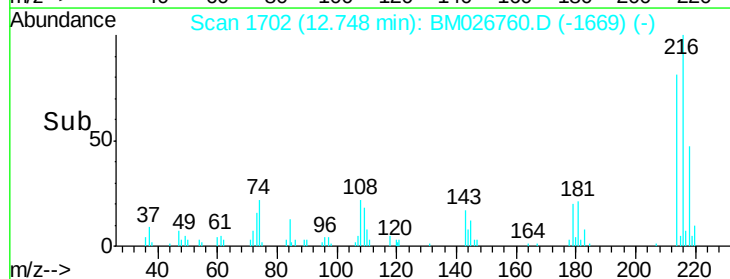
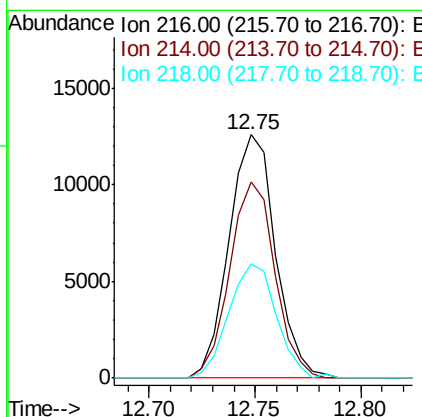
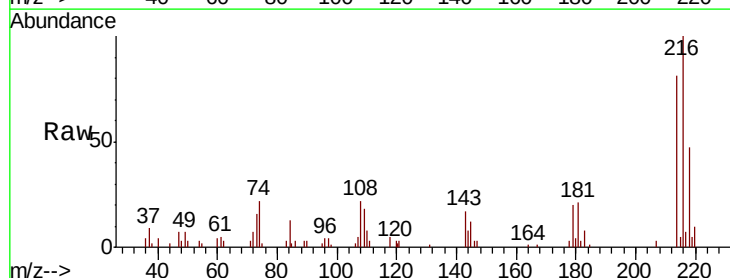
RT: 12.75 min Scan# 1702

Delta R.T. -0.00 min

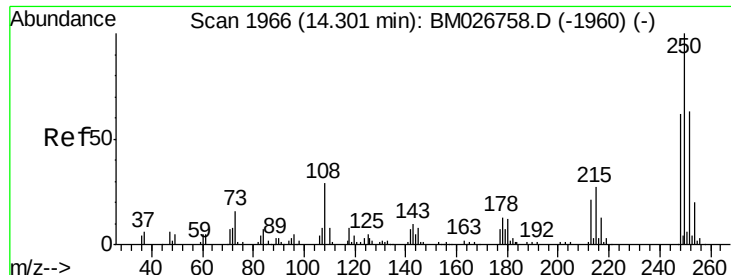
Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:216 | Resp: | 19185     |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 80.5  | 63.8 95.8 |
| 218         | 47.2  | 38.5 57.7 |







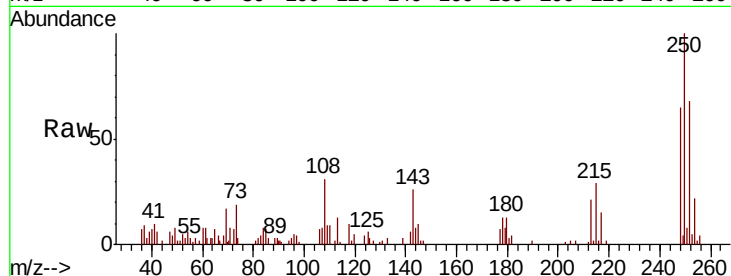
#74  
 Pentachlorobenzene  
 Concen: 3.898 ng/uL  
 RT: 14.30 min Scan# 1966  
 Delta R.T. -0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 250     | 100   |       |       |
| 248     | 64.9  | 51.3  | 76.9  |
| 252     | 68.0  | 50.9  | 76.3  |

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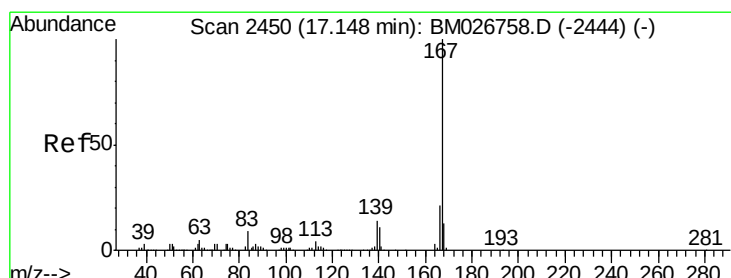
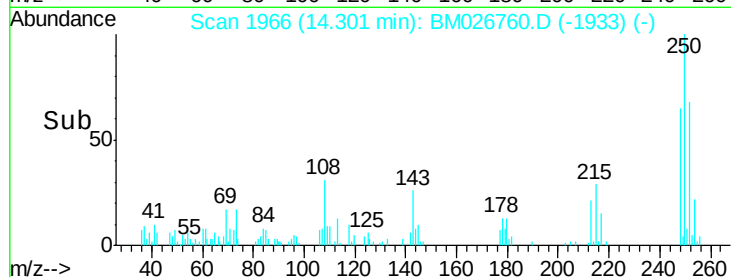
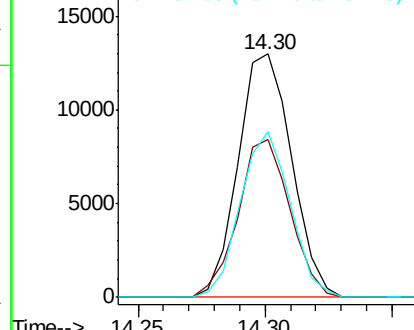


Abundance

Ion 250.00 (249.70 to 250.70): E

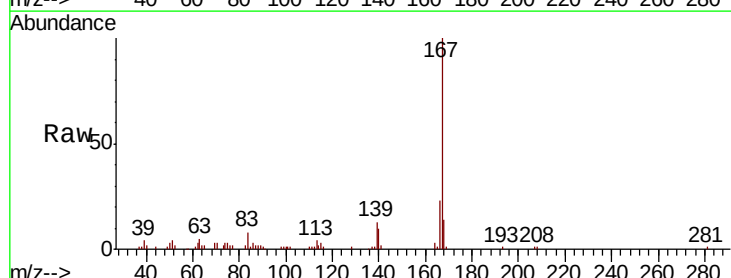
Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E



