

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011121\  
 Data File : BN013382.D  
 Acq On : 11 Jan 2021 13:47  
 Operator : CG/JU  
 Sample : L4485-18  
 Misc : MDL-ME-S-04  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-ME-SOIL-04

Quant Time: Jan 11 14:17:45 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-BN010521.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 08 12:05:50 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 346671   | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.36 | 136  | 1415565  | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.22 | 164  | 837940   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 16.97 | 188  | 1669323  | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.16 | 240  | 1682452  | 20.00 | ng/ul | -0.01    |
| 88) Perylene-d12          | 23.34 | 264  | 1674440  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 41637   | 4.58  | ng/uL | 0.00  |
| 4) Pyridine-d5                 | 3.59  | 84  | 527865  | 23.25 | ng/ul | 0.00  |
| 7) Phenol-d5                   | 6.78  | 99  | 913344  | 31.37 | ng/ul | 0.00  |
| 9) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 555767  | 34.28 | ng/ul | 0.00  |
| 11) 2-Chlorophenol-d4          | 7.13  | 132 | 797555  | 31.45 | ng/ul | 0.00  |
| 15) 4-Methylphenol-d8          | 8.30  | 113 | 753791  | 32.05 | ng/ul | 0.00  |
| 21) Nitrobenzene-d5            | 8.74  | 128 | 364894  | 32.36 | ng/ul | 0.00  |
| 24) 2-Nitrophenol-d4           | 9.45  | 143 | 375403  | 32.30 | ng/ul | 0.00  |
| 28) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 707156  | 30.80 | ng/ul | 0.00  |
| 31) 4-Chloroaniline-d4         | 10.49 | 131 | 1055212 | 33.59 | ng/ul | 0.00  |
| 46) Dimethylphthalate-d6       | 13.65 | 166 | 2126113 | 32.81 | ng/ul | 0.00  |
| 49) Acenaphthylene-d8          | 13.92 | 160 | 2789197 | 34.89 | ng/ul | 0.00  |
| 54) 4-Nitrophenol-d4           | 14.42 | 143 | 346872  | 29.30 | ng/ul | 0.00  |
| 60) Fluorene-d10               | 15.22 | 176 | 1836332 | 32.75 | ng/ul | 0.00  |
| 65) 4,6-Dinitro-2-methylphenol | 15.33 | 200 | 245932  | 29.93 | ng/ul | 0.00  |
| 73) Anthracene-d10             | 17.07 | 188 | 2767653 | 34.13 | ng/ul | 0.00  |
| 81) Pyrene-d10                 | 19.37 | 212 | 2928574 | 32.32 | ng/ul | 0.00  |
| 92) Benzo(a)pyrene-d12         | 23.20 | 264 | 2916994 | 33.36 | ng/ul | -0.02 |

## Target Compounds

|                                |       |     |        |       | Ovalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.23  | 88  | 6552   | 0.725 | ng/uL 99  |
| 5) Pyridine                    | 3.60  | 79  | 73307  | 3.208 | ng/ul# 56 |
| 6) Benzaldehyde                | 6.75  | 77  | 55679  | 5.094 | ng/ul 96  |
| 8) Phenol                      | 6.80  | 94  | 86209  | 2.927 | ng/ul 98  |
| 10) Bis(2-Chloroethyl)ether    | 7.03  | 93  | 75372  | 3.230 | ng/ul 99  |
| 12) 2-Chlorophenol             | 7.17  | 128 | 73588  | 2.848 | ng/ul 96  |
| 13) 2-Methylphenol             | 8.03  | 108 | 56516  | 2.491 | ng/ul 99  |
| 14) 2,2'-oxybis(1-Chloropropan | 8.13  | 45  | 102813 | 3.144 | ng/ul 100 |
| 16) Acetophenone               | 8.41  | 105 | 101333 | 2.936 | ng/ul 99  |
| 17) N-Nitroso-di-n-propylamine | 8.40  | 70  | 41576  | 2.428 | ng/ul 99  |
| 18) 4-Methylphenol             | 8.36  | 108 | 68714  | 2.821 | ng/ul 96  |
| 19) Hexachloroethane           | 8.66  | 117 | 28825  | 2.843 | ng/ul 88  |
| 22) Nitrobenzene               | 8.78  | 77  | 79043  | 3.128 | ng/ul 93  |
| 23) Isophorone                 | 9.30  | 82  | 107682 | 2.253 | ng/ul 99  |
| 25) 2-Nitrophenol              | 9.48  | 139 | 38125  | 2.946 | ng/ul 93  |
| 26) 2,4-Dimethylphenol         | 9.55  | 107 | 72578  | 2.778 | ng/ul 95  |
| 27) Bis(2-Chloroethoxy)methane | 9.79  | 93  | 89656  | 2.900 | ng/ul 97  |
| 29) 2,4-Dichlorophenol         | 10.01 | 162 | 67981  | 3.007 | ng/ul 92  |
| 30) Naphthalene                | 10.41 | 128 | 250713 | 3.157 | ng/ul 98  |
| 32) 4-Chloroaniline            | 10.52 | 127 | 97197  | 3.250 | ng/ul 99  |
| 33) Hexachlorobutadiene        | 10.70 | 225 | 44102  | 3.121 | ng/ul 93  |
| 34) Caprolactam                | 11.30 | 113 | 11374  | 1.632 | ng/ul# 84 |

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Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-ME-SOIL-04

Quant Time: Jan 11 14:17:45 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-BN010521.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 08 12:05:50 2021  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 4-Chloro-3-methylphenol    | 11.65 | 107  | 54305    | 2.243 | ng/ul  | 91       |
| 36) 2-Methylnaphthalene        | 12.03 | 142  | 169046   | 3.095 | ng/ul  | 98       |
| 37) 1-Methylnaphthalene        | 12.25 | 142  | 159081   | 3.022 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.40 | 216  | 81006    | 3.212 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene  | 12.39 | 237  | 41455    | 3.155 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol      | 12.65 | 196  | 36432    | 2.191 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol      | 12.71 | 196  | 40760    | 2.303 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl              | 13.06 | 154  | 219591   | 3.253 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene        | 13.09 | 162  | 167365   | 3.149 | ng/ul  | 98       |
| 45) 2-Nitroaniline             | 13.29 | 65   | 25804    | 1.905 | ng/ul  | 95       |
| 47) Dimethylphthalate          | 13.69 | 163  | 197567   | 2.971 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene         | 13.80 | 165  | 26536    | 2.104 | ng/ul  | 94       |
| 50) Acenaphthylene             | 13.94 | 152  | 256008   | 3.168 | ng/ul  | 98       |
| 51) 3-Nitroaniline             | 14.12 | 138  | 27643    | 2.376 | ng/ul  | 99       |
| 52) Acenaphthene               | 14.29 | 153  | 183783   | 3.223 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol          | 14.33 | 184  | 8737     | 1.546 | ng/ul  | 96       |
| 55) 4-Nitrophenol              | 14.43 | 109  | 25501    | 2.861 | ng/ul# | 84       |
| 56) Dibenzofuran               | 14.62 | 168  | 248641   | 3.185 | ng/ul  | 93       |
| 57) 2,4-Dinitrotoluene         | 14.59 | 165  | 40975    | 2.280 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.85 | 232  | 31751    | 2.125 | ng/ul# | 93       |
| 59) Diethylphthalate           | 15.06 | 149  | 170174   | 2.517 | ng/ul  | 99       |
| 61) Fluorene                   | 15.27 | 166  | 203102   | 3.211 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenylether | 15.28 | 204  | 99425    | 3.261 | ng/ul  | 98       |
| 63) 4-Nitroaniline             | 15.29 | 138  | 29329    | 2.684 | ng/ul  | 96       |
| 66) 4,6-Dinitro-2-methylphenol | 15.35 | 198  | 27018    | 2.955 | ng/ul# | 83       |
| 67) N-Nitrosodiphenylamine     | 15.49 | 169  | 152222   | 2.894 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether  | 16.17 | 248  | 53544    | 2.914 | ng/ul  | 96       |
| 69) Hexachlorobenzene          | 16.27 | 284  | 64857    | 3.114 | ng/ul  | 96       |
| 70) Atrazine                   | 16.45 | 200  | 40988    | 2.281 | ng/ul  | 95       |
| 71) Pentachlorophenol          | 16.62 | 266  | 20019    | 1.723 | ng/ul  | 97       |
| 72) Phenanthrene               | 17.01 | 178  | 320282   | 3.307 | ng/ul  | 97       |
| 74) Anthracene                 | 17.10 | 178  | 324692   | 3.285 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.01 | 216  | 82140    | 3.395 | ng/uL  | 96       |
| 76) Pentachlorobenzene         | 14.55 | 250  | 79522    | 3.294 | ng/uL  | 97       |
| 77) Carbazole                  | 17.37 | 167  | 241499   | 3.010 | ng/ul  | 98       |
| 78) Di-n-butylphthalate        | 17.96 | 149  | 225343   | 2.061 | ng/ul  | 100      |
| 80) Fluoranthene               | 19.03 | 202  | 328012   | 2.829 | ng/ul  | 98       |
| 82) Pyrene                     | 19.39 | 202  | 387611   | 3.261 | ng/ul  | 98       |
| 83) Butylbenzylphthalate       | 20.32 | 149  | 78578    | 1.538 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine     | 21.09 | 252  | 64954    | 2.041 | ng/ul  | 96       |
| 85) Benzo(a)anthracene         | 21.15 | 228  | 338384   | 3.047 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phthalate | 21.11 | 149  | 122257   | 1.616 | ng/ul  | 99       |
| 87) Chrysene                   | 21.20 | 228  | 346070   | 3.182 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate       | 21.97 | 149  | 196589   | 1.887 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene       | 22.69 | 252  | 341376   | 3.197 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene       | 22.73 | 252  | 334381   | 3.288 | ng/ul  | 99       |
| 93) Benzo(a)pyrene             | 23.24 | 252  | 321667   | 3.323 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 389942   | 3.216 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene     | 25.51 | 278  | 321776   | 3.167 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene       | 26.16 | 276  | 316344   | 3.079 | ng/ul  | 98       |

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Sample : L4485-18  
Misc : MDL-ME-S-04  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-ME-SOIL-04

Quant Time: Jan 11 14:17:45 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-BN010521.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jan 08 12:05:50 2021  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

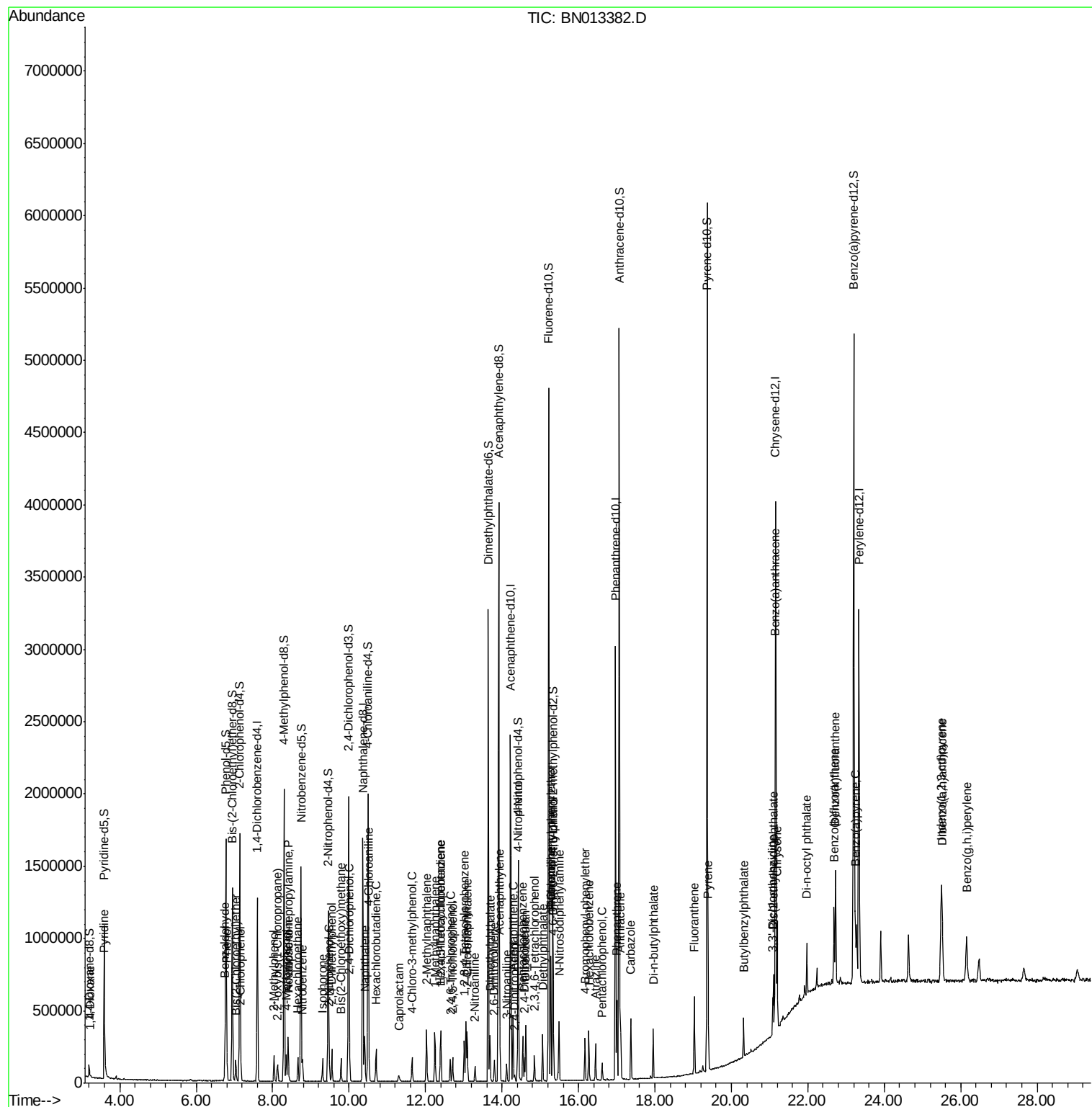
|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

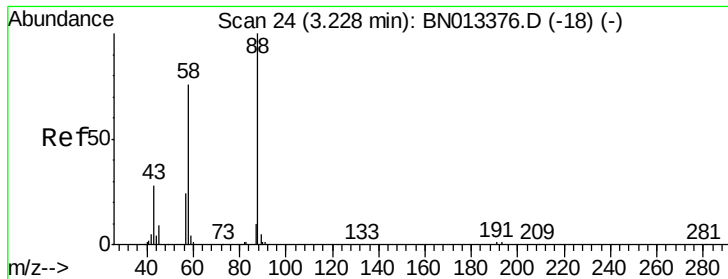
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 08 12:05:50 2021  
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 0.725 ng/uL

RT: 3.23 min Scan# 25

Delta R.T. -0.00 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

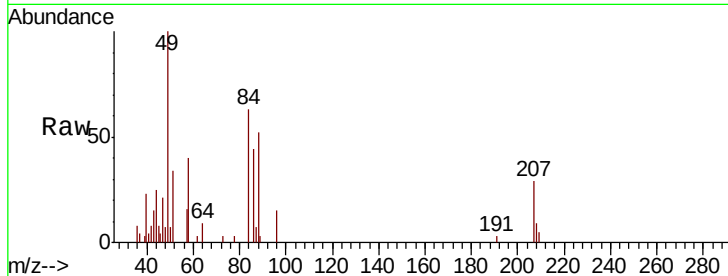
Tot Ion: 88 Resp: 6552

Ion Ratio Lower Upper

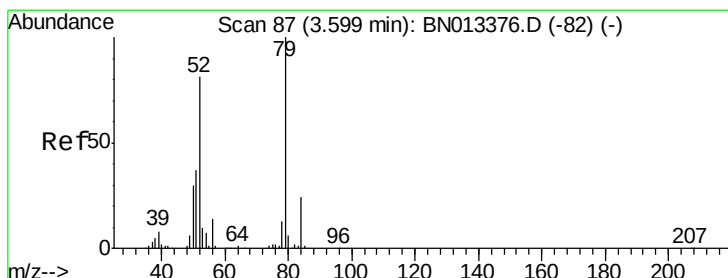
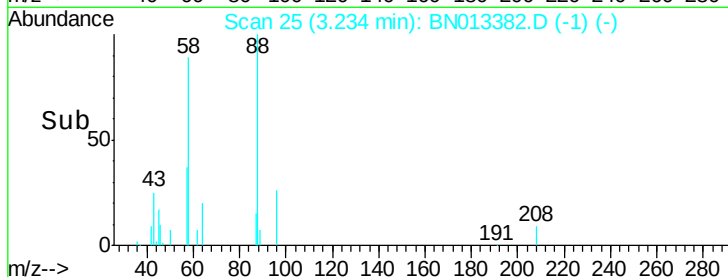
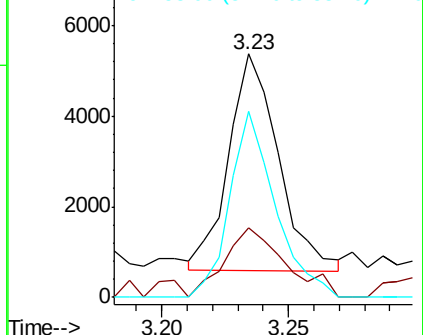
88 100

43 28.4 23.6 35.4

58 76.3 60.6 90.8



Abundance Ion 88.00 (87.70 to 88.70): BN0  
Ion 43.00 (42.70 to 43.70): BN0  
Ion 58.00 (57.70 to 58.70): BN0



#5

Pyridine

Concen: 3.208 ng/uL

RT: 3.60 min Scan# 88

Delta R.T. -0.00 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

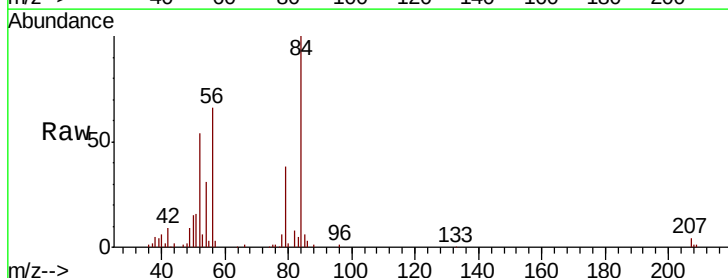
Tgt Ion: 79 Resp: 73307

Ion Ratio Lower Upper

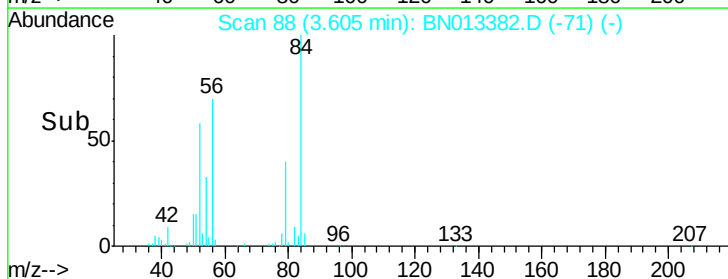
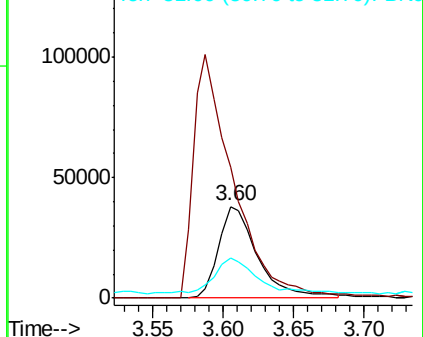
79 100

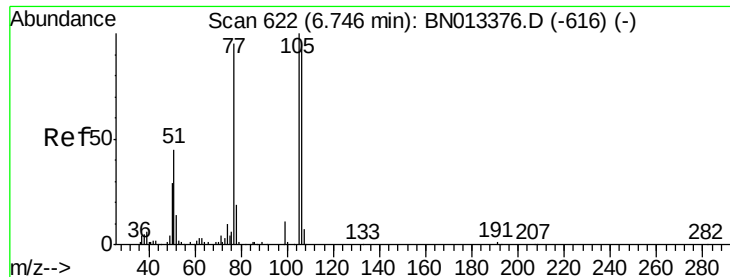
52 142.7 69.4 104.2#

51 43.3 31.6 47.4



Abundance Ion 79.00 (78.70 to 79.70): BN0  
Ion 52.00 (51.70 to 52.70): BN0  
Ion 51.00 (50.70 to 51.70): BN0





#6

Benzaldehyde

Concen: 5.094 ng/ul

RT: 6.75 min Scan# 623

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

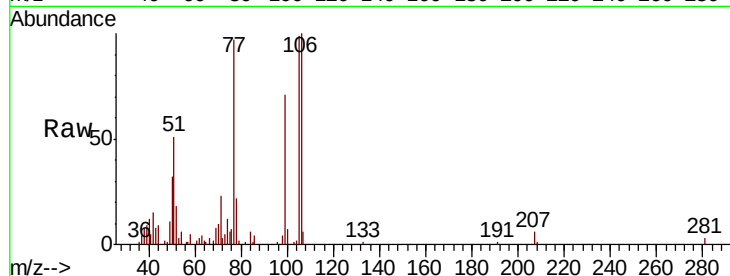
Tot Ion: 77 Resp: 55679

Ion Ratio Lower Upper

77 100

105 102.8 85.5 128.3

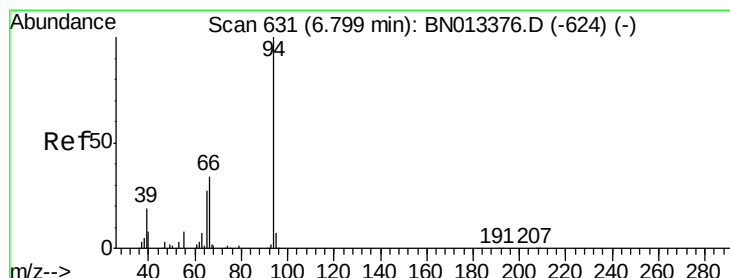
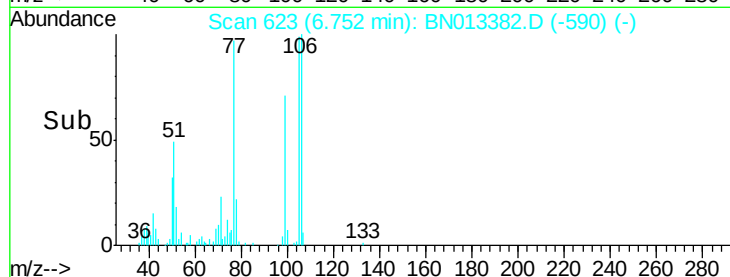
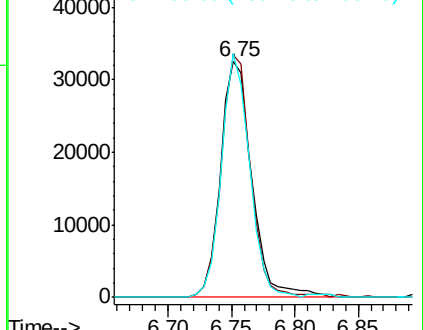
106 103.4 79.6 119.4



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 106.00 (105.70 to 106.70): BNC



#8

Phenol

Concen: 2.927 ng/ul

RT: 6.80 min Scan# 631

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

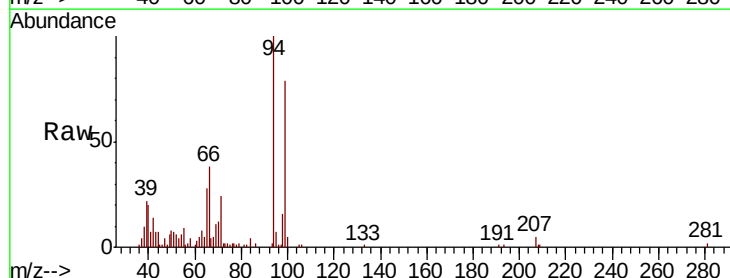
Tgt Ion: 94 Resp: 86209

Ion Ratio Lower Upper

94 100

65 28.2 21.8 32.8

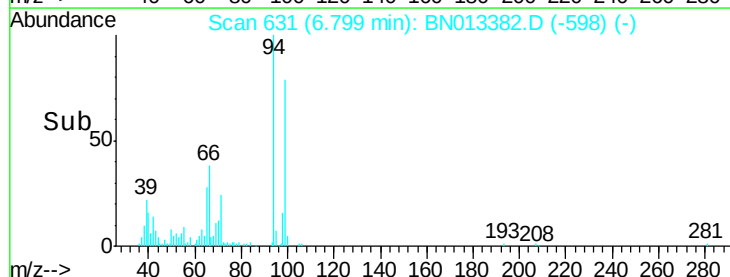
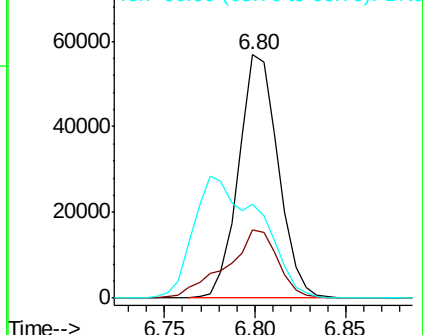
66 38.4 29.8 44.6

