

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012021\  
 Data File : BN013433.D  
 Acq On : 20 Jan 2021 11:24  
 Operator : CG/JU  
 Sample : L5214-04  
 Misc : SFAM-MDL-S-02  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT1-2021-02

Quant Time: Jan 20 11:53:55 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-BN011521.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 20 09:33:01 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 469392   | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.35 | 136  | 1820253  | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.22 | 164  | 960336   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 16.97 | 188  | 1714180  | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.17 | 240  | 1480950  | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.36 | 264  | 1520308  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.19  | 96  | 42765   | 3.63  | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 3.57  | 84  | 588020  | 19.24 | ng/ul | 0.00 |
| 7) Phenol-d5                   | 6.76  | 99  | 1367166 | 36.21 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 830490  | 37.47 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.12  | 132 | 1186824 | 36.59 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.29  | 113 | 1090539 | 35.96 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 8.73  | 128 | 539636  | 38.28 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 9.44  | 143 | 549620  | 37.39 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 1007312 | 35.49 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 10.49 | 131 | 1435548 | 35.02 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 13.64 | 166 | 2576023 | 35.65 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 13.91 | 160 | 3537371 | 39.05 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 14.42 | 143 | 430384  | 31.12 | ng/ul | 0.00 |
| 60) Fluorene-d10               | 15.22 | 176 | 2201899 | 34.69 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.33 | 200 | 307123  | 30.36 | ng/ul | 0.00 |
| 73) Anthracene-d10             | 17.07 | 188 | 3031920 | 36.41 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.37 | 212 | 3071204 | 36.21 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 23.22 | 264 | 2908863 | 36.10 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Ovalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 15687  | 1.289 | ng/uL 96  |
| 5) Pyridine                    | 3.59  | 79  | 129159 | 4.184 | ng/ul# 84 |
| 6) Benzaldehyde                | 6.74  | 77  | 74511  | 5.230 | ng/ul 93  |
| 8) Phenol                      | 6.79  | 94  | 160615 | 4.127 | ng/ul 95  |
| 10) Bis(2-Chloroethyl)ether    | 7.02  | 93  | 134012 | 4.202 | ng/ul 98  |
| 12) 2-Chlorophenol             | 7.15  | 128 | 140033 | 4.179 | ng/ul 96  |
| 13) 2-Methylphenol             | 8.02  | 108 | 107655 | 3.630 | ng/ul 98  |
| 14) 2,2'-oxybis(1-Chloropropan | 8.12  | 45  | 187361 | 4.209 | ng/ul 98  |
| 16) Acetophenone               | 8.40  | 105 | 178165 | 3.872 | ng/ul 98  |
| 17) N-Nitroso-di-n-propylamine | 8.39  | 70  | 75064  | 3.612 | ng/ul 97  |
| 18) 4-Methylphenol             | 8.35  | 108 | 126559 | 3.964 | ng/ul 97  |
| 19) Hexachloroethane           | 8.65  | 117 | 54604  | 3.970 | ng/ul 99  |
| 22) Nitrobenzene               | 8.77  | 77  | 139846 | 4.372 | ng/ul 97  |
| 23) Isophorone                 | 9.29  | 82  | 188485 | 3.326 | ng/ul 100 |
| 25) 2-Nitrophenol              | 9.47  | 139 | 69540  | 4.217 | ng/ul 95  |
| 26) 2,4-Dimethylphenol         | 9.54  | 107 | 126168 | 3.929 | ng/ul 99  |
| 27) Bis(2-Chloroethoxy)methane | 9.78  | 93  | 156590 | 4.013 | ng/ul 98  |
| 29) 2,4-Dichlorophenol         | 10.00 | 162 | 117595 | 4.140 | ng/ul 95  |
| 30) Naphthalene                | 10.40 | 128 | 433388 | 4.194 | ng/ul 100 |
| 32) 4-Chloroaniline            | 10.51 | 127 | 161671 | 4.089 | ng/ul 99  |
| 33) Hexachlorobutadiene        | 10.69 | 225 | 76337  | 4.114 | ng/ul 97  |
| 34) Caprolactam                | 11.28 | 113 | 18450  | 2.237 | ng/ul 90  |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 20 09:33:01 2021  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 4-Chloro-3-methylphenol    | 11.63 | 107  | 92602    | 3.270 | ng/ul  | 99       |
| 36) 2-Methylnaphthalene        | 12.02 | 142  | 279747   | 4.022 | ng/ul  | 98       |
| 37) 1-Methylnaphthalene        | 12.24 | 142  | 272887   | 4.071 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216  | 134134   | 4.354 | ng/ul  | 93       |
| 40) Hexachlorocyclopentadiene  | 12.37 | 237  | 68488    | 3.602 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol      | 12.64 | 196  | 61802    | 3.305 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol      | 12.70 | 196  | 71775    | 3.526 | ng/ul  | 95       |
| 43) 1,1'-Biphenyl              | 13.05 | 154  | 351702   | 4.349 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene        | 13.08 | 162  | 270467   | 4.243 | ng/ul  | 98       |
| 45) 2-Nitroaniline             | 13.29 | 65   | 45418    | 3.171 | ng/ul  | 94       |
| 47) Dimethylphthalate          | 13.68 | 163  | 294924   | 3.958 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene         | 13.80 | 165  | 44600    | 3.124 | ng/ul  | 97       |
| 50) Acenaphthylene             | 13.94 | 152  | 389307   | 4.159 | ng/ul  | 99       |
| 51) 3-Nitroaniline             | 14.12 | 138  | 41012    | 3.095 | ng/ul  | 98       |
| 52) Acenaphthene               | 14.28 | 153  | 276022   | 4.134 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol          | 14.33 | 184  | 14913    | 1.866 | ng/ul  | 94       |
| 55) 4-Nitrophenol              | 14.43 | 109  | 37072    | 3.737 | ng/ul  | 93       |
| 56) Dibenzofuran               | 14.62 | 168  | 374527   | 4.139 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene         | 14.59 | 165  | 66161    | 3.260 | ng/ul  | 94       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.85 | 232  | 50956    | 3.102 | ng/ul  | 98       |
| 59) Diethylphthalate           | 15.06 | 149  | 253257   | 3.485 | ng/ul  | 98       |
| 61) Fluorene                   | 15.27 | 166  | 300813   | 4.170 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenylether | 15.27 | 204  | 146402   | 4.158 | ng/ul  | 97       |
| 63) 4-Nitroaniline             | 15.29 | 138  | 38135    | 3.234 | ng/ul  | 90       |
| 66) 4,6-Dinitro-2-methylphenol | 15.35 | 198  | 40437    | 3.687 | ng/ul# | 87       |
| 67) N-Nitrosodiphenylamine     | 15.49 | 169  | 233759   | 4.212 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether  | 16.17 | 248  | 75745    | 3.912 | ng/ul  | 95       |
| 69) Hexachlorobenzene          | 16.27 | 284  | 92207    | 4.212 | ng/ul  | 97       |
| 70) Atrazine                   | 16.45 | 200  | 58107    | 3.136 | ng/ul  | 95       |
| 71) Pentachlorophenol          | 16.62 | 266  | 29664    | 2.396 | ng/ul  | 97       |
| 72) Phenanthrene               | 17.01 | 178  | 432157   | 4.193 | ng/ul  | 98       |
| 74) Anthracene                 | 17.10 | 178  | 433211   | 4.169 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.00 | 216  | 131569   | 4.755 | ng/uL  | 96       |
| 76) Pentachlorobenzene         | 14.54 | 250  | 118280   | 4.391 | ng/uL  | 97       |
| 77) Carbazole                  | 17.37 | 167  | 333439   | 3.904 | ng/ul  | 98       |
| 78) Di-n-butylphthalate        | 17.96 | 149  | 289854   | 2.841 | ng/ul  | 99       |
| 80) Fluoranthene               | 19.03 | 202  | 411921   | 3.737 | ng/ul  | 99       |
| 82) Pyrene                     | 19.40 | 202  | 471672   | 4.152 | ng/ul  | 98       |
| 83) Butylbenzylphthalate       | 20.33 | 149  | 96604    | 2.422 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine     | 21.10 | 252  | 64529    | 2.325 | ng/ul  | 94       |
| 85) Benzo(a)anthracene         | 21.16 | 228  | 388257   | 3.937 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phthalate | 21.12 | 149  | 145481   | 2.530 | ng/ul  | 100      |
| 87) Chrysene                   | 21.20 | 228  | 411912   | 4.239 | ng/ul  | 98       |
| 89) Di-n-octyl phthalate       | 21.98 | 149  | 227834   | 2.296 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene       | 22.70 | 252  | 390953   | 3.811 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene       | 22.74 | 252  | 413552   | 4.097 | ng/ul  | 99       |
| 93) Benzo(a)pyrene             | 23.26 | 252  | 385488   | 4.204 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene     | 25.52 | 276  | 482358   | 4.659 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene     | 25.54 | 278  | 395296   | 4.567 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene       | 26.19 | 276  | 385712   | 4.440 | ng/ul  | 97       |

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ALS Vial : 6 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 20 09:33:01 2021  
Response via : Initial Calibration

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

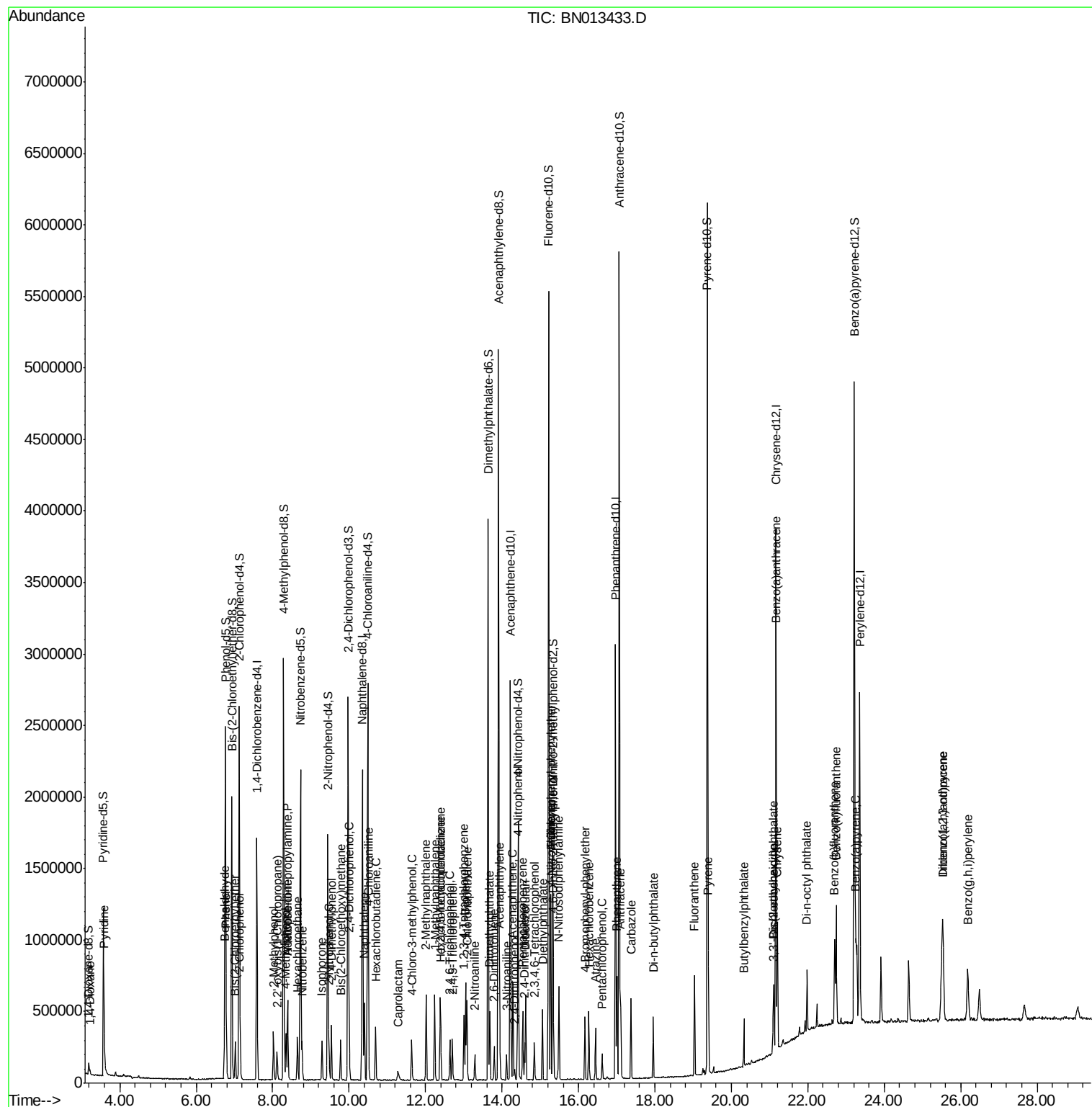
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|-------|--|--|--|--|--|--|
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| ----- |  |  |  |  |  |  |

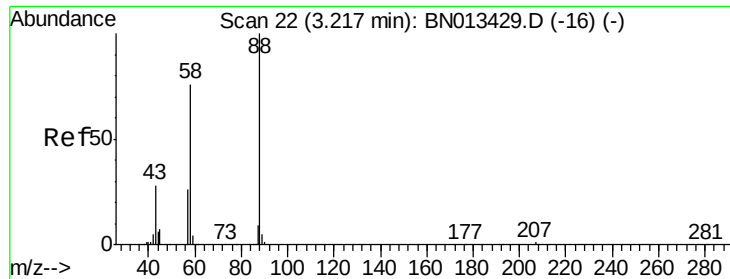
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.289 ng/uL

RT: 3.22 min Scan# 23

Delta R.T. 0.01 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

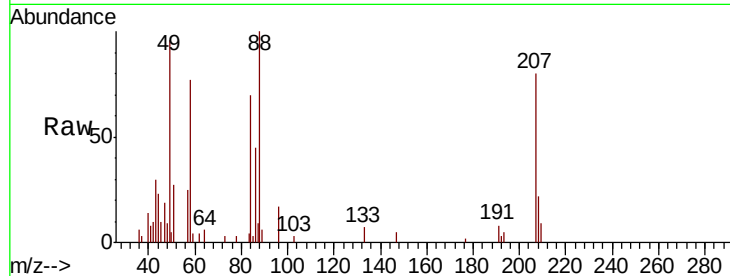
Tot Ion: 88 Resp: 15687

Ion Ratio Lower Upper

88 100

43 29.5 21.4 32.2

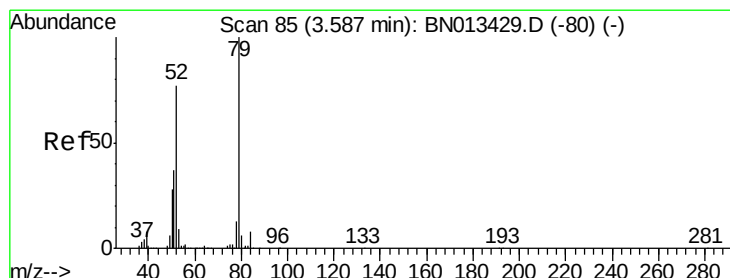
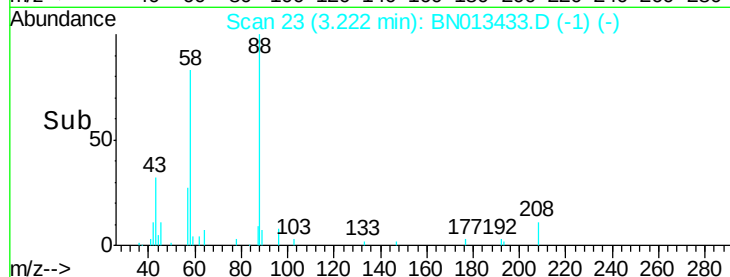
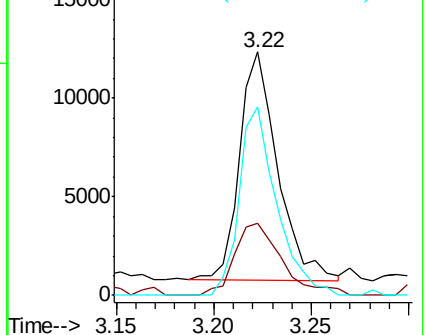
58 77.3 59.5 89.3



Abundance Ion 88.00 (87.70 to 88.70): BN013433.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BN013433.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BN013433.D (-1) (-)



#5

Pyridine

Concen: 4.184 ng/uL

RT: 3.59 min Scan# 86

Delta R.T. 0.01 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

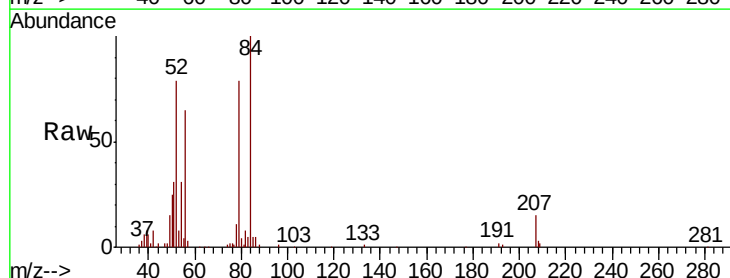
Tgt Ion: 79 Resp: 129159

Ion Ratio Lower Upper

79 100

52 100.3 64.6 97.0#

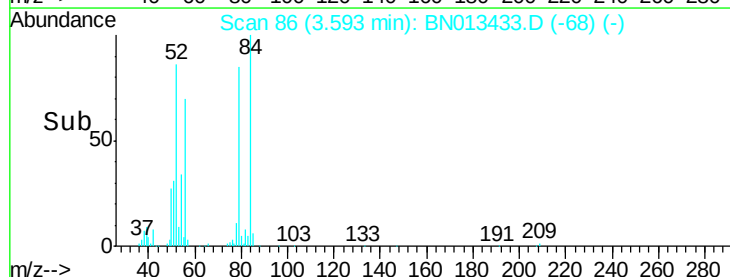
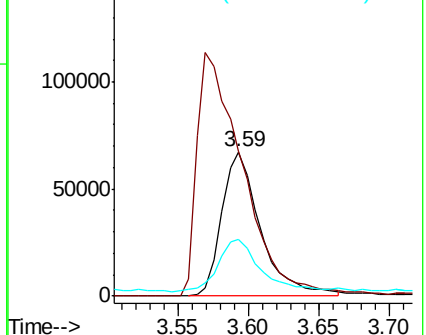
51 39.5 29.9 44.9

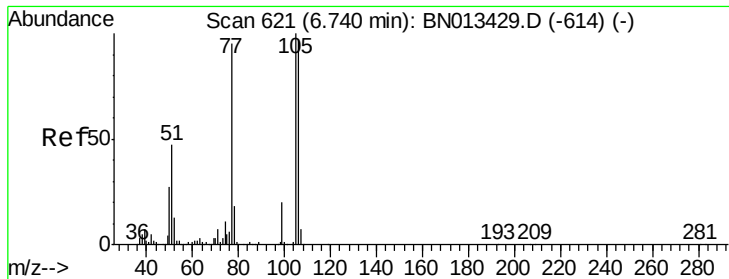


Abundance Ion 79.00 (78.70 to 79.70): BN013433.D (-68) (-)

Ion 52.00 (51.70 to 52.70): BN013433.D (-68) (-)

Ion 51.00 (50.70 to 51.70): BN013433.D (-68) (-)





#6

Benzaldehyde

Concen: 5.230 ng/ul

RT: 6.74 min Scan# 621

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

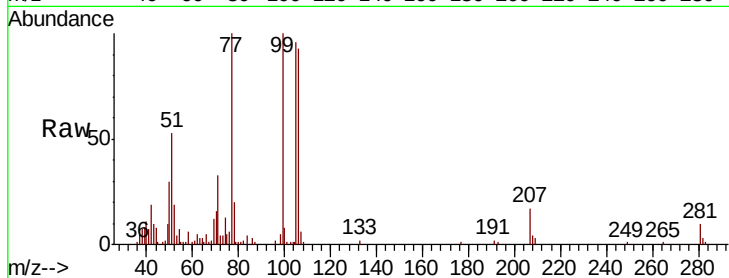
Tot Ion: 77 Resp: 74511

Ion Ratio Lower Upper

77 100

105 96.0 83.6 125.4

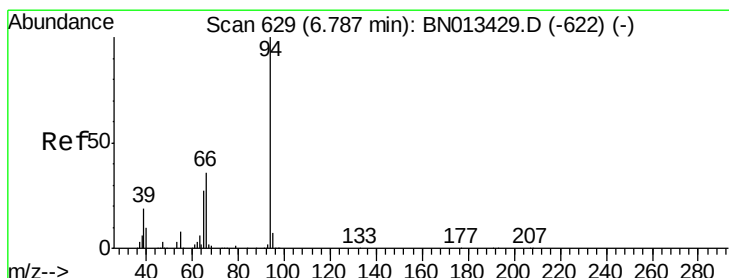
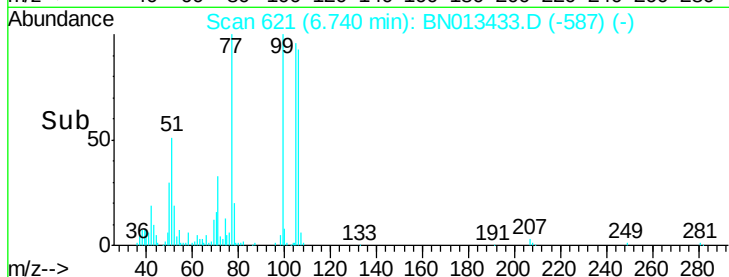
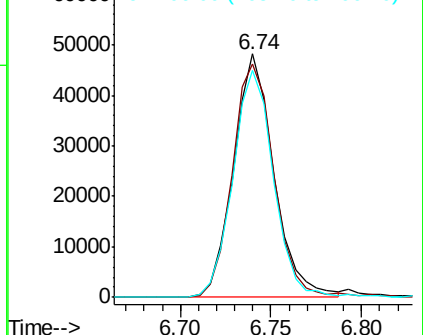
106 93.5 79.1 118.7



Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 105.00 (104.70 to 105.70): BN0

Ion 106.00 (105.70 to 106.70): BN0



#8

Phenol

Concen: 4.127 ng/ul

RT: 6.79 min Scan# 629

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

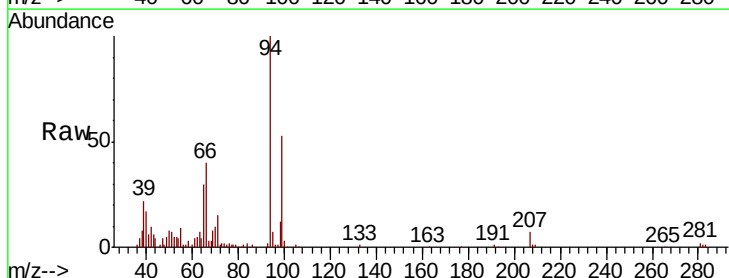
Tgt Ion: 94 Resp: 160615

Ion Ratio Lower Upper

94 100

65 29.8 22.0 33.0

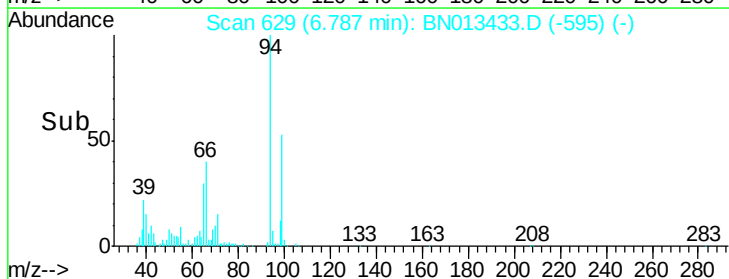
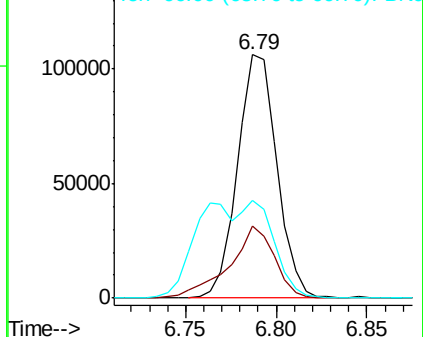
66 40.2 29.5 44.3