#75  
 Carbazole  
 Concen: 3.682 ng/uL  
 RT: 17.15 min Scan# 2451  
 Delta R.T. 0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.2  | 17.4  | 26.0  |
| 139     | 13.4  | 10.6  | 15.8  |

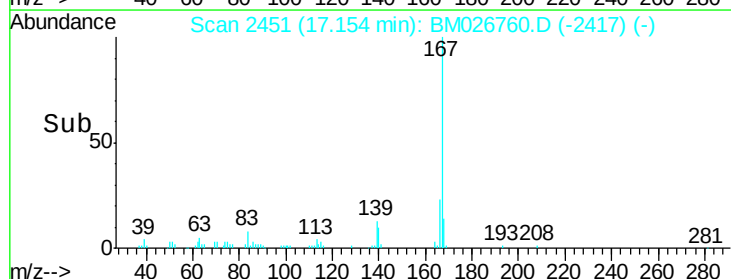
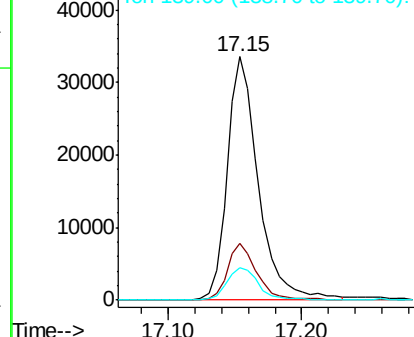


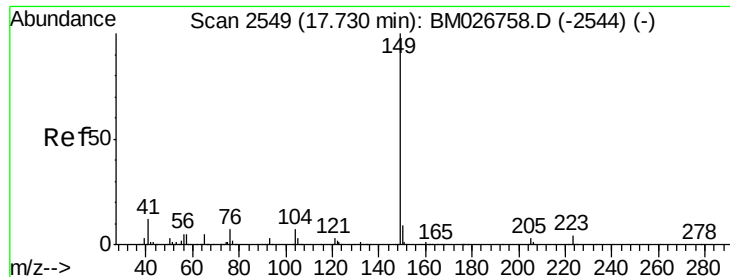
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Di-n-butylphthalate

Concen: 3.726 ng/ul

RT: 17.73 min Scan# 2549

Delta R.T. -0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

Instrument :

BNA\_M

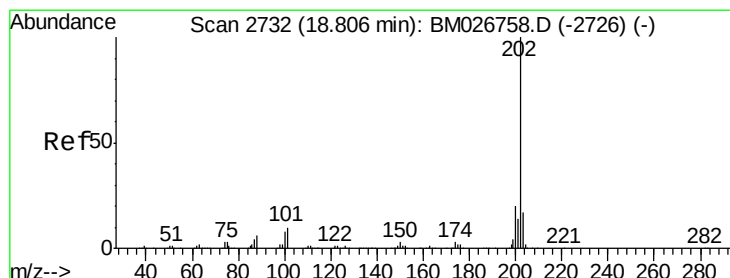
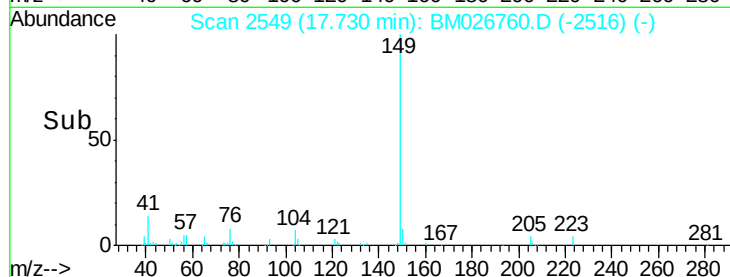
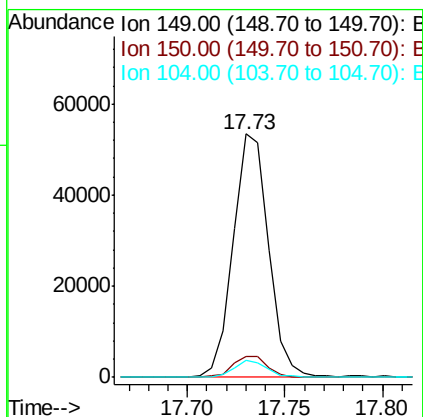
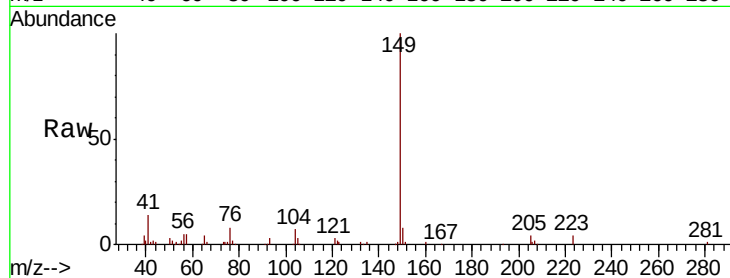
ClientSampleId :

MDL-ME-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 67223 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 150       | 8.4   | 7.1   | 10.7  |
| 104       | 7.1   | 5.2   | 7.8   |