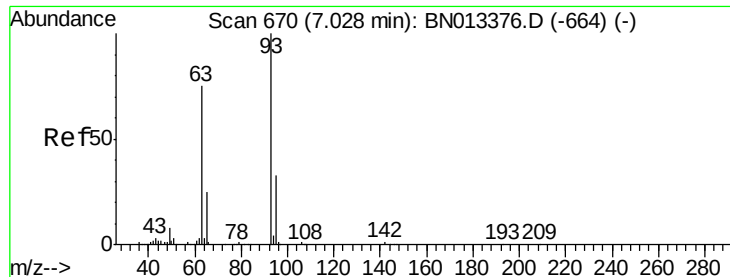


Abundance Ion 94.00 (93.70 to 94.70): BNC

Ion 65.00 (64.70 to 65.70): BNC

Ion 66.00 (65.70 to 66.70): BNC





#10

Bis(2-Chloroethyl)ether

Concen: 3.230 ng/ul

RT: 7.03 min Scan# 671

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

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MDL-ME-SOIL-04

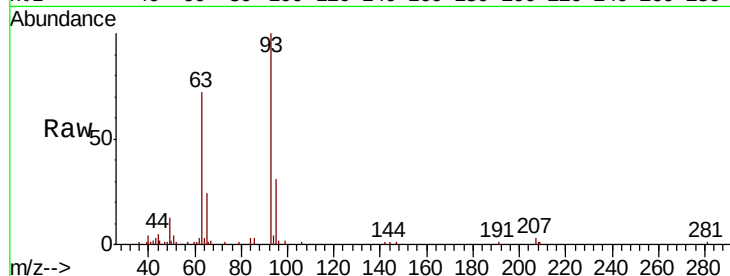
Tot Ion: 93 Resp: 75372

Ion Ratio Lower Upper

93 100

63 72.4 58.8 88.2

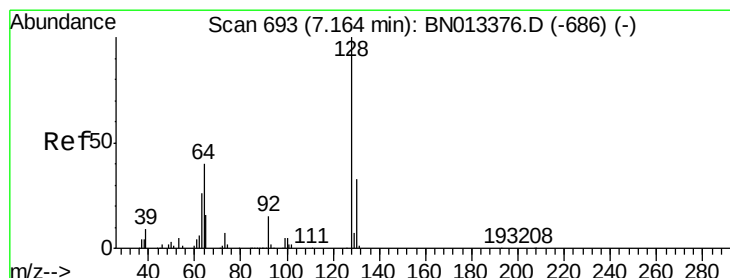
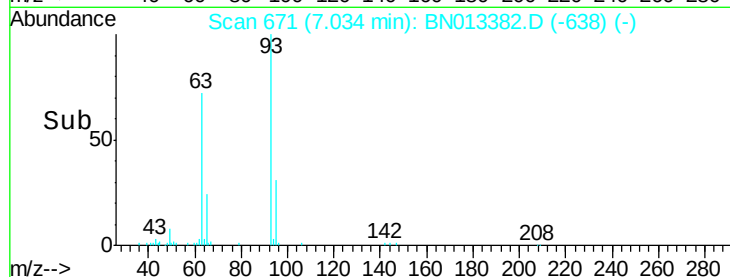
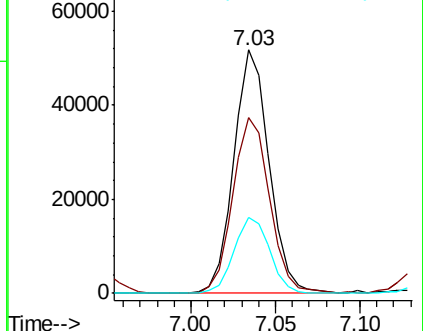
95 31.4 25.8 38.8



Abundance Ion 93.00 (92.70 to 93.70): BN013382.D (-638) (-)

Ion 63.00 (62.70 to 63.70): BN013382.D (-638) (-)

Ion 95.00 (94.70 to 95.70): BN013382.D (-638) (-)



#12

2-Chlorophenol

Concen: 2.848 ng/ul

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

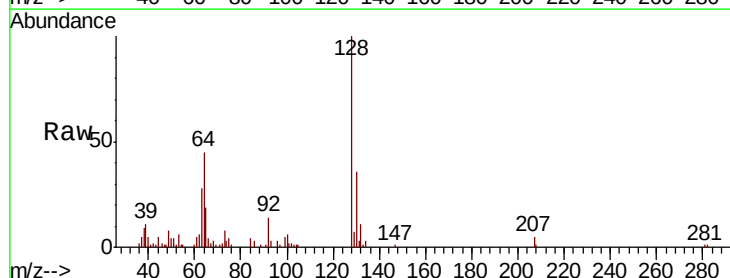
Tgt Ion: 128 Resp: 73588

Ion Ratio Lower Upper

128 100

64 44.7 34.6 51.8

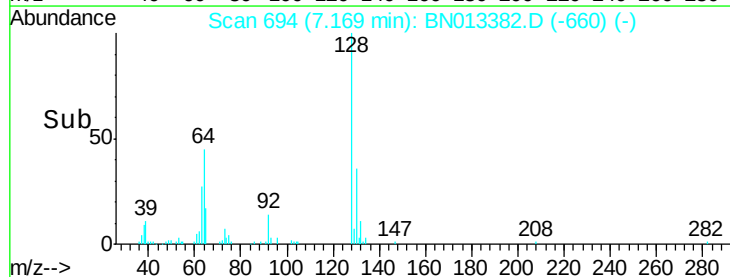
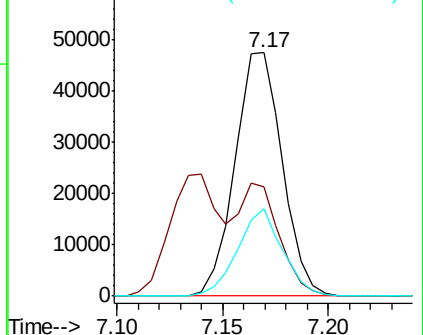
130 36.1 25.8 38.6

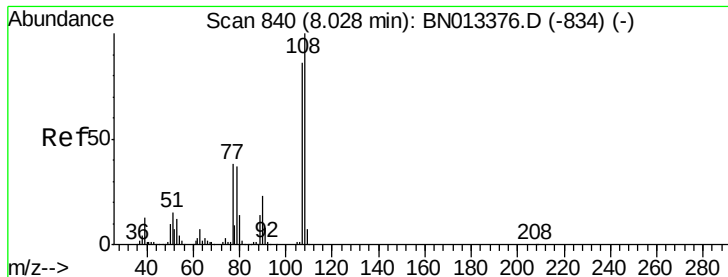


Abundance Ion 128.00 (127.70 to 128.70): BN013382.D (-660) (-)

Ion 64.00 (63.70 to 64.70): BN013382.D (-660) (-)

Ion 130.00 (129.70 to 130.70): BN013382.D (-660) (-)





#13

2-Methylphenol

Concen: 2.491 ng/ul

RT: 8.03 min Scan# 841

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

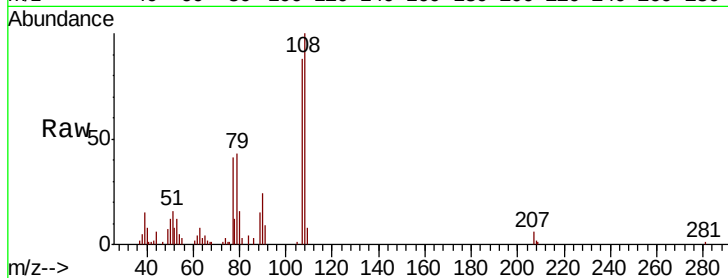
MDL-ME-SOIL-04

Tot Ion:108 Resp: 56516

Ion Ratio Lower Upper

108 100

107 88.1 69.7 104.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.03

40000

30000

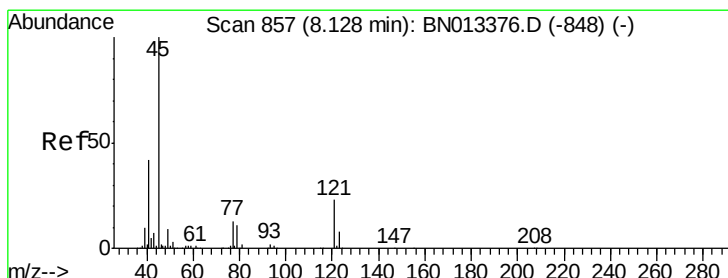
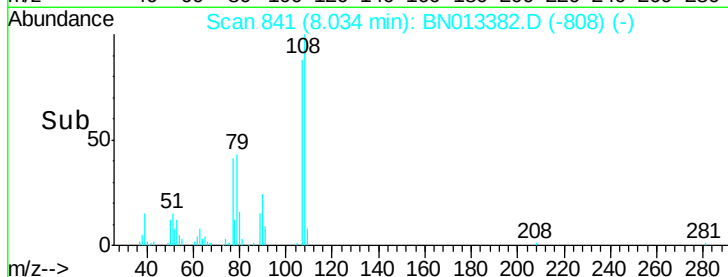
20000

10000

0

8.00 8.05 8.10

Time-->



#14

2,2'-oxybis(1-Chloropropane)

Concen: 3.144 ng/ul

RT: 8.13 min Scan# 857

Delta R.T. -0.00 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

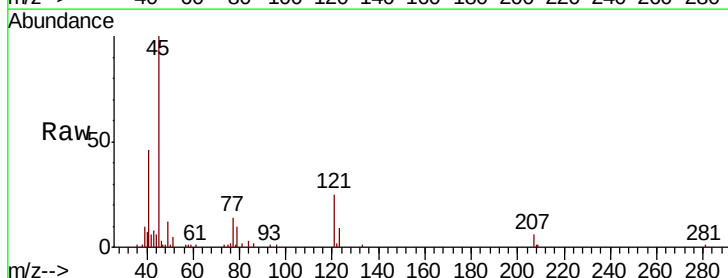
Tgt Ion: 45 Resp: 102813

Ion Ratio Lower Upper

45 100

77 13.9 11.0 16.6

79 10.2 8.5 12.7



Abundance Ion 45.00 (44.70 to 45.70): BNC

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC

8.13

60000

50000

40000

30000

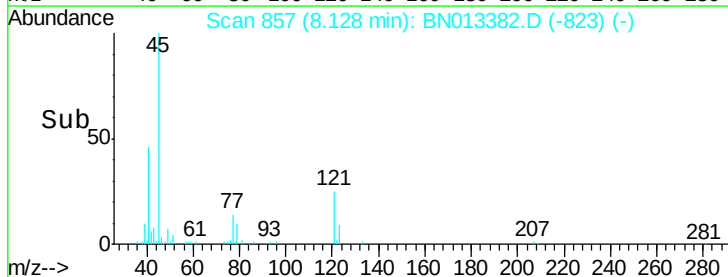
20000

10000

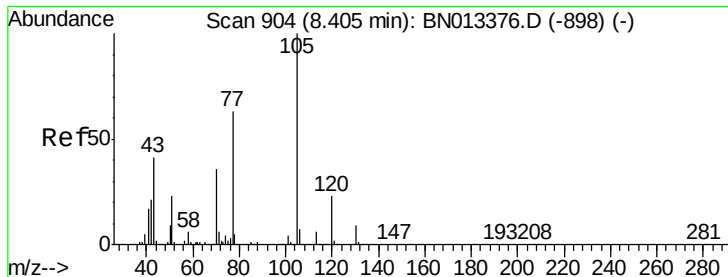
0

8.05 8.10 8.15 8.20

Time-->







#16

Acetophenone

Concen: 2.936 ng/ul

RT: 8.41 min Scan# 905

Delta R.T. -0.00 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

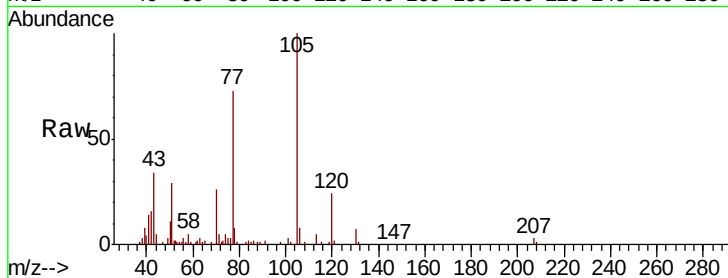
Tot Ion:105 Resp: 101333

Ion Ratio Lower Upper

105 100

77 73.0 58.7 88.1

51 28.6 21.4 32.2



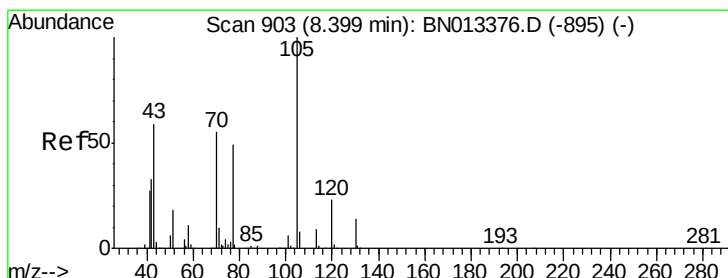
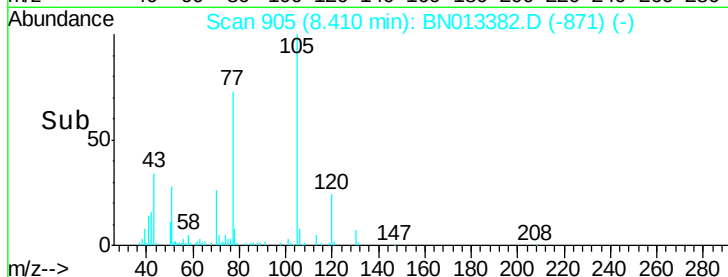
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 51.00 (50.70 to 51.70): BNC

8.41

Time-->



#17

N-Nitroso-di-n-propylamine

Concen: 2.428 ng/ul

RT: 8.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Tgt Ion: 70 Resp: 41576

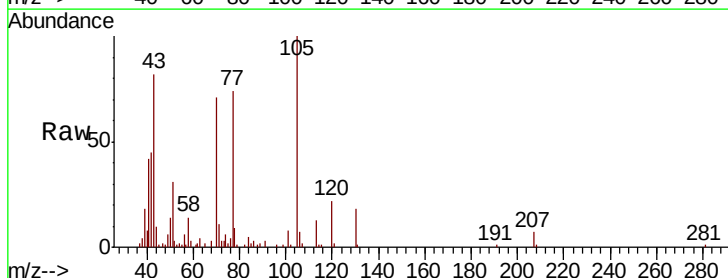
Ion Ratio Lower Upper

70 100

42 64.0 50.3 75.5

101 10.7 8.5 12.7

130 25.7 19.9 29.9



Abundance Ion 70.00 (69.70 to 70.70): BNC

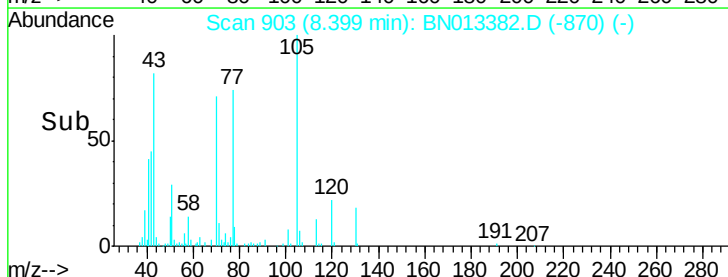
Ion 42.00 (41.70 to 42.70): BNC

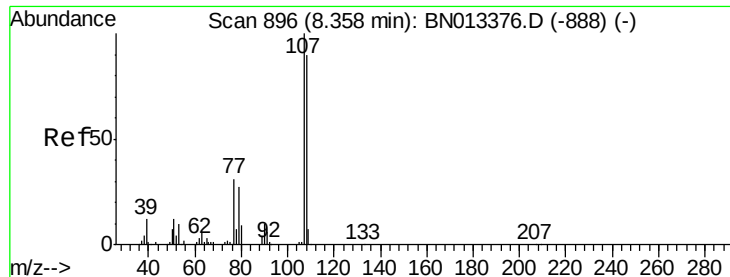
Ion 101.00 (100.70 to 101.70): BNC

Ion 130.00 (129.70 to 130.70): BNC

8.40

Time-->

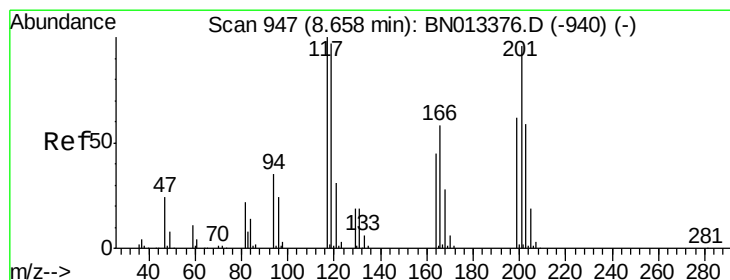
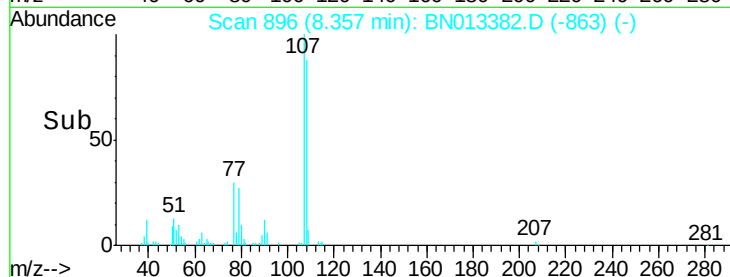
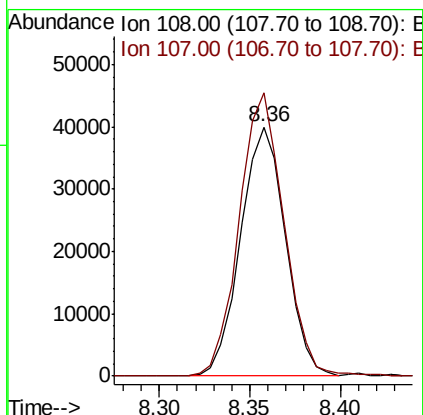
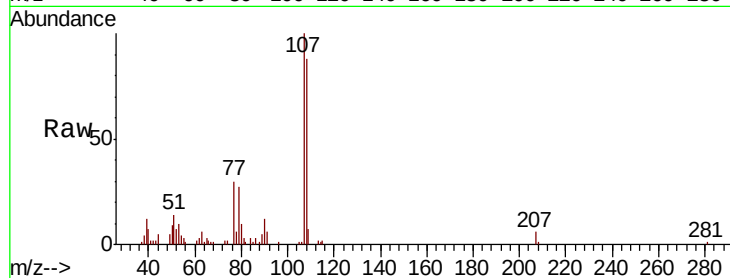




#18  
4-Methylphenol  
Concen: 2.821 ng/ul  
RT: 8.36 min Scan# 896  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

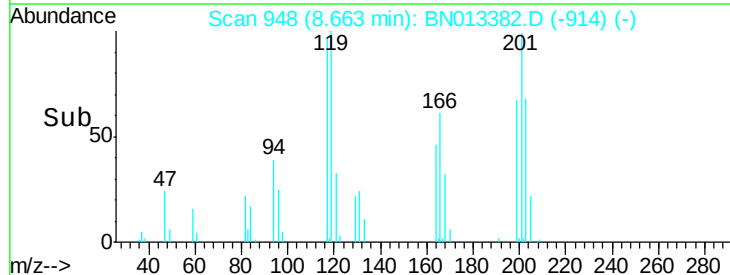
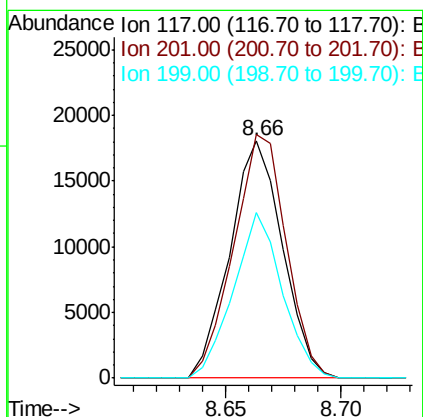
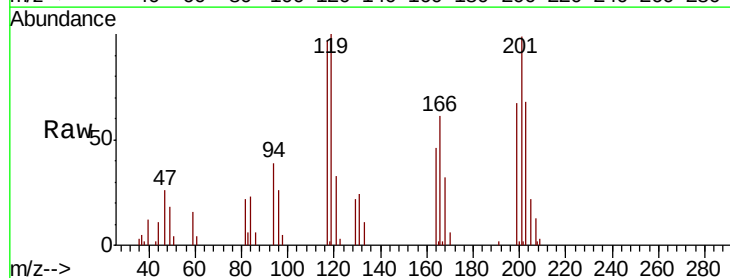
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-ME-SOIL-04

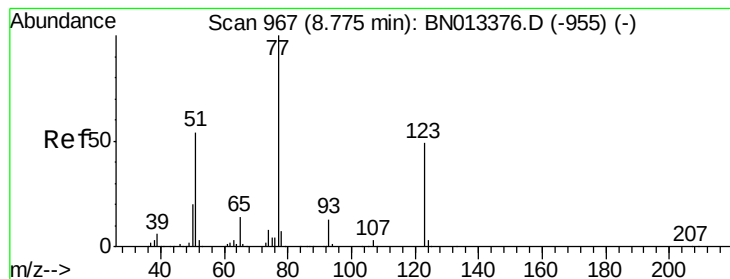
Tot Ion:108 Resp: 68714  
Ion Ratio Lower Upper  
108 100  
107 113.7 87.9 131.9



#19  
Hexachloroethane  
Concen: 2.843 ng/ul  
RT: 8.66 min Scan# 948  
Delta R.T. -0.00 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

Tgt Ion:117 Resp: 28825  
Ion Ratio Lower Upper  
117 100  
201 102.5 73.8 110.6  
199 69.9 47.1 70.7





#22

Nitrobenzene

Concen: 3.128 ng/ul

RT: 8.78 min Scan# 967

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

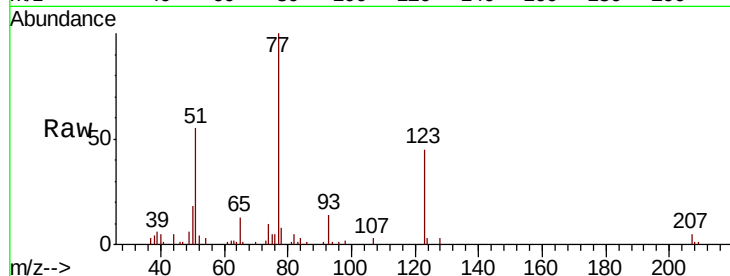
Tot Ion: 77 Resp: 79043

Ion Ratio Lower Upper

77 100

123 44.7 40.2 60.4

65 12.7 10.6 16.0



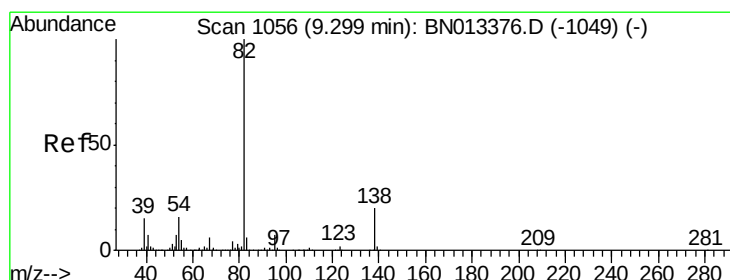
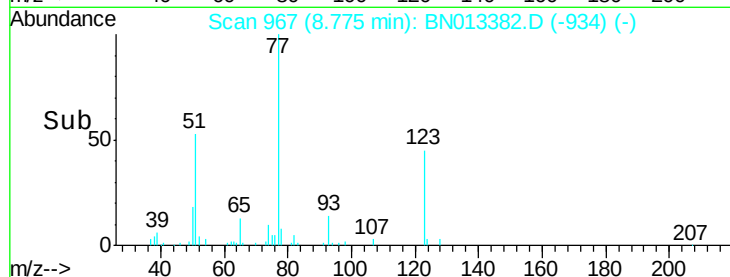
Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 123.00 (122.70 to 123.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

8.78

Time-->



#23

Isophorone

Concen: 2.253 ng/ul

RT: 9.30 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

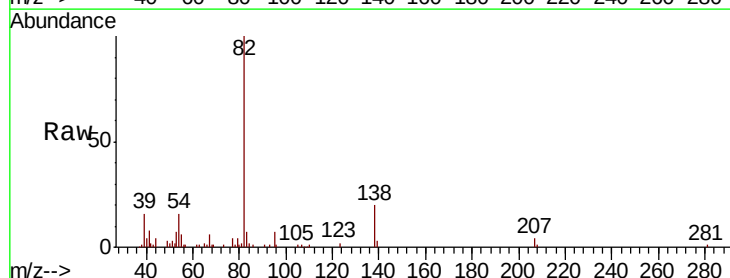
Tgt Ion: 82 Resp: 107682

Ion Ratio Lower Upper

82 100

95 6.7 6.1 9.1

138 19.6 15.6 23.4



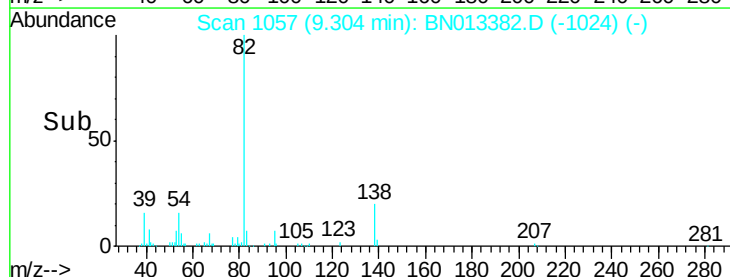
Abundance Ion 82.00 (81.70 to 82.70): BN0