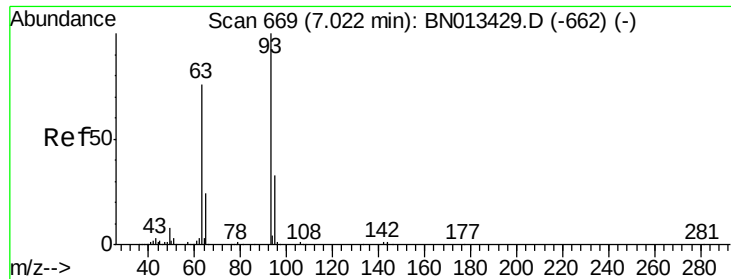


Abundance Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0

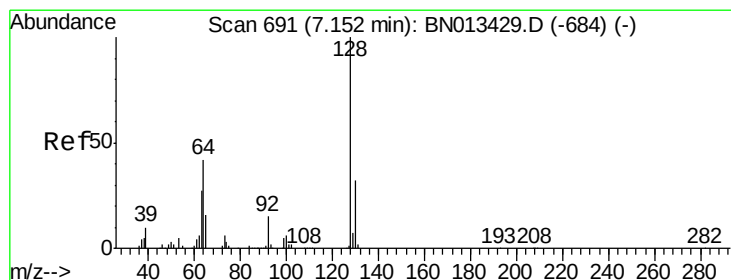
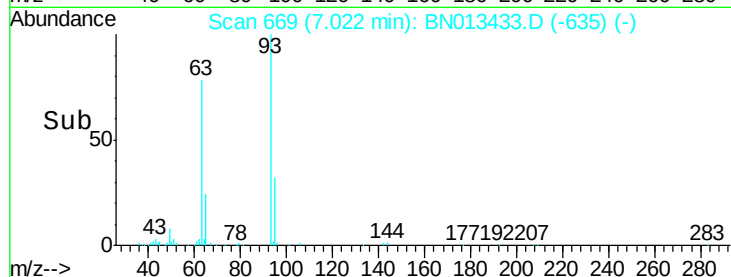
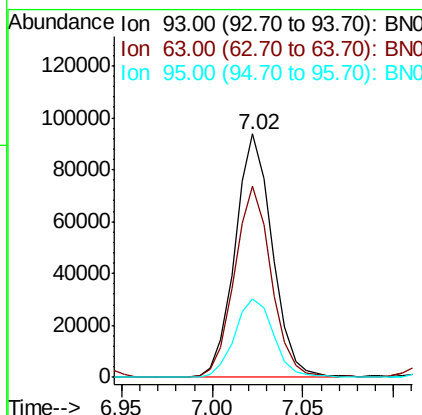
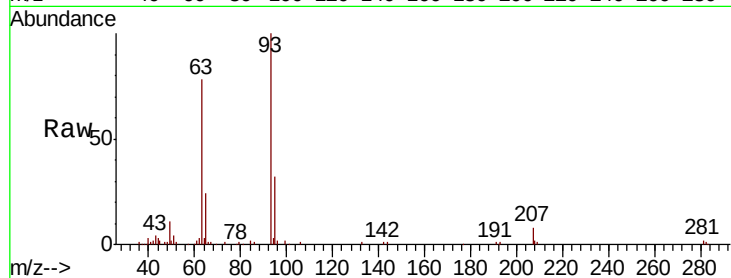




#10  
Bis(2-Chloroethyl)ether  
Concen: 4.202 ng/ul  
RT: 7.02 min Scan# 669  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

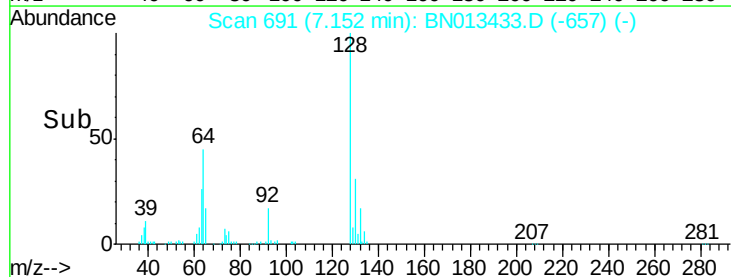
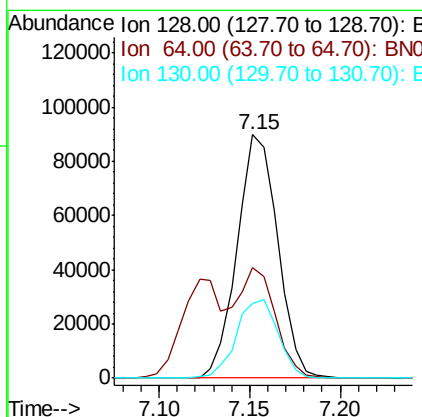
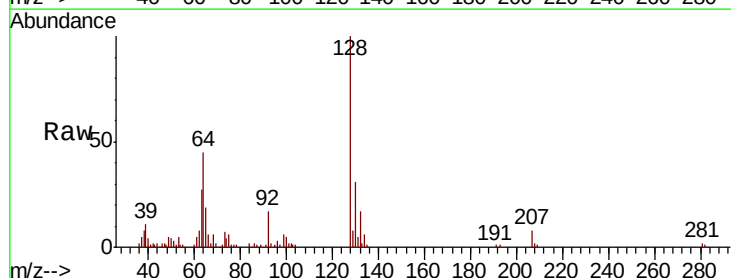
Instrument :  
BNA\_N  
ClientSampleId :  
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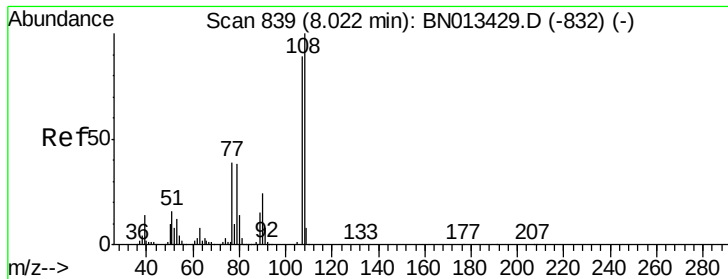
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 78.3  | 60.4  | 90.6  |
| 95      | 32.2  | 26.0  | 39.0  |



#12  
2-Chlorophenol  
Concen: 4.179 ng/ul  
RT: 7.15 min Scan# 691  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 64      | 45.5  | 33.7  | 50.5  |
| 130     | 30.7  | 25.6  | 38.4  |

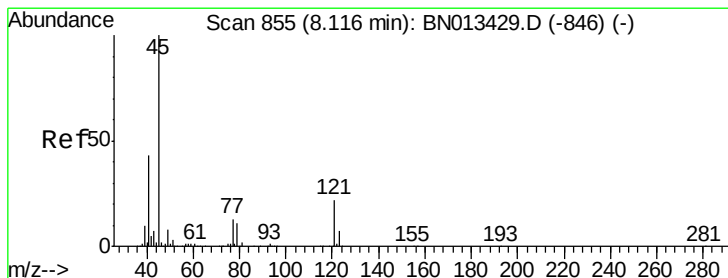
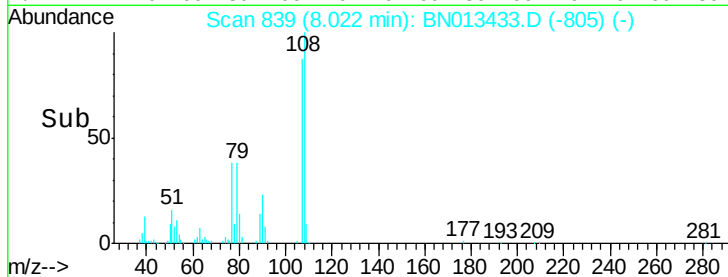
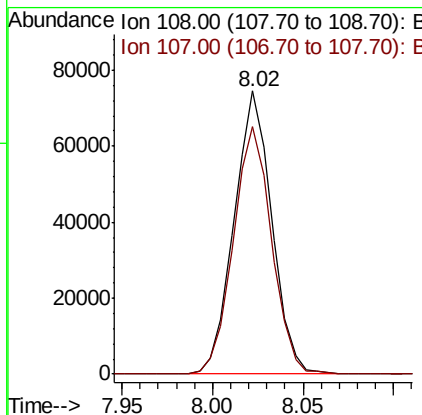
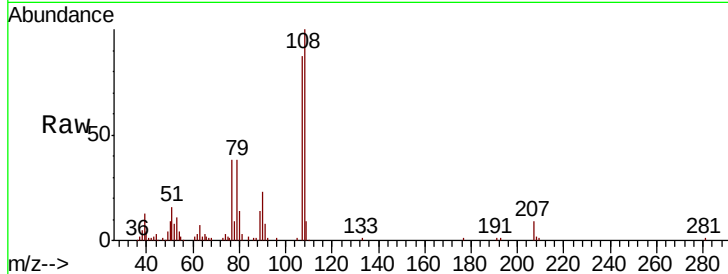




#13  
2-Methylphenol  
Concen: 3.630 ng/ul  
RT: 8.02 min Scan# 839  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

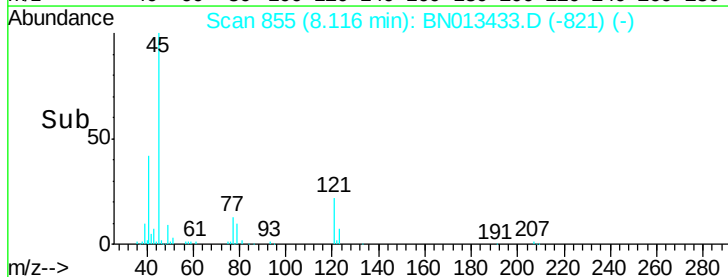
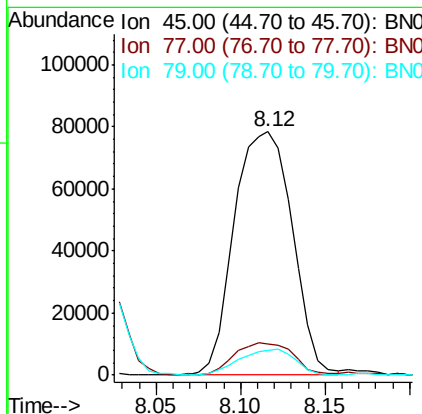
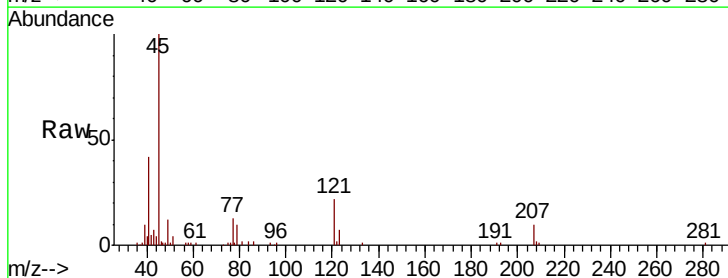
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

Tot Ion:108 Resp: 107655  
Ion Ratio Lower Upper  
108 100  
107 87.4 71.4 107.2

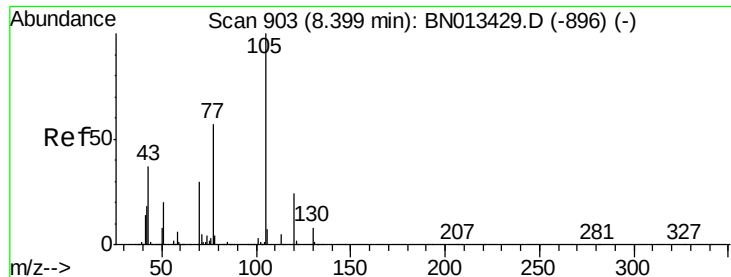


#14  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.209 ng/ul  
RT: 8.12 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Tgt Ion: 45 Resp: 187361  
Ion Ratio Lower Upper  
45 100  
77 12.6 10.5 15.7  
79 10.0 8.9 13.3







#16

Acetophenone

Concen: 3.872 ng/ul

RT: 8.40 min Scan# 903

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

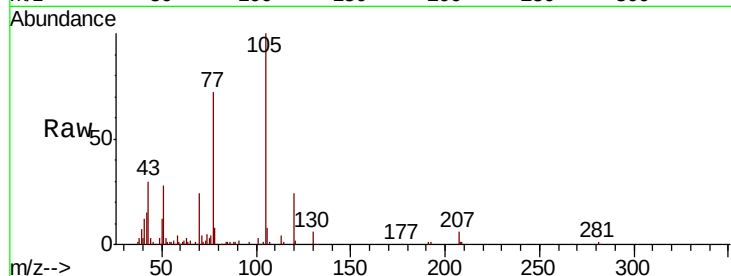
Tot Ion:105 Resp: 178165

Ion Ratio Lower Upper

105 100

77 72.0 58.6 87.8

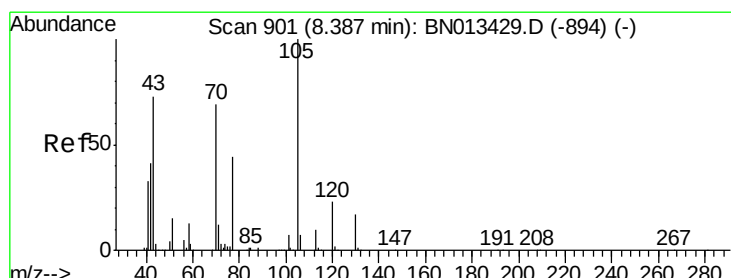
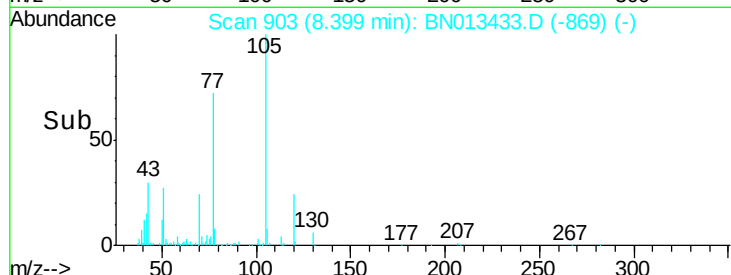
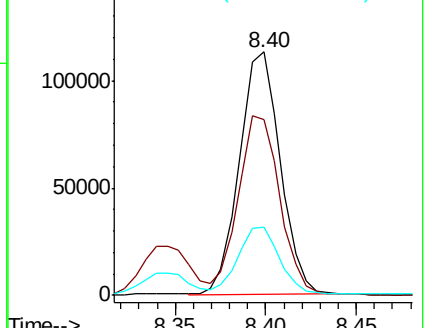
51 27.9 21.3 31.9



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



#17

N-Nitroso-di-n-propylamine

Concen: 3.612 ng/ul

RT: 8.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Tgt Ion: 70 Resp: 75064

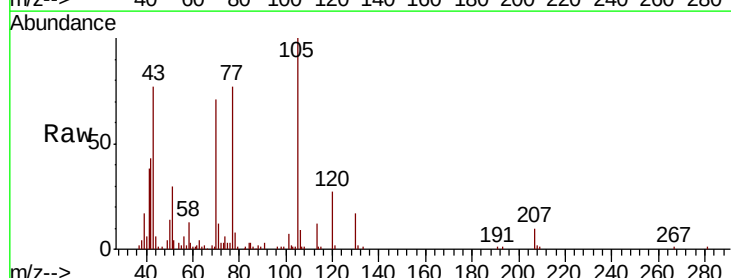
Ion Ratio Lower Upper

70 100

42 60.9 50.1 75.1

101 9.3 8.2 12.2

130 23.2 20.2 30.2

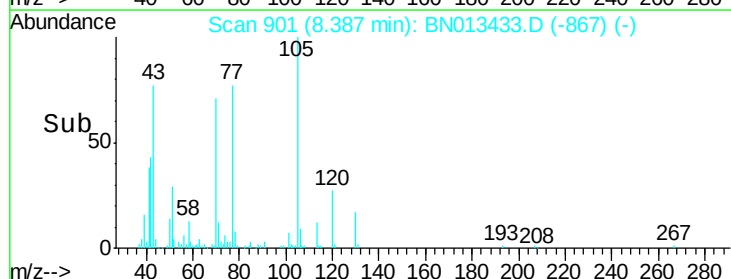
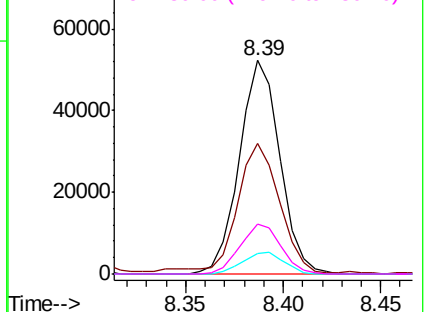


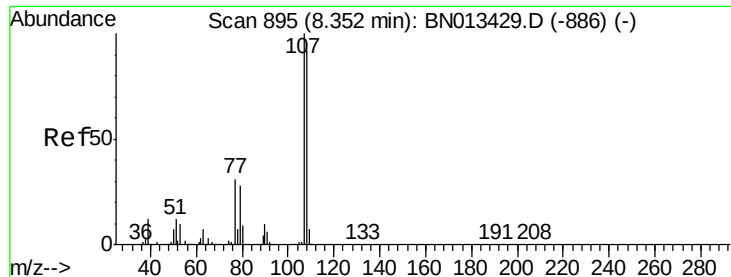
Abundance Ion 70.00 (69.70 to 70.70): BNC

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

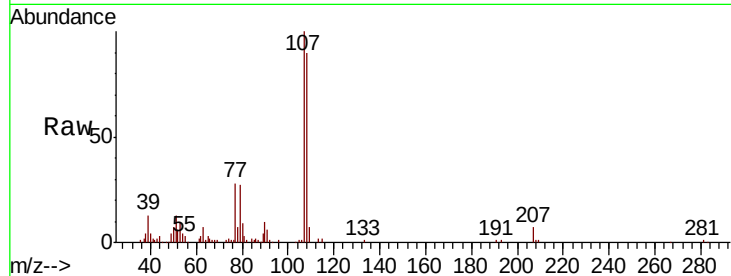




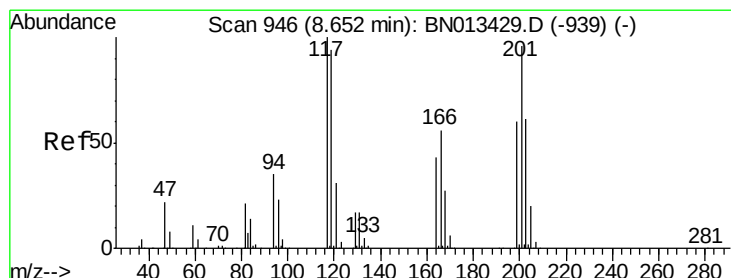
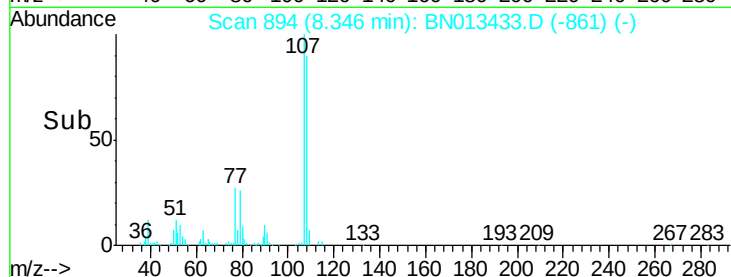
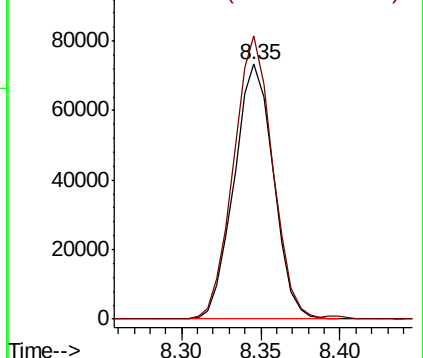
#18  
4-Methylphenol  
Concen: 3.964 ng/ul  
RT: 8.35 min Scan# 894  
Delta R.T. -0.01 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

Tot Ion:108 Resp: 126559  
Ion Ratio Lower Upper  
108 100  
107 110.9 91.4 137.0

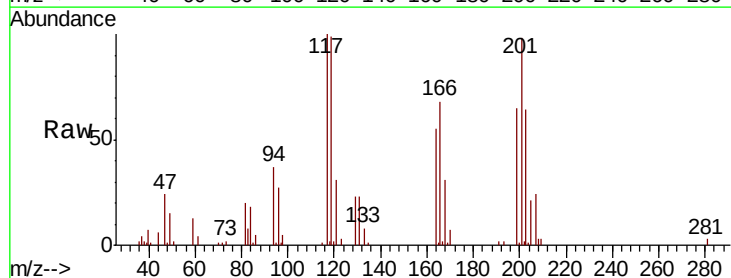


Abundance Ion 108.00 (107.70 to 108.70): E  
Ion 107.00 (106.70 to 107.70): E

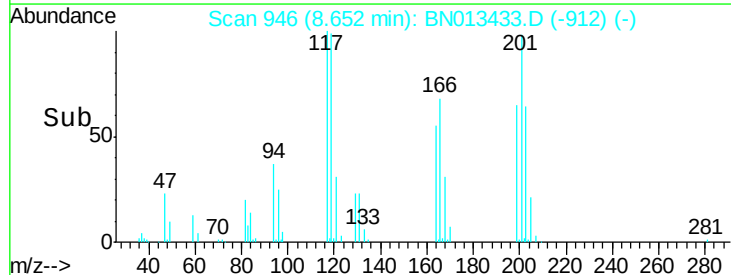
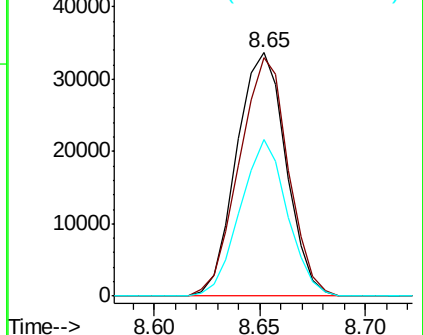


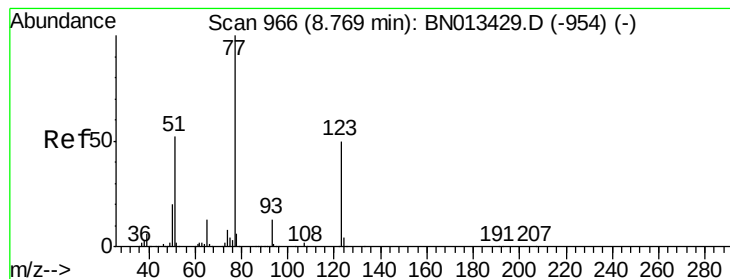
#19  
Hexachloroethane  
Concen: 3.970 ng/ul  
RT: 8.65 min Scan# 946  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Tgt Ion:117 Resp: 54604  
Ion Ratio Lower Upper  
117 100  
201 97.9 78.2 117.2  
199 65.6 50.8 76.2



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





#22

Nitrobenzene

Concen: 4.372 ng/ul

RT: 8.77 min Scan# 966

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

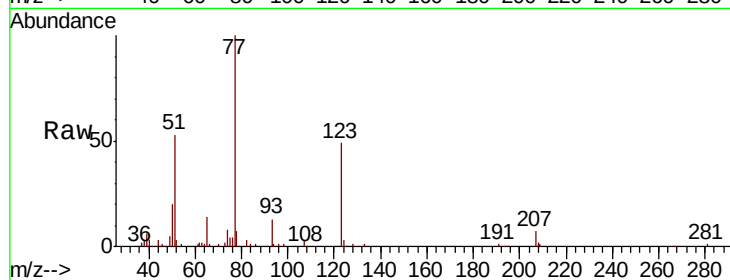
Tot Ion: 77 Resp: 139846

Ion Ratio Lower Upper

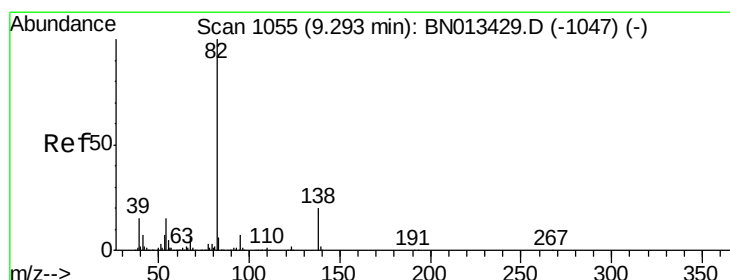
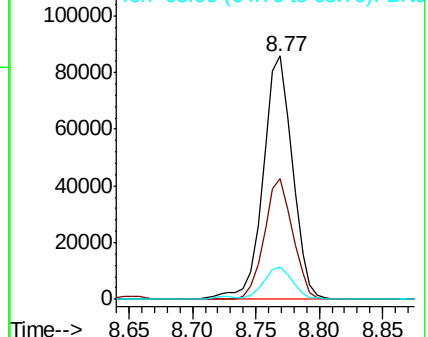
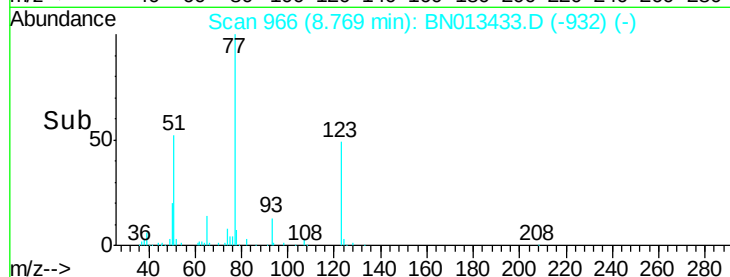
77 100