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#77

Fluoranthene

Concen: 4.108 ng/ul

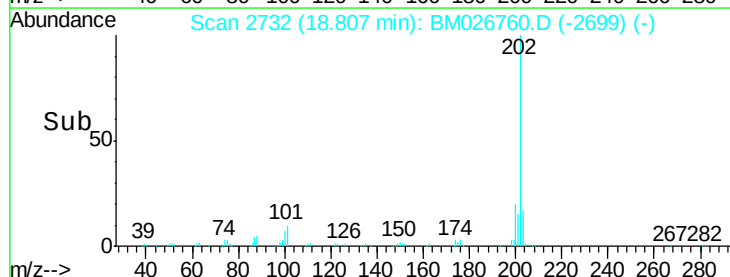
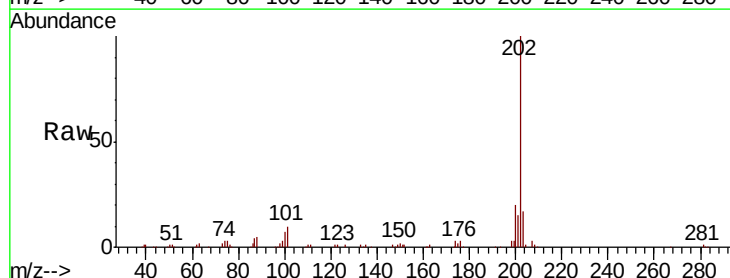
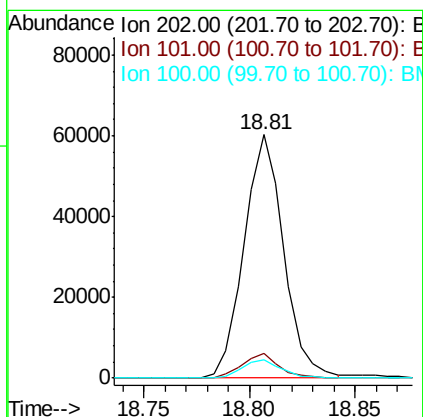
RT: 18.81 min Scan# 2732

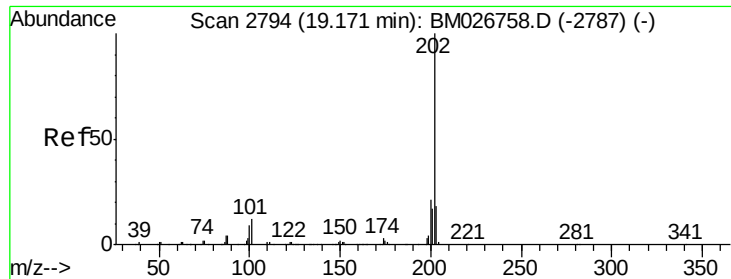
Delta R.T. -0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 78427 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 10.1  | 8.5   | 12.7  |
| 100       | 7.4   | 6.9   | 10.3  |





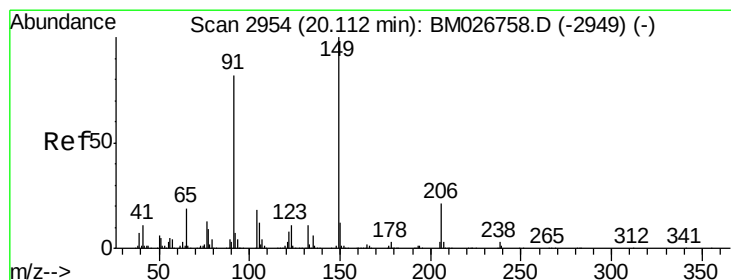
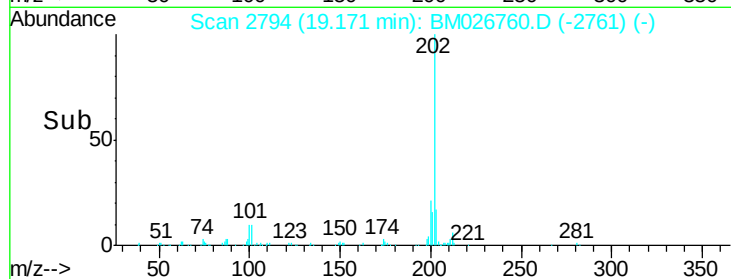
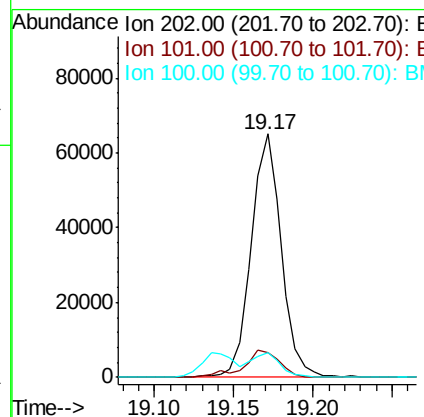
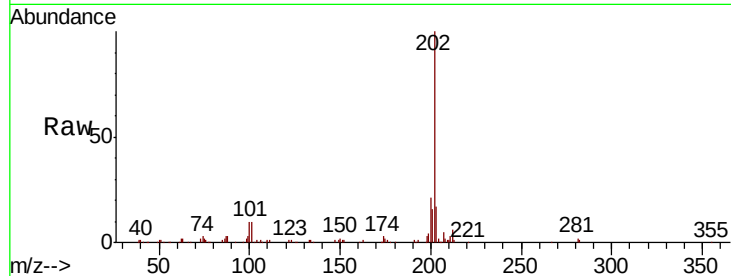
#80  
Pvrene  
Concen: 3.860 ng/ul  
RT: 19.17 min Scan# 2794  
Delta R.T. -0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 10.1  | 9.4        | 14.2  |
| 100     | 10.3  | 8.0        | 12.0  |

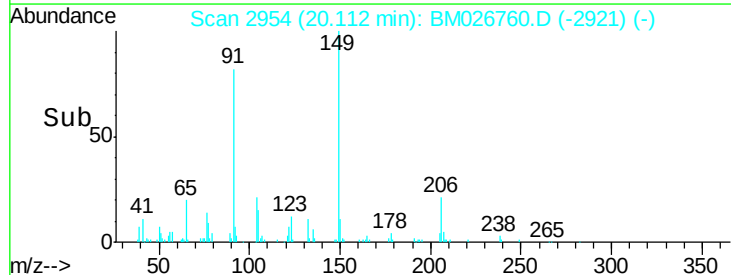
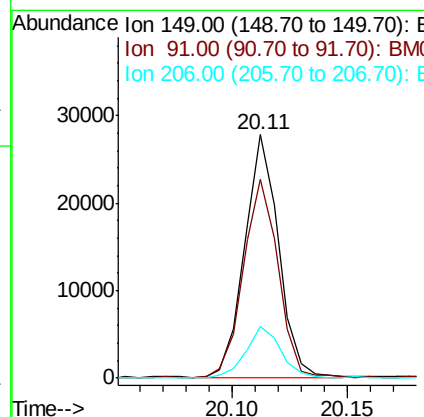
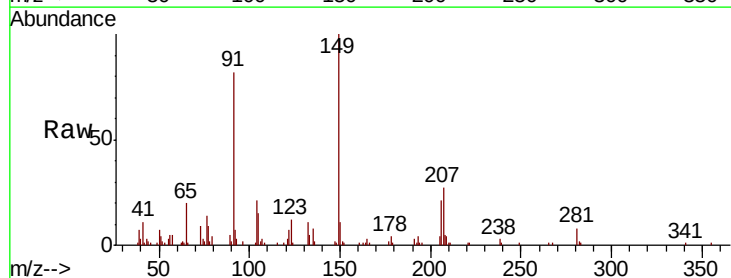
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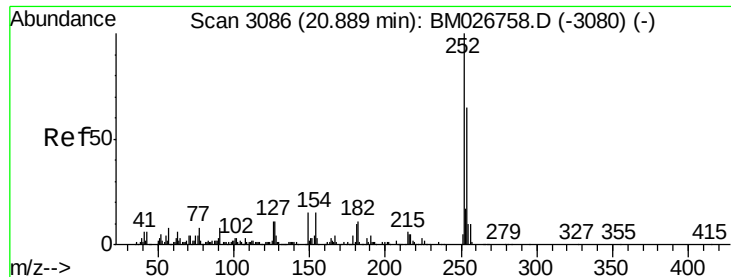
mohammad  
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#81  
Butylbenzylphthalate  
Concen: 3.646 ng/ul  
RT: 20.11 min Scan# 2954  
Delta R.T. -0.00 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 91      | 81.8  | 66.4       | 99.6  |
| 206     | 21.3  | 16.3       | 24.5  |