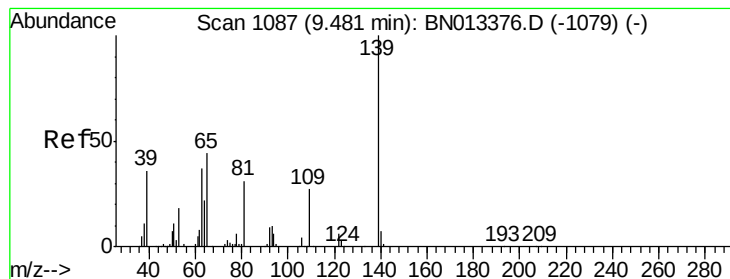
Ion 95.00 (94.70 to 95.70): BN0

Ion 138.00 (137.70 to 138.70): BN0

9.30

Time-->





#25

2-Nitrophenol

Concen: 2.946 ng/ul

RT: 9.48 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

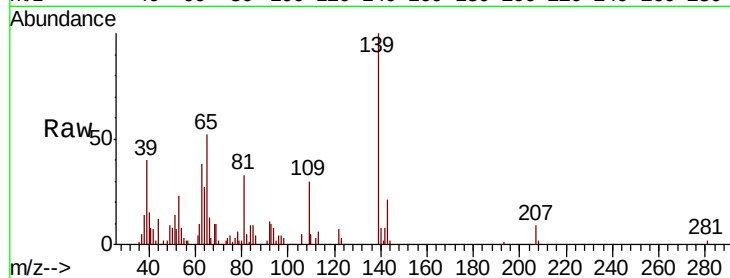
Tot Ion:139 Resp: 38125

Ion Ratio Lower Upper

139 100

65 51.6 35.9 53.9

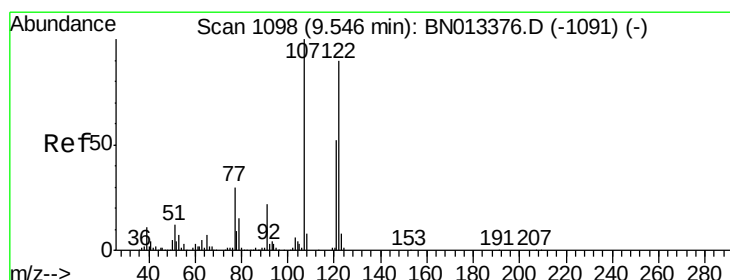
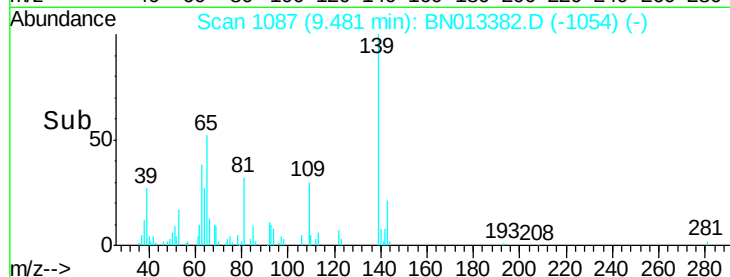
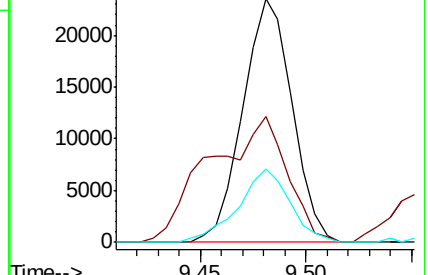
109 30.3 23.0 34.4



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNO

Ion 109.00 (108.70 to 109.70): E



#26

2,4-Dimethylphenol

Concen: 2.778 ng/ul

RT: 9.55 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

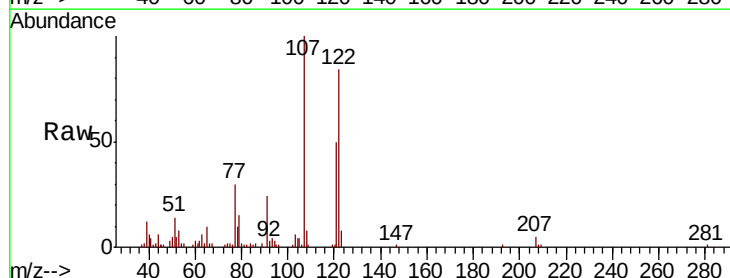
Tgt Ion:107 Resp: 72578

Ion Ratio Lower Upper

107 100

121 49.8 42.2 63.2

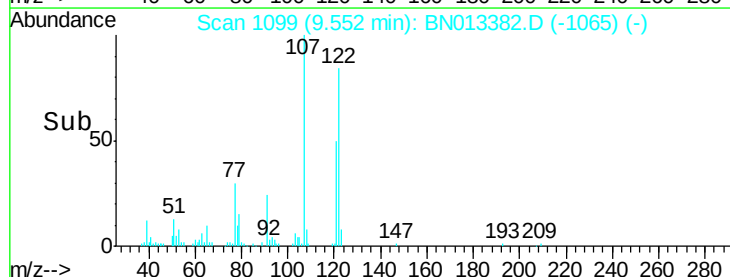
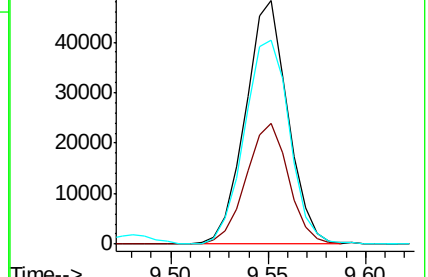
122 83.7 71.3 106.9

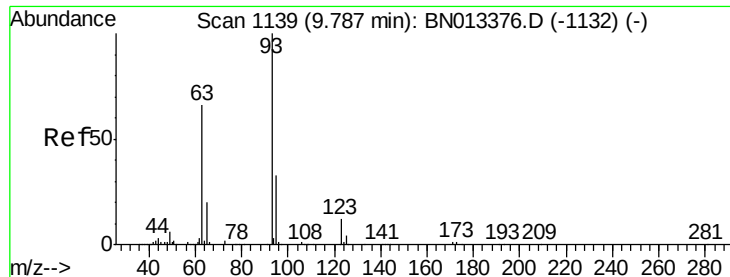


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





#27

Bis(2-Chloroethoxy)methane

Concen: 2.900 ng/ul

RT: 9.79 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

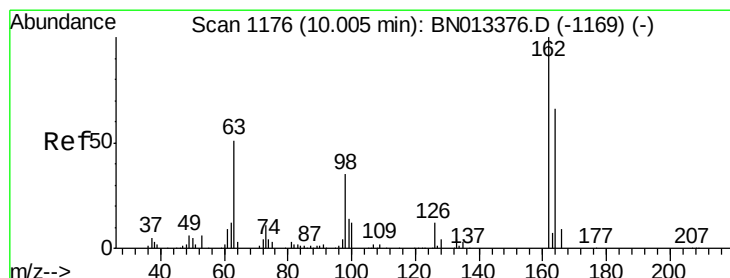
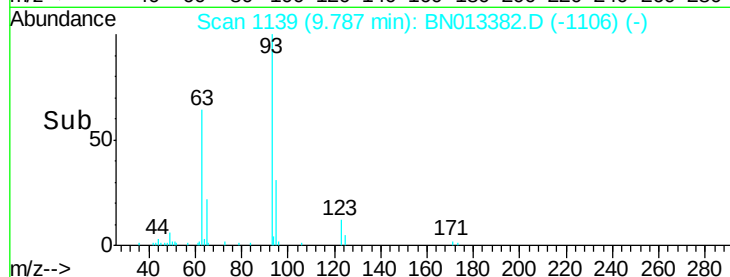
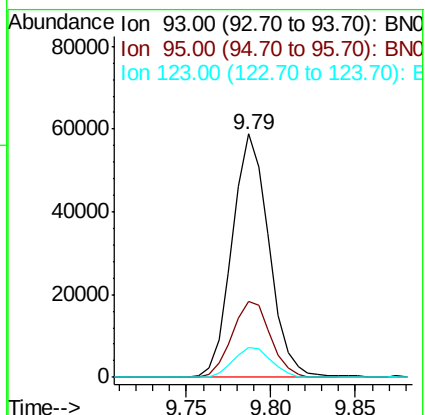
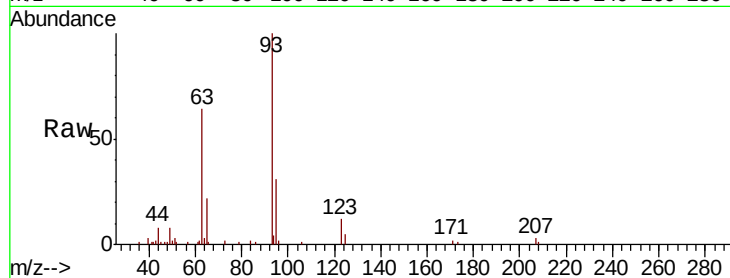
Tot Ion: 93 Resp: 89656

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 31.1  | 26.8  | 40.2  |
| 123 | 12.3  | 9.9   | 14.9  |

93 100

95 31.1 26.8 40.2

123 12.3 9.9 14.9



#29

2,4-Dichlorophenol

Concen: 3.007 ng/ul

RT: 10.01 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

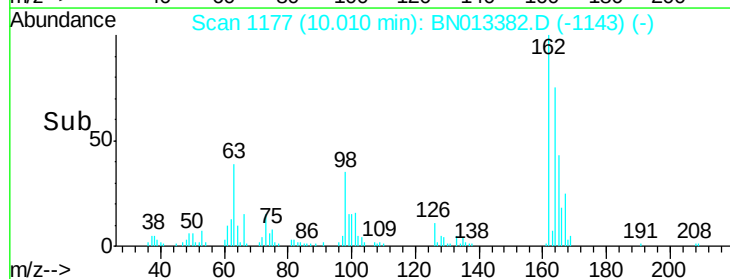
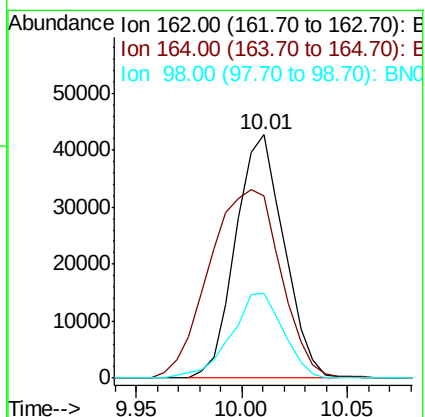
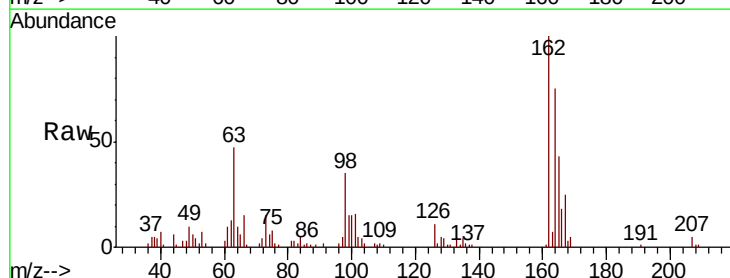
Tgt Ion: 162 Resp: 67981

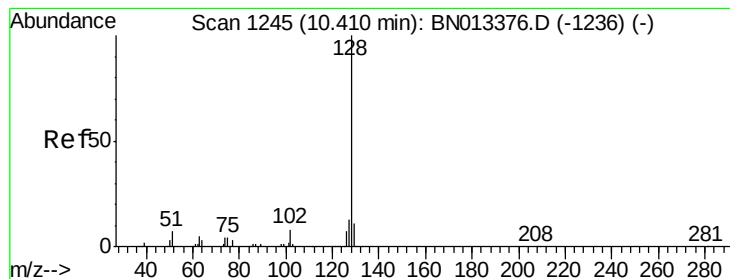
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 164 | 74.7  | 53.3  | 79.9  |
| 98  | 34.7  | 29.0  | 43.6  |

162 100

164 74.7 53.3 79.9

98 34.7 29.0 43.6





#30

Naphthalene

Concen: 3.157 ng/ul

RT: 10.41 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

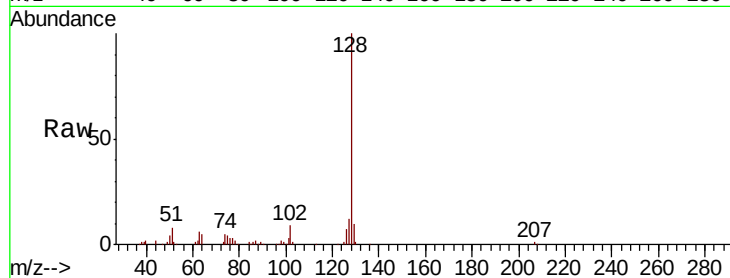
Tot Ion:128 Resp: 250713

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

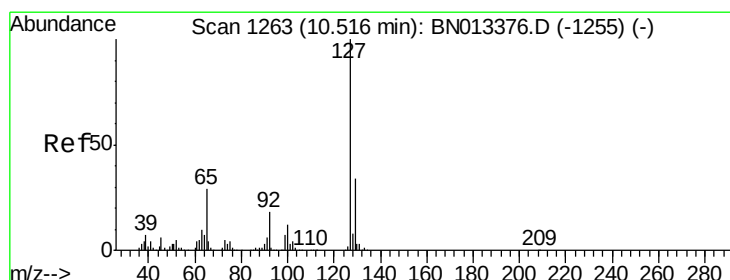
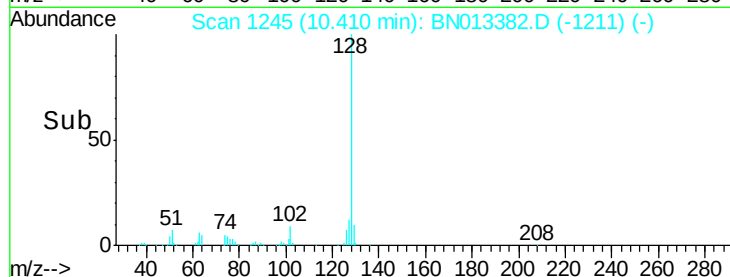
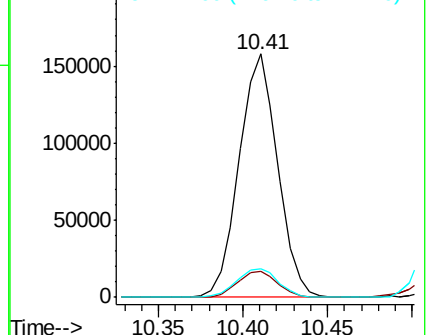
127 11.6 10.2 15.4



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

4-Chloroaniline

Concen: 3.250 ng/ul

RT: 10.52 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BN013382.D

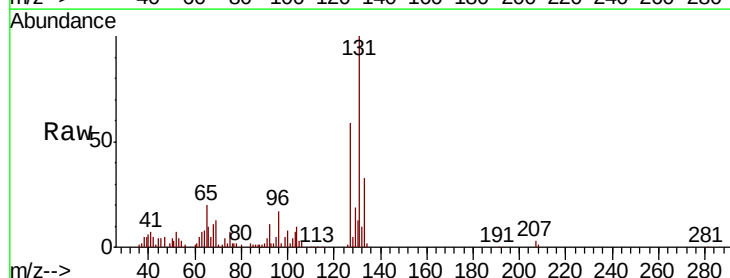
Acq: 11 Jan 2021 13:47

Tgt Ion:127 Resp: 97197

Ion Ratio Lower Upper

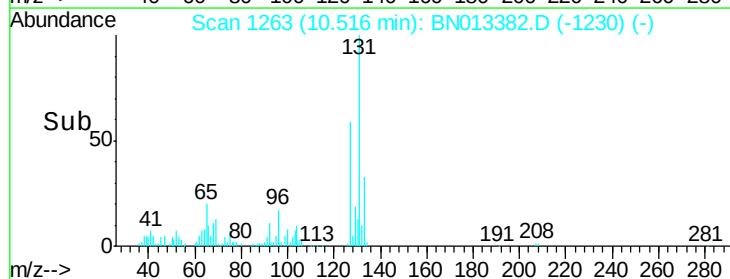
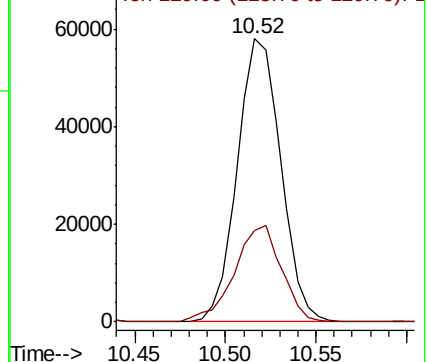
127 100

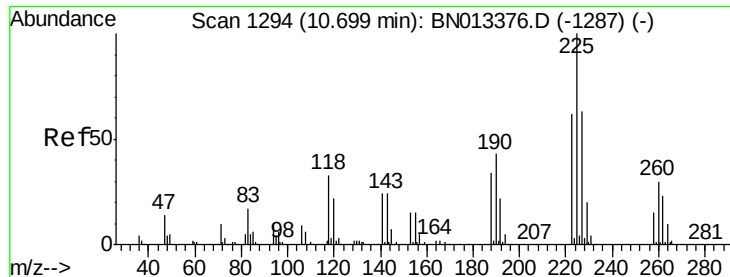
129 32.4 25.4 38.0



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

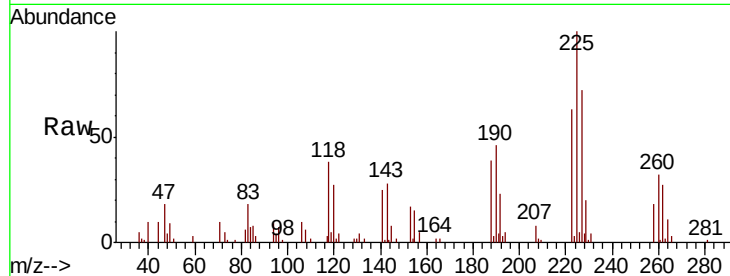




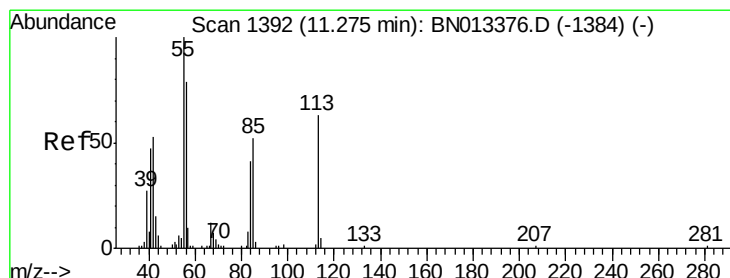
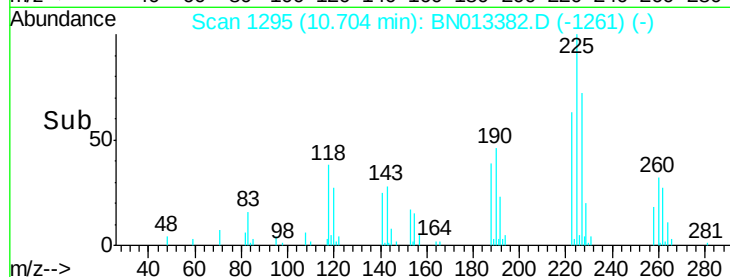
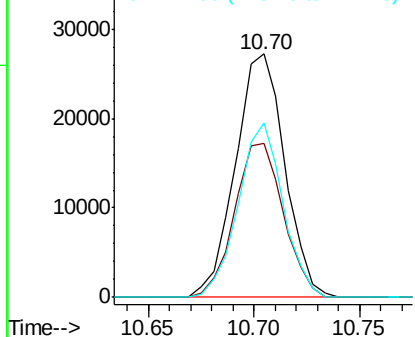
#33  
Hexachlorobutadiene  
Concen: 3.121 ng/ul  
RT: 10.70 min Scan# 1295  
Delta R.T. -0.00 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-ME-SOIL-04

Tot Ion:225 Resp: 44102  
Ion Ratio Lower Upper  
225 100  
223 63.3 48.7 73.1  
227 71.8 50.2 75.4

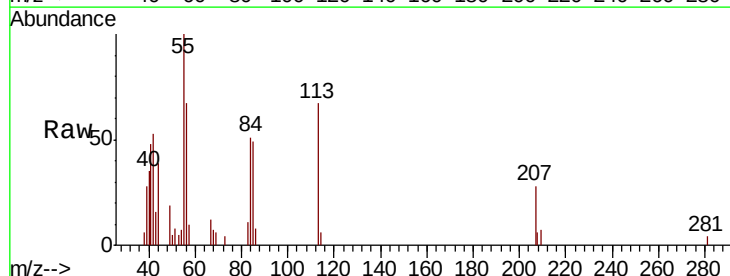


Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

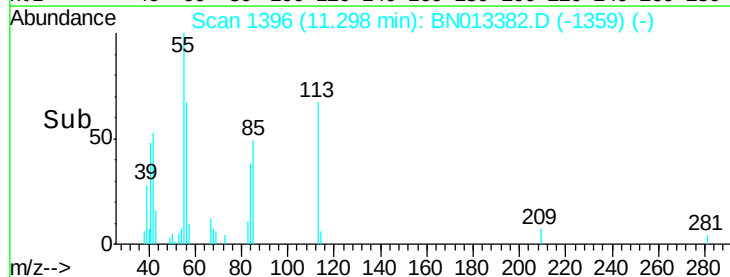
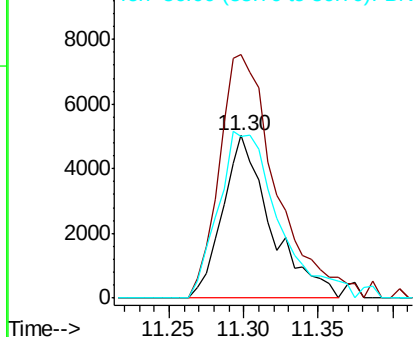


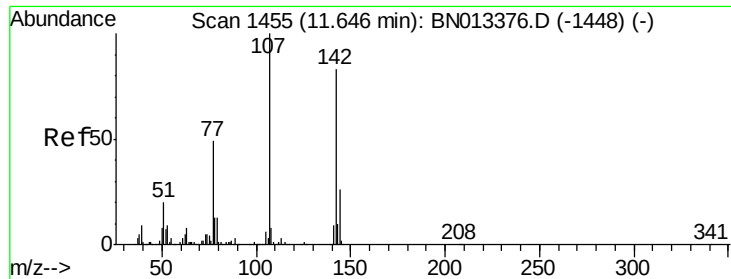
#34  
Caprolactam  
Concen: 1.632 ng/ul  
RT: 11.30 min Scan# 1396  
Delta R.T. 0.02 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

Tgt Ion:113 Resp: 11374  
Ion Ratio Lower Upper  
113 100  
55 149.9 130.5 195.7  
56 99.8 101.0 151.6#



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

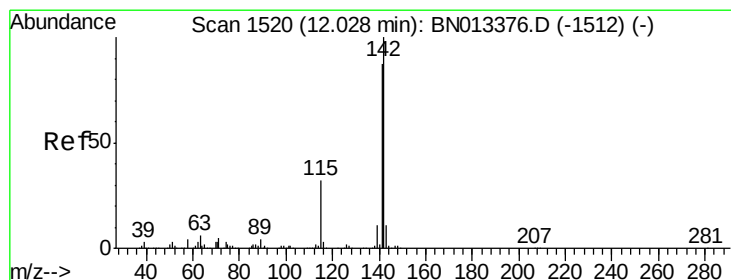
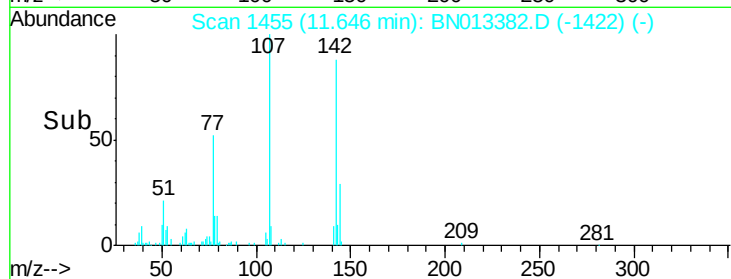
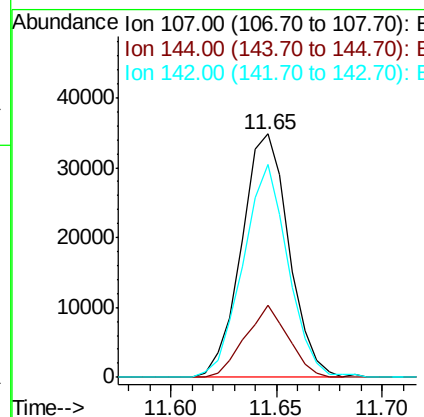
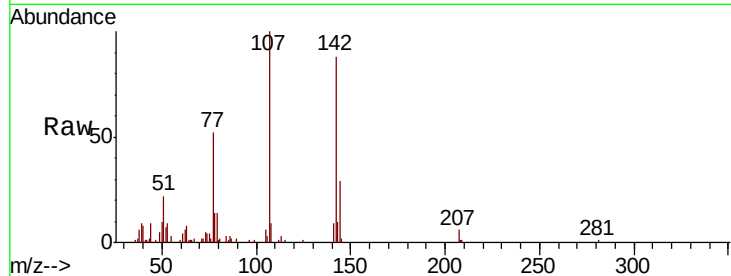




#35  
 4-Chloro-3-methylphenol  
 Concen: 2.243 ng/ul  
 RT: 11.65 min Scan# 1455  
 Delta R.T. -0.01 min  
 Lab File: BN013382.D  
 Acq: 11 Jan 2021 13:47

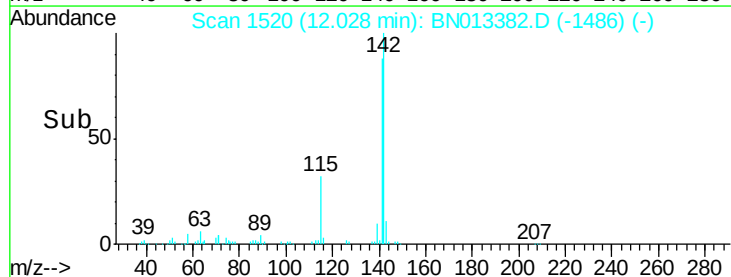
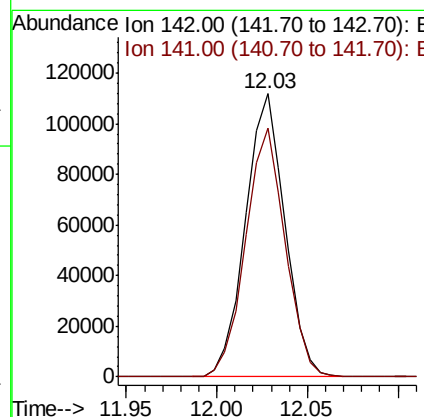
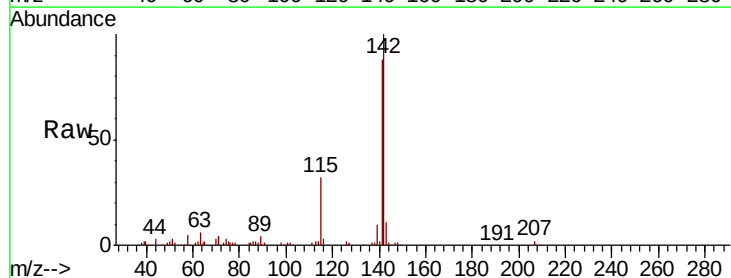
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-ME-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 29.5  | 21.2  | 31.8  |
| 142     | 87.6  | 63.2  | 94.8  |