123 49.3 41.7 62.5

65 13.5 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BN013433.D (-932) (-)



#23

Isophorone

Concen: 3.326 ng/ul

RT: 9.29 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

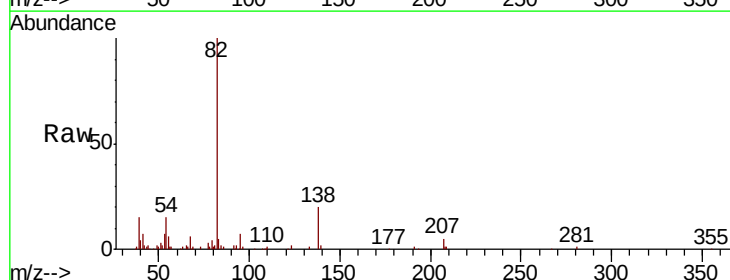
Tgt Ion: 82 Resp: 188485

Ion Ratio Lower Upper

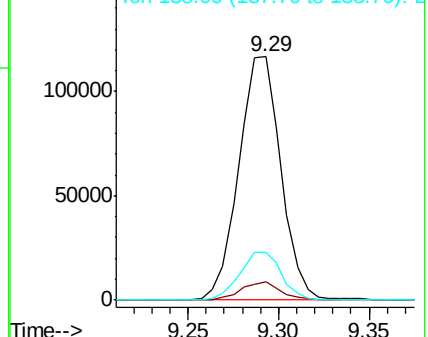
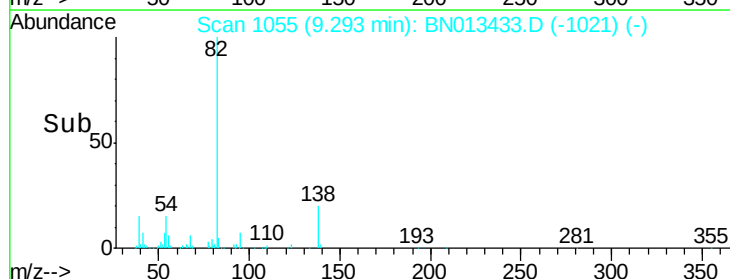
82 100

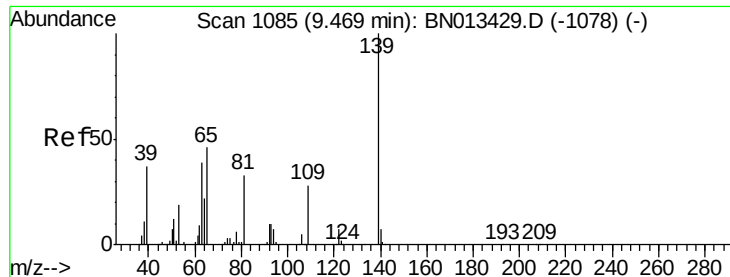
95 7.4 5.8 8.8

138 19.8 15.9 23.9



Abundance Ion 82.00 (81.70 to 82.70): BN013433.D (-1021) (-)

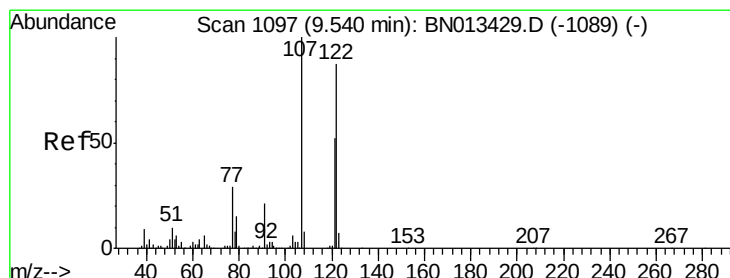
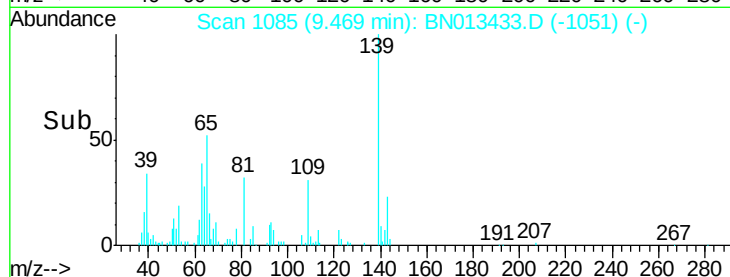
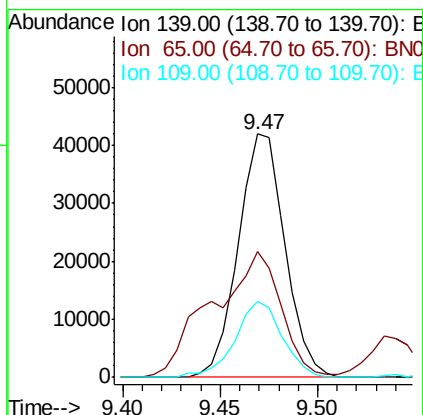
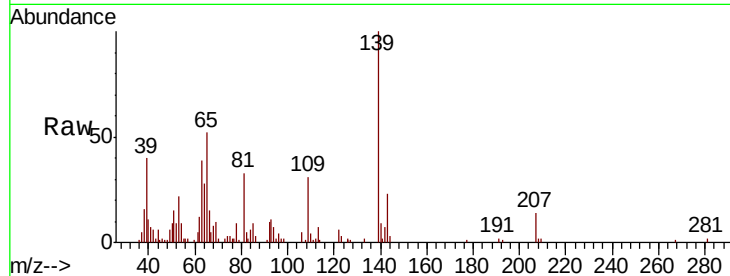




#25  
2-Nitrophenol  
Concen: 4.217 ng/ul  
RT: 9.47 min Scan# 1085  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

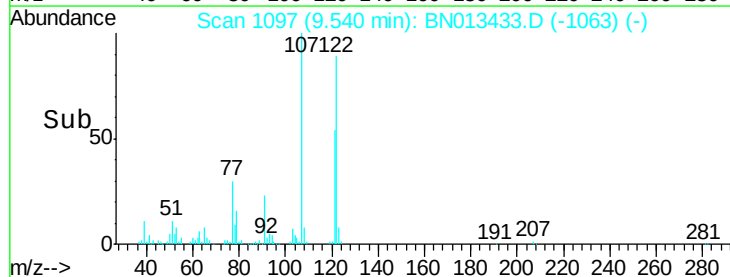
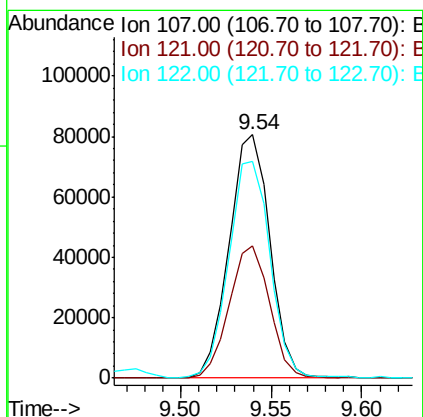
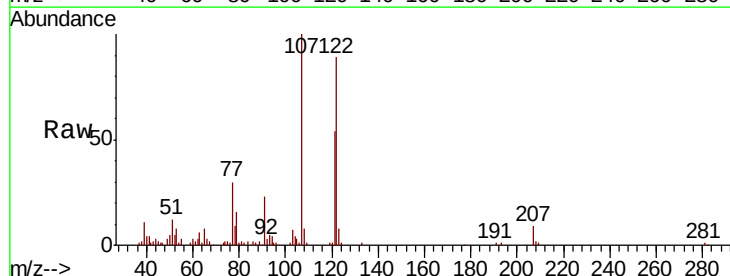
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

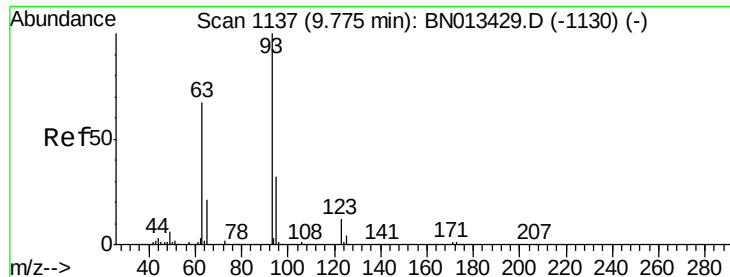
Tot Ion:139 Resp: 69540  
Ion Ratio Lower Upper  
139 100  
65 51.9 38.2 57.2  
109 31.1 23.1 34.7



#26  
2,4-Dimethylphenol  
Concen: 3.929 ng/ul  
RT: 9.54 min Scan# 1097  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Tgt Ion:107 Resp: 126168  
Ion Ratio Lower Upper  
107 100  
121 54.5 42.7 64.1  
122 89.1 71.1 106.7





#27

Bis(2-Chloroethoxy)methane

Concen: 4.013 ng/ul

RT: 9.78 min Scan# 1137

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

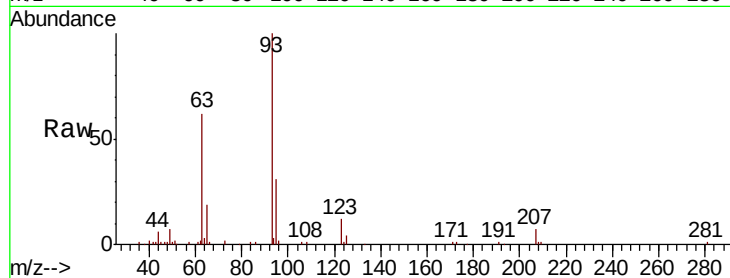
Tot Ion: 93 Resp: 156590

Ion Ratio Lower Upper

93 100

95 31.0 25.9 38.9

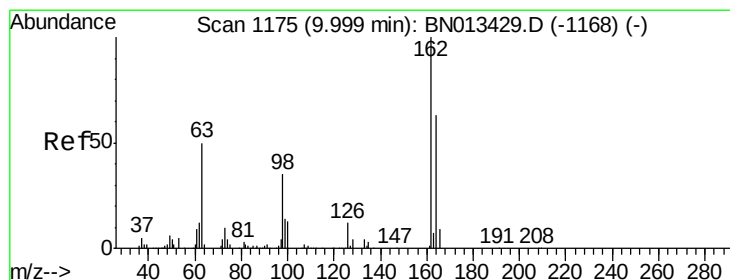
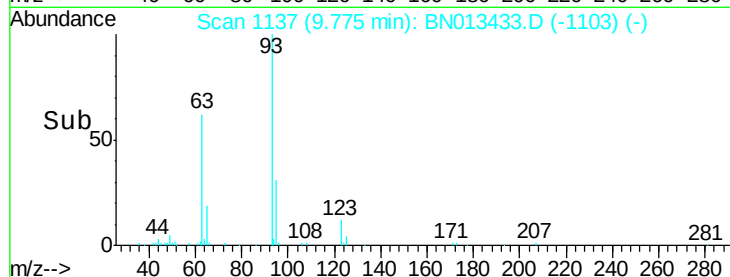
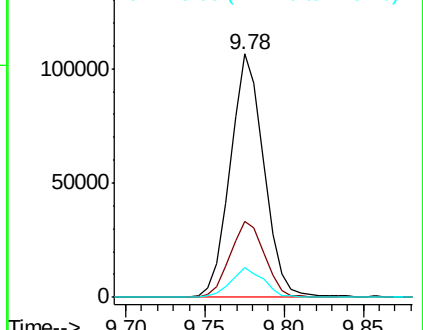
123 12.2 9.5 14.3



Abundance Ion 93.00 (92.70 to 93.70): BN013429.D (-1130) (-)

Ion 95.00 (94.70 to 95.70): BN013429.D (-1130) (-)

Ion 123.00 (122.70 to 123.70): BN013429.D (-1130) (-)



#29

2,4-Dichlorophenol

Concen: 4.140 ng/ul

RT: 10.00 min Scan# 1175

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

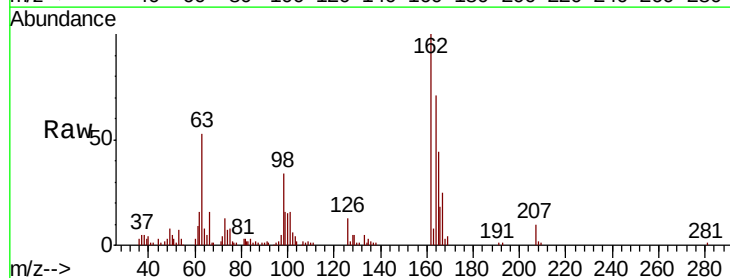
Tgt Ion: 162 Resp: 117595

Ion Ratio Lower Upper

162 100

164 70.9 51.7 77.5

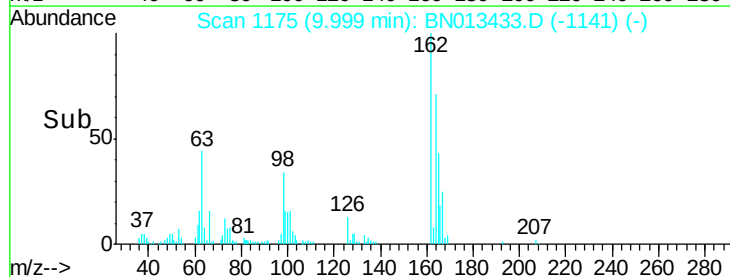
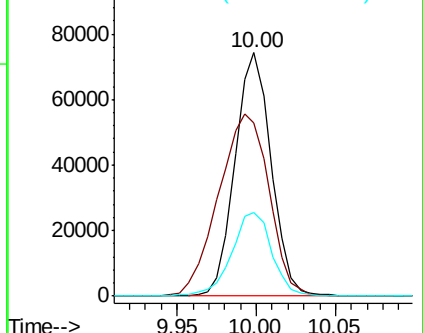
98 34.5 27.3 40.9

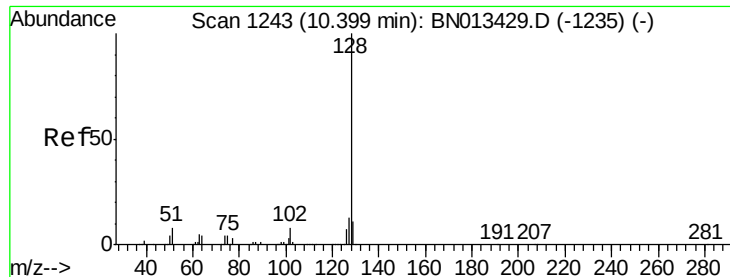


Abundance Ion 162.00 (161.70 to 162.70): BN013429.D (-1168) (-)

Ion 164.00 (163.70 to 164.70): BN013429.D (-1168) (-)

Ion 98.00 (97.70 to 98.70): BN013429.D (-1168) (-)

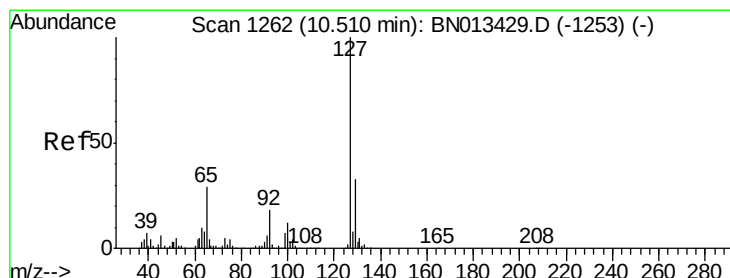
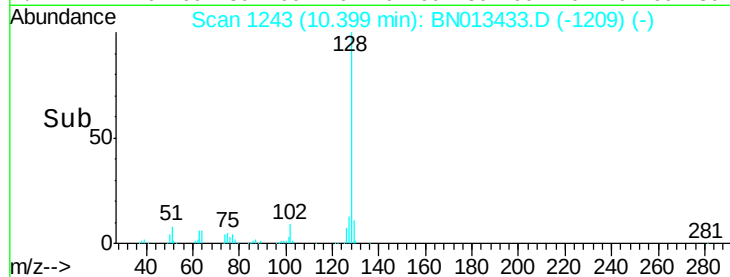
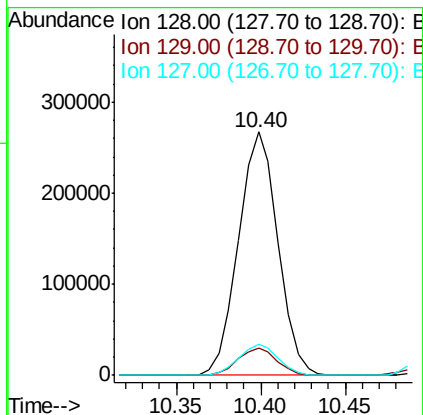
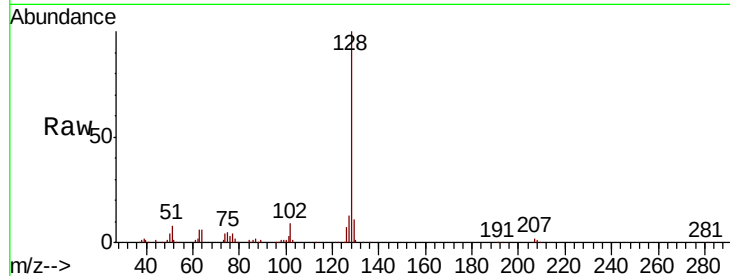




#30  
Naphthalene  
Concen: 4.194 ng/ul  
RT: 10.40 min Scan# 1243  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

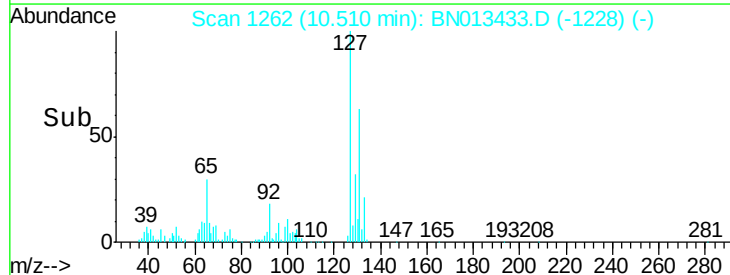
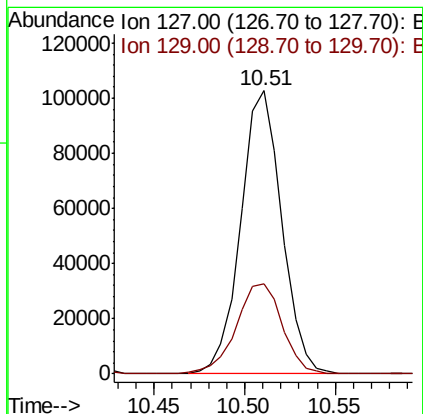
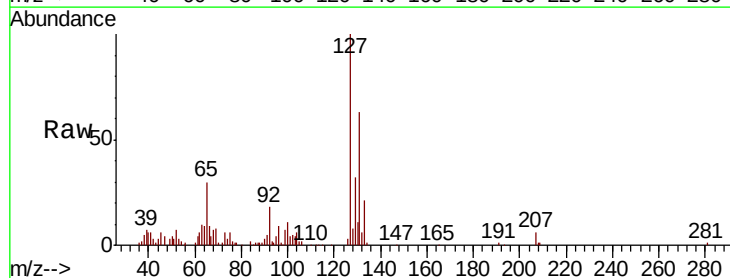
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

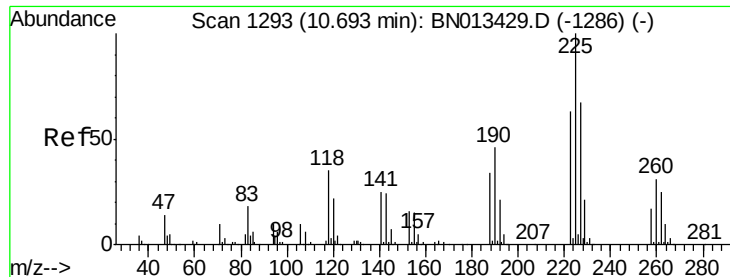
Tot Ion:128 Resp: 433388  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.8 13.2  
127 12.9 10.1 15.1



#32  
4-Chloroaniline  
Concen: 4.089 ng/ul  
RT: 10.51 min Scan# 1262  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Tgt Ion:127 Resp: 161671  
Ion Ratio Lower Upper  
127 100  
129 31.9 26.0 39.0





#33

Hexachlorobutadiene

Concen: 4.114 ng/ul

RT: 10.69 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

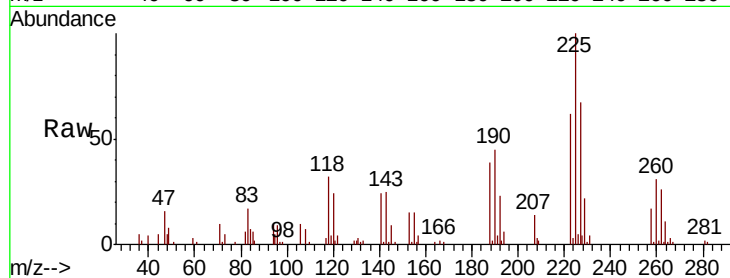
Tot Ion:225 Resp: 76337

Ion Ratio Lower Upper

225 100

223 62.3 52.7 79.1

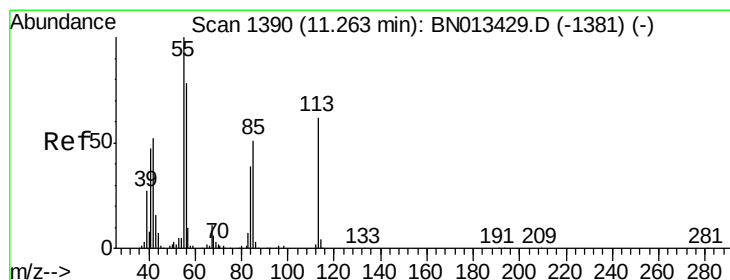
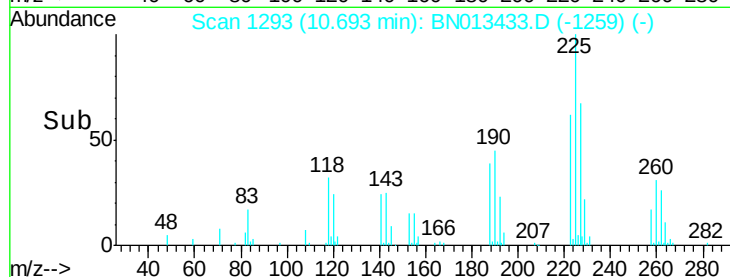
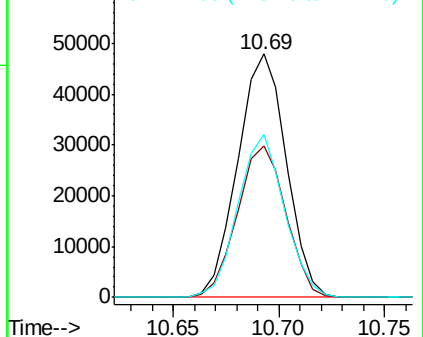
227 66.7 52.1 78.1