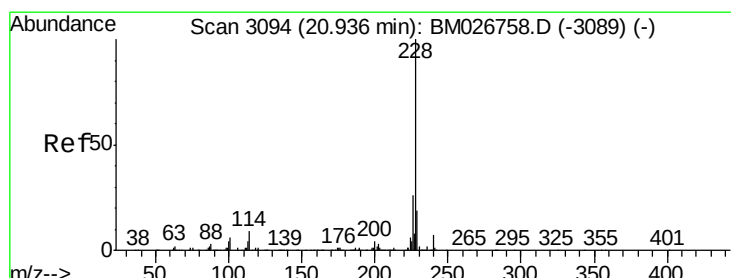
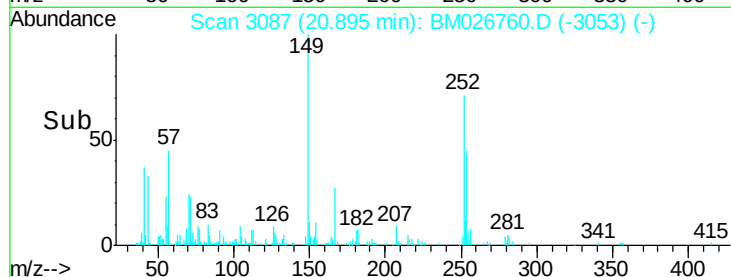
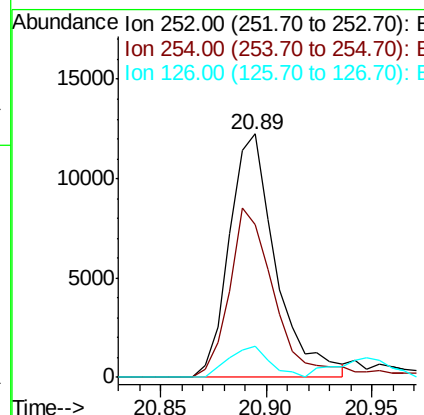
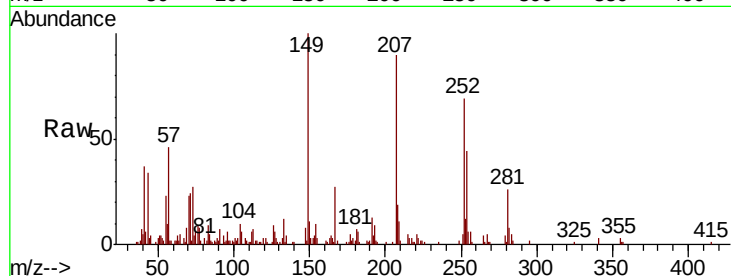
#82  
 3,3'-Dichlorobenzidine  
 Concen: 2.941 ng/ul  
 RT: 20.89 min Scan# 3087  
 Delta R.T. 0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 62.8  | 51.3  | 76.9  |
| 126     | 12.6  | 8.1   | 12.1# |

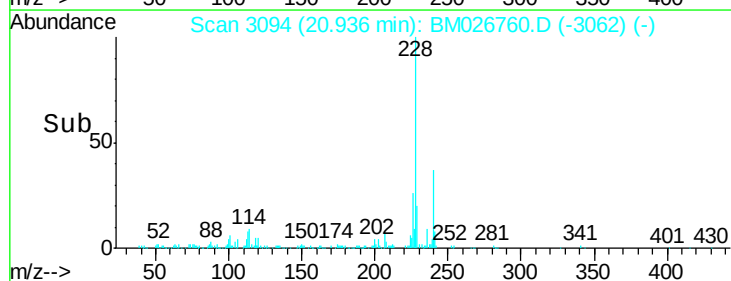
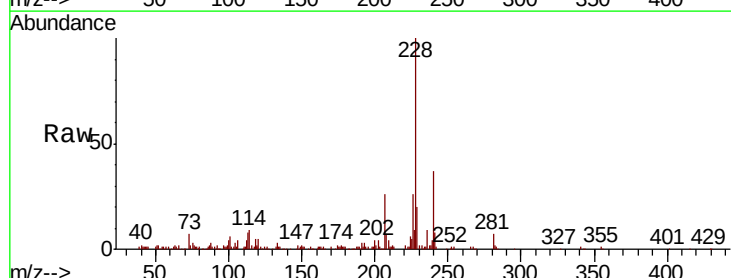
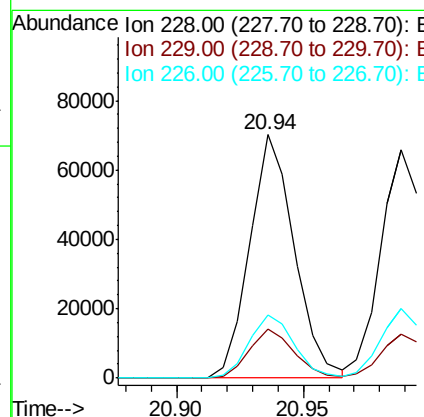
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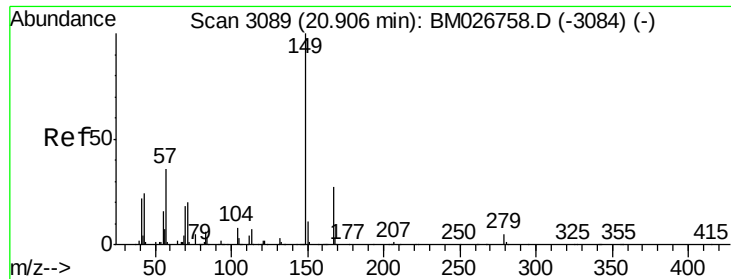
mohammad  
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#83  
 Benzo(a)anthracene  
 Concen: 3.975 ng/ul  
 RT: 20.94 min Scan# 3094  
 Delta R.T. -0.01 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.4  | 15.4  | 23.0  |
| 226     | 26.0  | 21.2  | 31.8  |