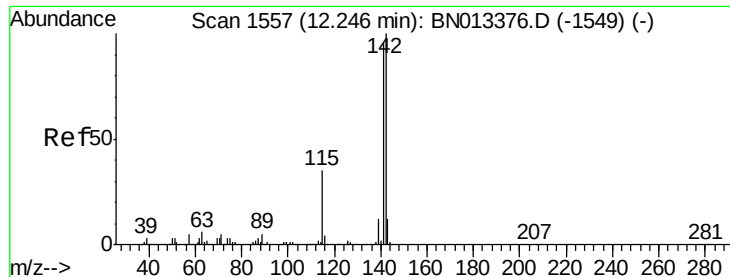


#36  
 2-Methylnaphthalene  
 Concen: 3.095 ng/ul  
 RT: 12.03 min Scan# 1520  
 Delta R.T. -0.00 min  
 Lab File: BN013382.D  
 Acq: 11 Jan 2021 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.8  | 71.5  | 107.3 |



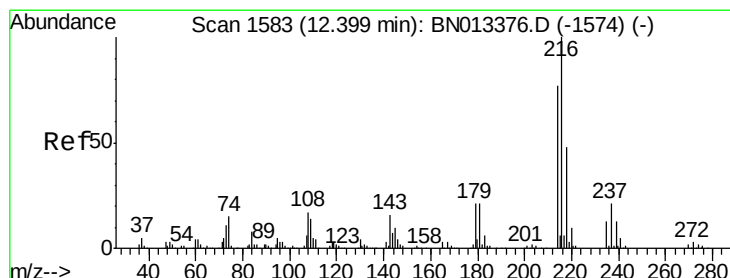
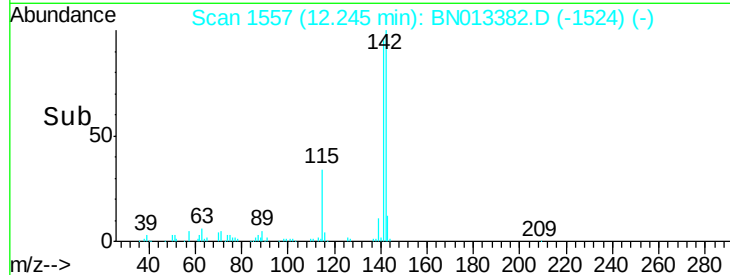
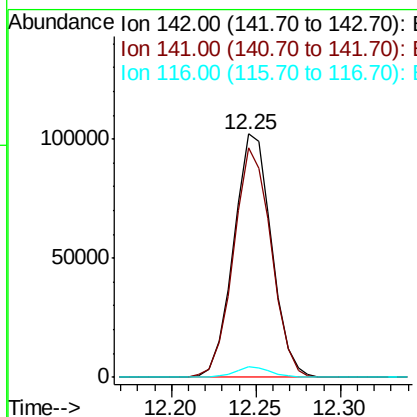
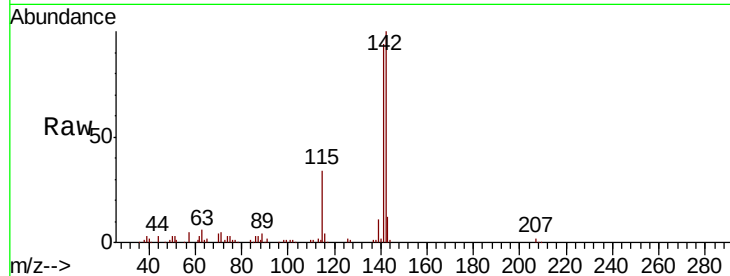




#37  
1-Methylnaphthalene  
Concen: 3.022 ng/ul  
RT: 12.25 min Scan# 1557  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

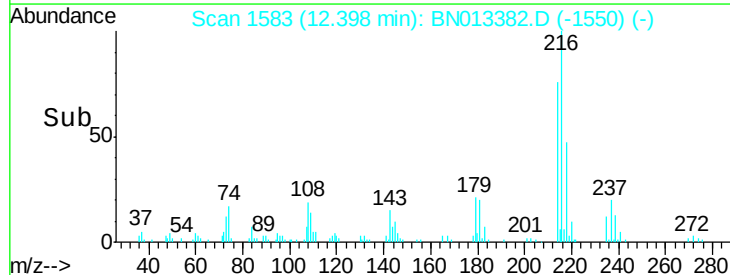
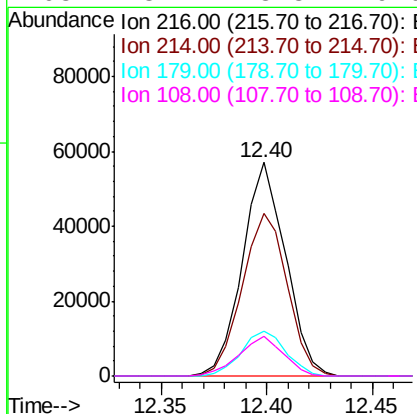
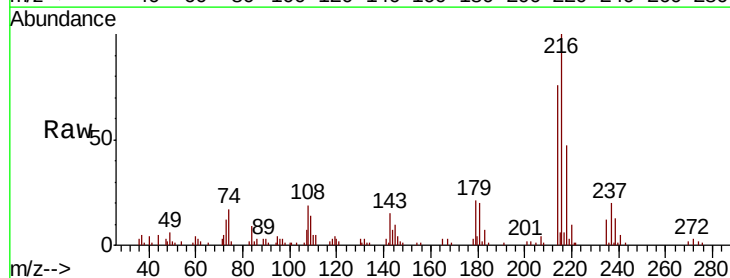
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-ME-SOIL-04

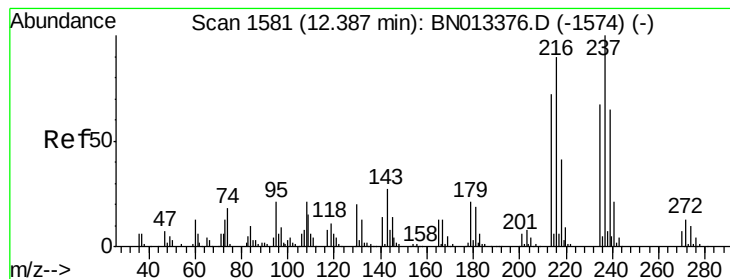
Tot Ion:142 Resp: 159081  
Ion Ratio Lower Upper  
142 100  
141 94.3 71.4 107.2  
116 4.1 2.9 4.3



#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 3.212 ng/ul  
RT: 12.40 min Scan# 1583  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

Tgt Ion:216 Resp: 81006  
Ion Ratio Lower Upper  
216 100  
214 76.2 61.6 92.4  
179 21.0 16.7 25.1  
108 18.7 13.8 20.6





#40

Hexachlorocyclopentadiene

Concen: 3.155 ng/ul

RT: 12.39 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

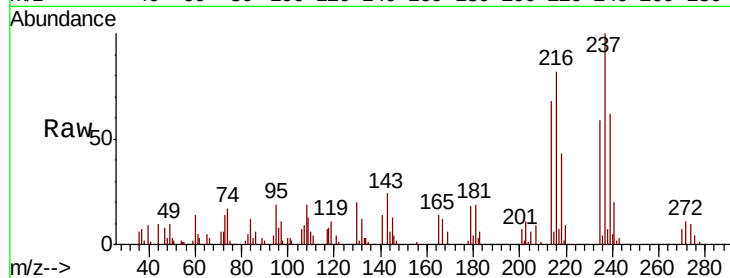
Tot Ion:237 Resp: 41455

Ion Ratio Lower Upper

237 100

235 59.4 49.9 74.9

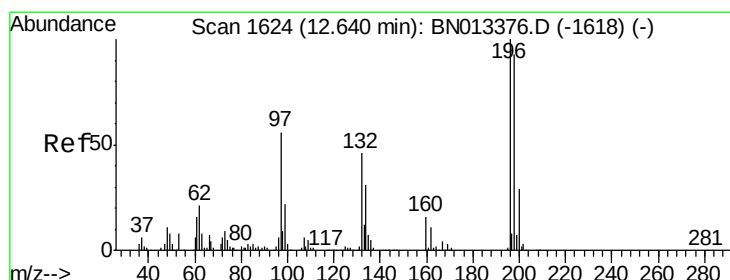
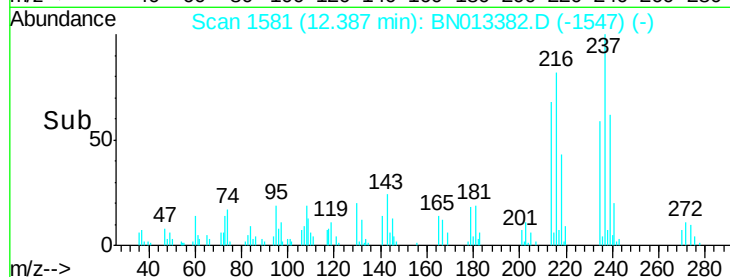
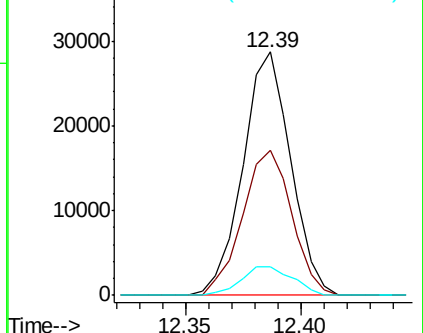
272 11.5 10.1 15.1



Abundance Ion 237.00 (236.70 to 237.70): E

Ion 235.00 (234.70 to 235.70): E

Ion 272.00 (271.70 to 272.70): E



#41

2,4,6-Trichlorophenol

Concen: 2.191 ng/ul

RT: 12.65 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

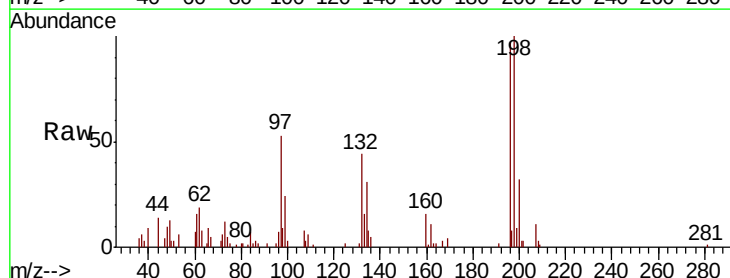
Tgt Ion:196 Resp: 36432

Ion Ratio Lower Upper

196 100

198 102.9 79.6 119.4

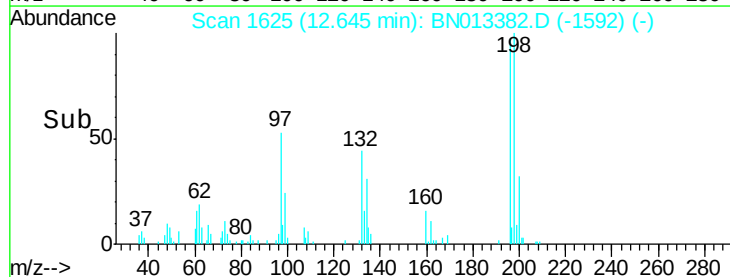
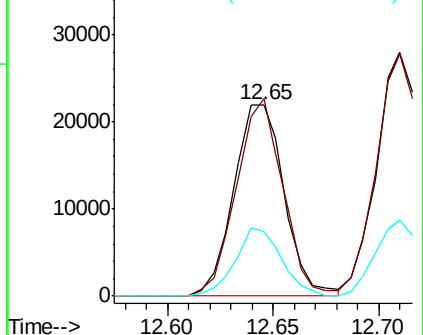
200 33.4 25.1 37.7

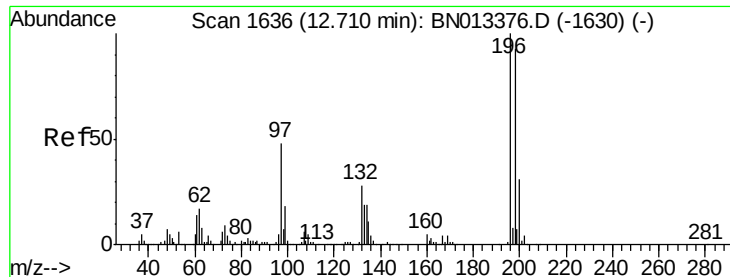


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





#42

2,4,5-Trichlorophenol

Concen: 2.303 ng/ul

RT: 12.71 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

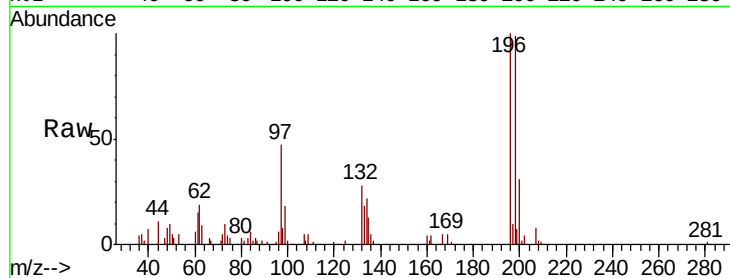
Tot Ion:196 Resp: 40760

Ion Ratio Lower Upper

196 100

198 99.3 75.3 112.9

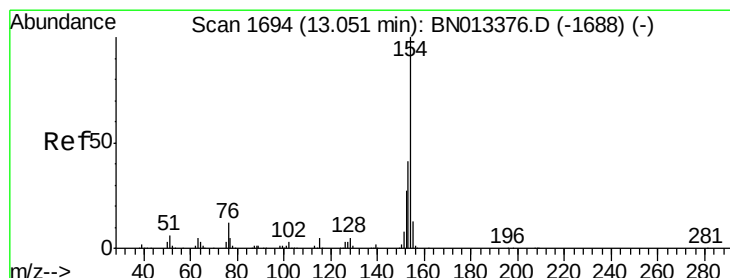
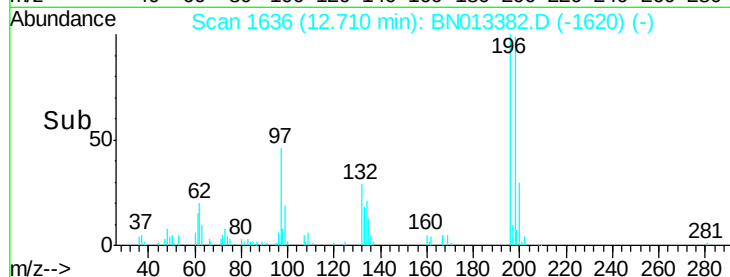
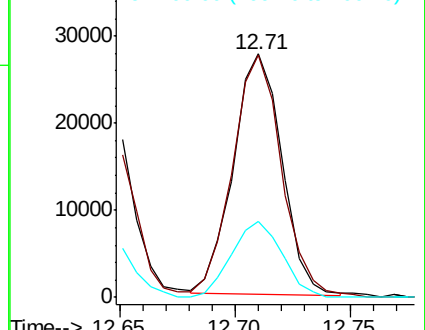
200 30.9 24.1 36.1



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

1,1'-Biphenyl

Concen: 3.253 ng/ul

RT: 13.06 min Scan# 1695

Delta R.T. -0.00 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

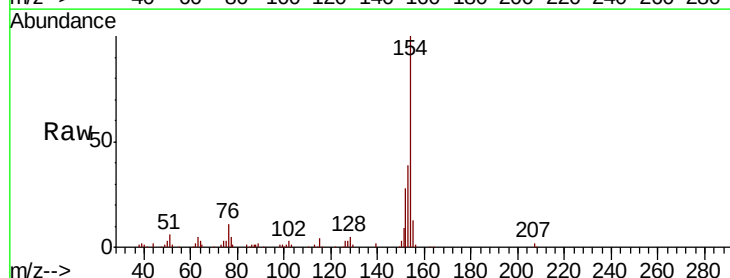
Tgt Ion:154 Resp: 219591

Ion Ratio Lower Upper

154 100

153 39.1 32.1 48.1

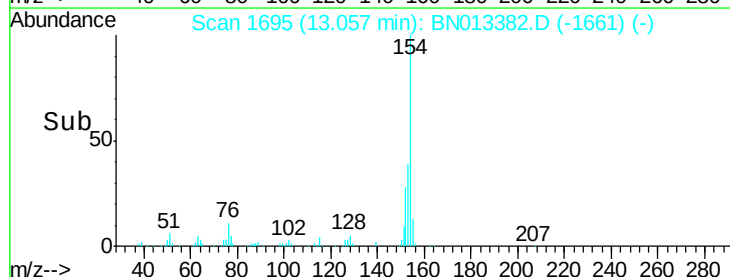
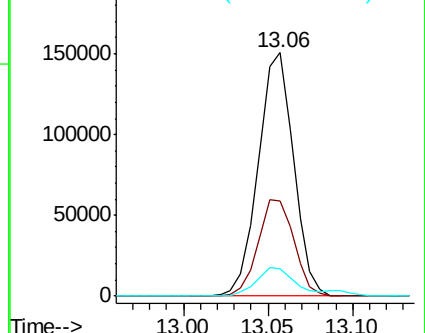
76 11.4 10.0 15.0

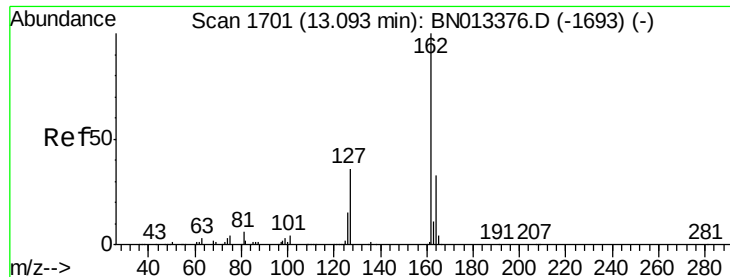


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC

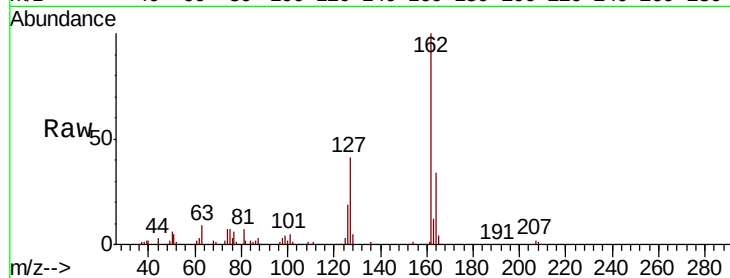




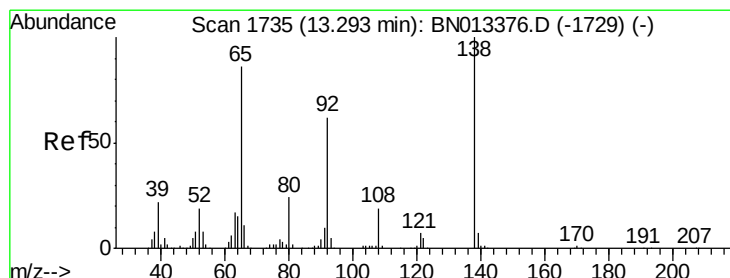
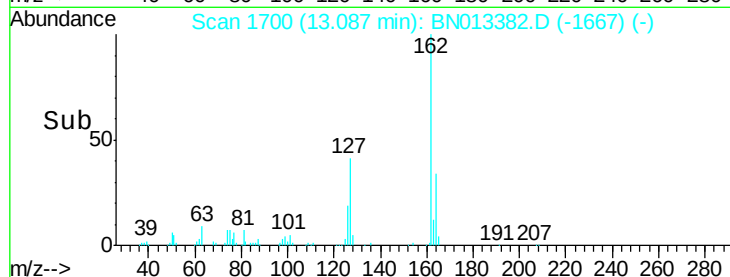
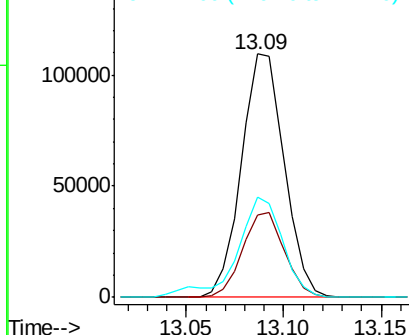
#44  
2-Chloronaphthalene  
Concen: 3.149 ng/ul  
RT: 13.09 min Scan# 1700  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-ME-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 33.9  | 25.8  | 38.6  |
| 127     | 41.0  | 32.6  | 49.0  |

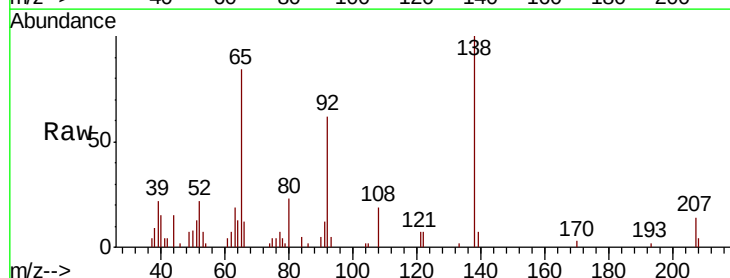


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 127.00 (126.70 to 127.70): E

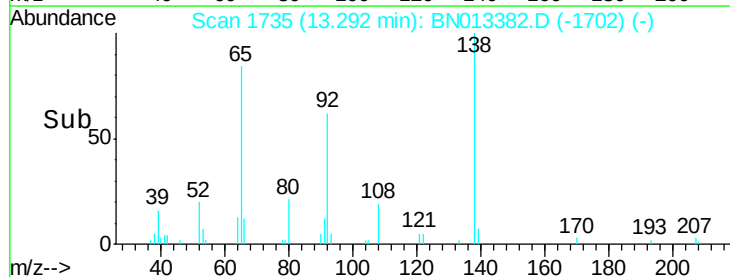
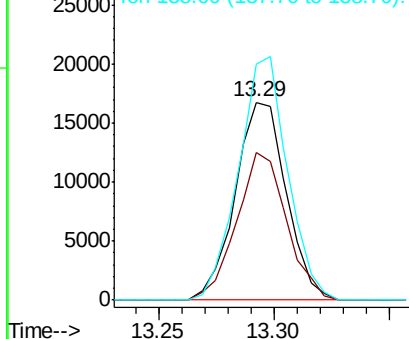


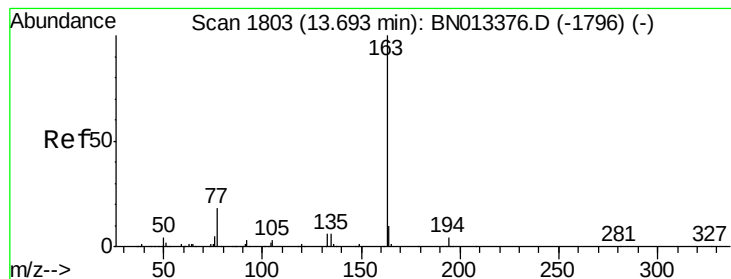
#45  
2-Nitroaniline  
Concen: 1.905 ng/ul  
RT: 13.29 min Scan# 1735  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 74.3  | 56.2  | 84.4  |
| 138     | 119.2 | 91.5  | 137.3 |



Abundance Ion 65.00 (64.70 to 65.70): BN0  
Ion 92.00 (91.70 to 92.70): BN0  
Ion 138.00 (137.70 to 138.70): E





#47

Dimethylphthalate

Concen: 2.971 ng/ul

RT: 13.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

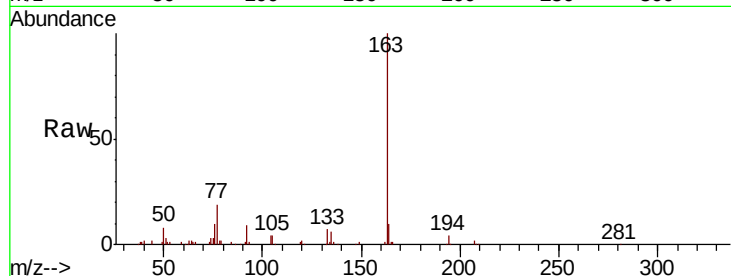
Tot Ion:163 Resp: 197567

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.0

164 10.2 8.2 12.4

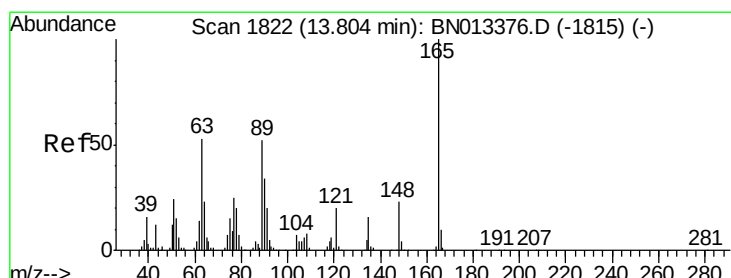
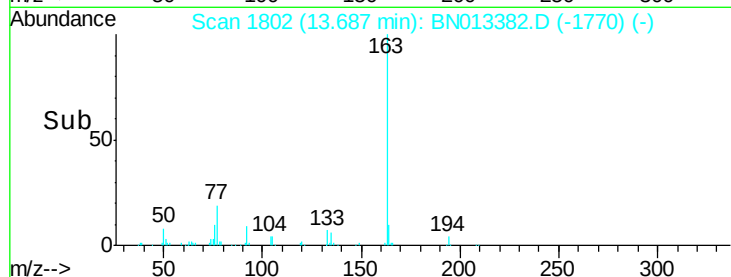
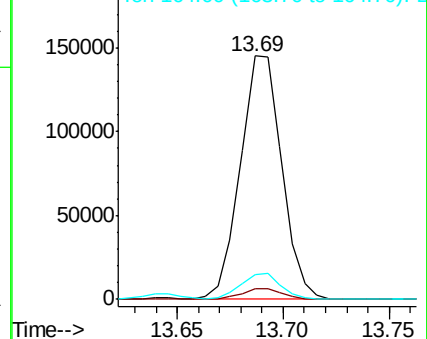