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: 2.237 ng/ul

RT: 11.28 min Scan# 1393

Delta R.T. 0.02 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

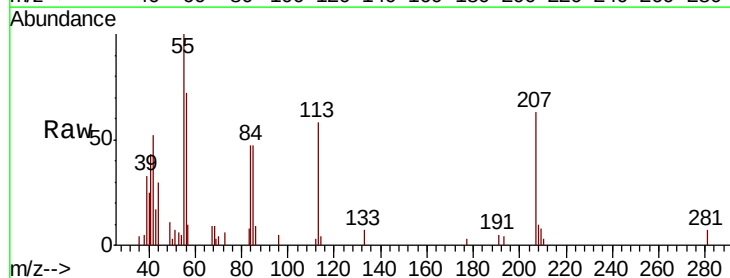
Tgt Ion:113 Resp: 18450

Ion Ratio Lower Upper

113 100

55 173.4 123.8 185.8

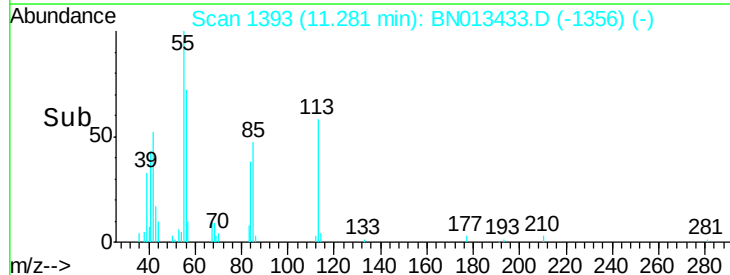
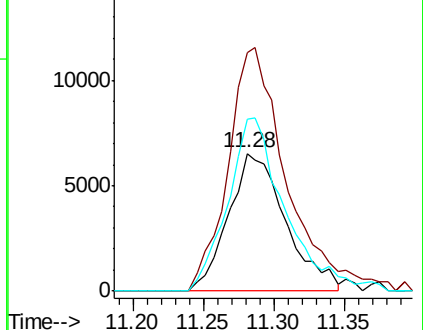
56 124.7 96.7 145.1

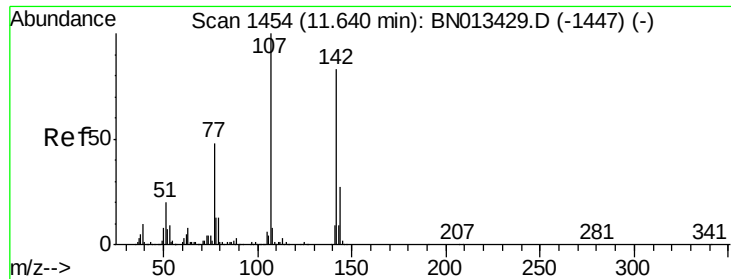


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNO

Ion 56.00 (55.70 to 56.70): BNO

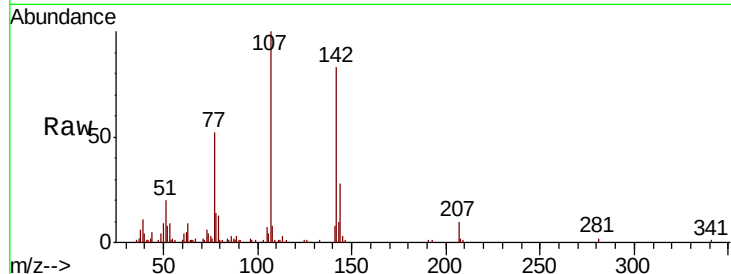




#35  
 4-Chloro-3-methylphenol  
 Concen: 3.270 ng/ul  
 RT: 11.63 min Scan# 1453  
 Delta R.T. -0.01 min  
 Lab File: BN013433.D  
 Acq: 20 Jan 2021 11:24

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT1-2021-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 27.6  | 22.3  | 33.5  |
| 142     | 83.5  | 67.6  | 101.4 |

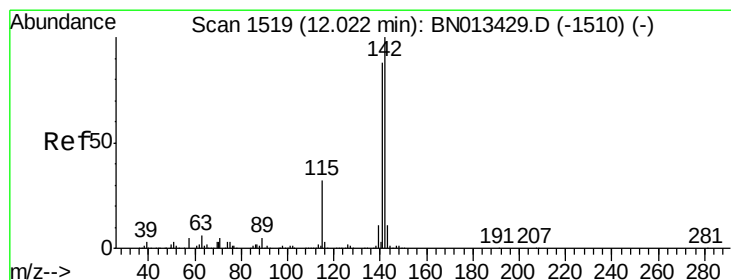
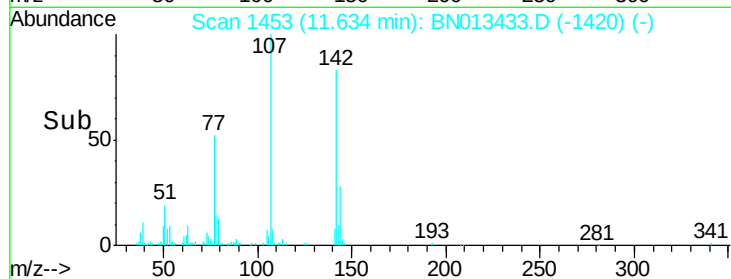
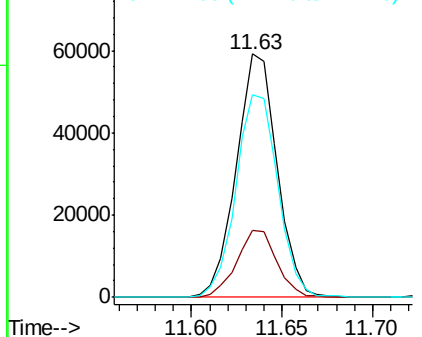


Abundance

Ion 107.00 (106.70 to 107.70): E

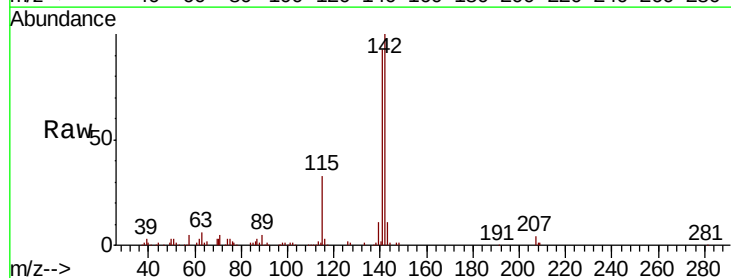
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#36  
 2-Methylnaphthalene  
 Concen: 4.022 ng/ul  
 RT: 12.02 min Scan# 1518  
 Delta R.T. -0.01 min  
 Lab File: BN013433.D  
 Acq: 20 Jan 2021 11:24

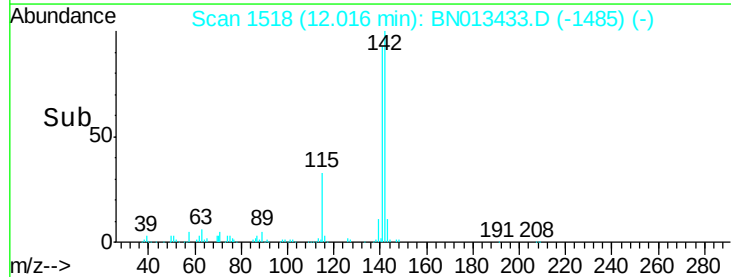
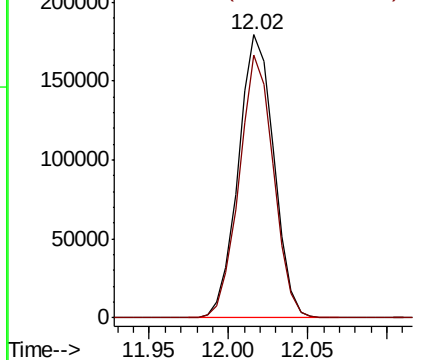
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.0  | 72.6  | 109.0 |



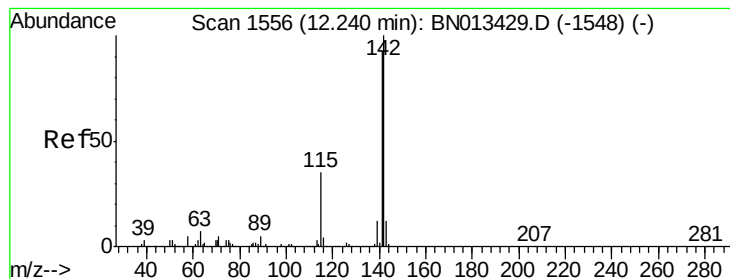
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E







#37

1-Methylnaphthalene

Concen: 4.071 ng/ul

RT: 12.24 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

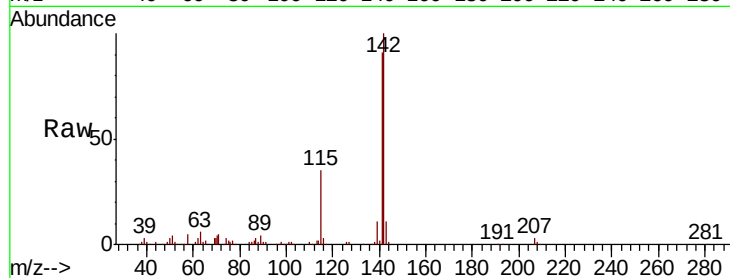
Tot Ion:142 Resp: 272887

Ion Ratio Lower Upper

142 100

141 90.8 71.6 107.4

116 3.3 2.6 4.0

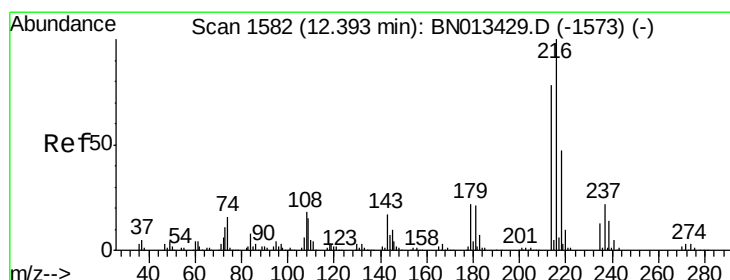
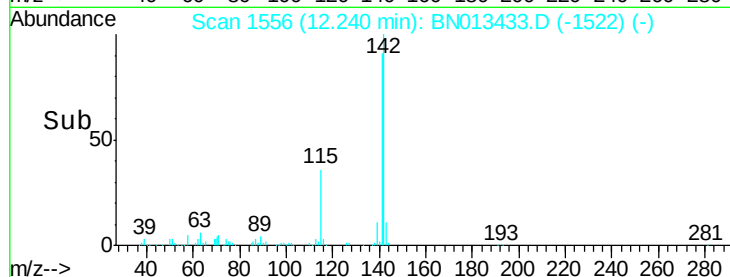
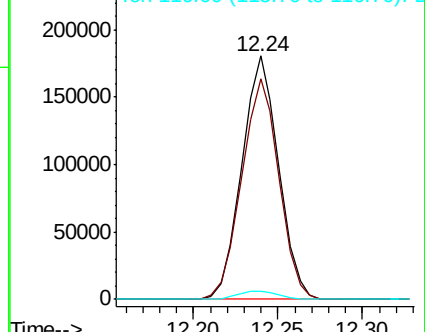


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 4.354 ng/ul

RT: 12.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Tgt Ion:216 Resp: 134134

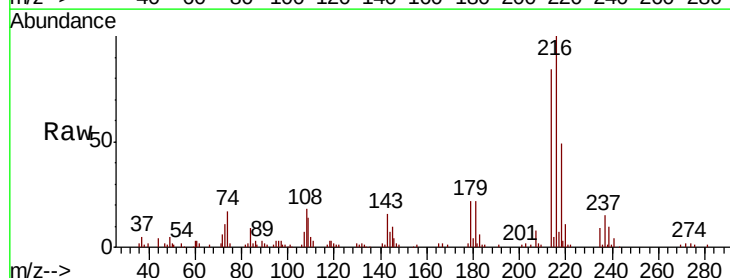
Ion Ratio Lower Upper

216 100

214 84.4 60.7 91.1

179 21.9 17.1 25.7

108 17.7 13.5 20.3



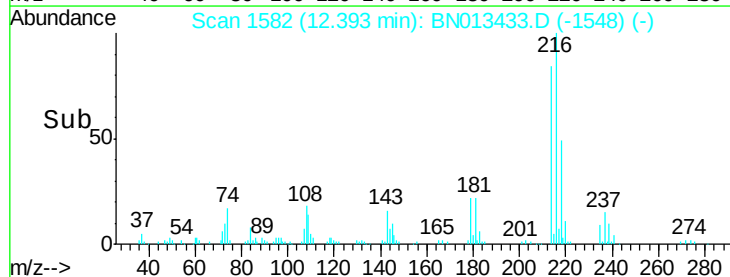
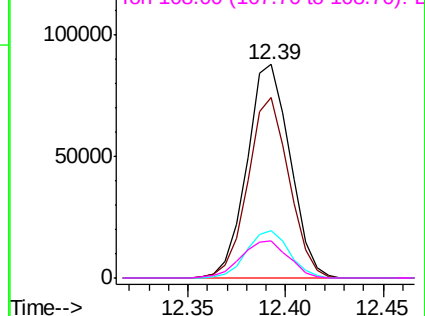
Abundance

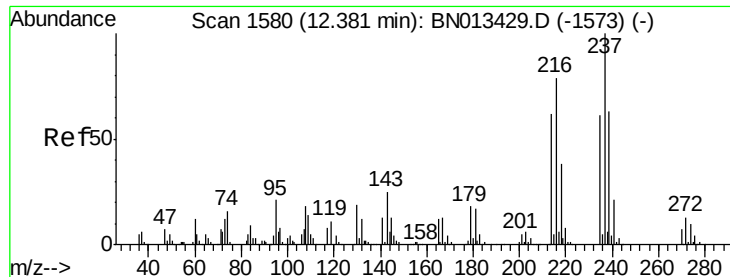
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

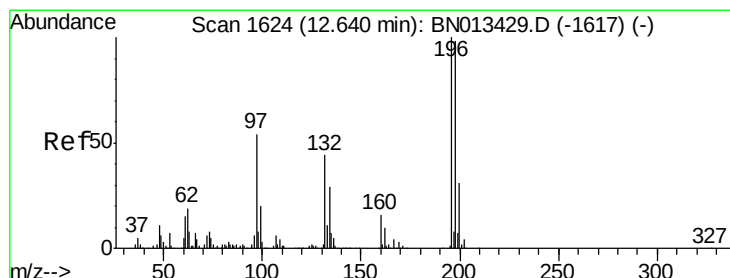
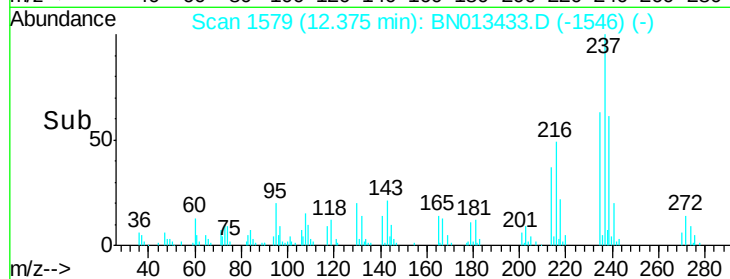
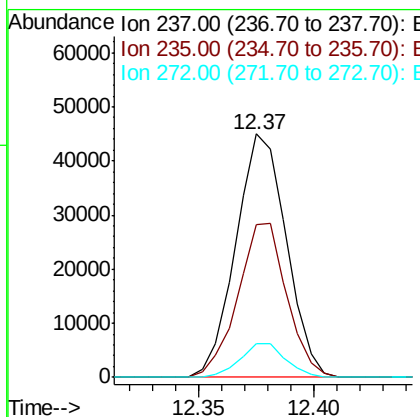
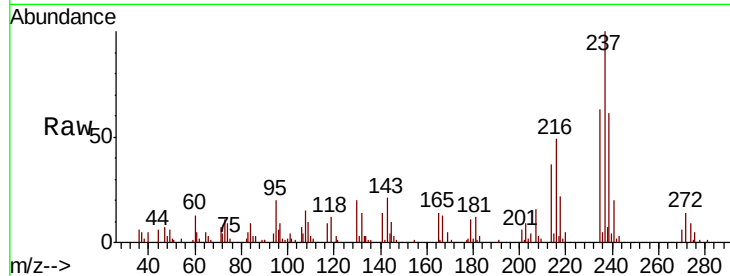




#40  
 Hexachlorocyclopentadiene  
 Concen: 3.602 ng/ul  
 RT: 12.37 min Scan# 1579  
 Delta R.T. -0.01 min  
 Lab File: BN013433.D  
 Acq: 20 Jan 2021 11:24

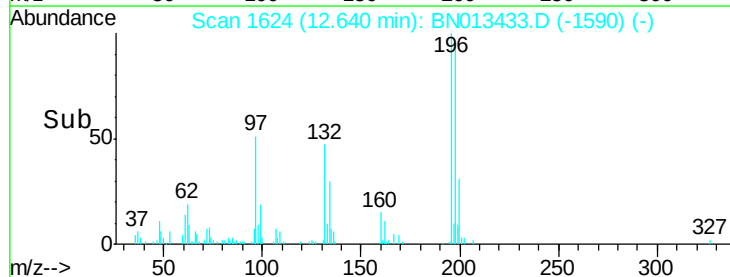
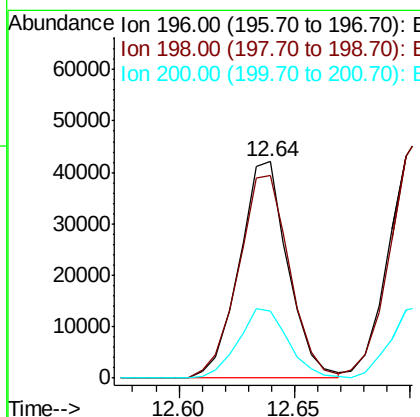
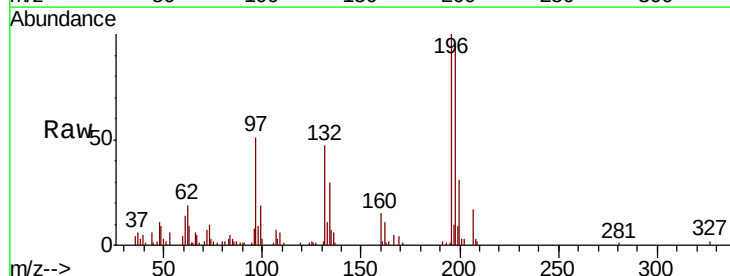
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT1-2021-02

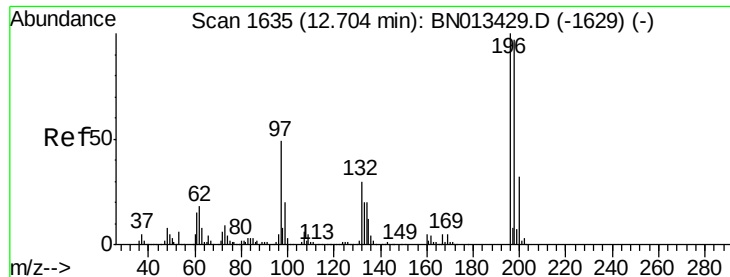
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 237   | Resp: | 68488 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 62.5  | 48.3  | 72.5  |
| 272      | 14.1  | 10.2  | 15.4  |



#41  
 2,4,6-Trichlorophenol  
 Concen: 3.305 ng/ul  
 RT: 12.64 min Scan# 1624  
 Delta R.T. -0.00 min  
 Lab File: BN013433.D  
 Acq: 20 Jan 2021 11:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 196   | Resp: | 61802 |
| Ion      | Ratio | Lower | Upper |
| 196      | 100   |       |       |
| 198      | 93.9  | 77.4  | 116.0 |
| 200      | 31.2  | 24.6  | 37.0  |

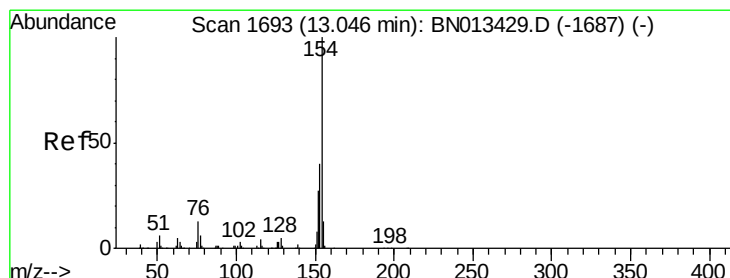
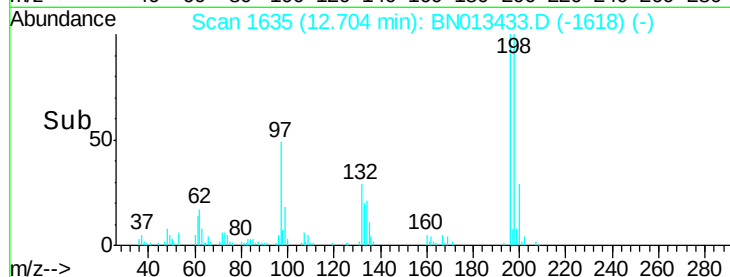
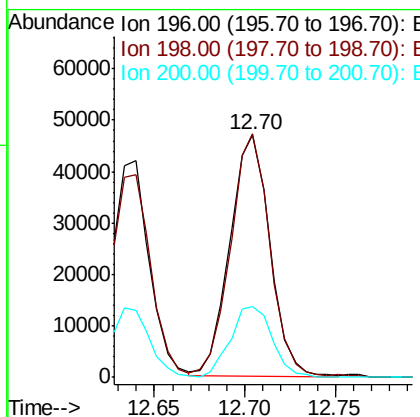
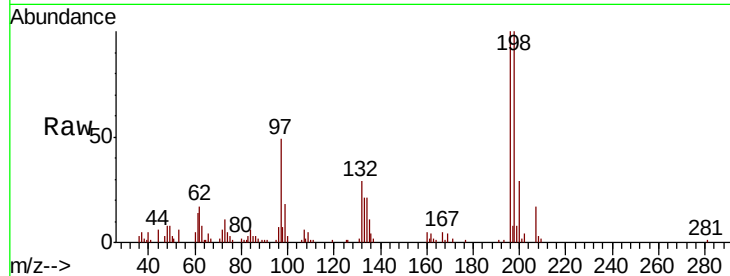




#42  
 2,4,5-Trichlorophenol  
 Concen: 3.526 ng/ul  
 RT: 12.70 min Scan# 1635  
 Delta R.T. -0.00 min  
 Lab File: BN013433.D  
 Acq: 20 Jan 2021 11:24

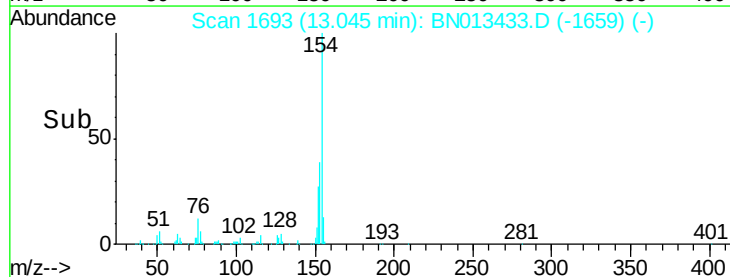
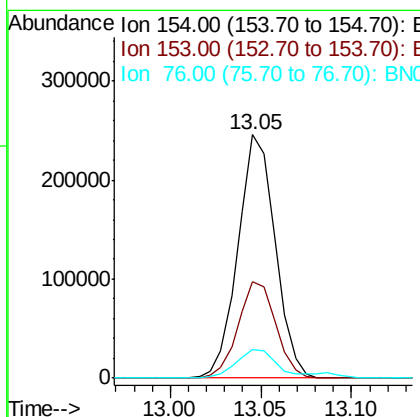
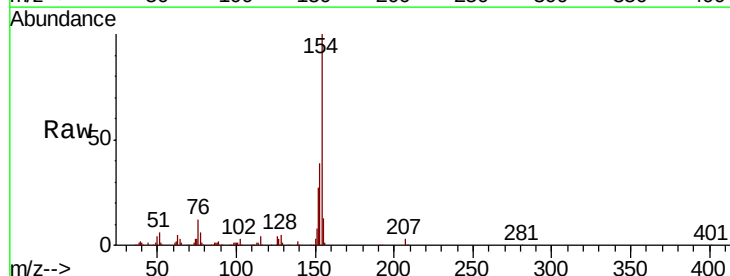
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT1-2021-02

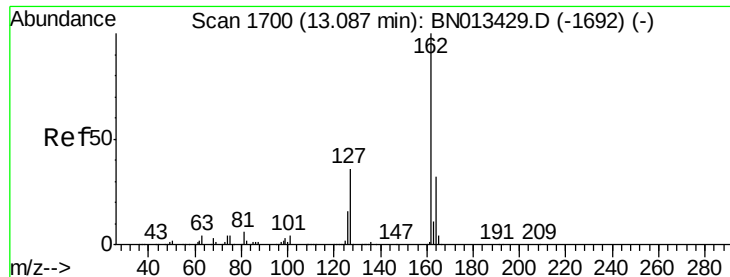
Tot Ion:196 Resp: 71775  
 Ion Ratio Lower Upper  
 196 100  
 198 100.4 76.1 114.1  
 200 29.4 24.6 37.0