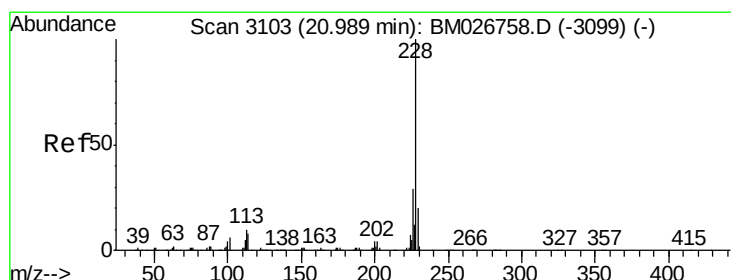
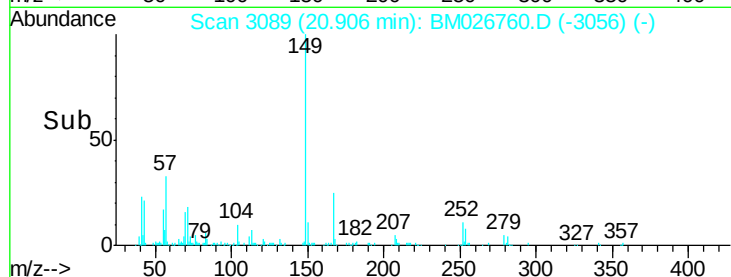
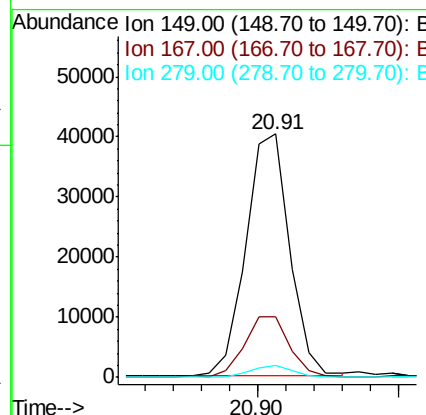
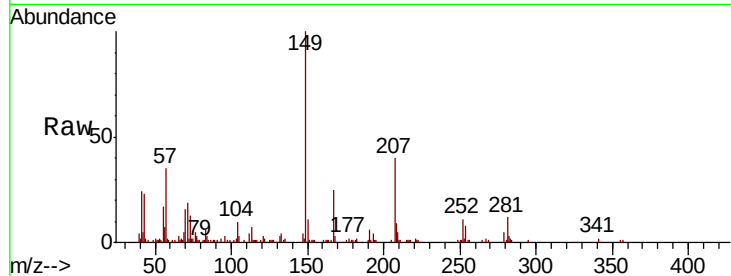
#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.658 ng/ul  
 RT: 20.91 min Scan# 3089  
 Delta R.T. -0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.1  | 22.1  | 33.1  |
| 279     | 4.9   | 3.6   | 5.4   |

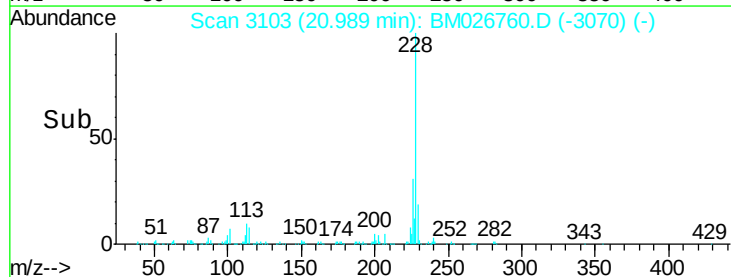
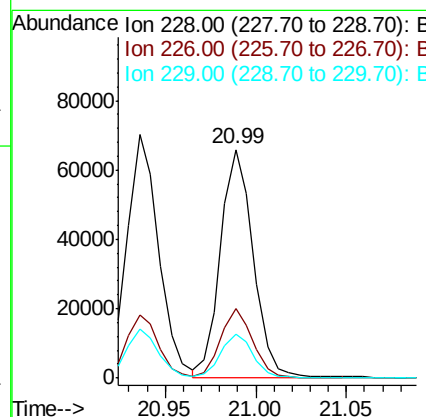
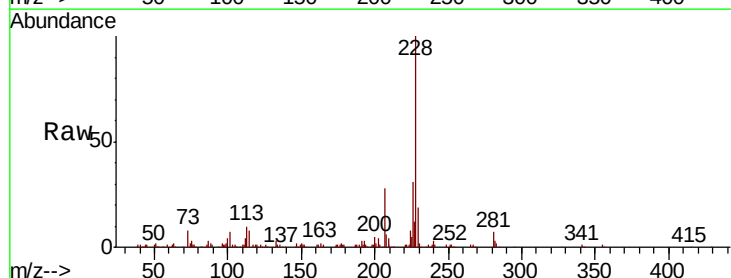
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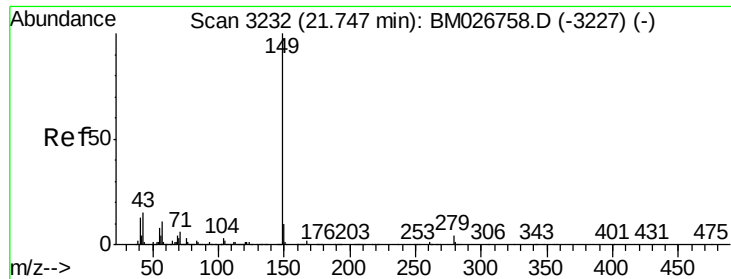
mohammad  
 7/20/2020 11:25:06 AM