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2,6-Dinitrotoluene

Concen: 2.104 ng/ul

RT: 13.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

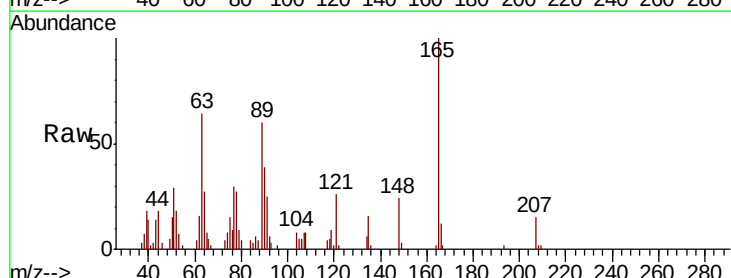
Tgt Ion:165 Resp: 26536

Ion Ratio Lower Upper

165 100

89 60.2 45.0 67.4

121 25.5 17.0 25.6

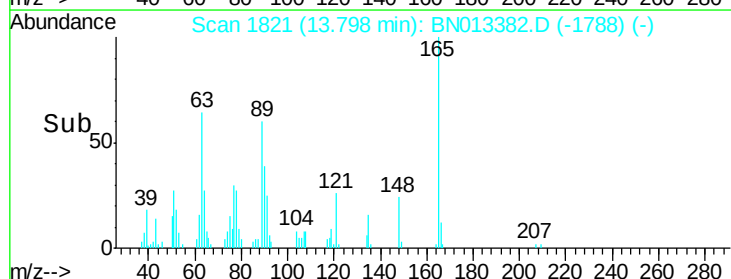
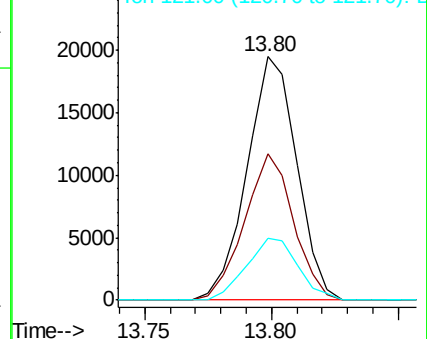


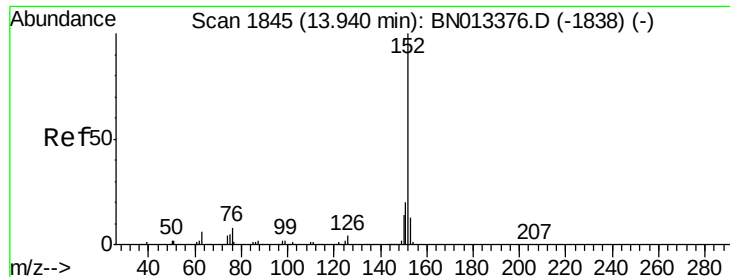
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BNO

Ion 121.00 (120.70 to 121.70): E





#50

Acenaphthylene

Concen: 3.168 ng/ul

RT: 13.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

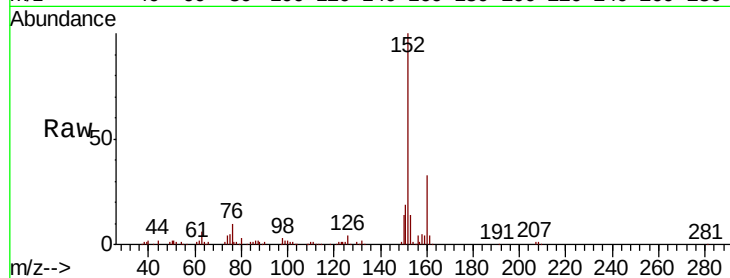
Tot Ion:152 Resp: 256008

Ion Ratio Lower Upper

152 100

151 18.7 15.8 23.6

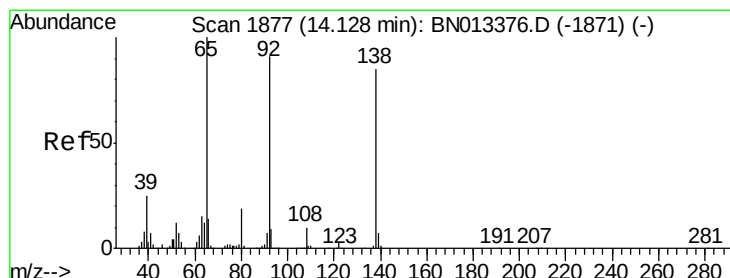
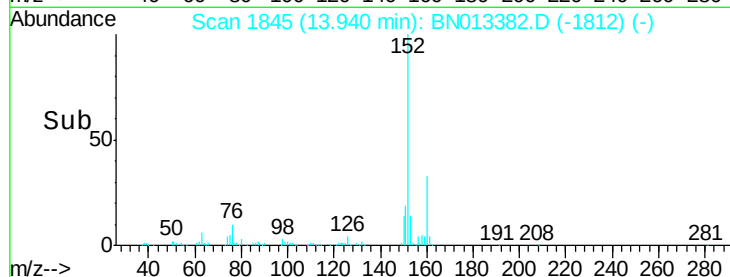
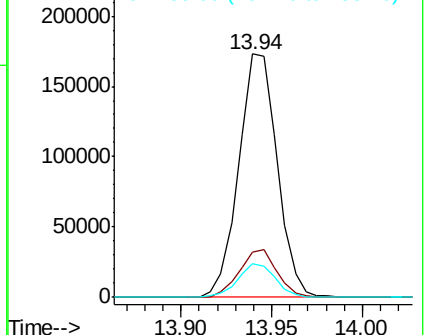
153 13.9 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

3-Nitroaniline

Concen: 2.376 ng/ul

RT: 14.12 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

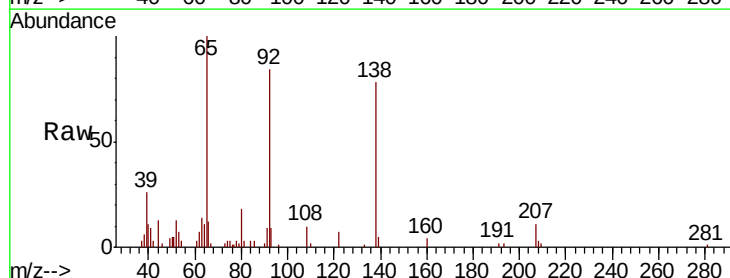
Tgt Ion:138 Resp: 27643

Ion Ratio Lower Upper

138 100

108 13.4 9.0 13.4

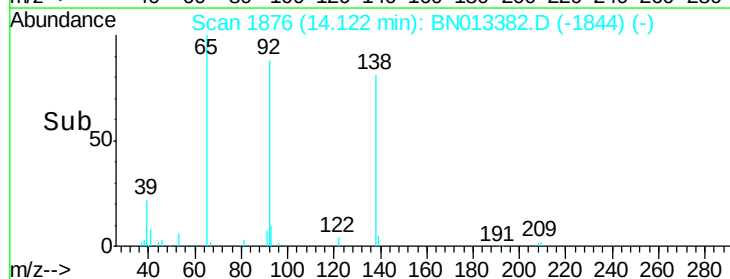
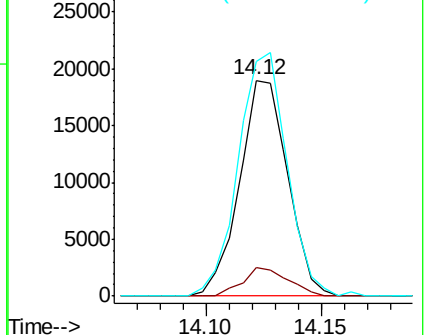
92 108.7 86.7 130.1

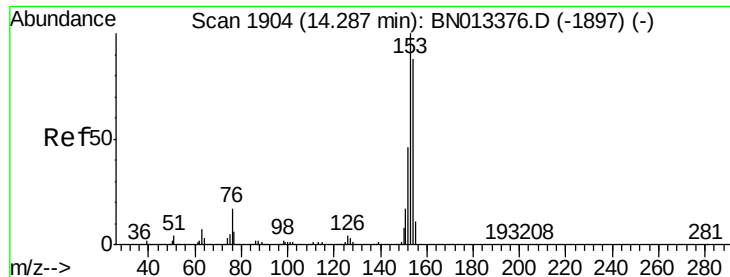


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC





#52

Acenaphthene

Concen: 3.223 ng/ul

RT: 14.29 min Scan# 1904

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

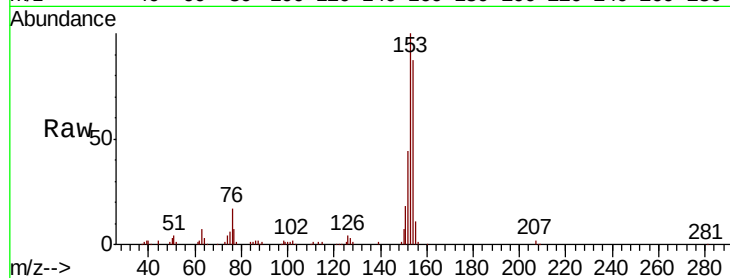
Tot Ion:153 Resp: 183783

Ion Ratio Lower Upper

153 100

152 44.2 37.4 56.2

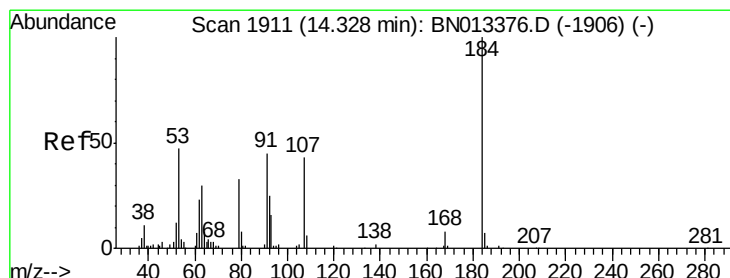
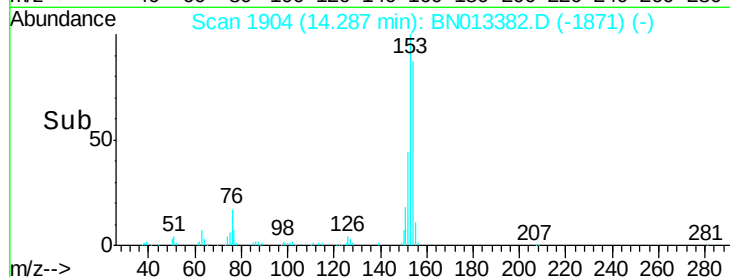
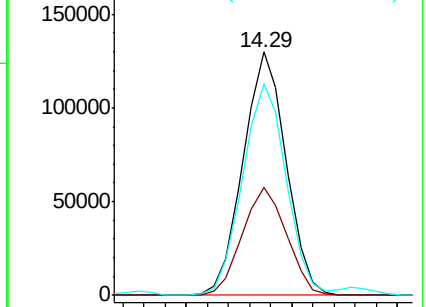
154 87.0 72.7 109.1



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

2,4-Dinitrophenol

Concen: 1.546 ng/ul

RT: 14.33 min Scan# 1911

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

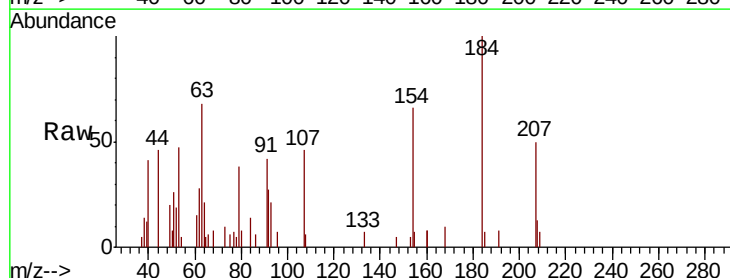
Tgt Ion:184 Resp: 8737

Ion Ratio Lower Upper

184 100

63 68.4 53.5 80.3

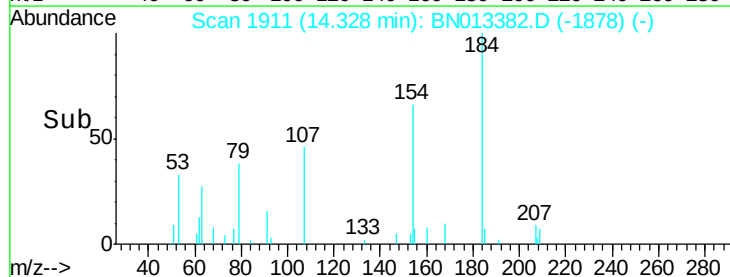
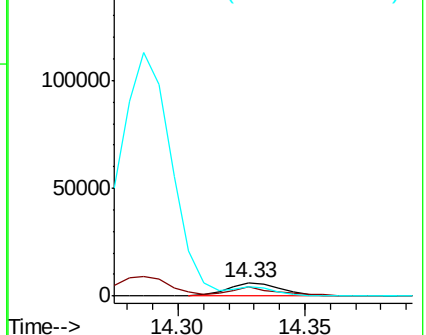
154 66.4 49.8 74.8

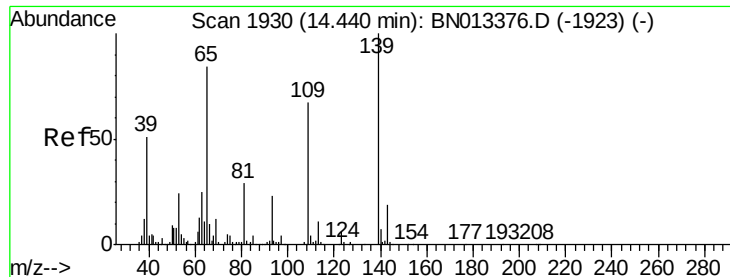


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BN0

Ion 154.00 (153.70 to 154.70): E

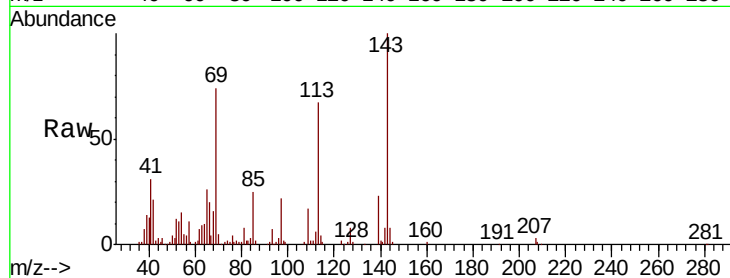




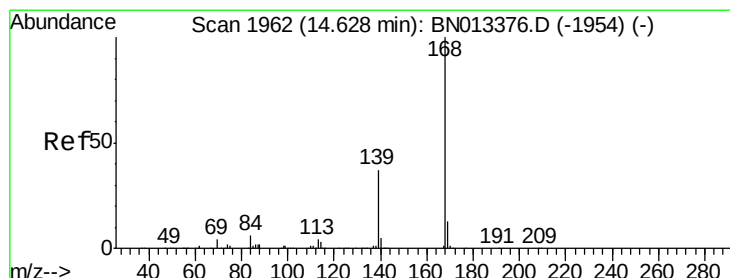
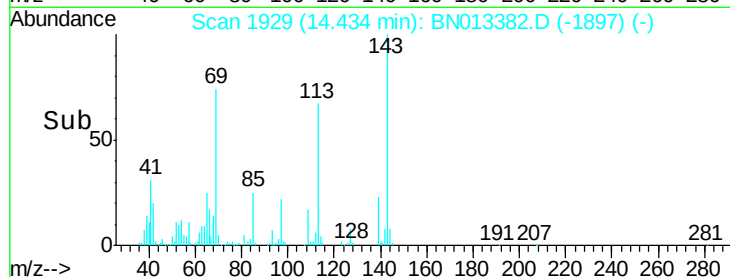
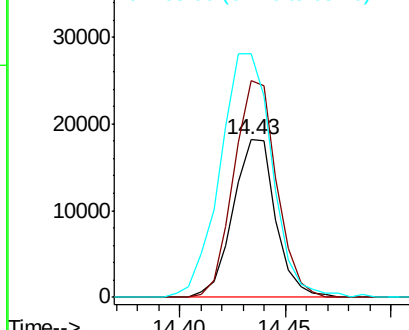
#55  
4-Nitrophenol  
Concen: 2.861 ng/ul  
RT: 14.43 min Scan# 1929  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-ME-SOIL-04

Tot Ion:109 Resp: 25501  
Ion Ratio Lower Upper  
109 100  
139 137.5 115.7 173.5  
65 154.2 97.9 146.9#

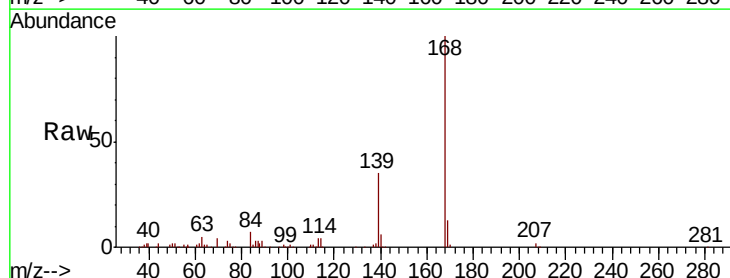


Abundance Ion 109.00 (108.70 to 109.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 65.00 (64.70 to 65.70): BNC

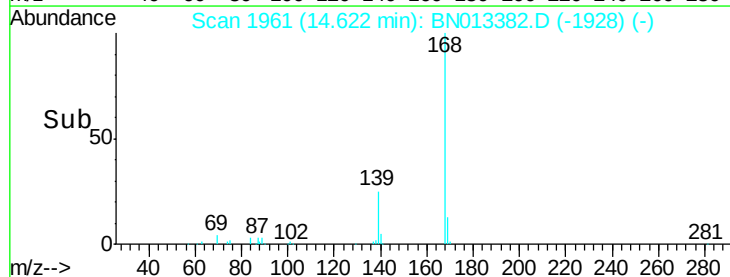
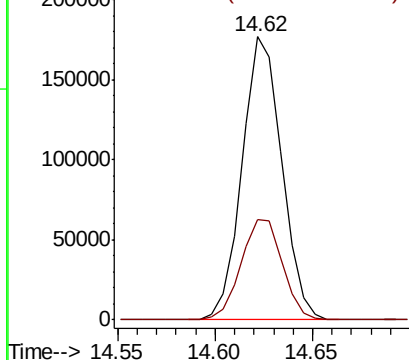


#56  
Dibenzofuran  
Concen: 3.185 ng/ul  
RT: 14.62 min Scan# 1961  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

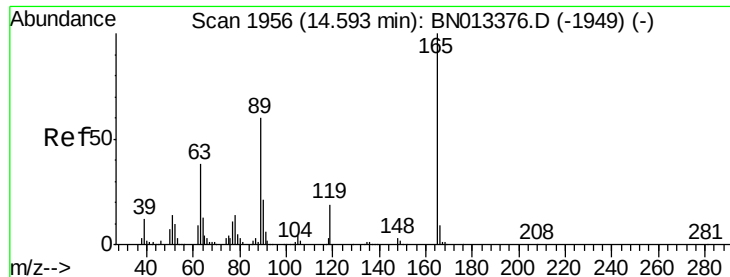
Tgt Ion:168 Resp: 248641  
Ion Ratio Lower Upper  
168 100  
139 35.2 31.5 47.3



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E



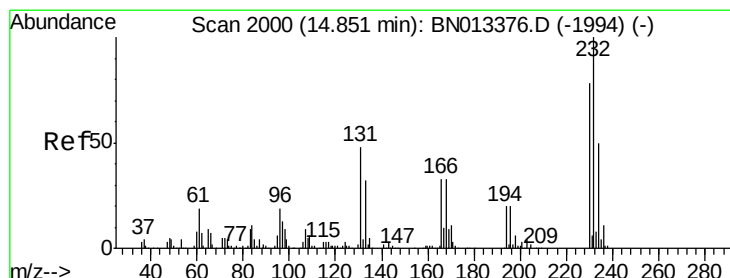
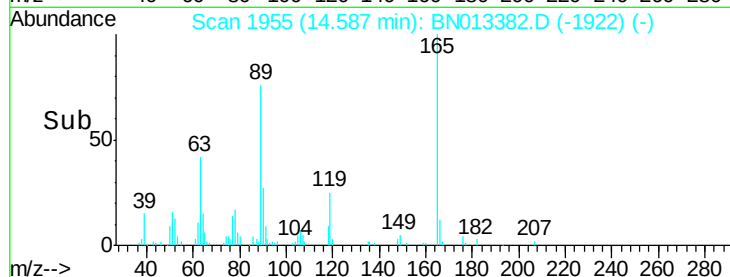
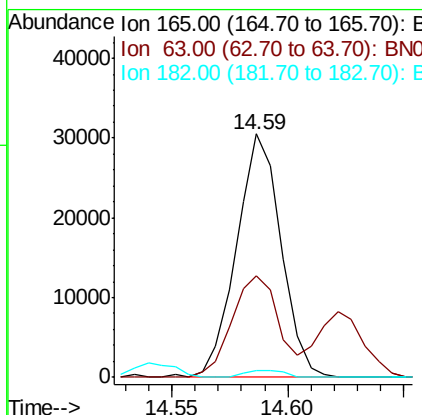
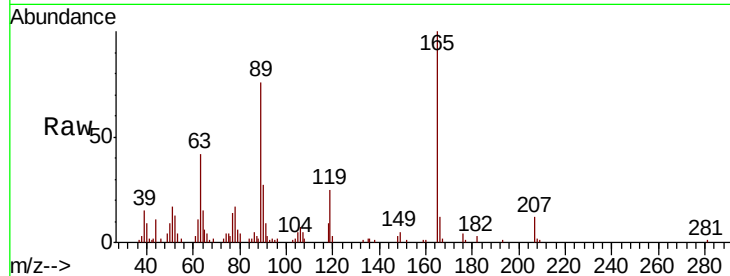




#57  
 2,4-Dinitrotoluene  
 Concen: 2.280 ng/ul  
 RT: 14.59 min Scan# 1955  
 Delta R.T. -0.01 min  
 Lab File: BN013382.D  
 Acq: 11 Jan 2021 13:47

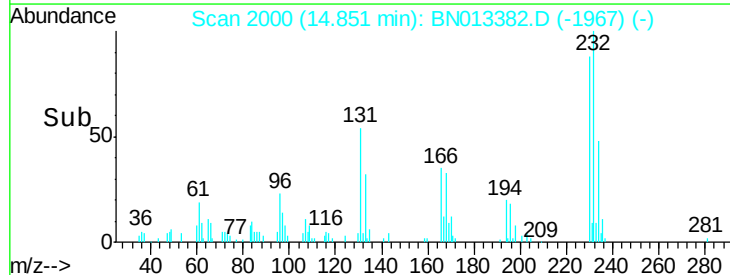
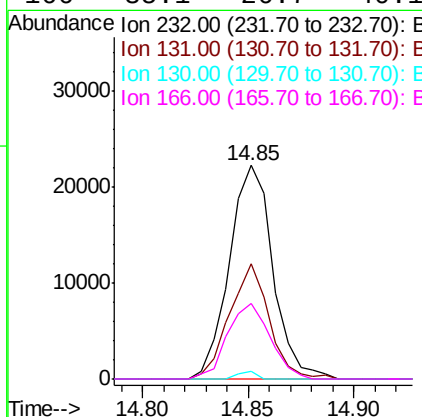
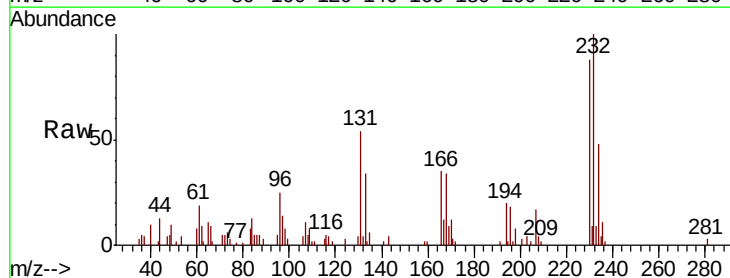
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-ME-SOIL-04

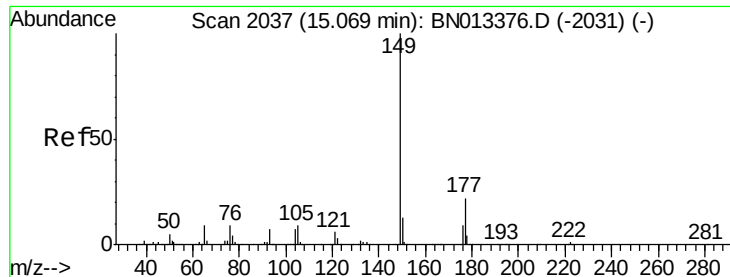
Tot Ion:165 Resp: 40975  
 Ion Ratio Lower Upper  
 165 100  
 63 42.0 32.6 48.8  
 182 2.9 2.4 3.6



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 2.125 ng/ul  
 RT: 14.85 min Scan# 2000  
 Delta R.T. -0.01 min  
 Lab File: BN013382.D  
 Acq: 11 Jan 2021 13:47

Tgt Ion:232 Resp: 31751  
 Ion Ratio Lower Upper  
 232 100  
 131 54.0 37.5 56.3  
 130 3.6 1.9 2.9#  
 166 35.1 26.7 40.1

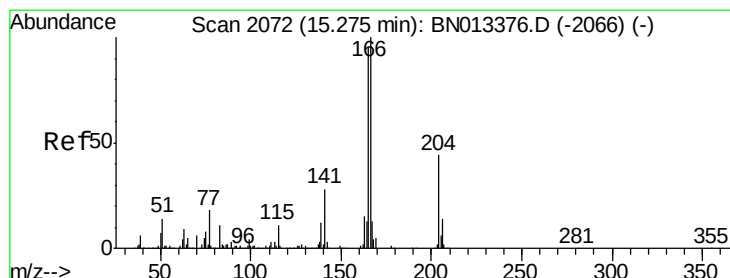
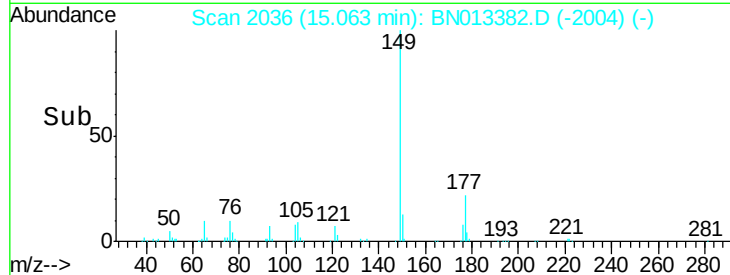
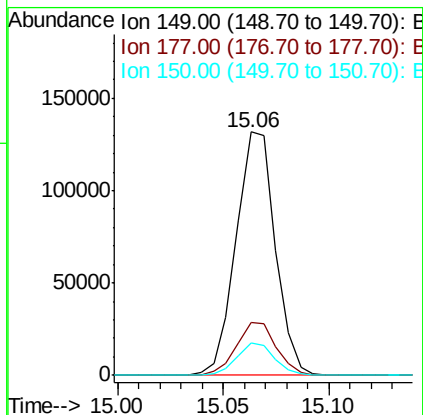
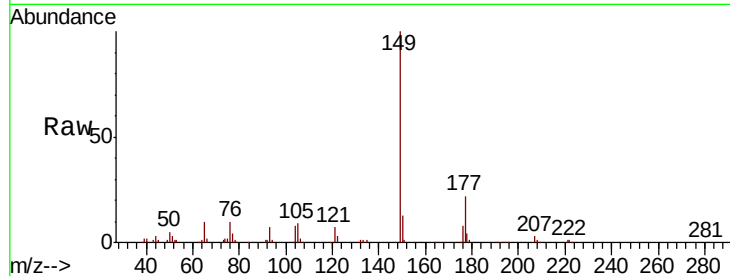