#43  
 1,1'-Biphenyl  
 Concen: 4.349 ng/ul  
 RT: 13.05 min Scan# 1693  
 Delta R.T. -0.00 min  
 Lab File: BN013433.D  
 Acq: 20 Jan 2021 11:24

Tgt Ion:154 Resp: 351702  
 Ion Ratio Lower Upper  
 154 100  
 153 39.5 31.8 47.8  
 76 11.8 9.8 14.8

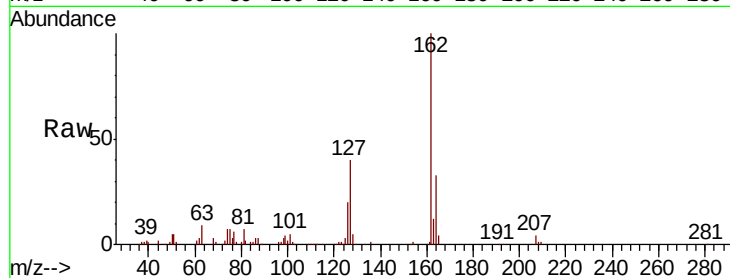




#44  
2-Chloronaphthalene  
Concen: 4.243 ng/ul  
RT: 13.08 min Scan# 1699  
Delta R.T. -0.01 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 32.9  | 25.8  | 38.8  |
| 127     | 40.5  | 31.3  | 46.9  |

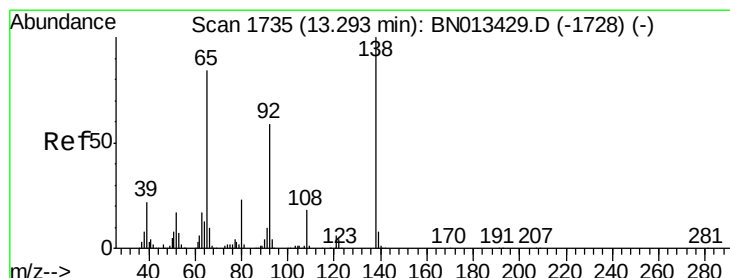
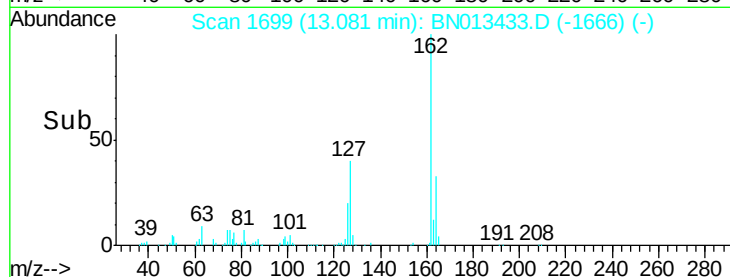
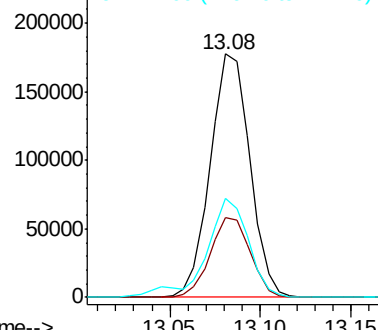


Abundance

Ion 162.00 (161.70 to 162.70): E

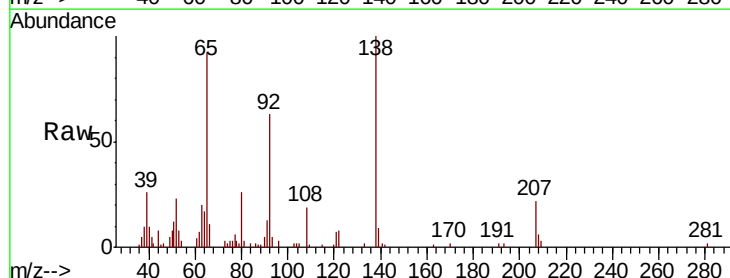
Ion 164.00 (163.70 to 164.70): E

Ion 127.00 (126.70 to 127.70): E



#45  
2-Nitroaniline  
Concen: 3.171 ng/ul  
RT: 13.29 min Scan# 1734  
Delta R.T. -0.01 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 68.3  | 56.7  | 85.1  |
| 138     | 108.5 | 93.2  | 139.8 |

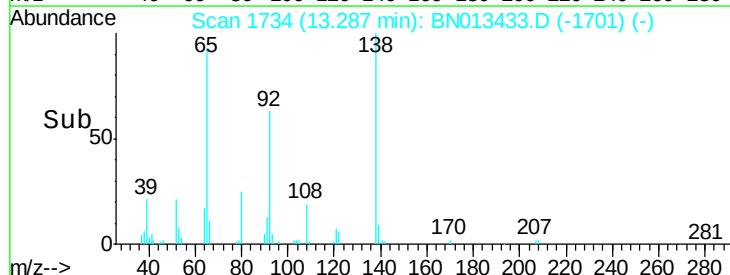
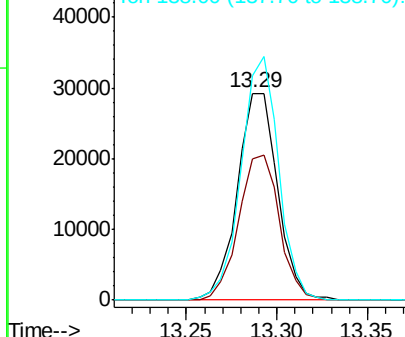


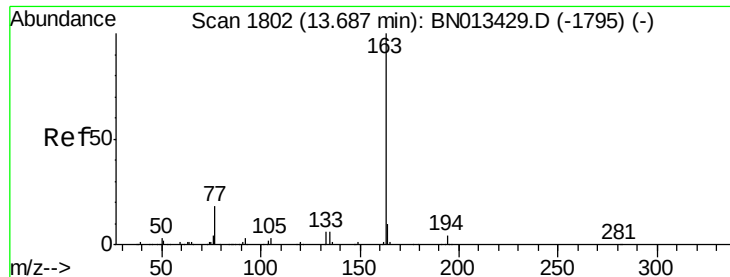
Abundance

Ion 65.00 (64.70 to 65.70): BNO

Ion 92.00 (91.70 to 92.70): BNO

Ion 138.00 (137.70 to 138.70): E

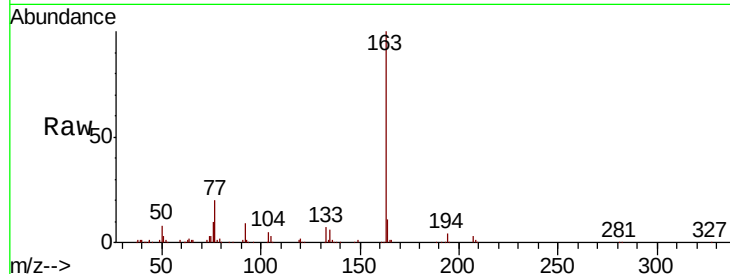




#47  
Dimethylphthalate  
Concen: 3.958 ng/ul  
RT: 13.68 min Scan# 1801  
Delta R.T. -0.01 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.5   | 3.2   | 4.8   |
| 164     | 10.7  | 7.8   | 11.8  |

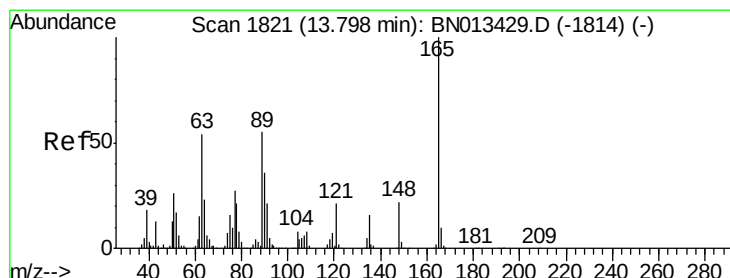
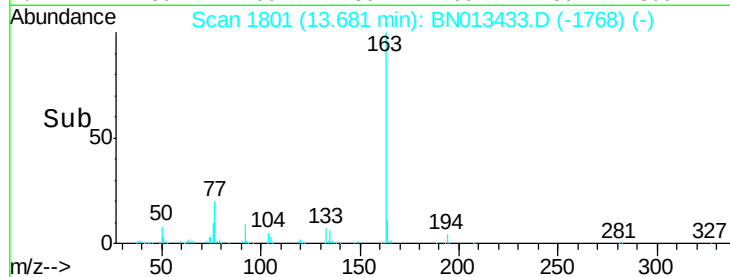
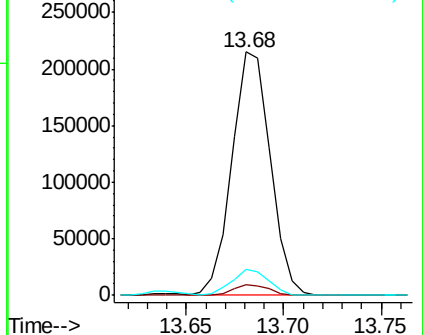


Abundance

Ion 163.00 (162.70 to 163.70): E

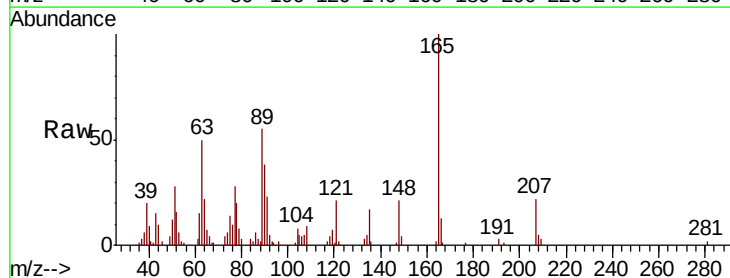
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48  
2,6-Dinitrotoluene  
Concen: 3.124 ng/ul  
RT: 13.80 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 89      | 55.1  | 41.9  | 62.9  |
| 121     | 20.7  | 16.0  | 24.0  |

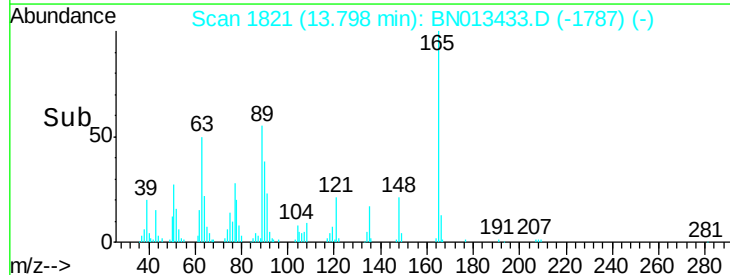
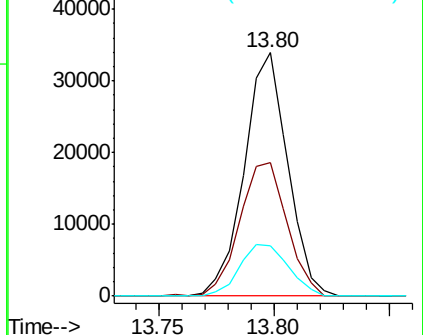


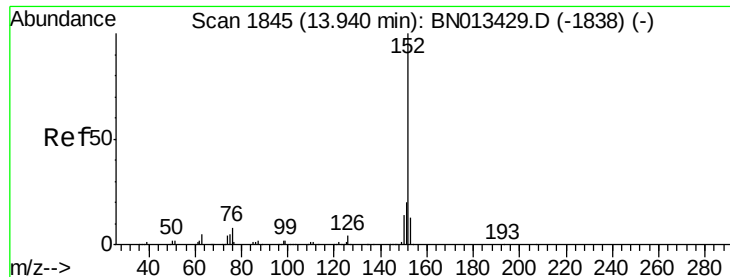
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BNC

Ion 121.00 (120.70 to 121.70): E





#50

Acenaphthylene

Concen: 4.159 ng/ul

RT: 13.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

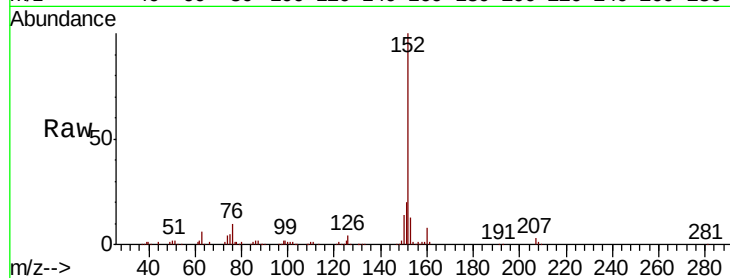
BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion:152 Resp: 389307

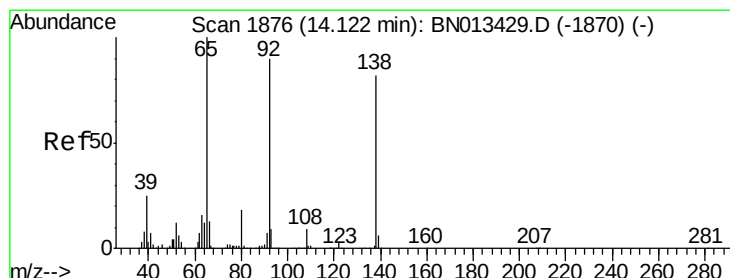
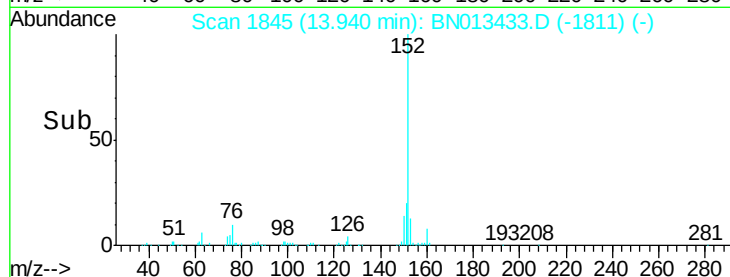
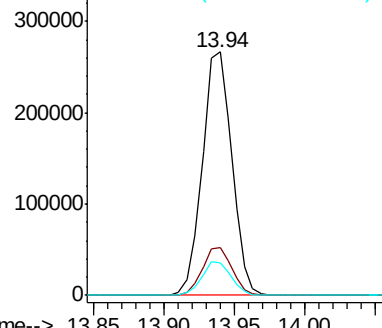
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 19.7  | 15.8  | 23.8  |
| 153 | 13.5  | 10.2  | 15.4  |



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: 3.095 ng/ul

RT: 14.12 min Scan# 1876

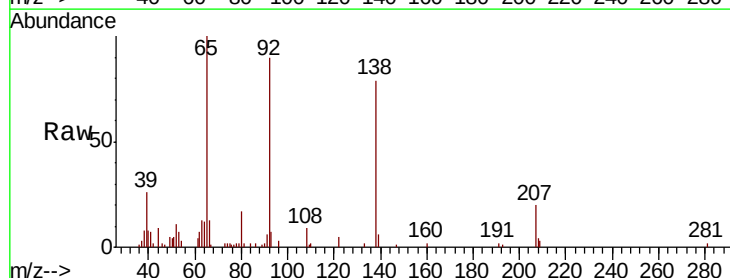
Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Tgt Ion:138 Resp: 41012

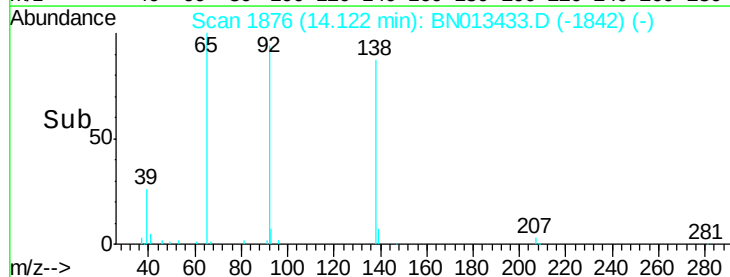
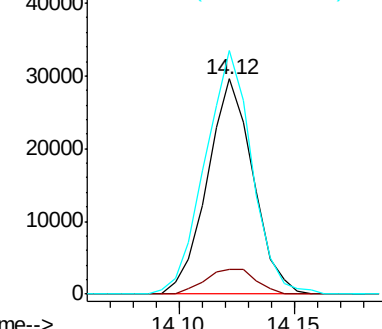
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 138 | 100   |       |       |
| 108 | 11.4  | 8.8   | 13.2  |
| 92  | 113.3 | 88.6  | 133.0 |

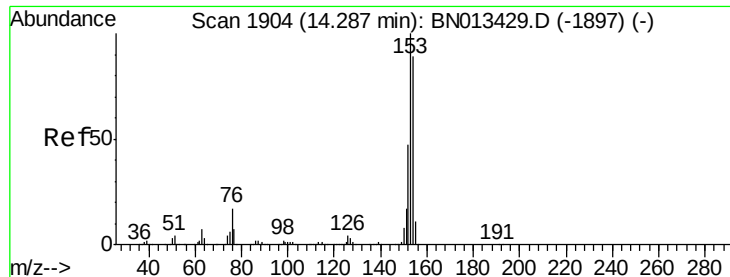


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC





#52

Acenaphthene

Concen: 4.134 ng/ul

RT: 14.28 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

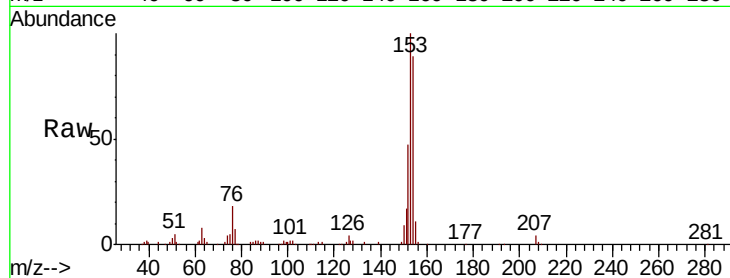
Tot Ion:153 Resp: 276022

Ion Ratio Lower Upper

153 100

152 47.5 38.1 57.1

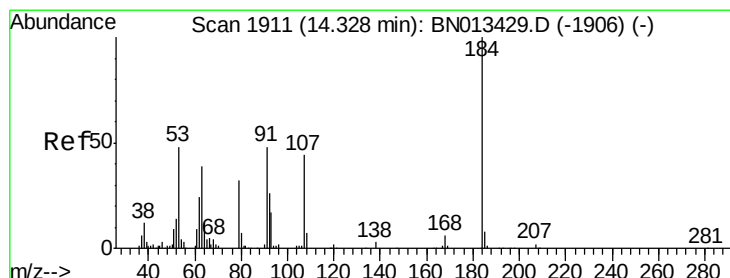
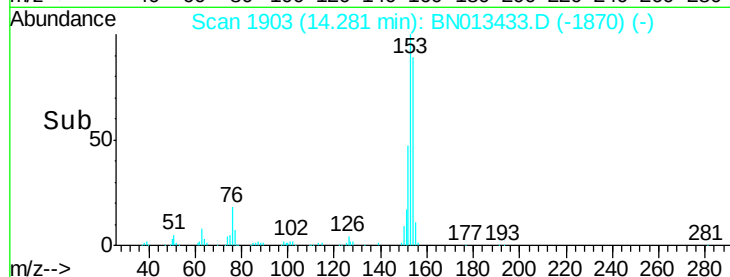
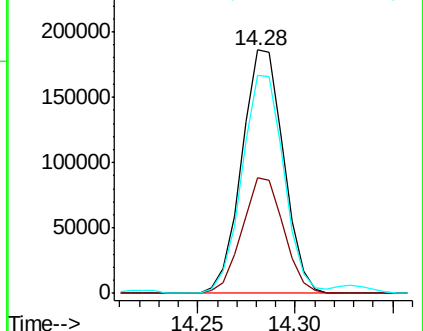
154 89.3 72.1 108.1



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: 1.866 ng/ul

RT: 14.33 min Scan# 1911

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

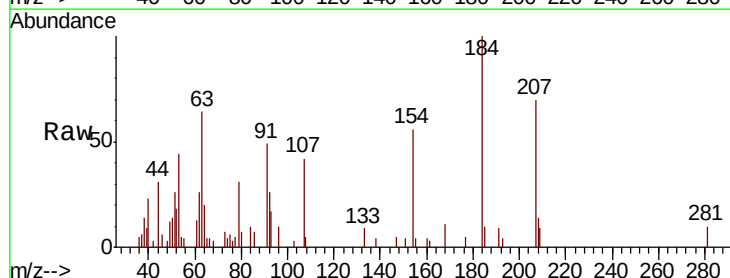
Tgt Ion:184 Resp: 14913

Ion Ratio Lower Upper

184 100

63 63.8 49.1 73.7

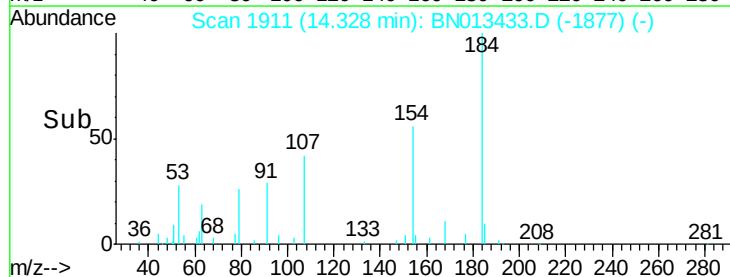
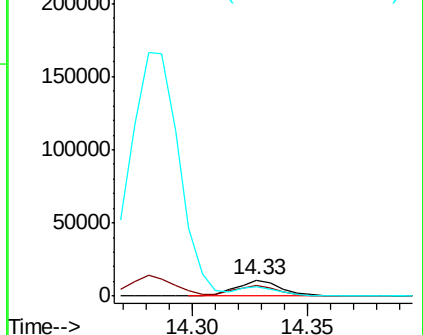
154 56.0 50.2 75.2

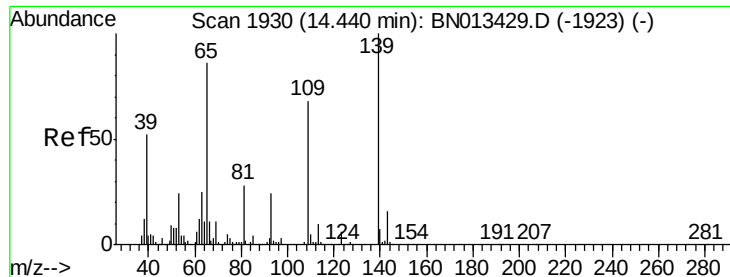


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BNO

Ion 154.00 (153.70 to 154.70): E

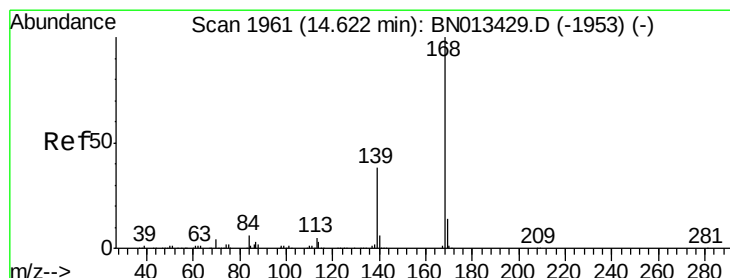
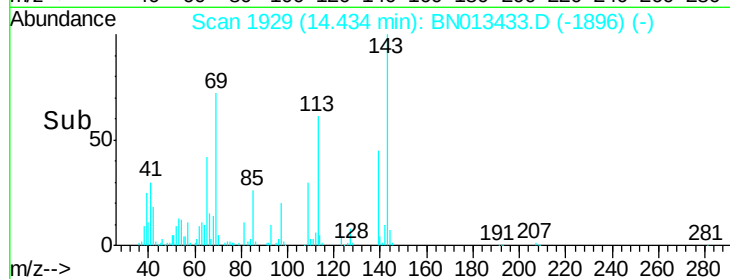
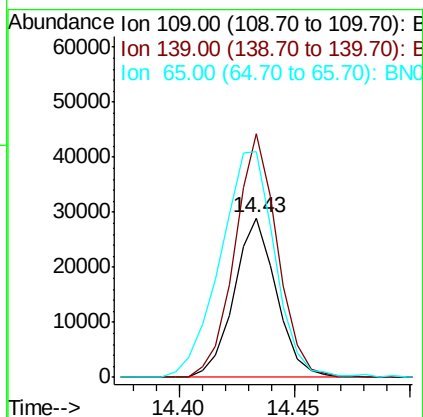
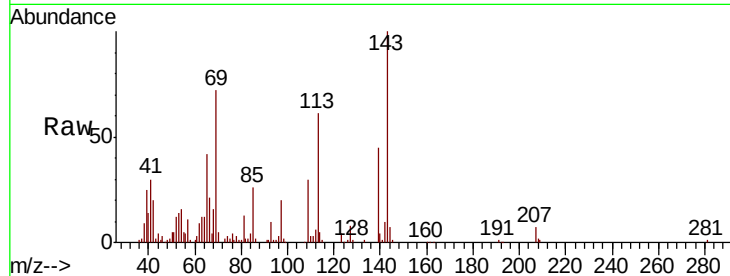