#85  
 Chrysene  
 Concen: 3.893 ng/ul  
 RT: 20.99 min Scan# 3103  
 Delta R.T. -0.00 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.6  | 23.0  | 34.6  |
| 229     | 19.5  | 15.5  | 23.3  |





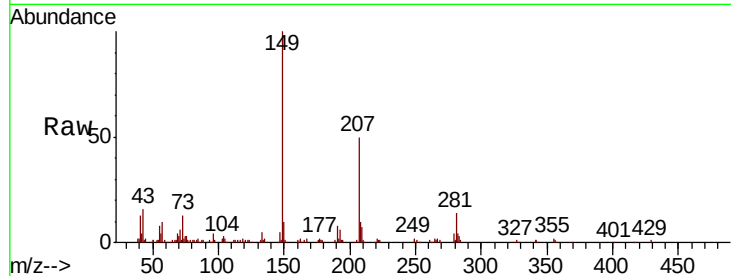
#87  
Di-n-octyl phthalate  
Concen: 3.265 ng/ul  
RT: 21.75 min Scan# 3232  
Delta R.T. -0.01 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-ME-SOIL-01

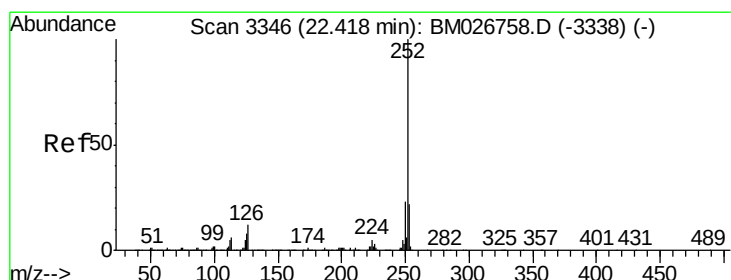
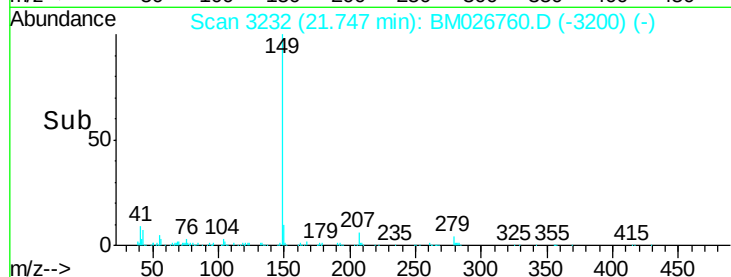
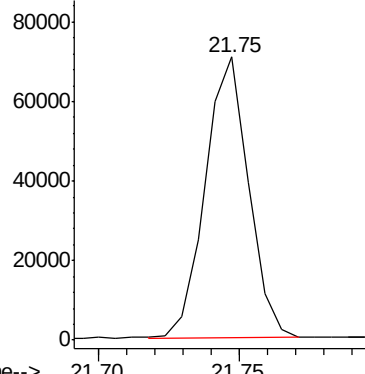
Tgt Ion:149 Resp: 74905

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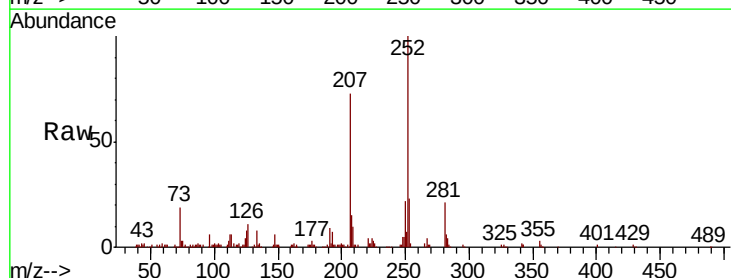


Abundance Ion 149.00 (148.70 to 149.70): E

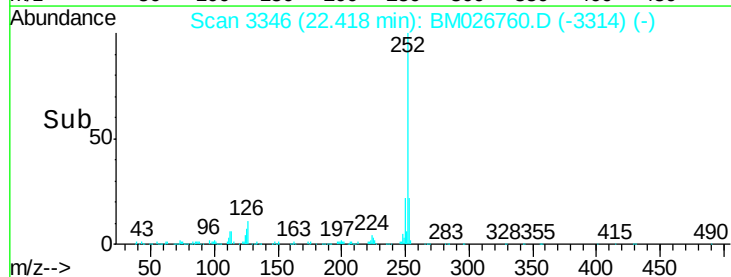
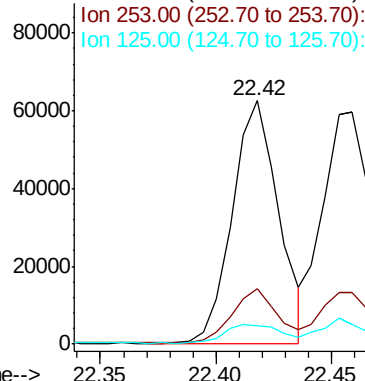


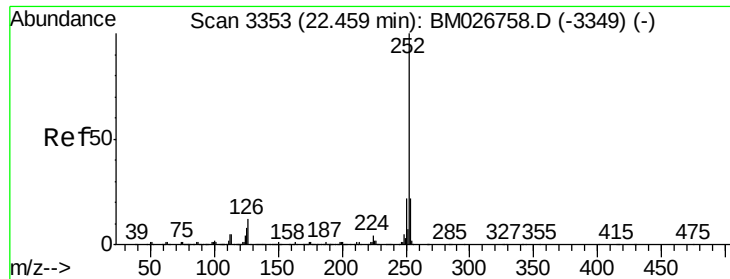
#88  
Benzo(b)fluoranthene  
Concen: 3.455 ng/ul  
RT: 22.42 min Scan# 3346  
Delta R.T. -0.01 min  
Lab File: BM026760.D  
Acq: 14 Jul 2020 20:13