#59  
Diethylphthalate  
Concen: 2.517 ng/ul  
RT: 15.06 min Scan# 2036  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

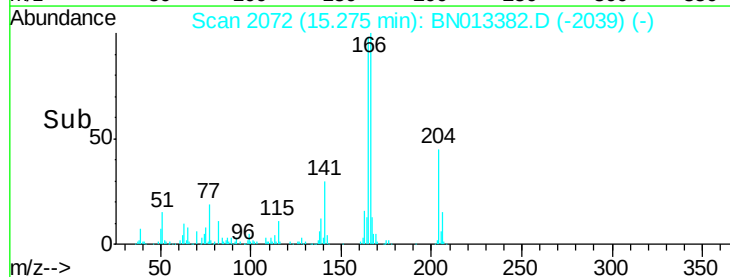
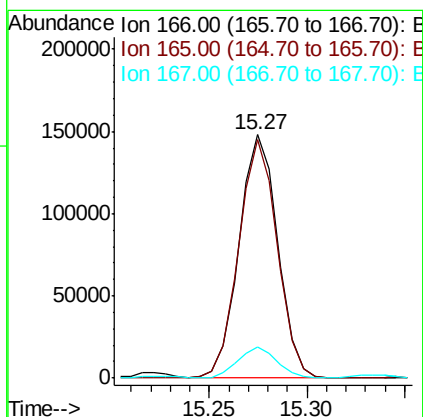
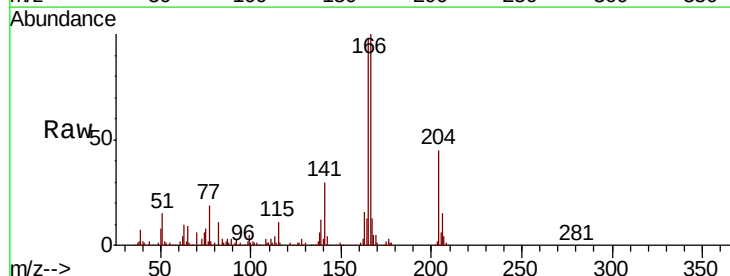
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-ME-SOIL-04

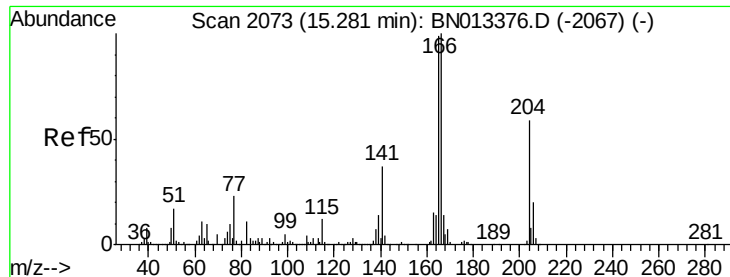
Tot Ion:149 Resp: 170174  
Ion Ratio Lower Upper  
149 100  
177 22.0 17.1 25.7  
150 13.2 10.0 15.0



#61  
Fluorene  
Concen: 3.211 ng/ul  
RT: 15.27 min Scan# 2072  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

Tgt Ion:166 Resp: 203102  
Ion Ratio Lower Upper  
166 100  
165 97.8 78.3 117.5  
167 13.0 10.8 16.2

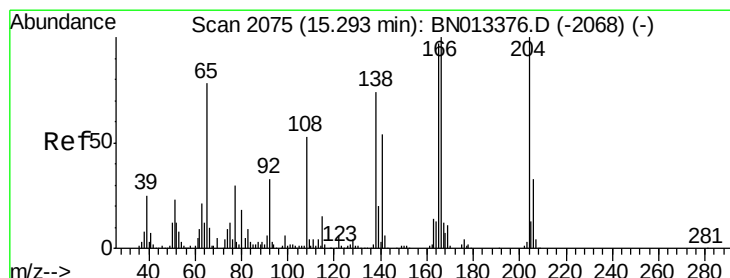
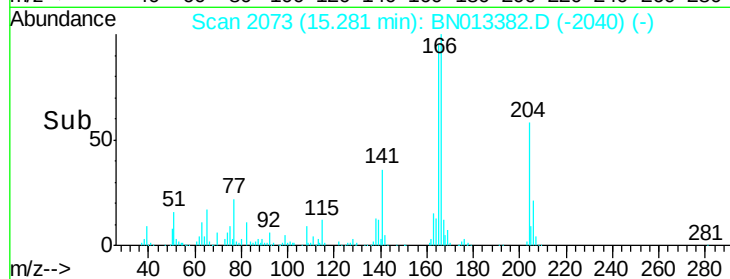
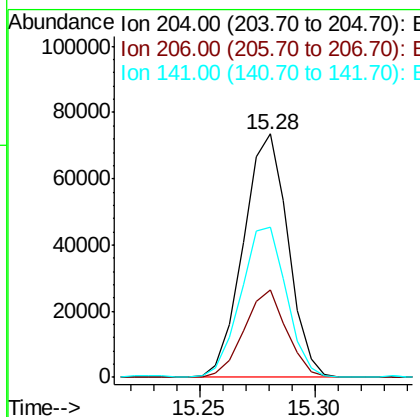
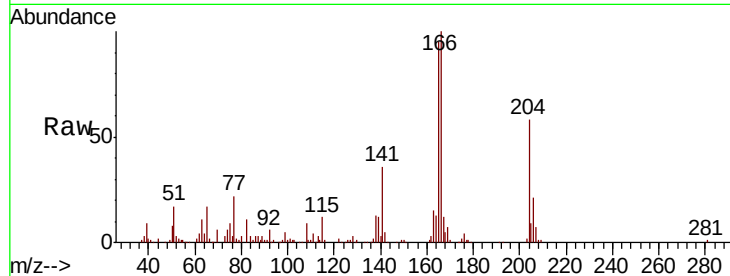




#62  
 4-Chlorophenyl-phenylether  
 Concen: 3.261 ng/ul  
 RT: 15.28 min Scan# 2073  
 Delta R.T. -0.01 min  
 Lab File: BN013382.D  
 Acq: 11 Jan 2021 13:47

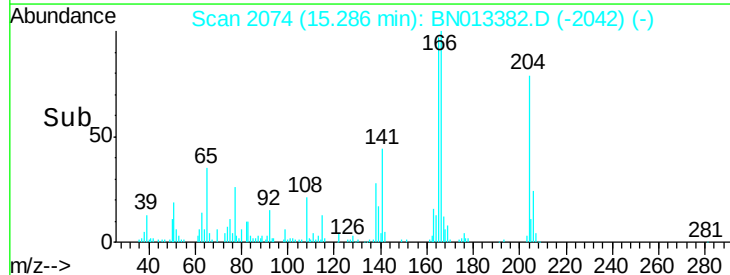
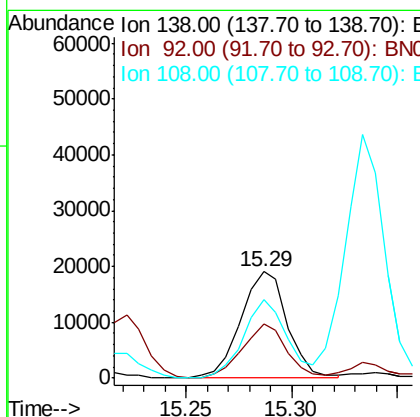
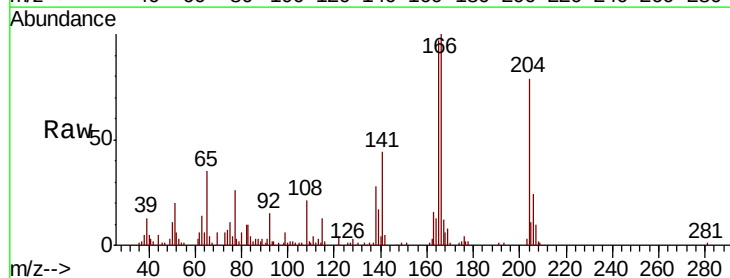
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-ME-SOIL-04

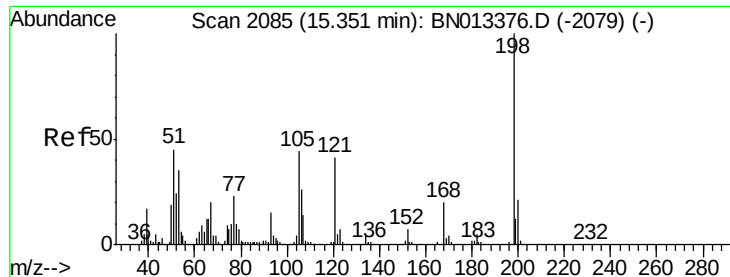
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 35.7  | 27.6  | 41.4  |
| 141     | 61.7  | 50.6  | 76.0  |



#63  
 4-Nitroaniline  
 Concen: 2.684 ng/ul  
 RT: 15.29 min Scan# 2074  
 Delta R.T. -0.01 min  
 Lab File: BN013382.D  
 Acq: 11 Jan 2021 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 51.5  | 38.1  | 57.1  |
| 108     | 73.3  | 56.5  | 84.7  |

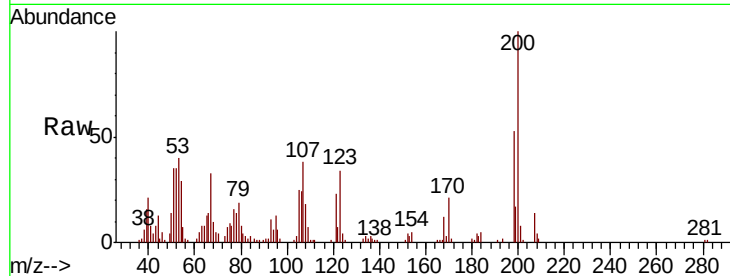




#66  
 4,6-Dinitro-2-methylphenol  
 Concen: 2.955 ng/ul  
 RT: 15.35 min Scan# 2085  
 Delta R.T. -0.01 min  
 Lab File: BN013382.D  
 Acq: 11 Jan 2021 13:47

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-ME-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 182     | 8.0   | 3.8   | 5.6#  |
| 77      | 31.1  | 17.6  | 26.4# |

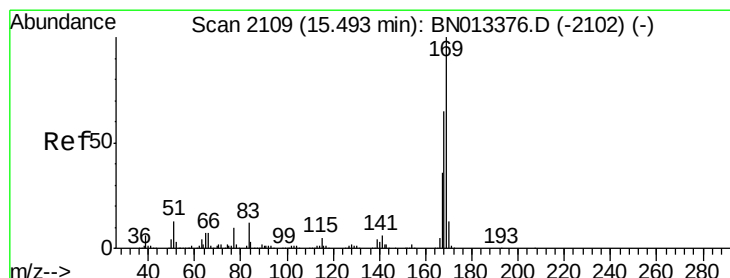
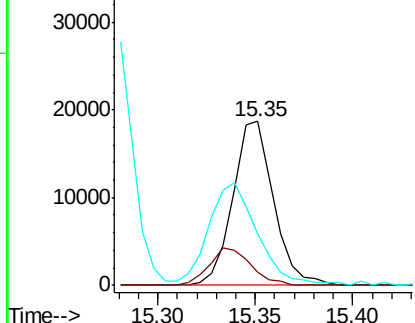
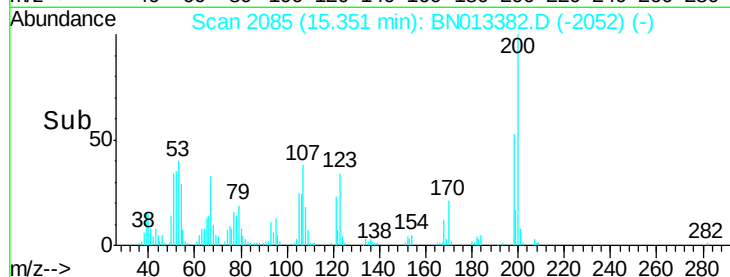


Abundance

Ion 198.00 (197.70 to 198.70): E

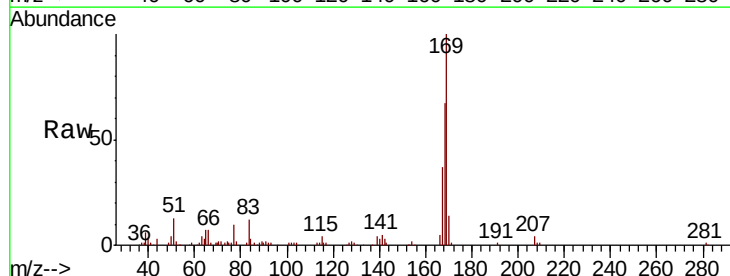
Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BNC



#67  
 N-Nitrosodiphenylamine  
 Concen: 2.894 ng/ul  
 RT: 15.49 min Scan# 2109  
 Delta R.T. -0.01 min  
 Lab File: BN013382.D  
 Acq: 11 Jan 2021 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.3  | 51.7  | 77.5  |
| 167     | 36.6  | 27.8  | 41.6  |

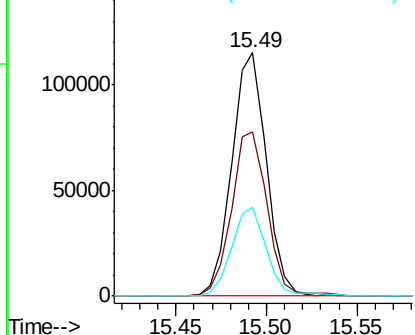
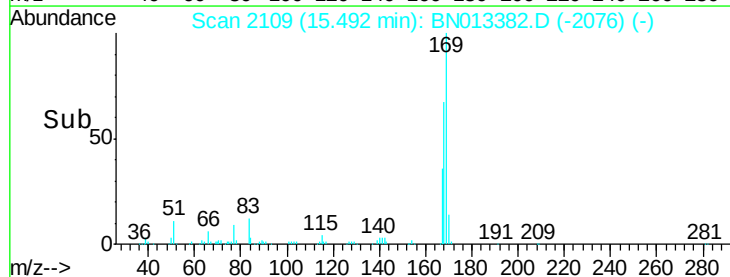


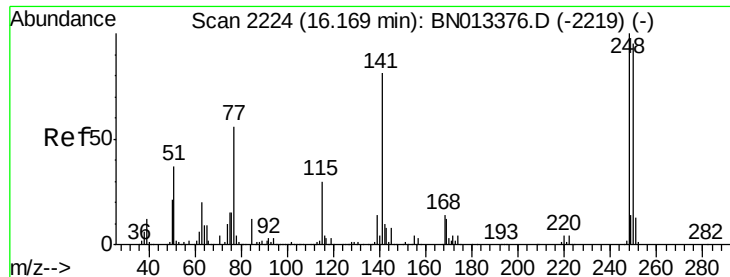
Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

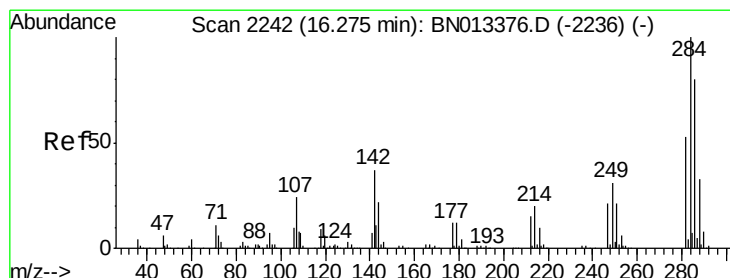
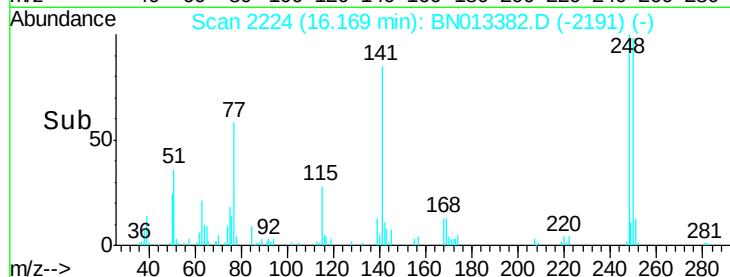
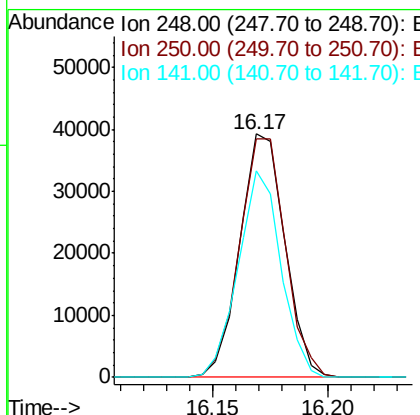
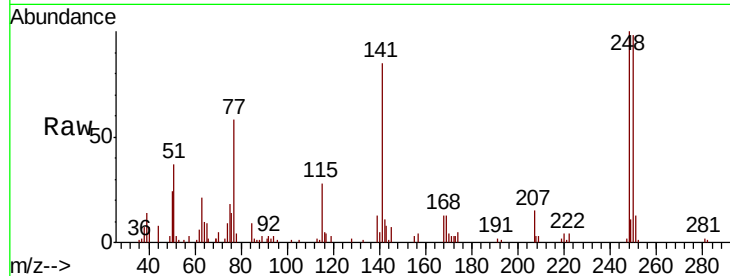




#68  
4-Bromophenyl-phenylether  
Concen: 2.914 ng/ul  
RT: 16.17 min Scan# 2224  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

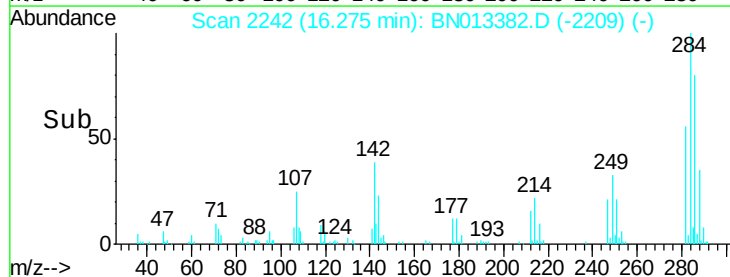
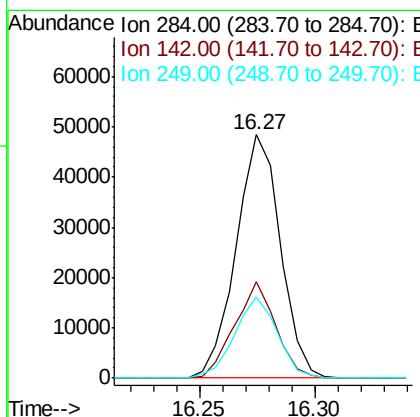
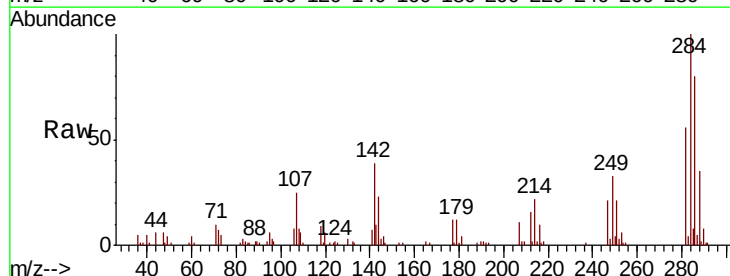
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-ME-SOIL-04

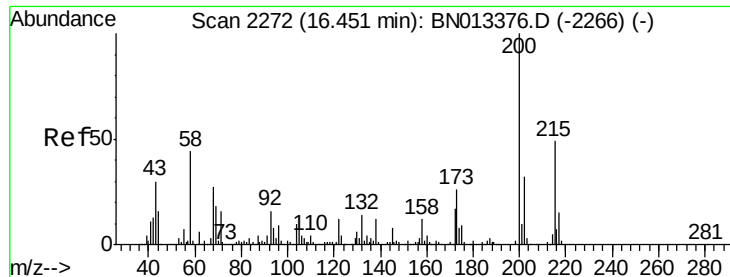
Tot Ion:248 Resp: 53544  
Ion Ratio Lower Upper  
248 100  
250 98.0 75.8 113.6  
141 85.1 64.4 96.6



#69  
Hexachlorobenzene  
Concen: 3.114 ng/ul  
RT: 16.27 min Scan# 2242  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

Tgt Ion:284 Resp: 64857  
Ion Ratio Lower Upper  
284 100  
142 39.5 29.3 43.9  
249 33.5 25.8 38.6

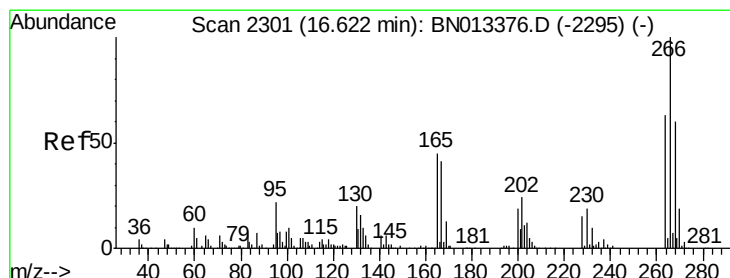
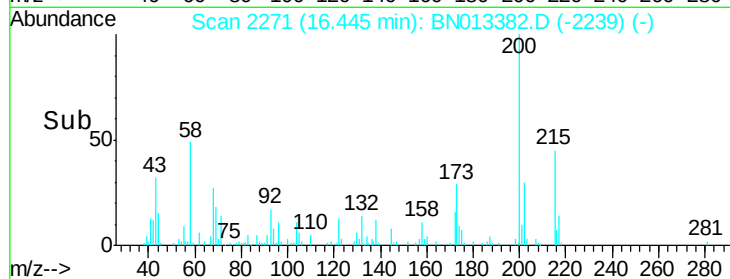
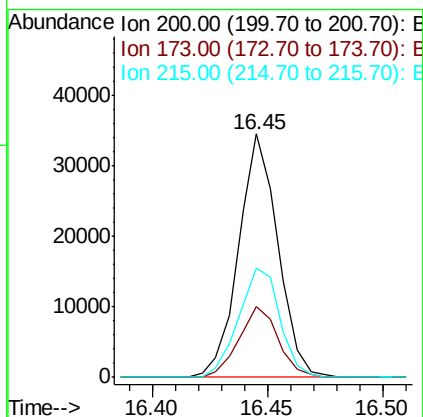
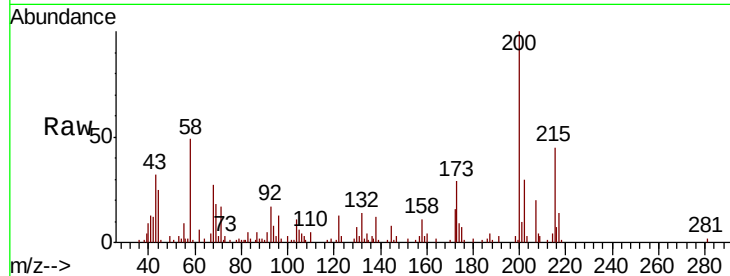




#70  
Atrazine  
Concen: 2.281 ng/ul  
RT: 16.45 min Scan# 2271  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

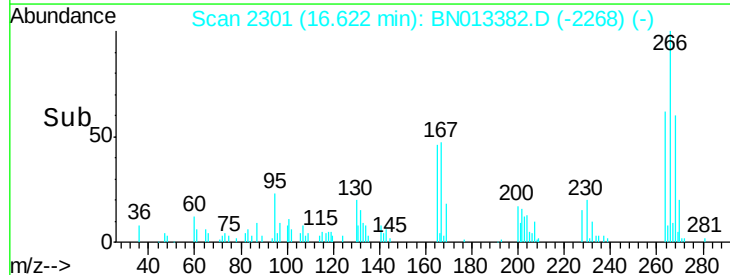
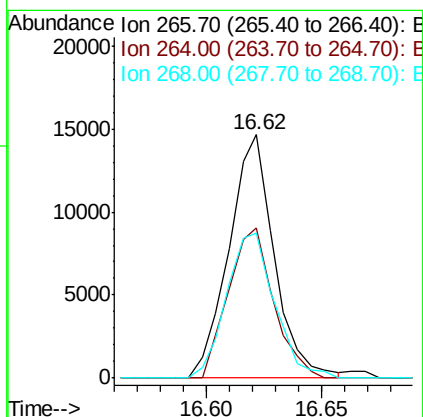
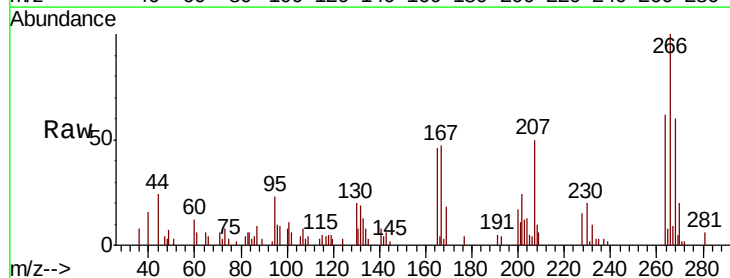
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-ME-SOIL-04

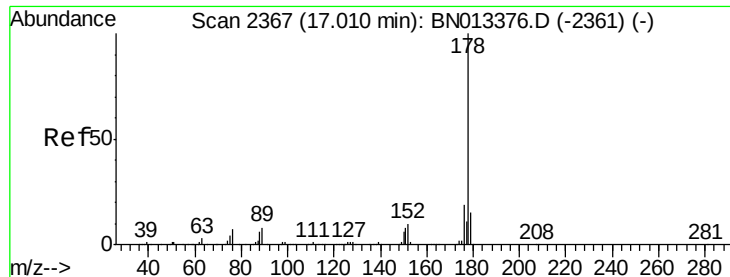
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 28.9  | 21.8  | 32.6  |
| 215     | 44.8  | 38.8  | 58.2  |