#55  
4-Nitrophenol  
Concen: 3.737 ng/ul  
RT: 14.43 min Scan# 1929  
Delta R.T. -0.01 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

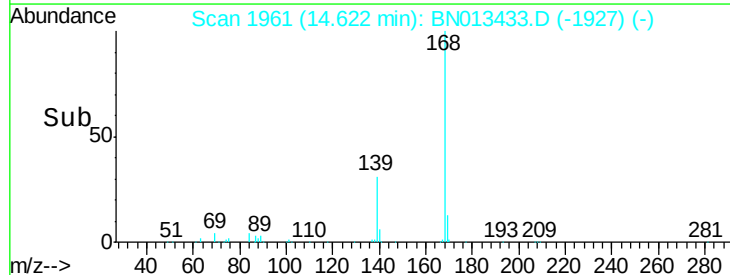
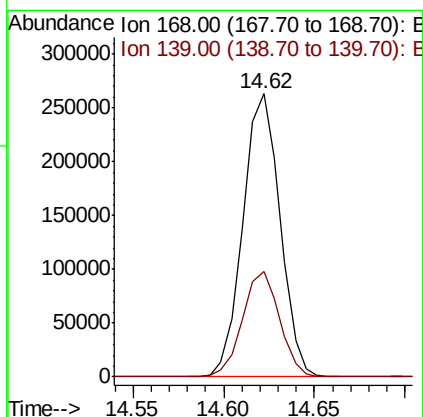
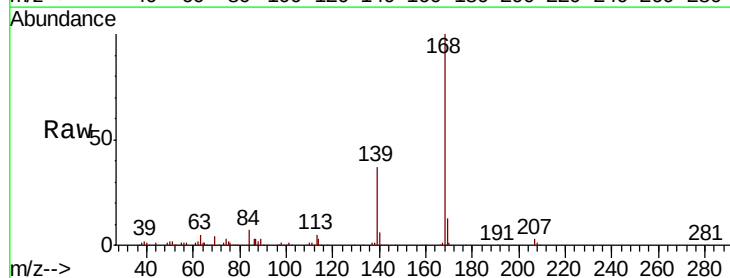
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

Tot Ion:109 Resp: 37072  
Ion Ratio Lower Upper  
109 100  
139 153.0 120.1 180.1  
65 141.8 101.4 152.0

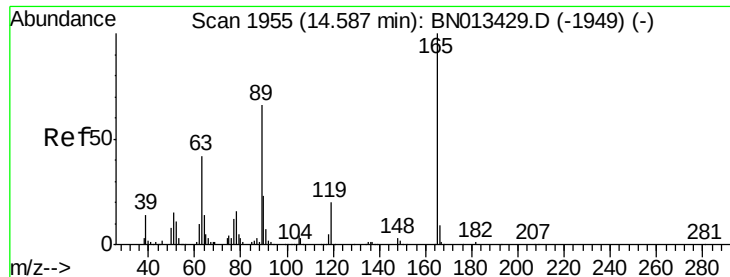


#56  
Dibenzofuran  
Concen: 4.139 ng/ul  
RT: 14.62 min Scan# 1961  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Tgt Ion:168 Resp: 374527  
Ion Ratio Lower Upper  
168 100  
139 37.5 30.7 46.1



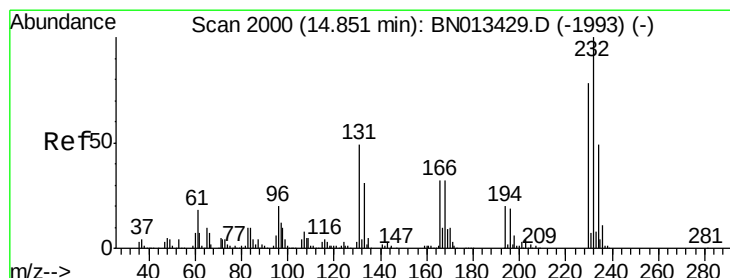
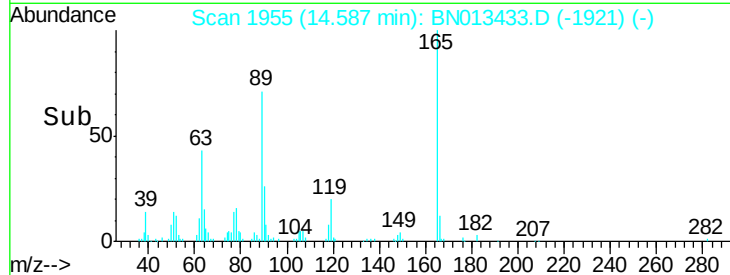
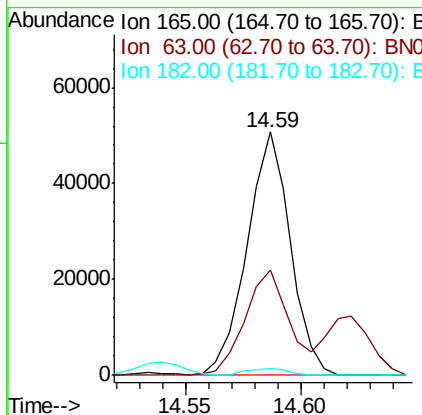
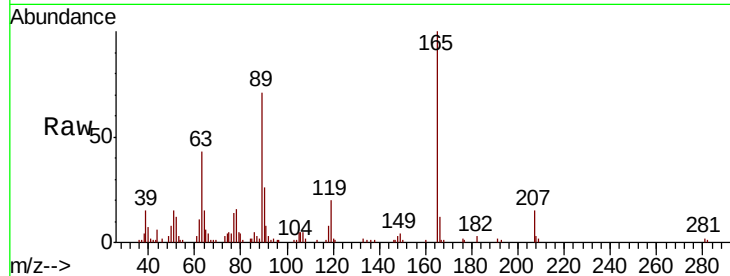




#57  
 2,4-Dinitrotoluene  
 Concen: 3.260 ng/ul  
 RT: 14.59 min Scan# 1955  
 Delta R.T. -0.00 min  
 Lab File: BN013433.D  
 Acq: 20 Jan 2021 11:24

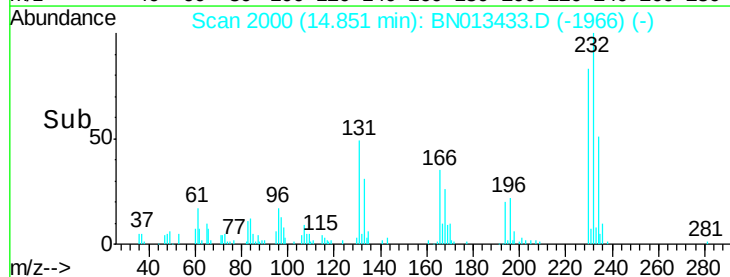
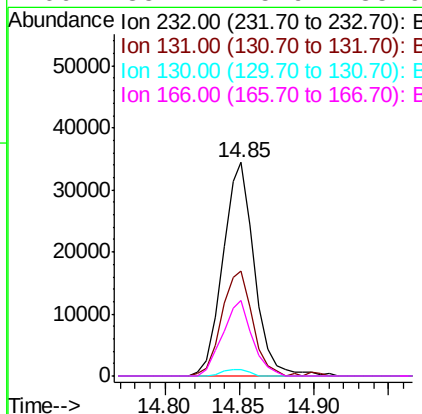
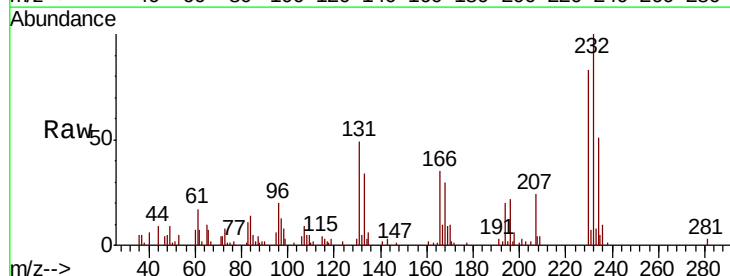
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT1-2021-02

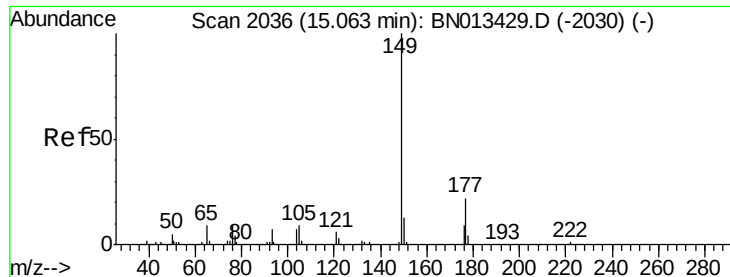
Tot Ion:165 Resp: 66161  
 Ion Ratio Lower Upper  
 165 100  
 63 43.1 31.3 46.9  
 182 2.8 2.4 3.6



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 3.102 ng/ul  
 RT: 14.85 min Scan# 2000  
 Delta R.T. -0.00 min  
 Lab File: BN013433.D  
 Acq: 20 Jan 2021 11:24

Tgt Ion:232 Resp: 50956  
 Ion Ratio Lower Upper  
 232 100  
 131 49.0 39.1 58.7  
 130 2.7 1.9 2.9  
 166 35.4 25.9 38.9

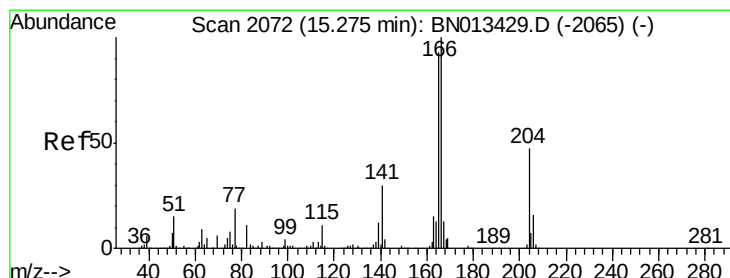
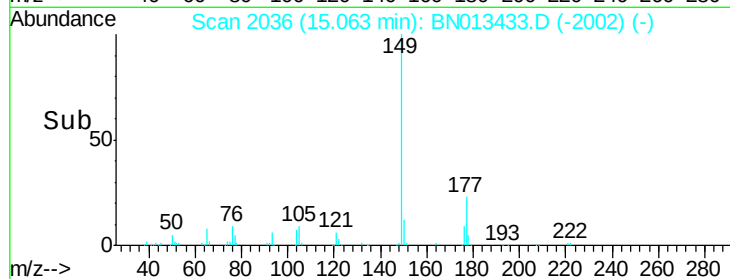
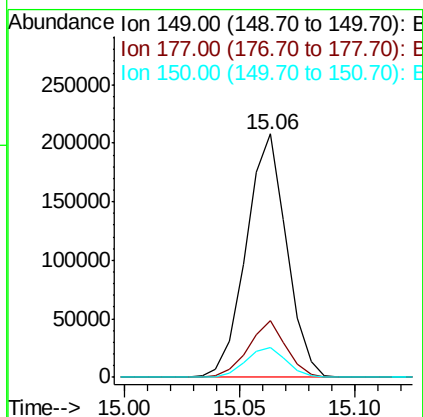
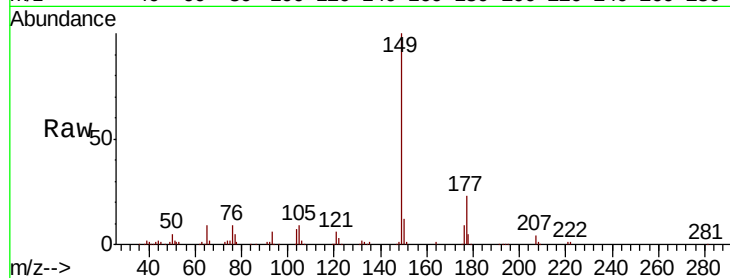




#59  
Diethylphthalate  
Concen: 3.485 ng/ul  
RT: 15.06 min Scan# 2036  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

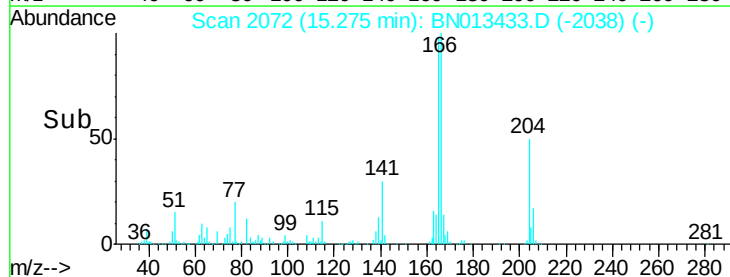
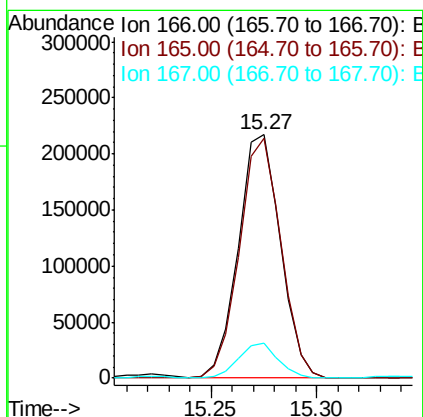
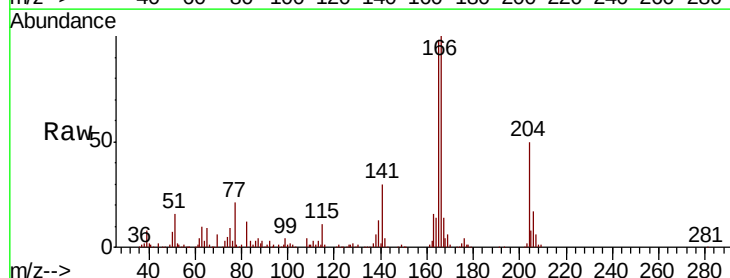
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

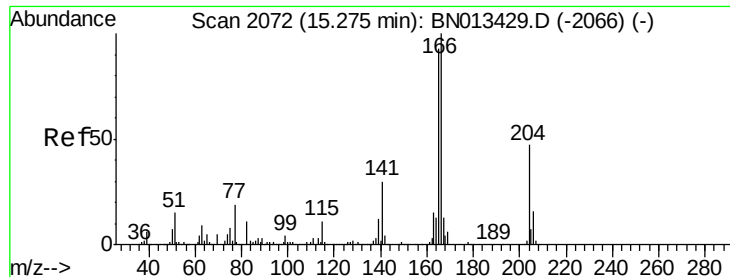
Tot Ion:149 Resp: 253257  
Ion Ratio Lower Upper  
149 100  
177 23.1 17.4 26.2  
150 12.5 10.3 15.5



#61  
Fluorene  
Concen: 4.170 ng/ul  
RT: 15.27 min Scan# 2072  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Tgt Ion:166 Resp: 300813  
Ion Ratio Lower Upper  
166 100  
165 98.4 76.2 114.2  
167 14.1 10.3 15.5

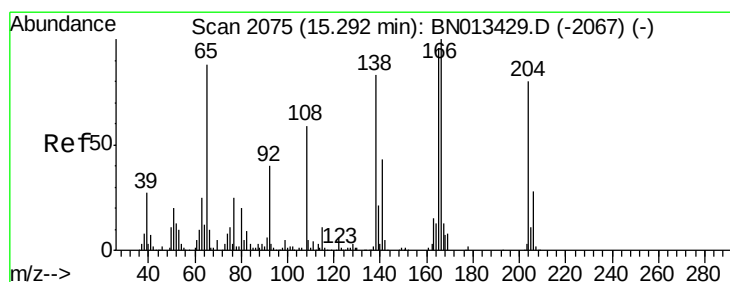
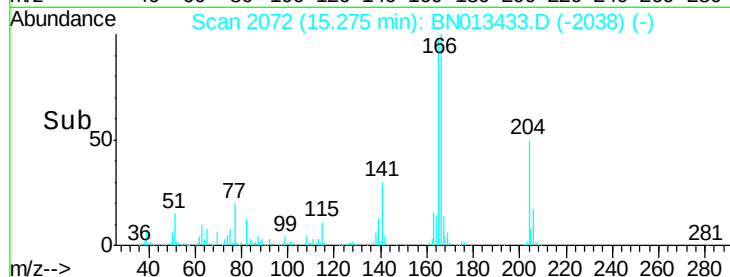
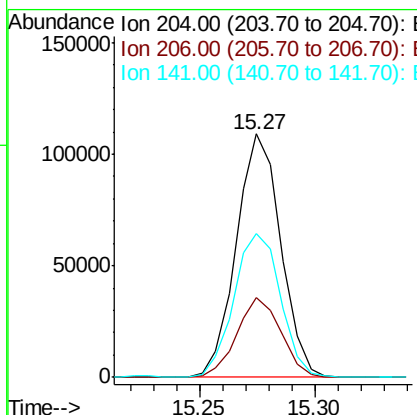
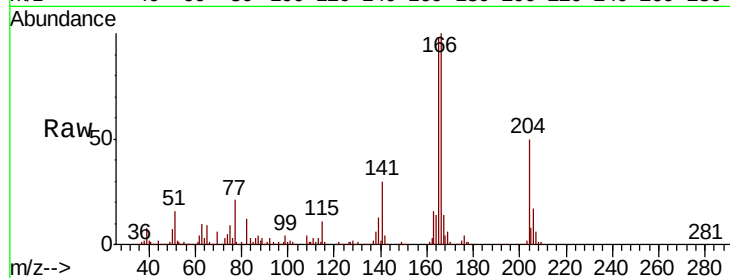




#62  
 4-Chlorophenyl-phenylether  
 Concen: 4.158 ng/ul  
 RT: 15.27 min Scan# 2072  
 Delta R.T. -0.00 min  
 Lab File: BN013433.D  
 Acq: 20 Jan 2021 11:24

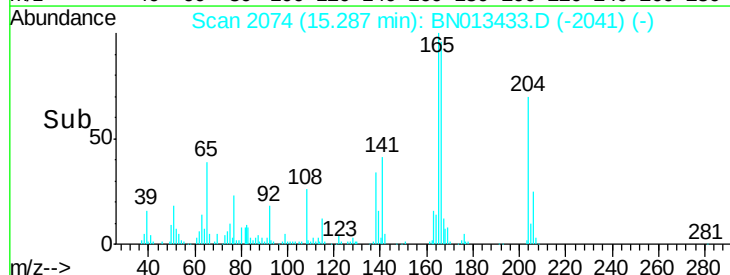
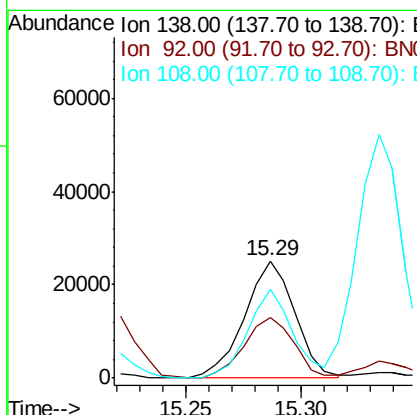
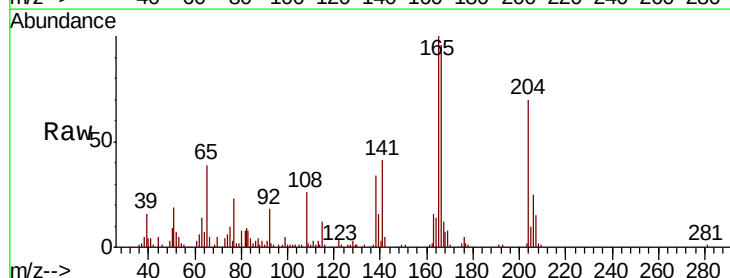
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT1-2021-02

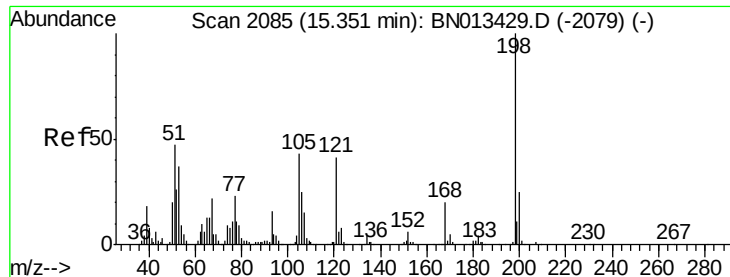
Tot Ion:204 Resp: 146402  
 Ion Ratio Lower Upper  
 204 100  
 206 32.9 25.8 38.6  
 141 58.9 49.9 74.9



#63  
 4-Nitroaniline  
 Concen: 3.234 ng/ul  
 RT: 15.29 min Scan# 2074  
 Delta R.T. -0.01 min  
 Lab File: BN013433.D  
 Acq: 20 Jan 2021 11:24

Tgt Ion:138 Resp: 38135  
 Ion Ratio Lower Upper  
 138 100  
 92 51.5 38.0 57.0  
 108 75.9 53.0 79.6

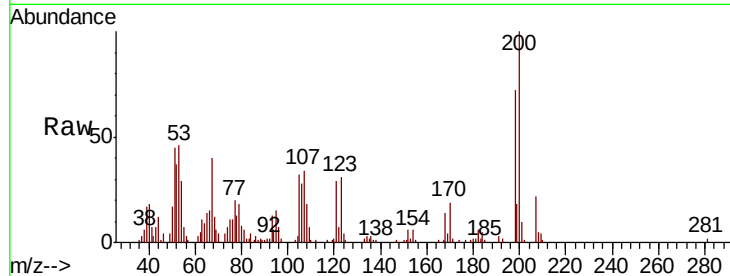




#66  
 4,6-Dinitro-2-methylphenol  
 Concen: 3.687 ng/ul  
 RT: 15.35 min Scan# 2085  
 Delta R.T. -0.00 min  
 Lab File: BN013433.D  
 Acq: 20 Jan 2021 11:24

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT1-2021-02

| Tot Ion   | 198 | 182  | 77    | Resp | 40437 | Lower | Upper |
|-----------|-----|------|-------|------|-------|-------|-------|
| Ion Ratio | 100 | 7.7  | 27.5  |      |       |       |       |
|           |     | 3.3  | 17.1  |      |       |       |       |
|           |     | 4.9# | 25.7# |      |       |       |       |

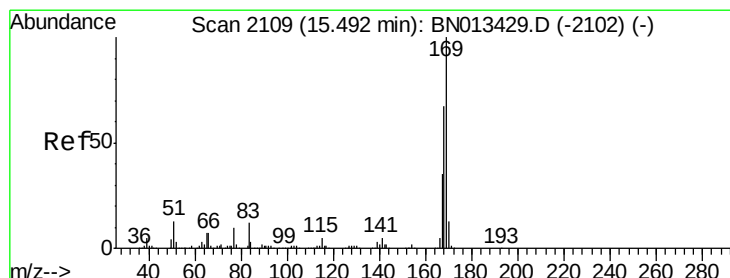
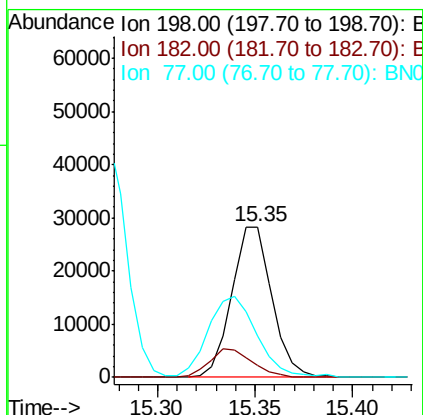
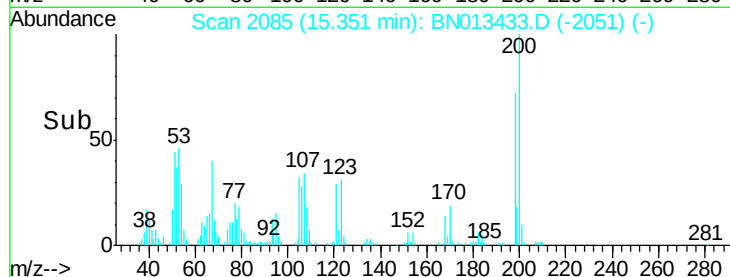