Tgt Ion:252 Resp: 87397  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.2 25.8  
125 7.6 7.6 11.4



Abundance Ion 252.00 (251.70 to 252.70): E





#89

Benzo(k)fluoranthene

Concen: 3.588 ng/ul

RT: 22.46 min Scan# 3353

Delta R.T. -0.00 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

Instrument :

BNA\_M

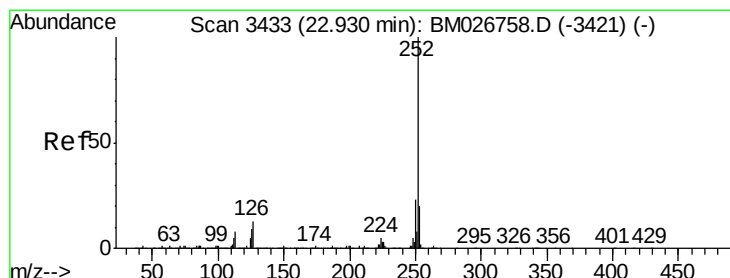
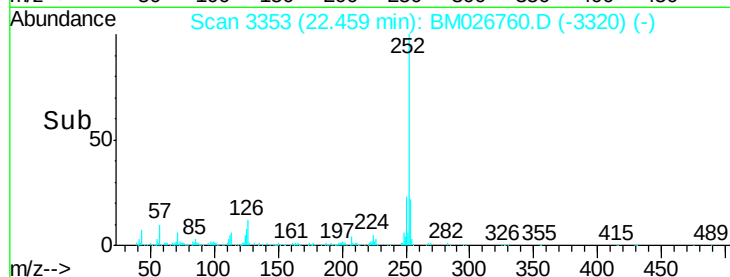
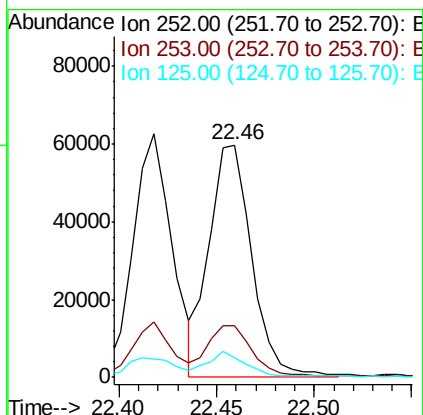
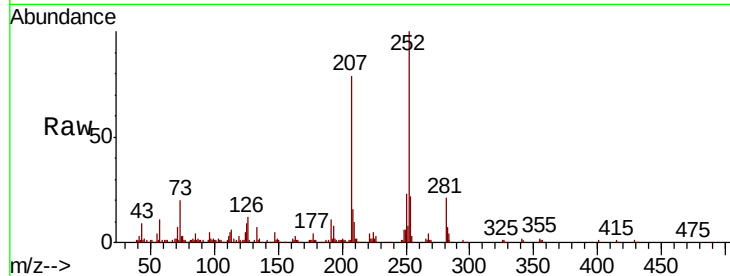
ClientSampleId :

MDL-ME-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 89946 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.2  | 17.1  | 25.7  |
| 125       | 8.6   | 7.7   | 11.5  |

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#91

Benzo(a)pyrene

Concen: 4.002 ng/ul

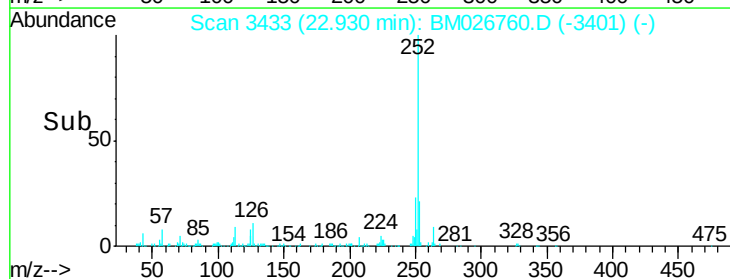
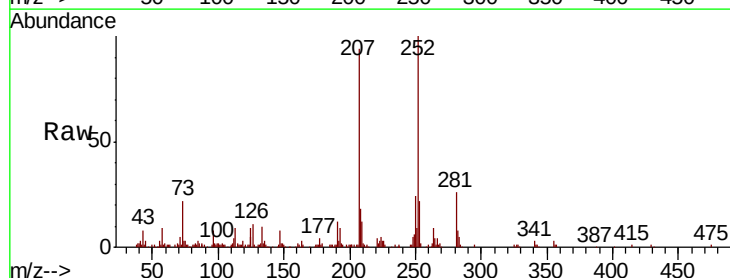
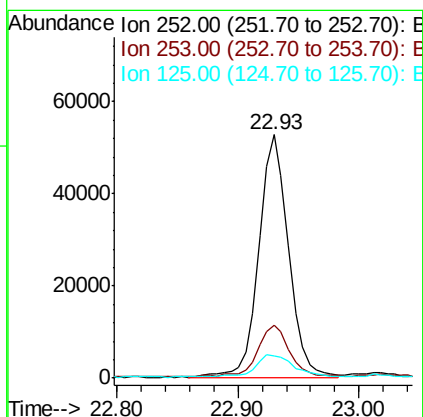
RT: 22.93 min Scan# 3433

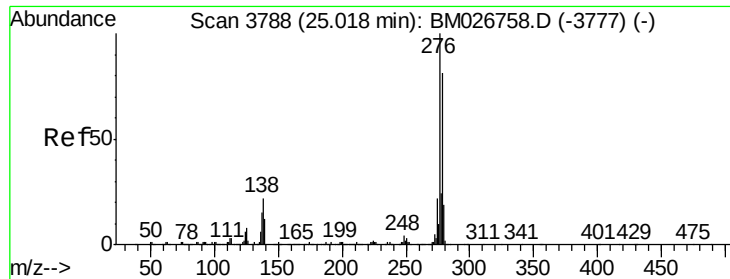
Delta R.T. -0.01 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 89802 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 21.6  | 17.4  | 26.0  |
| 125       | 8.9   | 7.5   | 11.3  |