#71  
Pentachlorophenol  
Concen: 1.723 ng/ul  
RT: 16.62 min Scan# 2301  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 61.9  | 48.6  | 72.8  |
| 268     | 59.7  | 50.2  | 75.2  |





#72

Phenanthrene

Concen: 3.307 ng/ul

RT: 17.01 min Scan# 2367

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

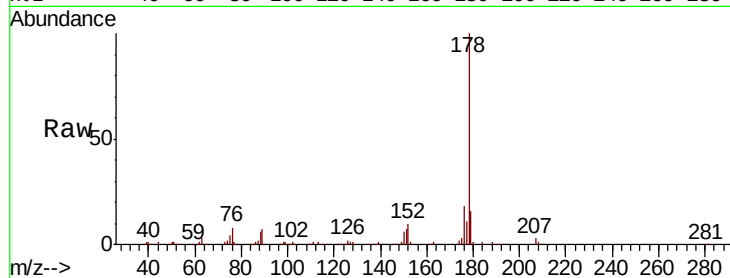
Tot Ion:178 Resp: 320282

Ion Ratio Lower Upper

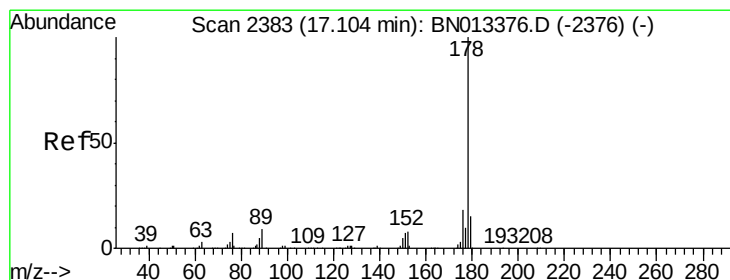
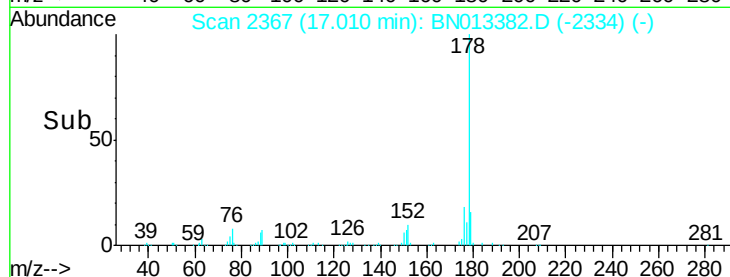
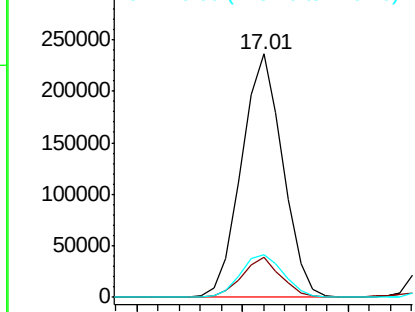
178 100

179 16.4 12.2 18.4

176 17.6 15.3 22.9



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



#74

Anthracene

Concen: 3.285 ng/ul

RT: 17.10 min Scan# 2382

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

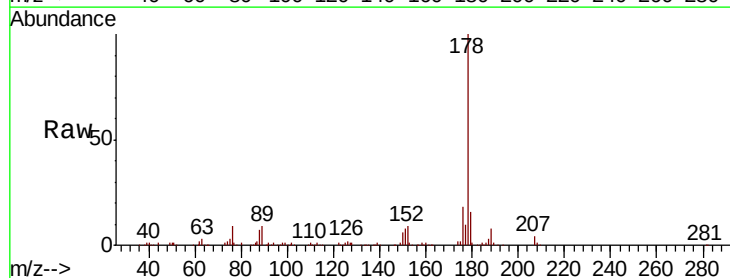
Tgt Ion:178 Resp: 324692

Ion Ratio Lower Upper

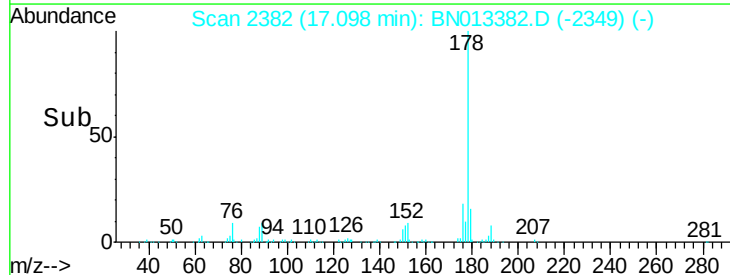
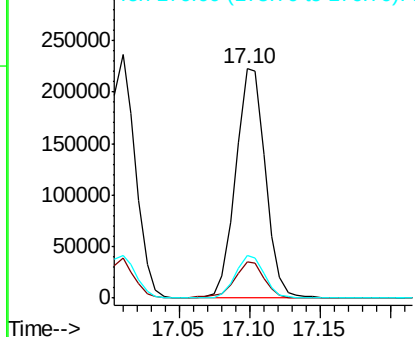
178 100

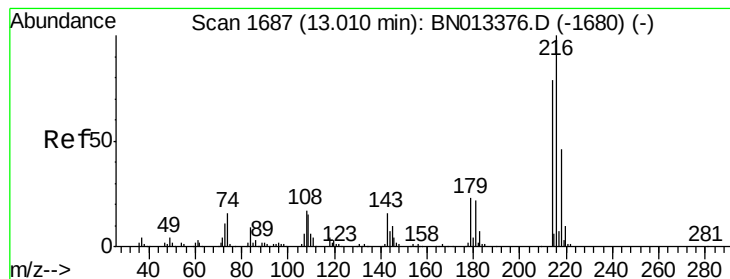
179 15.9 12.1 18.1

176 18.3 14.6 21.8



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





#75

1,2,3,4-Tetrachlorobenzene

Concen: 3.395 ng/uL

RT: 13.01 min Scan# 1687

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

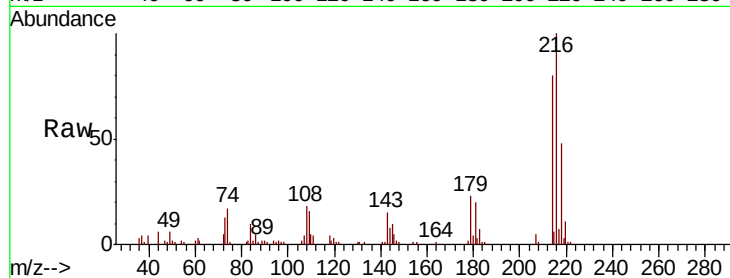
Tot Ion:216 Resp: 82140

Ion Ratio Lower Upper

216 100

214 79.7 59.4 89.0

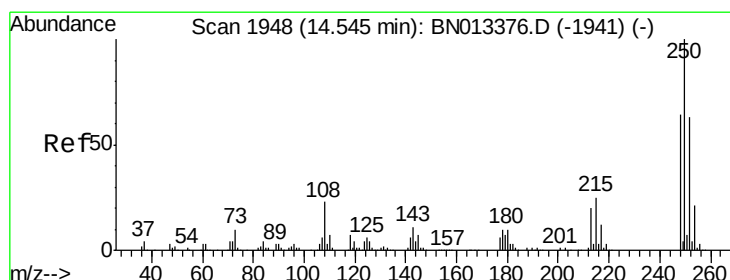
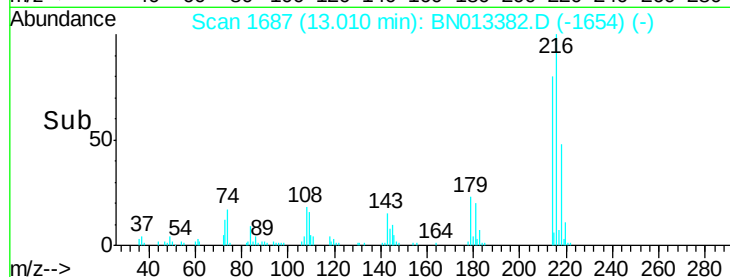
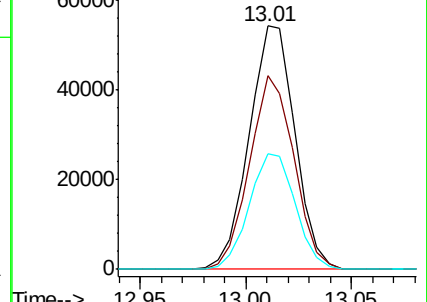
218 47.7 38.1 57.1



Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E



#76

Pentachlorobenzene

Concen: 3.294 ng/uL

RT: 14.55 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

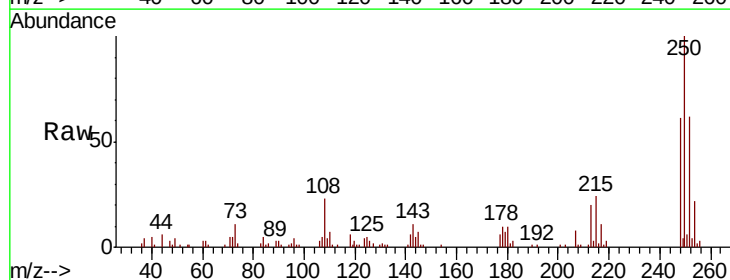
Tgt Ion:250 Resp: 79522

Ion Ratio Lower Upper

250 100

248 60.8 50.6 75.8

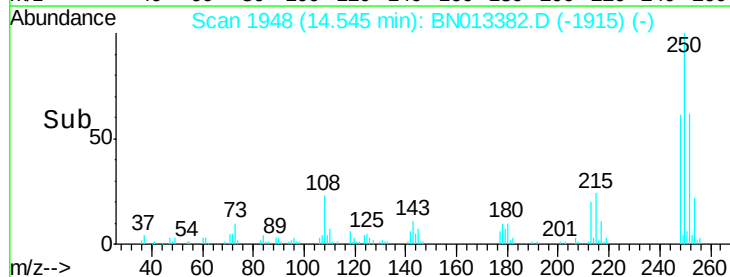
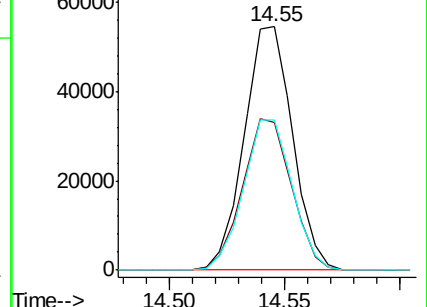
252 61.9 50.8 76.2



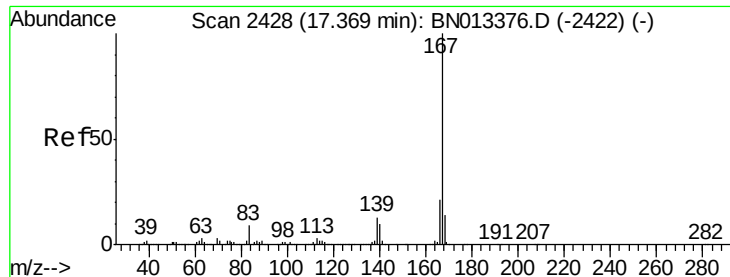
Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E







#77

Carbazole

Concen: 3.010 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

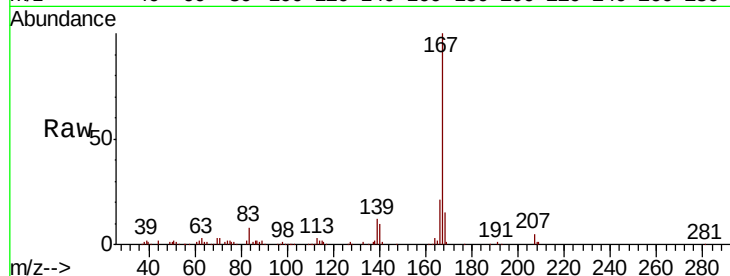
Tot Ion:167 Resp: 241499

Ion Ratio Lower Upper

167 100

166 21.1 17.6 26.4

139 12.4 10.3 15.5

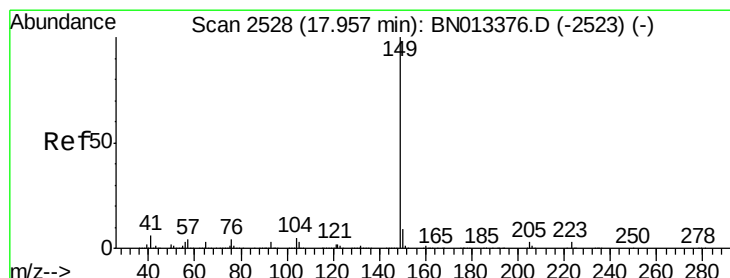
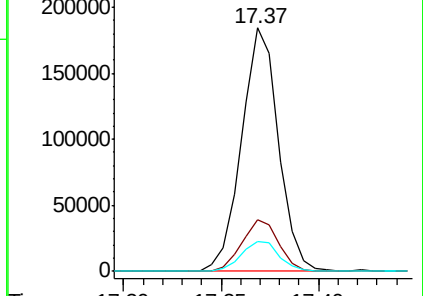
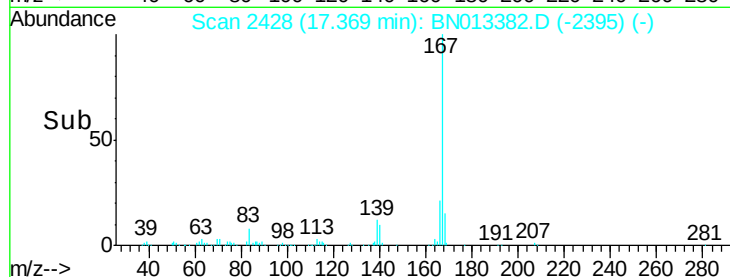


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.37



#78

Di-n-butylphthalate

Concen: 2.061 ng/ul

RT: 17.96 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

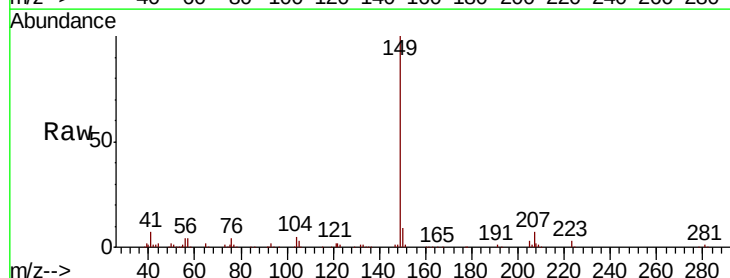
Tgt Ion:149 Resp: 225343

Ion Ratio Lower Upper

149 100

150 8.9 7.2 10.8

104 5.0 3.8 5.6

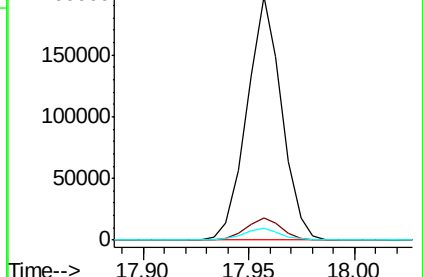
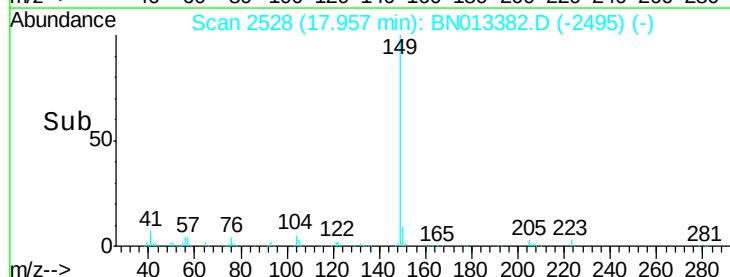


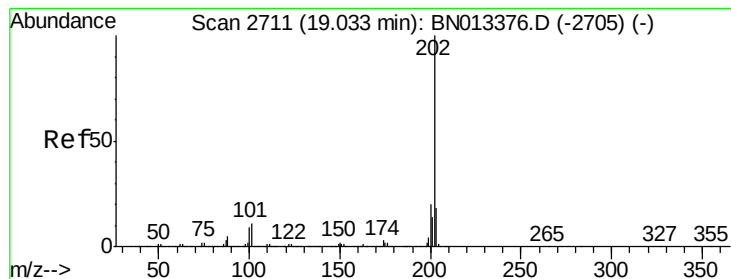
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

17.96





#80

Fluoranthene

Concen: 2.829 ng/ul

RT: 19.03 min Scan# 2711

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

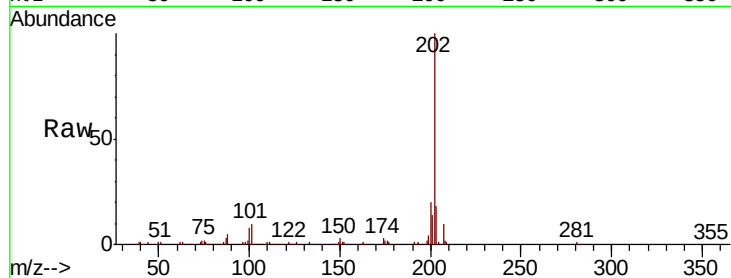
Tot Ion:202 Resp: 328012

Ion Ratio Lower Upper

202 100

101 10.3 9.0 13.6

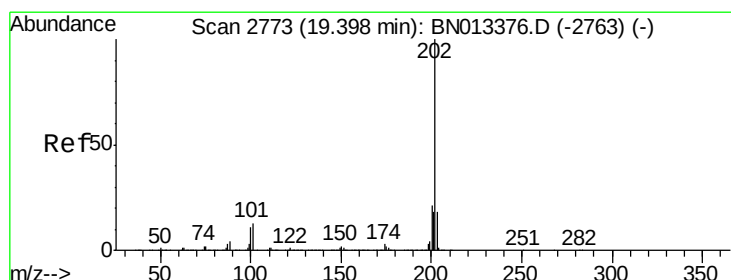
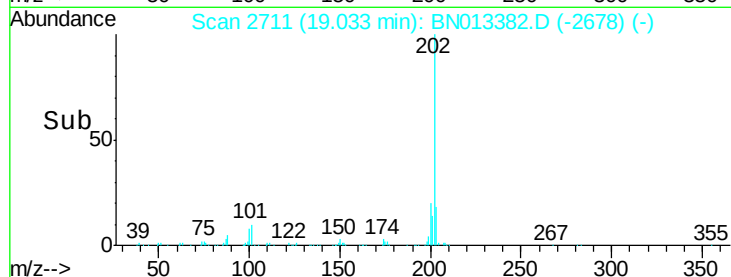
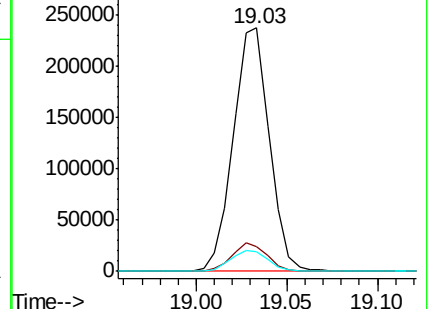
100 8.2 6.8 10.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82

Pyrene

Concen: 3.261 ng/ul

RT: 19.39 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

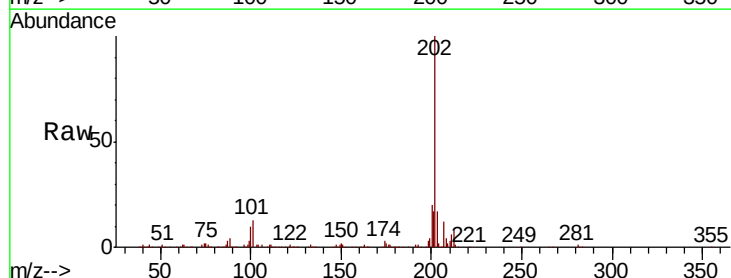
Tgt Ion:202 Resp: 387611

Ion Ratio Lower Upper

202 100

101 12.8 10.9 16.3

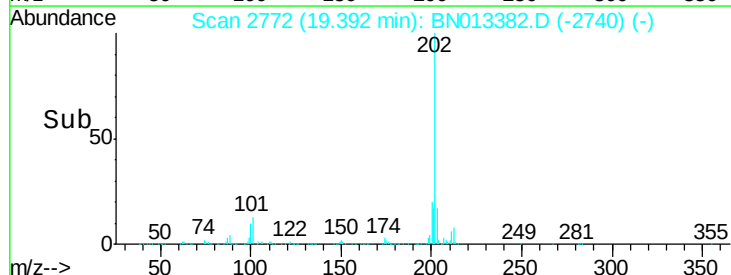
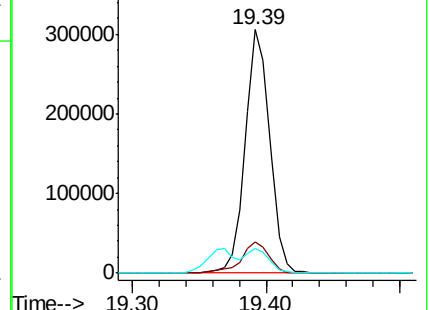
100 10.4 9.2 13.8

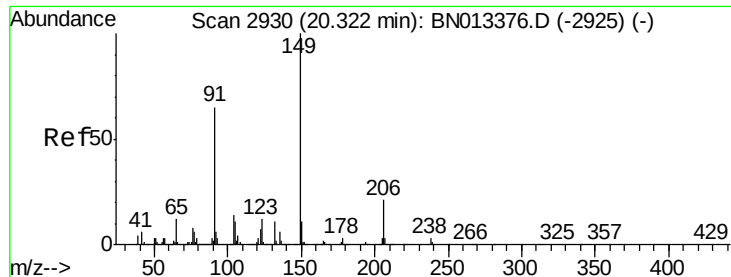


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

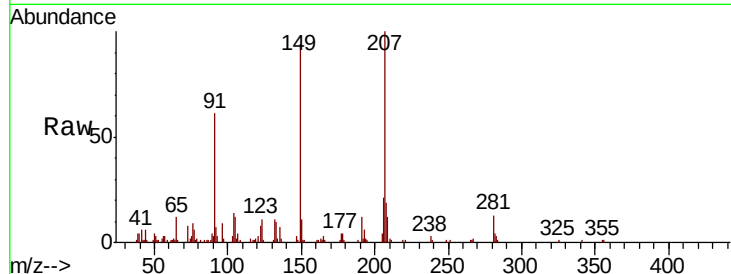




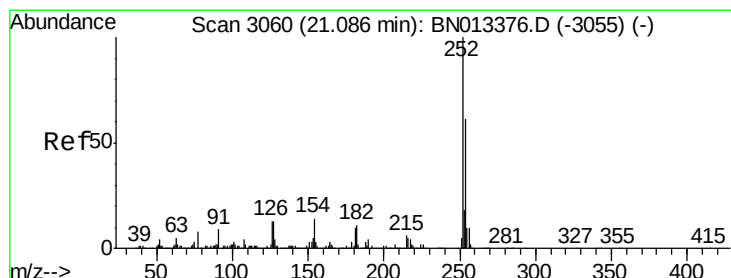
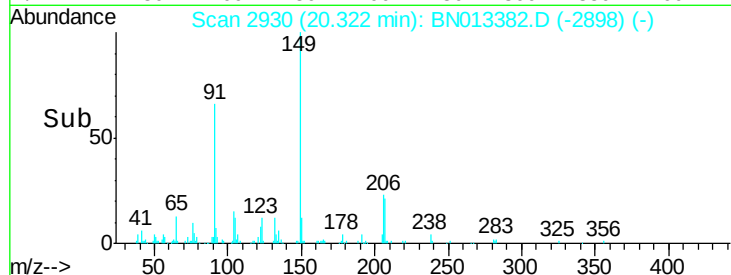
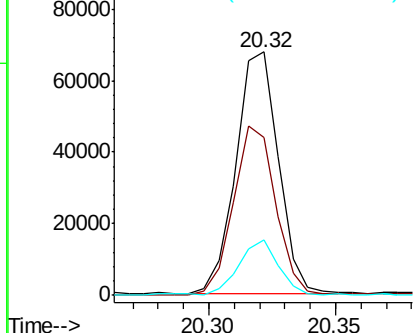
#83  
Butylbenzylphthalate  
Concen: 1.538 ng/ul  
RT: 20.32 min Scan# 2930  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-ME-SOIL-04

Tot Ion:149 Resp: 78578  
Ion Ratio Lower Upper  
149 100  
91 65.0 50.2 75.4  
206 22.7 17.0 25.6

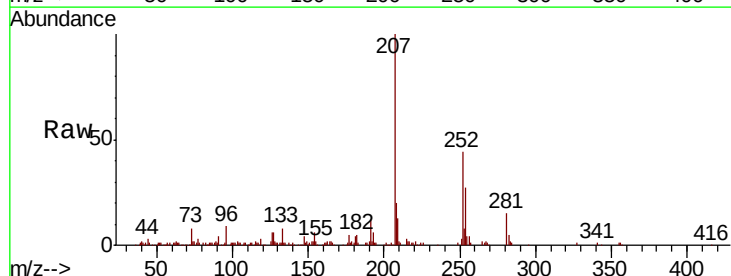


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BNO  
Ion 206.00 (205.70 to 206.70): E

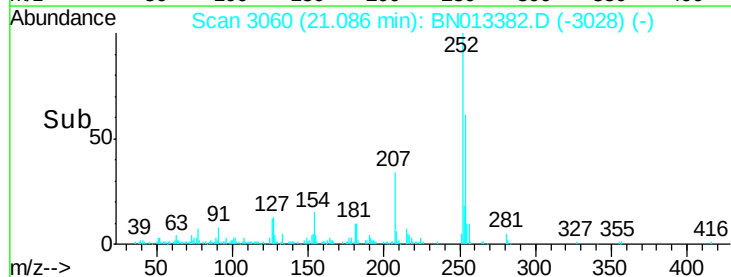
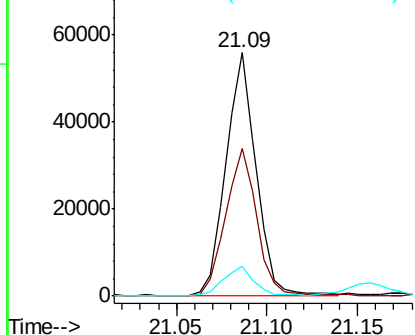