Abundance

Ion 198.00 (197.70 to 198.70): E

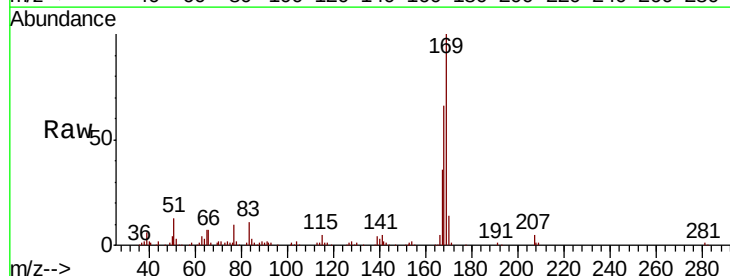
Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BNC



#67  
 N-Nitrosodiphenylamine  
 Concen: 4.212 ng/ul  
 RT: 15.49 min Scan# 2108  
 Delta R.T. -0.01 min  
 Lab File: BN013433.D  
 Acq: 20 Jan 2021 11:24

| Tgt Ion   | 169 | 168  | 167  | Resp | 233759 | Lower | Upper |
|-----------|-----|------|------|------|--------|-------|-------|
| Ion Ratio | 100 | 65.9 | 36.1 |      |        |       |       |
|           |     | 52.4 | 27.8 |      |        |       |       |
|           |     | 78.6 | 41.6 |      |        |       |       |

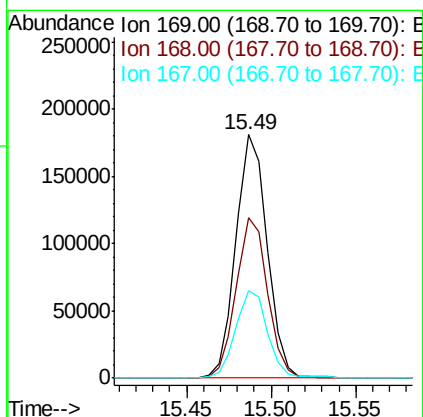
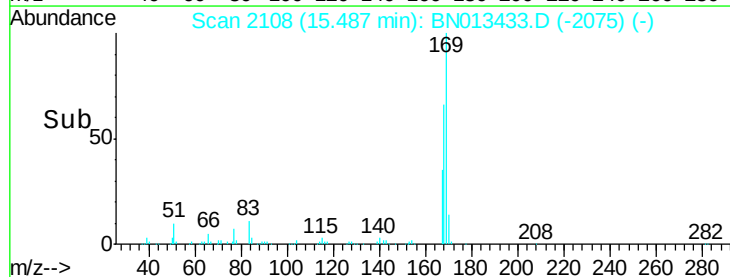


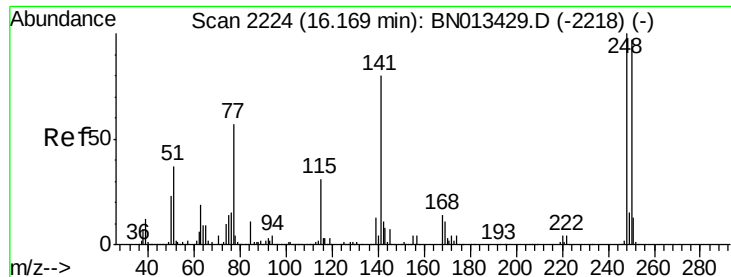
Abundance

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

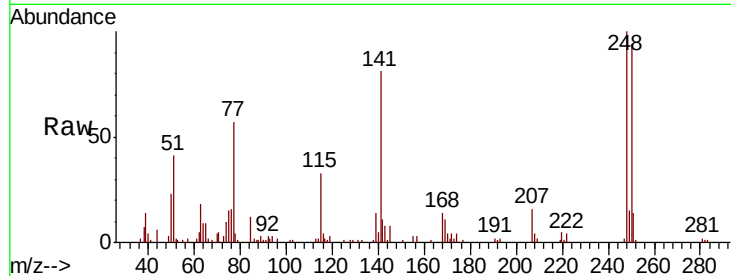




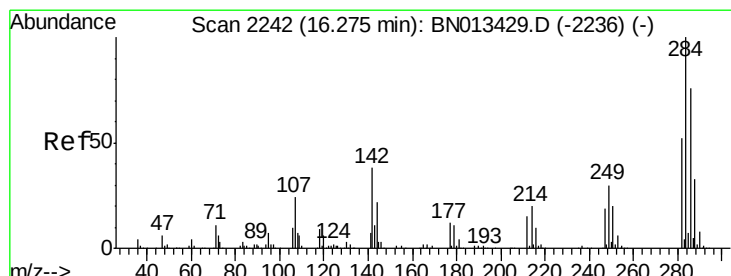
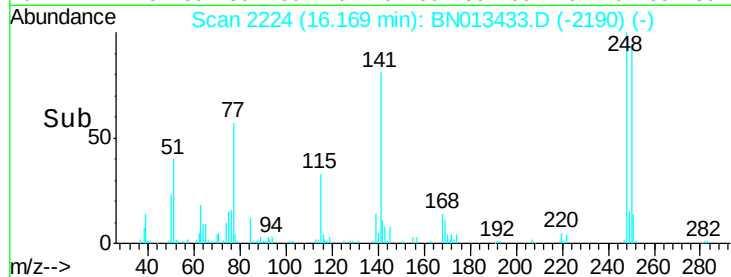
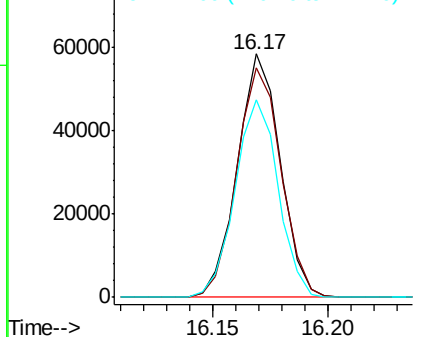
#68  
4-Bromophenyl-phenylether  
Concen: 3.912 ng/ul  
RT: 16.17 min Scan# 2224  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

Tot Ion:248 Resp: 75745  
Ion Ratio Lower Upper  
248 100  
250 94.0 80.4 120.6  
141 81.3 66.6 100.0

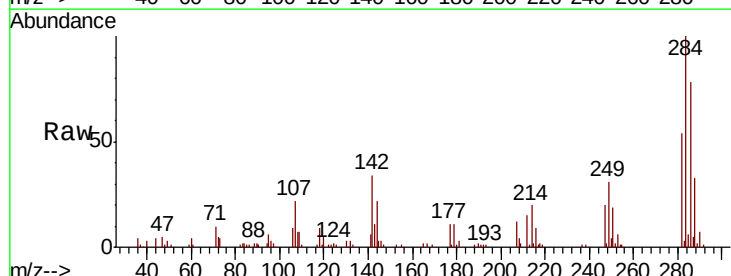


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

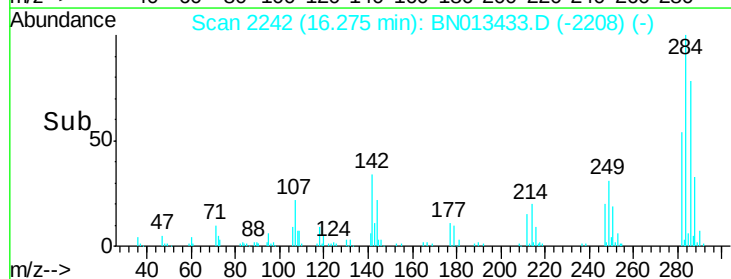
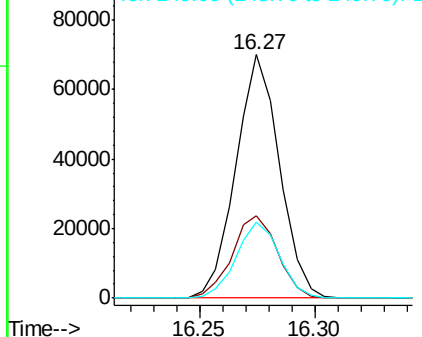


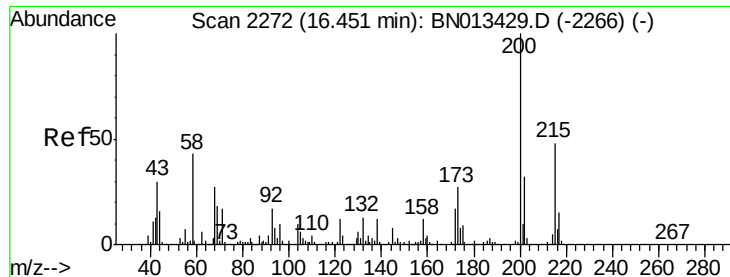
#69  
Hexachlorobenzene  
Concen: 4.212 ng/ul  
RT: 16.27 min Scan# 2242  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Tgt Ion:284 Resp: 92207  
Ion Ratio Lower Upper  
284 100  
142 34.0 29.8 44.6  
249 31.0 25.0 37.4



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

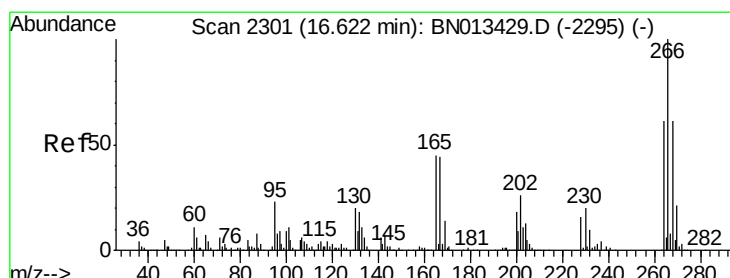
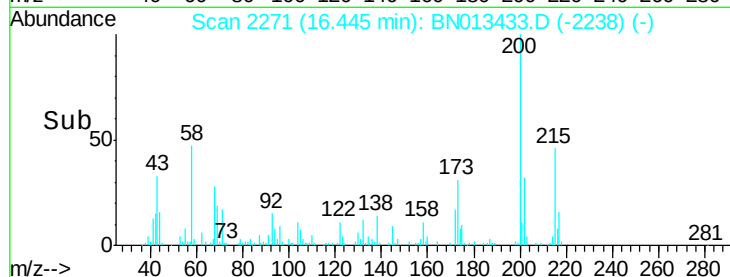
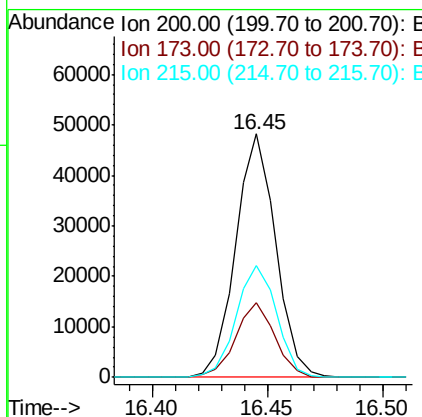
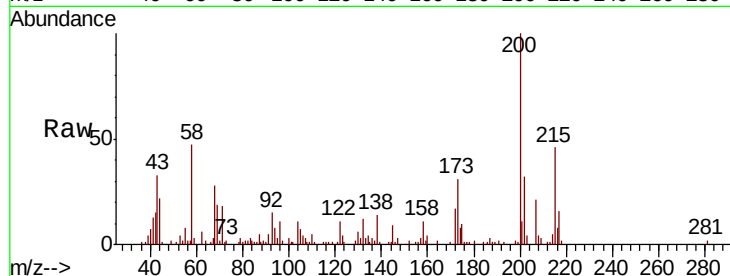




#70  
Atrazine  
Concen: 3.136 ng/ul  
RT: 16.45 min Scan# 2271  
Delta R.T. -0.01 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

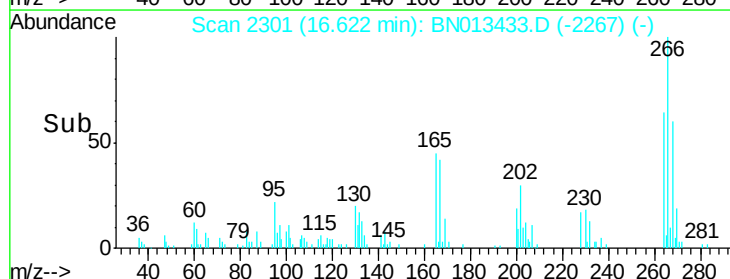
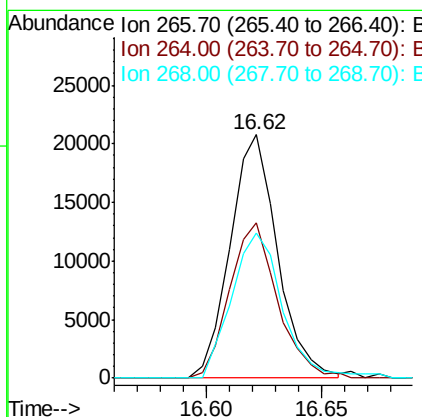
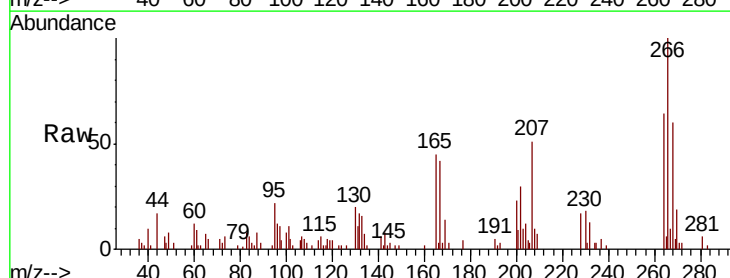
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

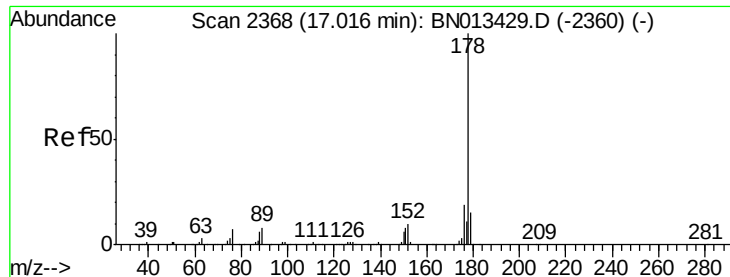
Tot Ion:200 Resp: 58107  
Ion Ratio Lower Upper  
200 100  
173 30.6 22.8 34.2  
215 46.2 39.6 59.4



#71  
Pentachlorophenol  
Concen: 2.396 ng/ul  
RT: 16.62 min Scan# 2301  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Tgt Ion:266 Resp: 29664  
Ion Ratio Lower Upper  
266 100  
264 63.5 50.8 76.2  
268 59.6 51.4 77.2

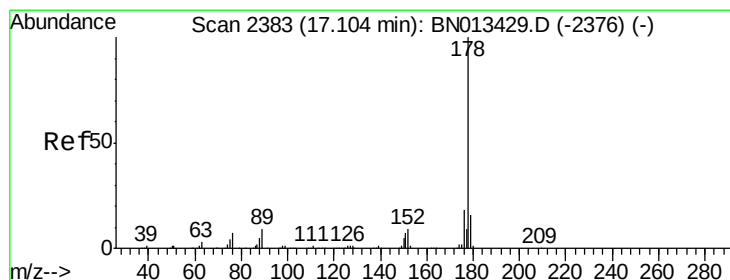
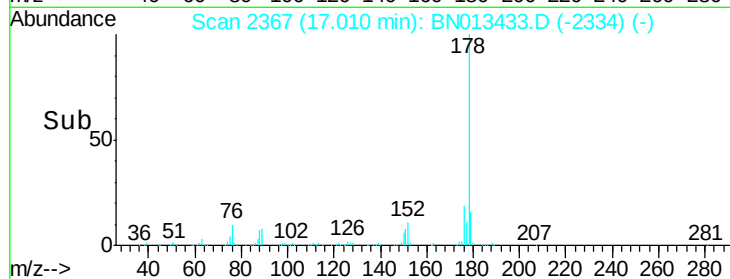
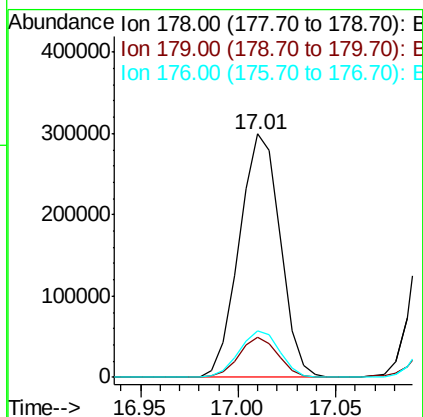
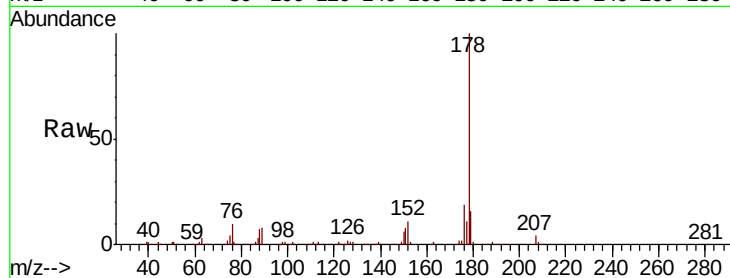




#72  
Phenanthrene  
Concen: 4.193 ng/ul  
RT: 17.01 min Scan# 2367  
Delta R.T. -0.01 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

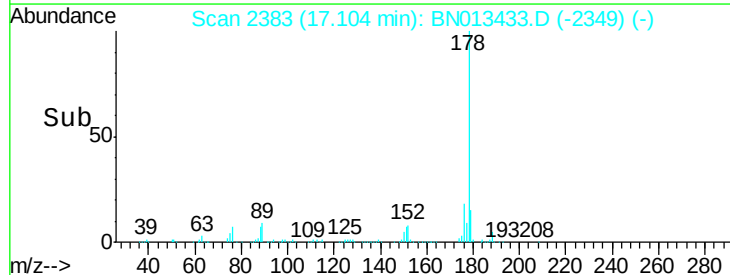
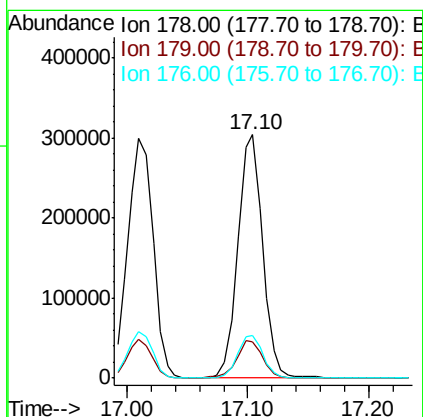
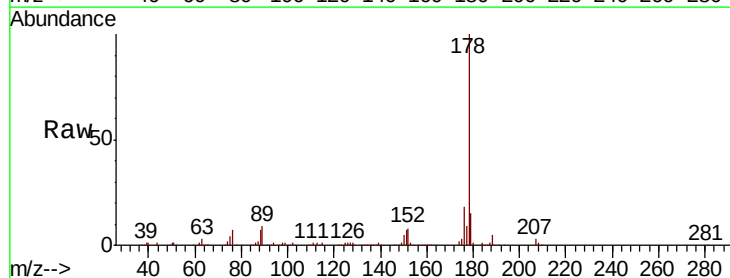
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

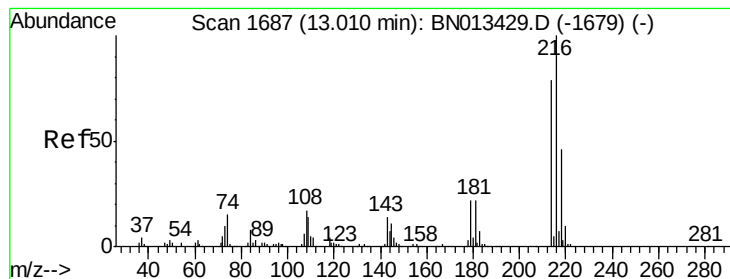
Tot Ion:178 Resp: 432157  
Ion Ratio Lower Upper  
178 100  
179 16.4 12.4 18.6  
176 19.3 14.6 22.0



#74  
Anthracene  
Concen: 4.169 ng/ul  
RT: 17.10 min Scan# 2383  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Tgt Ion:178 Resp: 433211  
Ion Ratio Lower Upper  
178 100  
179 14.8 12.5 18.7  
176 17.5 14.9 22.3





#75

1,2,3,4-Tetrachlorobenzene

Concen: 4.755 ng/uL

RT: 13.00 min Scan# 1686

Delta R.T. -0.01 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

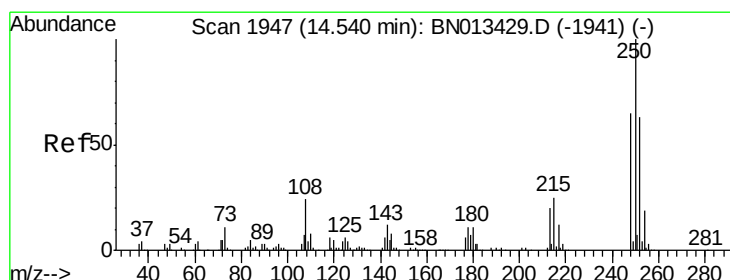
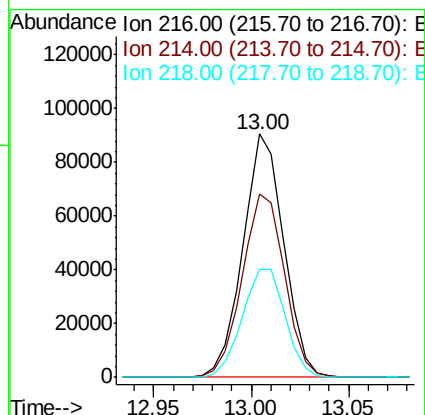
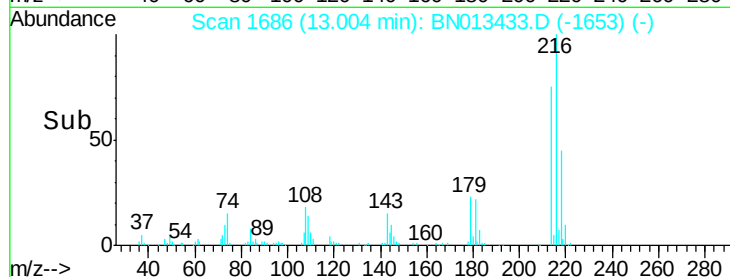
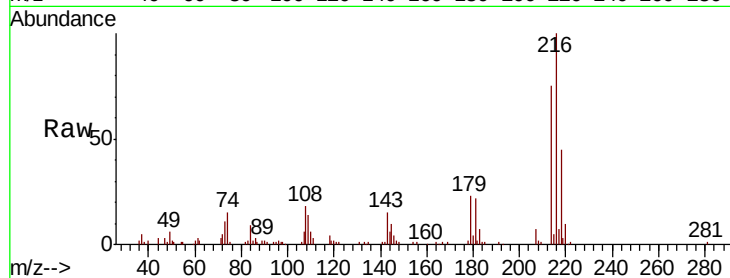
Tot Ion:216 Resp: 131569

Ion Ratio Lower Upper

216 100

214 75.3 63.5 95.3

218 44.6 37.2 55.8



#76

Pentachlorobenzene

Concen: 4.391 ng/uL

RT: 14.54 min Scan# 1947

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

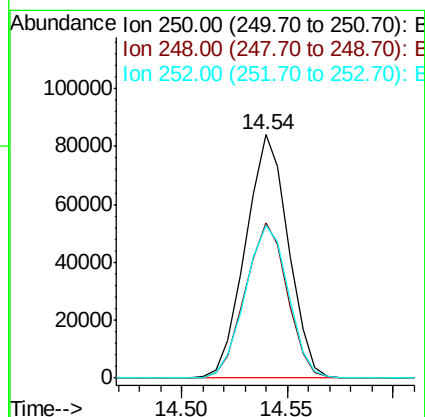
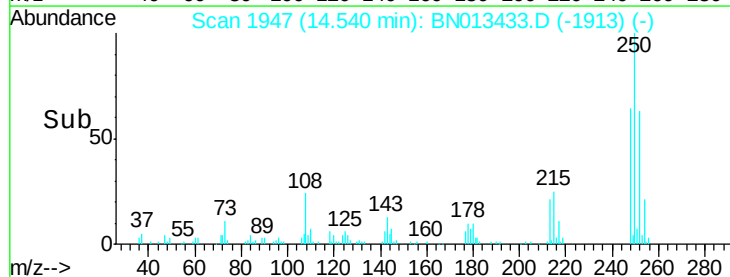
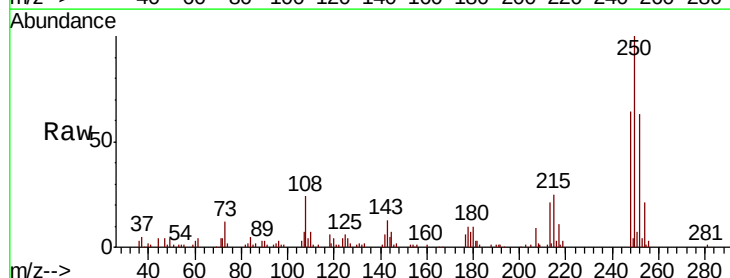
Tgt Ion:250 Resp: 118280