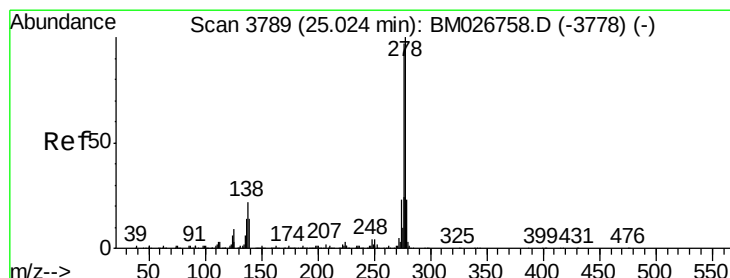
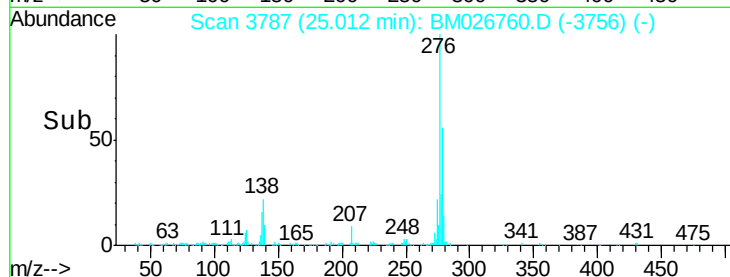
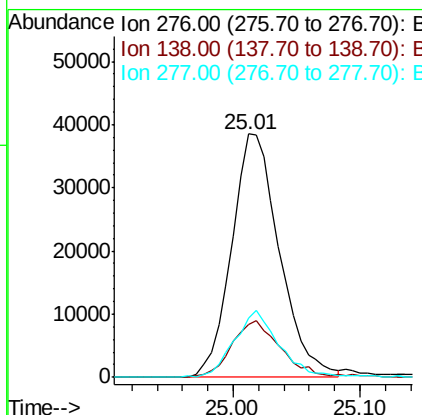
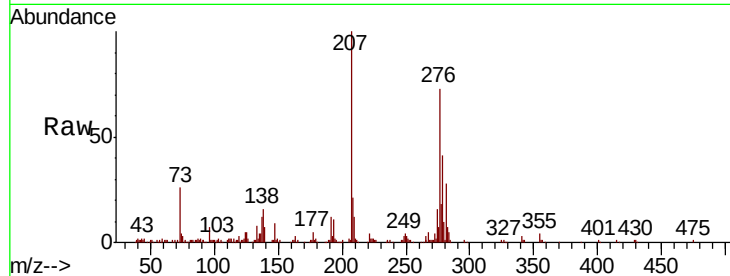
#92  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.442 ng/ul  
 RT: 25.01 min Scan# 3787  
 Delta R.T. -0.01 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-ME-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.6  | 18.2  | 27.4  |
| 277     | 24.5  | 19.5  | 29.3  |

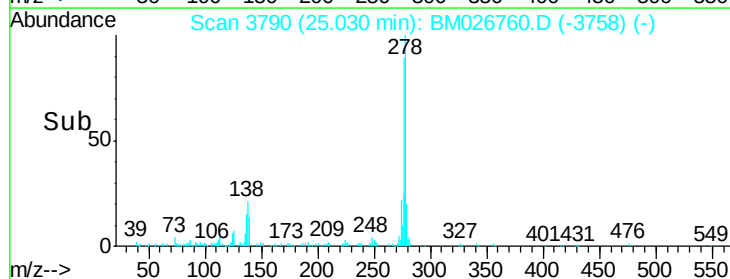
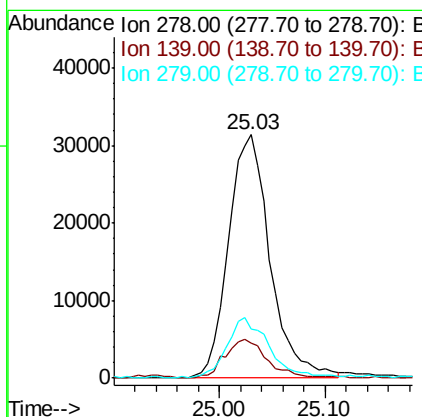
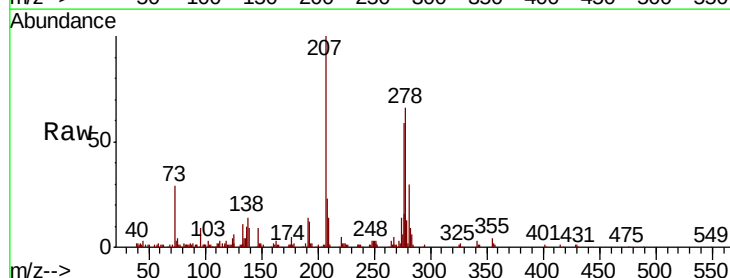
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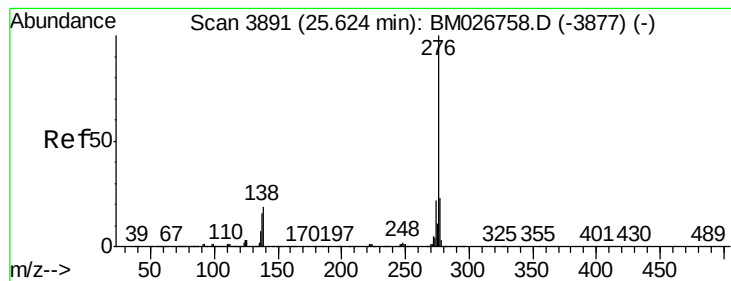


#93  
 Dibenzo(a,h)anthracene  
 Concen: 3.480 ng/ul  
 RT: 25.03 min Scan# 3790  
 Delta R.T. -0.01 min  
 Lab File: BM026760.D  
 Acq: 14 Jul 2020 20:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.3  | 11.4  | 17.2  |
| 279     | 20.3  | 18.6  | 28.0  |







#94

Benzo(a,h,i)perylene

Concen: 3.562 ng/ul

RT: 25.62 min Scan# 3891

Delta R.T. -0.01 min

Lab File: BM026760.D

Acq: 14 Jul 2020 20:13

Instrument :

BNA\_M

ClientSampleId :

MDL-ME-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 87005 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 18.1  | 15.6  | 23.4  |
| 277       | 23.2  | 18.6  | 27.8  |

Manual Integrations  
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