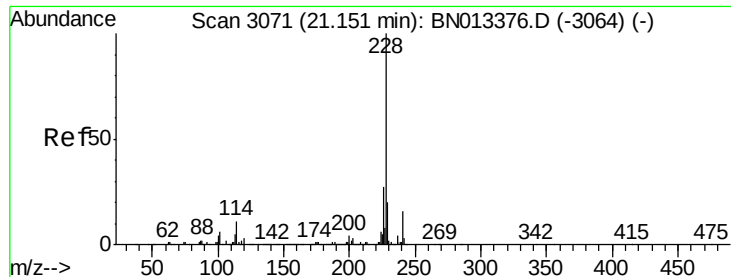
#84  
3,3'-Dichlorobenzidine  
Concen: 2.041 ng/ul  
RT: 21.09 min Scan# 3060  
Delta R.T. -0.01 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

Tgt Ion:252 Resp: 64954  
Ion Ratio Lower Upper  
252 100  
254 60.6 51.7 77.5  
126 12.5 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





#85

Benzo(a)anthracene

Concen: 3.047 ng/ul

RT: 21.15 min Scan# 3070

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

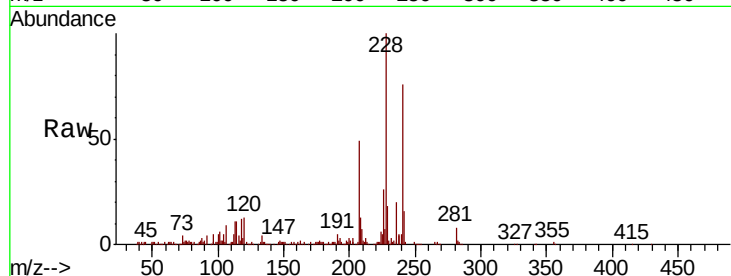
Tot Ion:228 Resp: 338384

Ion Ratio Lower Upper

228 100

229 18.4 15.5 23.3

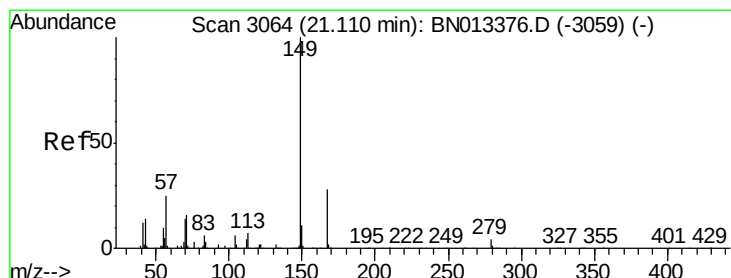
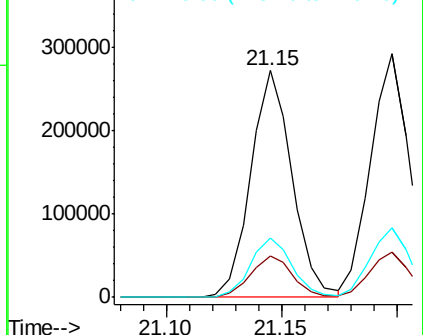
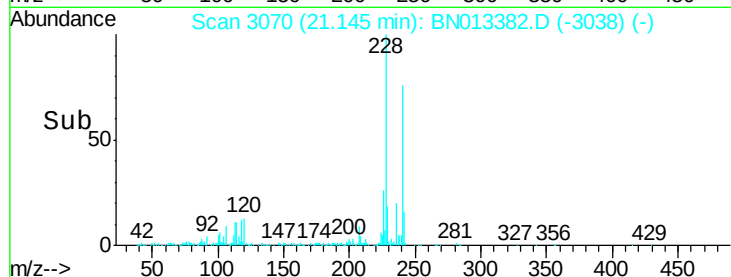
226 26.4 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.616 ng/ul

RT: 21.11 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

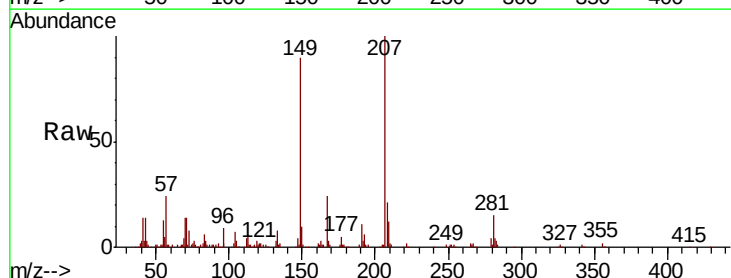
Tgt Ion:149 Resp: 122257

Ion Ratio Lower Upper

149 100

167 27.0 22.0 33.0

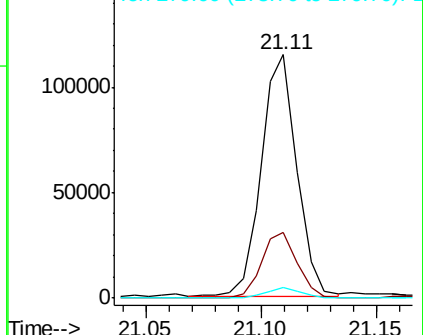
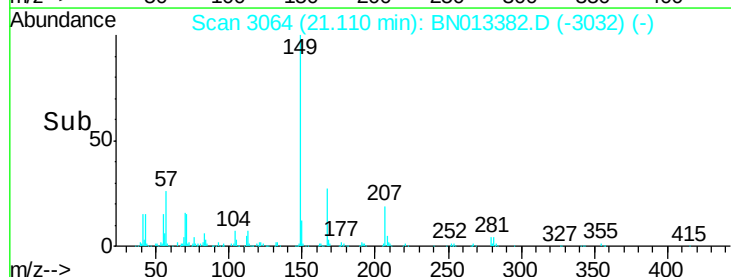
279 4.2 3.2 4.8

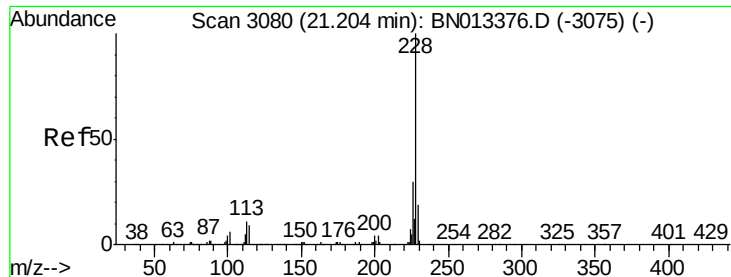


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87

Chrysene

Concen: 3.182 ng/ul

RT: 21.20 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

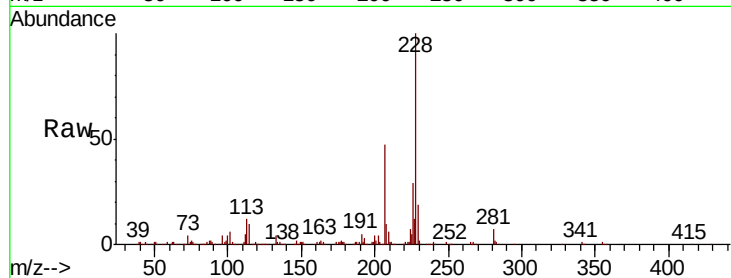
Tot Ion:228 Resp: 346070

Ion Ratio Lower Upper

228 100

226 28.6 23.1 34.7

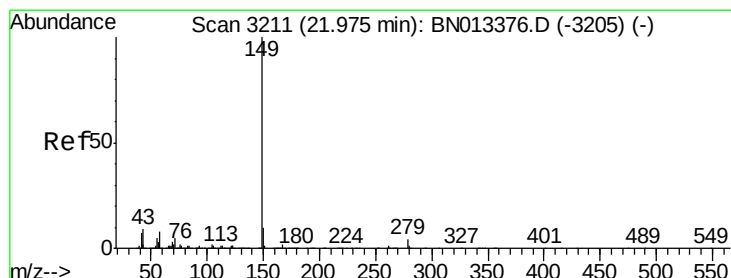
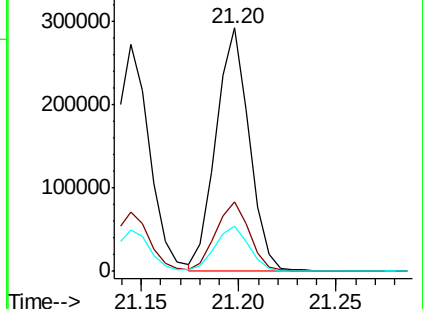
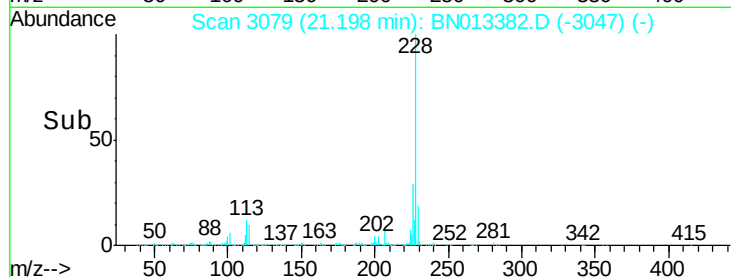
229 18.8 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#89

Di-n-octyl phthalate

Concen: 1.887 ng/ul

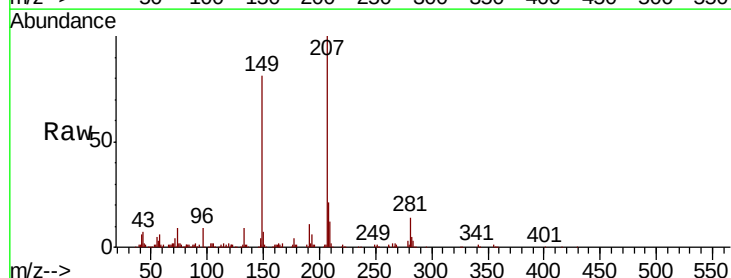
RT: 21.97 min Scan# 3211

Delta R.T. -0.02 min

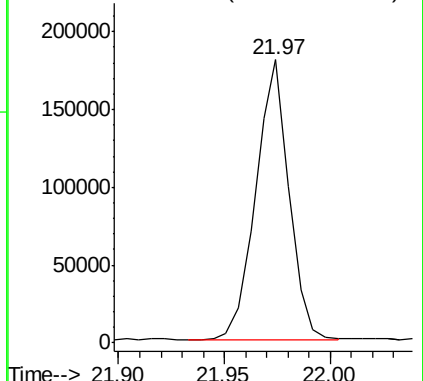
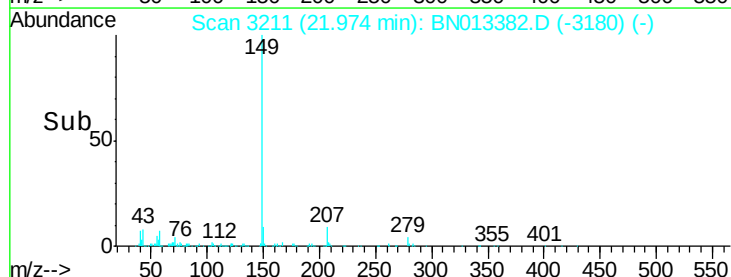
Lab File: BN013382.D

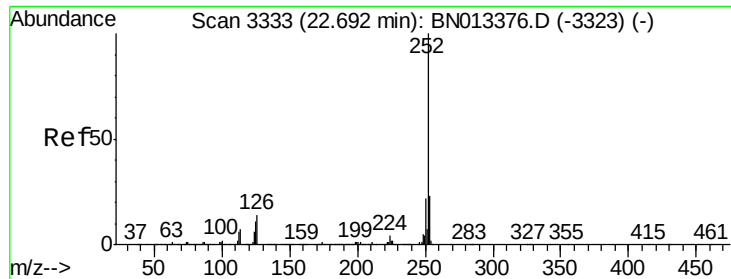
Acq: 11 Jan 2021 13:47

Tgt Ion:149 Resp: 196589



Abundance Ion 149.00 (148.70 to 149.70): E





#90

Benzo(b)fluoranthene

Concen: 3.197 ng/ul

RT: 22.69 min Scan# 3332

Delta R.T. -0.02 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

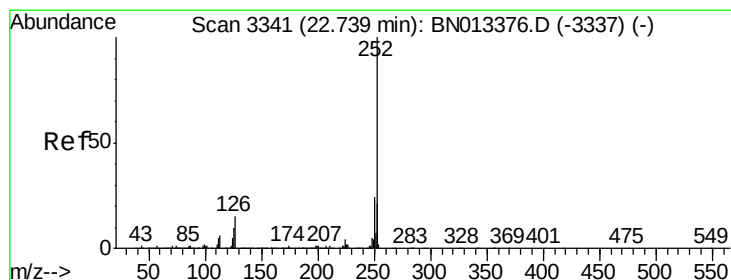
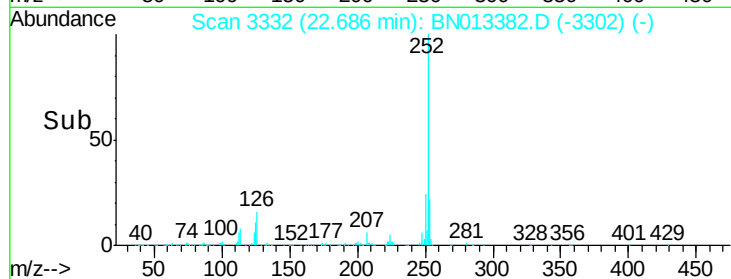
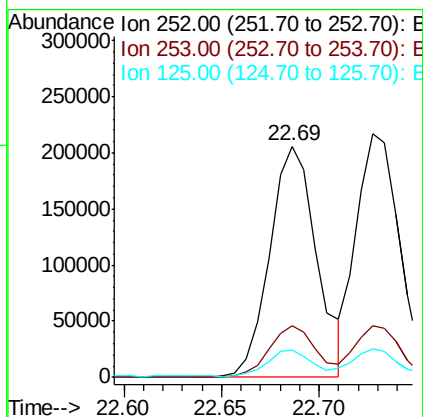
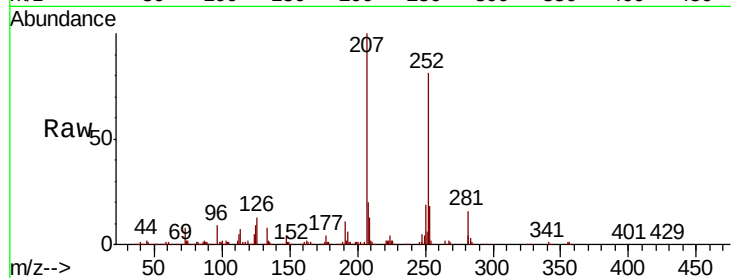
Tot Ion:252 Resp: 341376

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

125 11.7 8.9 13.3



#91

Benzo(k)fluoranthene

Concen: 3.288 ng/ul

RT: 22.73 min Scan# 3339

Delta R.T. -0.02 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

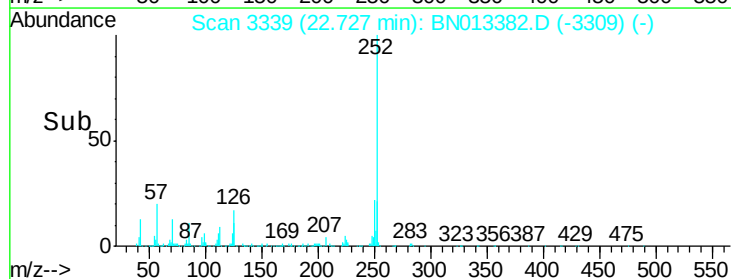
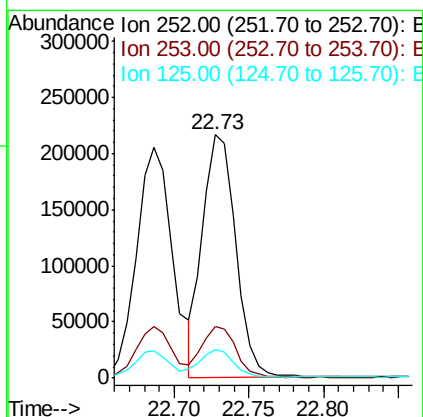
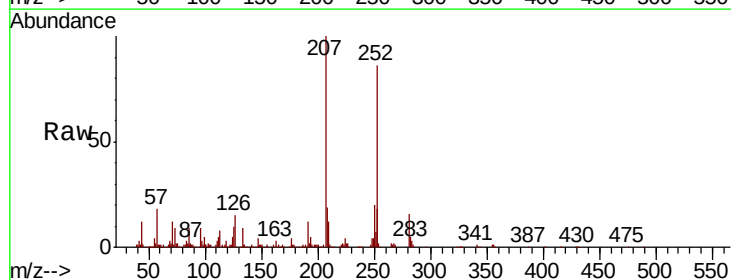
Tgt Ion:252 Resp: 334381

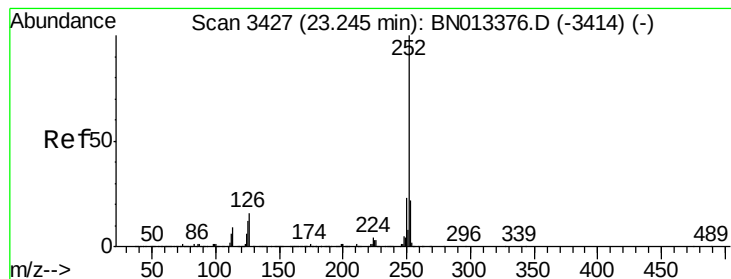
Ion Ratio Lower Upper

252 100

253 21.3 17.0 25.6

125 11.9 9.0 13.6





#93

Benzo(a)pyrene

Concen: 3.323 ng/ul

RT: 23.24 min Scan# 3427

Delta R.T. -0.02 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

Instrument :

BNA\_N

ClientSampleId :

MDL-ME-SOIL-04

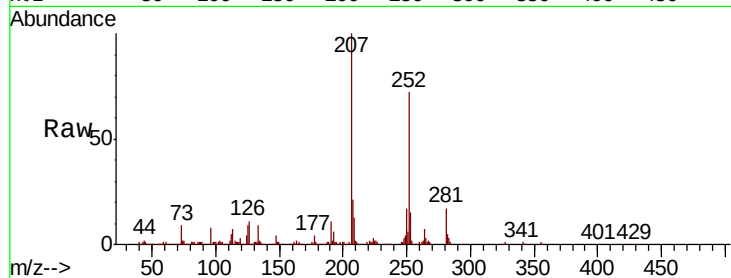
Tot Ion:252 Resp: 321667

Ion Ratio Lower Upper

252 100

253 21.3 17.2 25.8

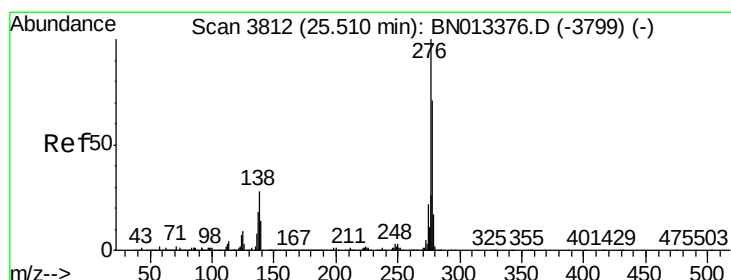
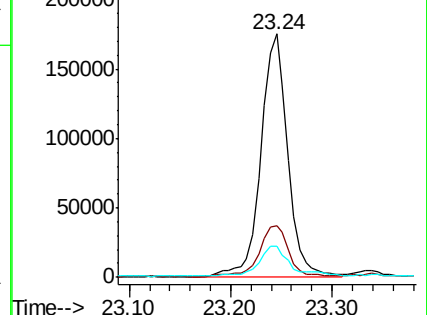
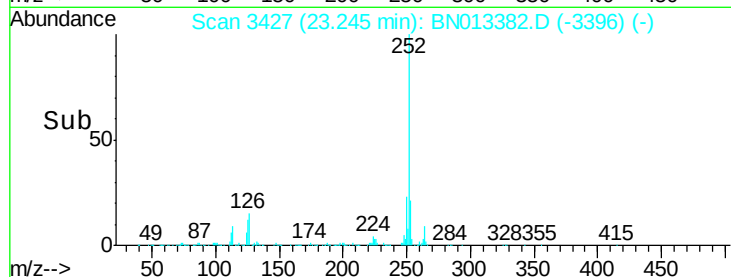
125 12.7 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.216 ng/ul

RT: 25.50 min Scan# 3810

Delta R.T. -0.03 min

Lab File: BN013382.D

Acq: 11 Jan 2021 13:47

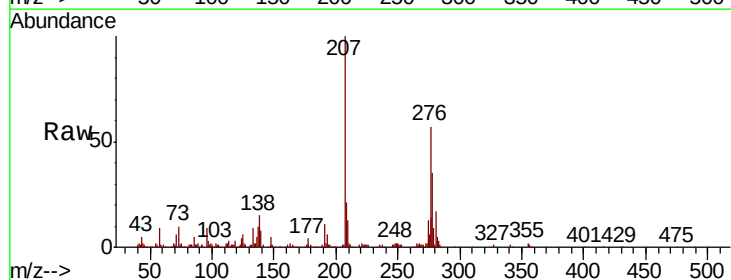
Tgt Ion:276 Resp: 389942

Ion Ratio Lower Upper

276 100

138 26.1 20.2 30.2

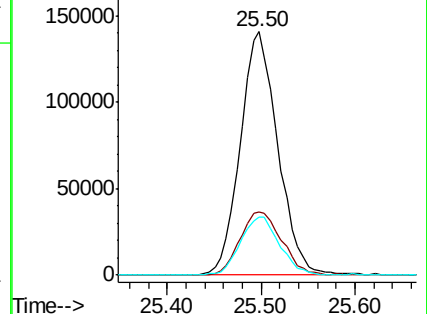
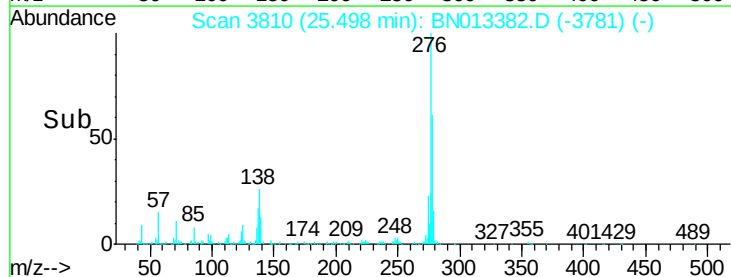
277 23.9 19.0 28.4

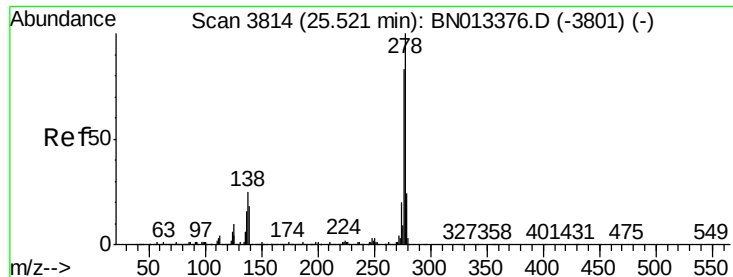


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

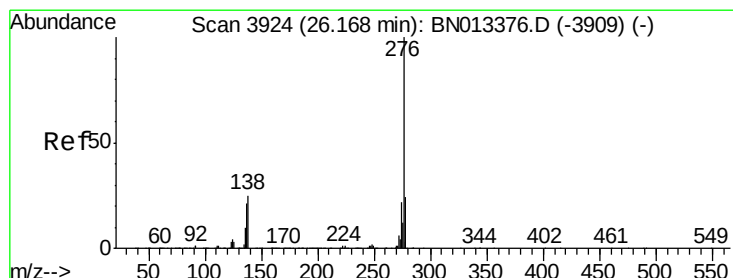
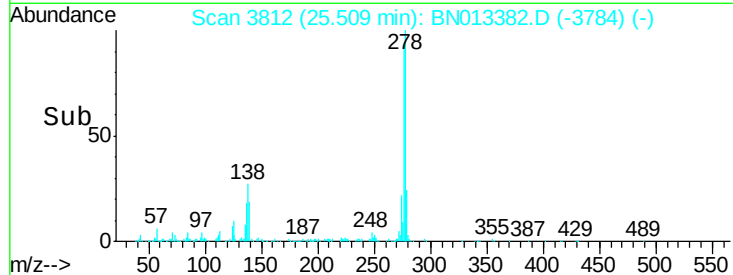
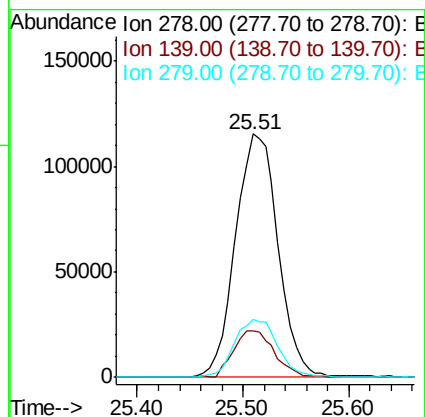
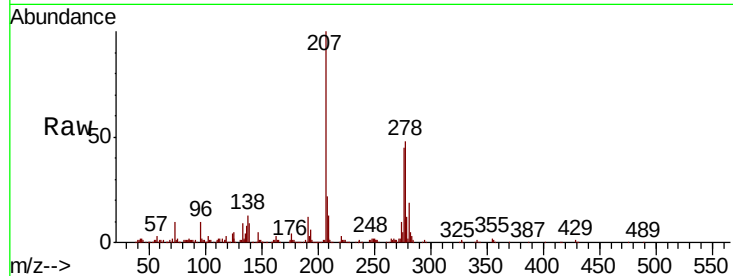




#95  
Dibenzo(a,h)anthracene  
Concen: 3.167 ng/ul  
RT: 25.51 min Scan# 3812  
Delta R.T. -0.04 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-ME-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.9  | 13.8  | 20.6  |
| 279     | 24.0  | 18.4  | 27.6  |



#96  
Benzo(g,h,i)perylene  
Concen: 3.079 ng/ul  
RT: 26.16 min Scan# 3922  
Delta R.T. -0.04 min  
Lab File: BN013382.D  
Acq: 11 Jan 2021 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.1  | 19.4  | 29.0  |
| 277     | 23.5  | 18.2  | 27.4  |