Ion Ratio Lower Upper

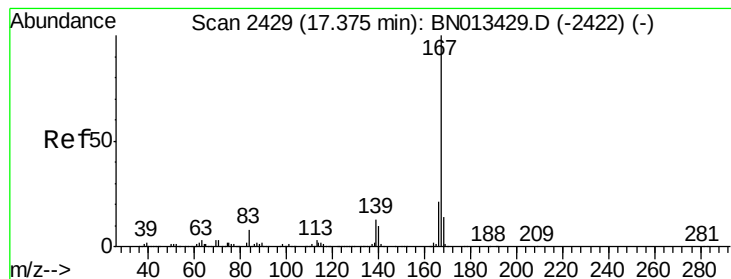
250 100

248 63.9 48.6 73.0

252 62.6 50.7 76.1







#77

Carbazole

Concen: 3.904 ng/ul

RT: 17.37 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

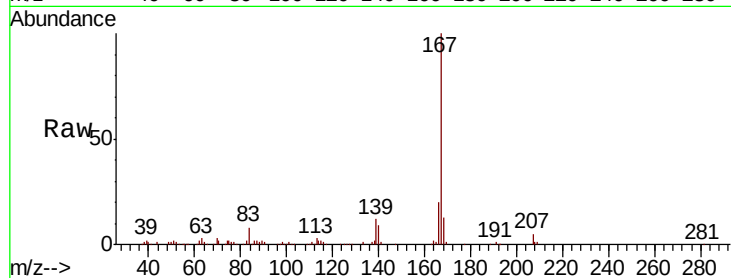
Tot Ion:167 Resp: 333439

Ion Ratio Lower Upper

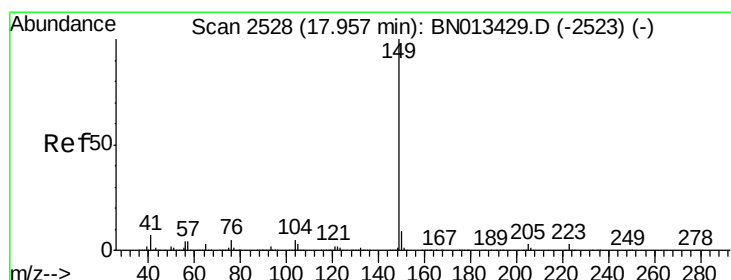
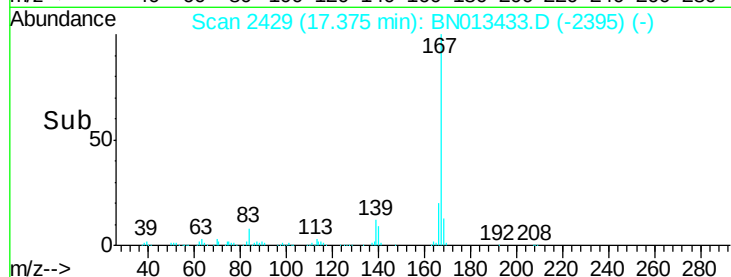
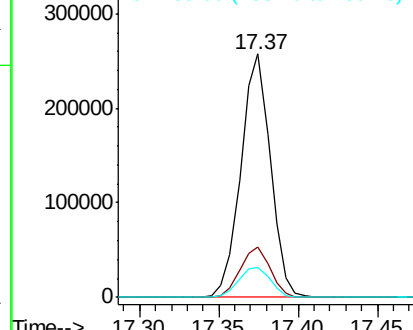
167 100

166 20.4 17.2 25.8

139 12.0 10.4 15.6



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



#78

Di-n-butylphthalate

Concen: 2.841 ng/ul

RT: 17.96 min Scan# 2528

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

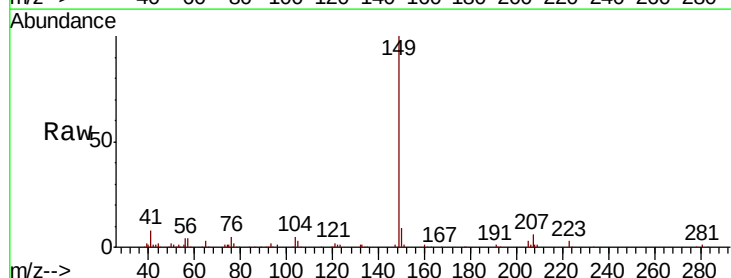
Tgt Ion:149 Resp: 289854

Ion Ratio Lower Upper

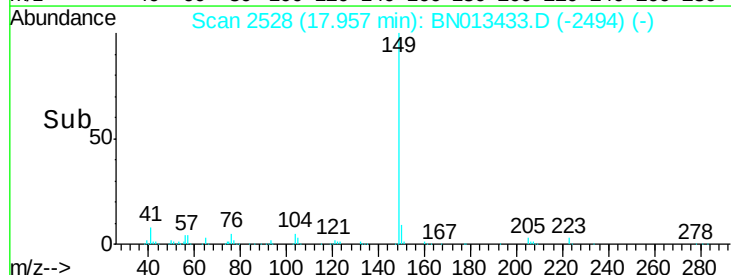
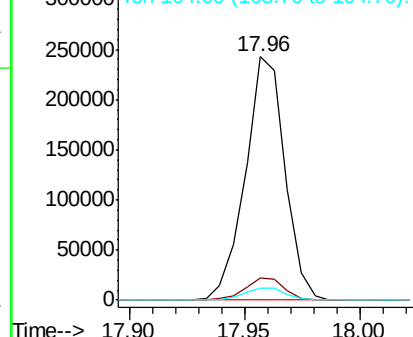
149 100

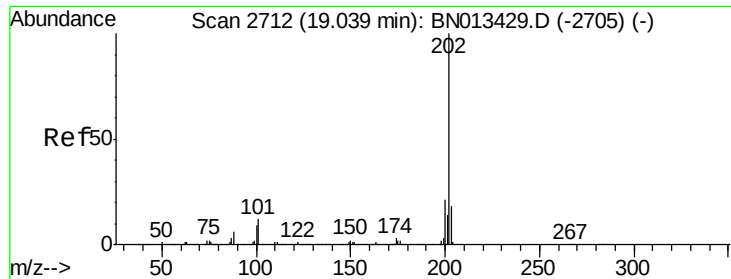
150 9.2 7.5 11.3

104 5.1 3.8 5.8



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

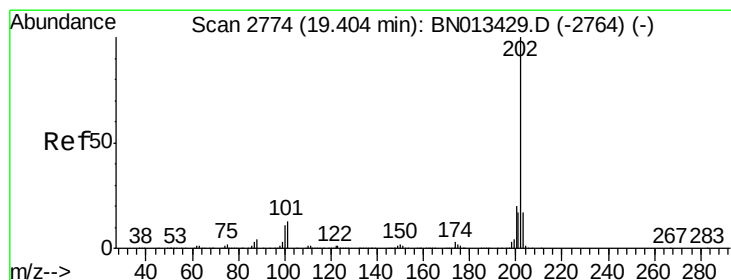
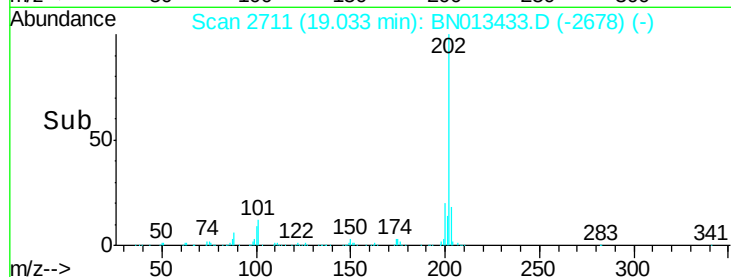
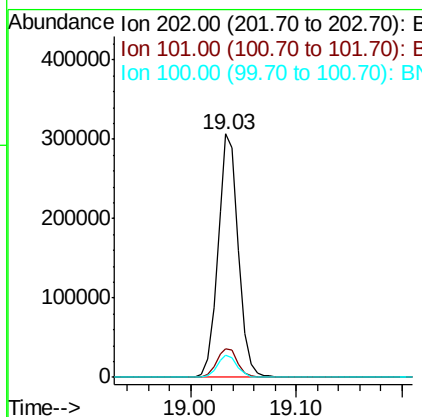
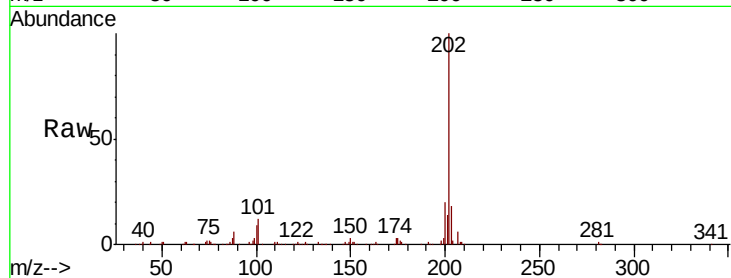




#80  
Fluoranthene  
Concen: 3.737 ng/ul  
RT: 19.03 min Scan# 2711  
Delta R.T. -0.01 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

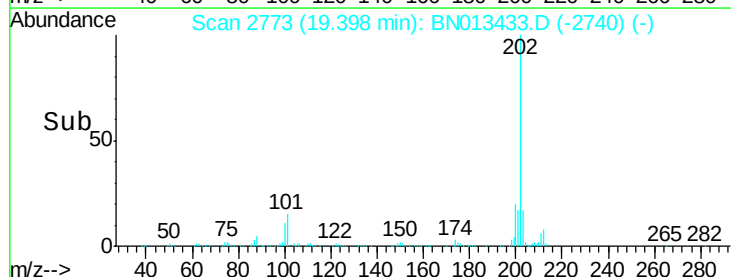
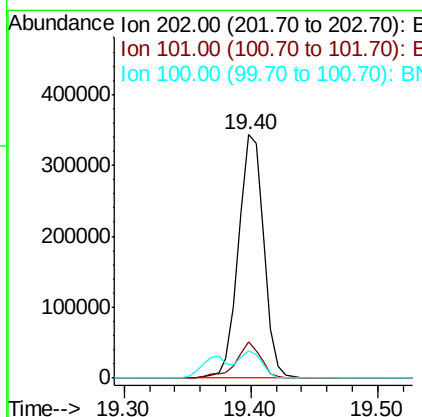
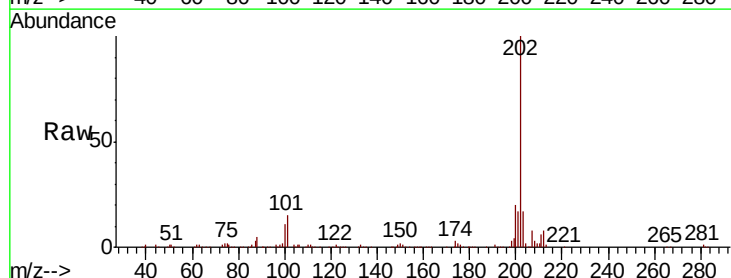
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

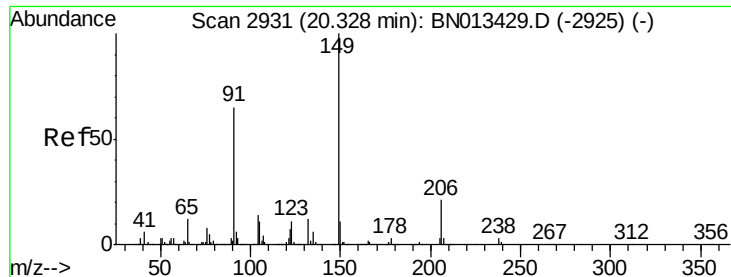
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 411921 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 11.8  | 9.8   | 14.6   |
| 100      | 9.3   | 7.7   | 11.5   |



#82  
Pyrene  
Concen: 4.152 ng/ul  
RT: 19.40 min Scan# 2773  
Delta R.T. -0.01 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 471672 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 15.0  | 10.9  | 16.3   |
| 100      | 11.4  | 9.2   | 13.8   |

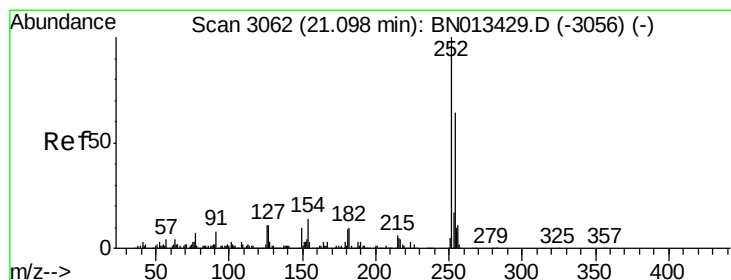
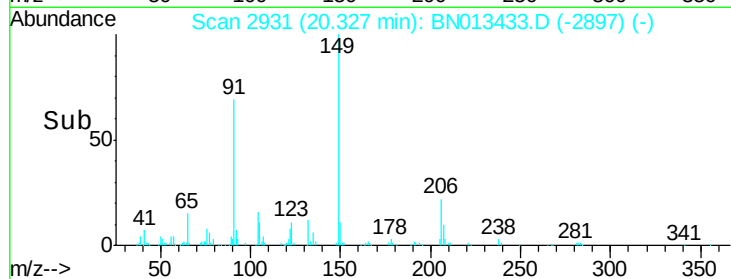
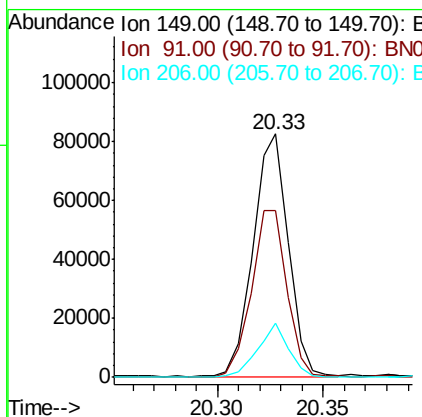
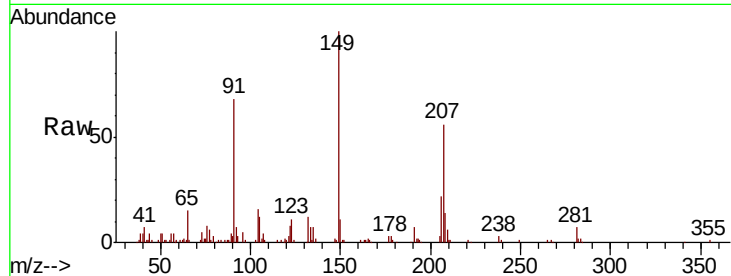




#83  
Butylbenzylphthalate  
Concen: 2.422 ng/ul  
RT: 20.33 min Scan# 2931  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

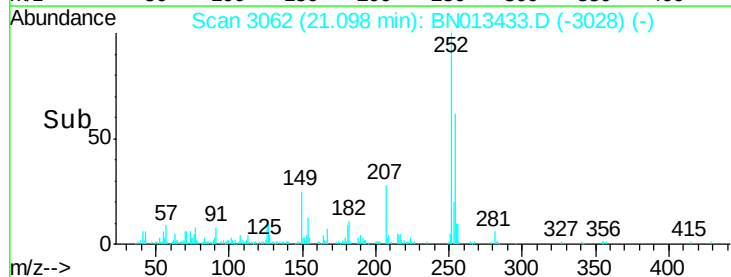
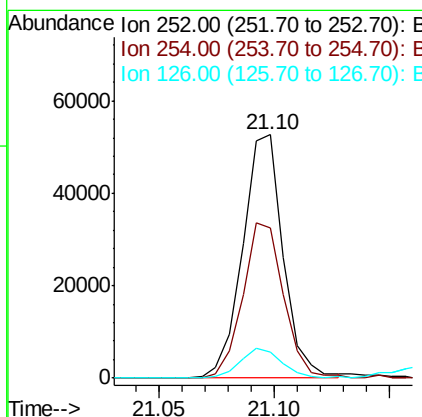
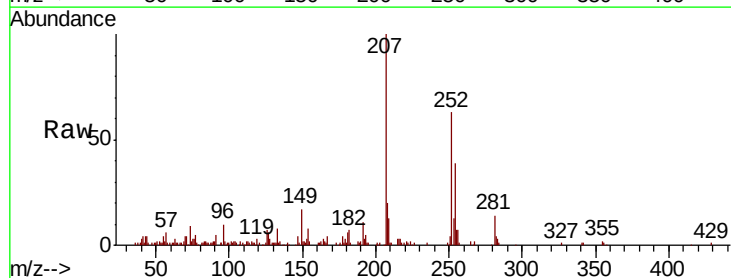
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

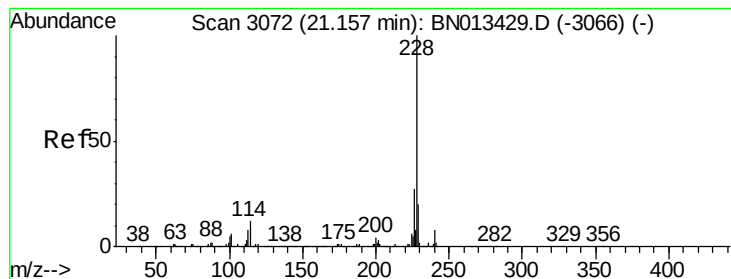
Tot Ion:149 Resp: 96604  
Ion Ratio Lower Upper  
149 100  
91 68.3 53.3 79.9  
206 22.1 15.4 23.0



#84  
3,3'-Dichlorobenzidine  
Concen: 2.325 ng/ul  
RT: 21.10 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Tgt Ion:252 Resp: 64529  
Ion Ratio Lower Upper  
252 100  
254 61.8 53.8 80.8  
126 10.5 9.0 13.4





#85

Benzo(a)anthracene

Concen: 3.937 ng/ul

RT: 21.16 min Scan# 3072

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

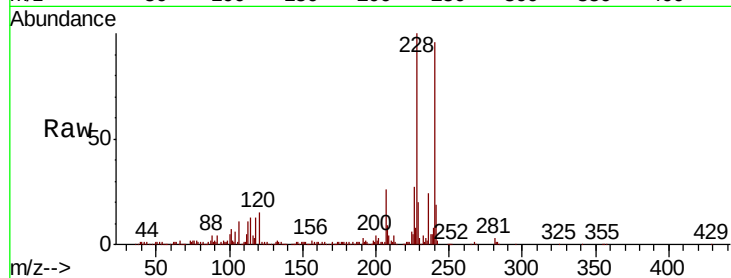
Tot Ion:228 Resp: 388257

Ion Ratio Lower Upper

228 100

229 19.7 16.0 24.0

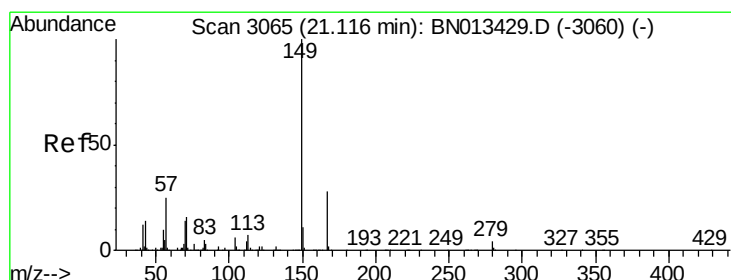
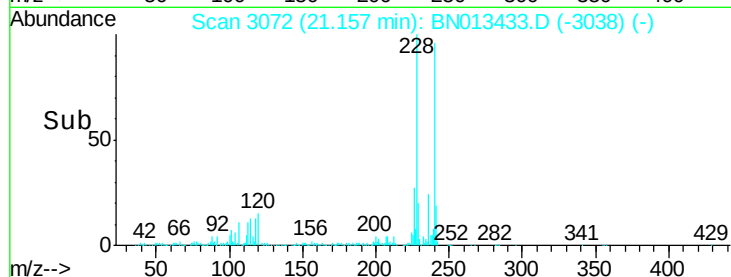
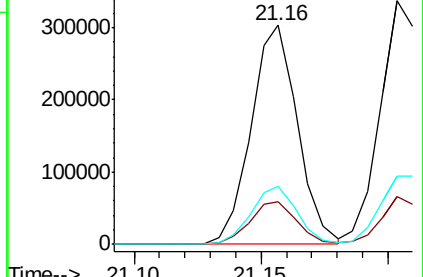
226 26.5 21.5 32.3



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: 2.530 ng/ul

RT: 21.12 min Scan# 3065

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

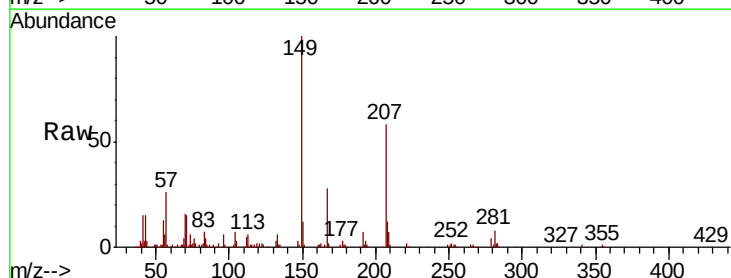
Tgt Ion:149 Resp: 145481

Ion Ratio Lower Upper

149 100

167 27.7 22.1 33.1

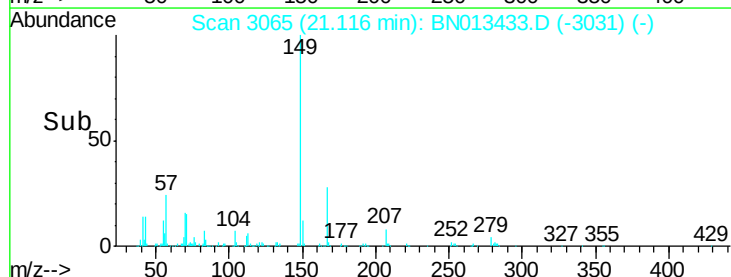
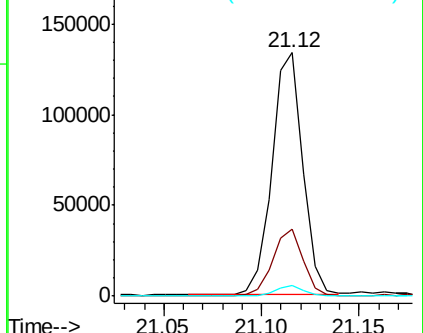
279 4.4 3.5 5.3

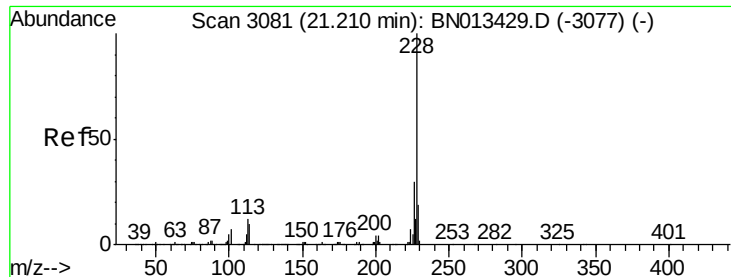


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87

Chrysene

Concen: 4.239 ng/ul

RT: 21.20 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

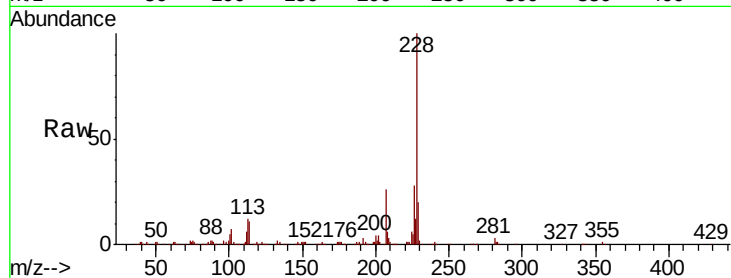
Tot Ion:228 Resp: 411912

Ion Ratio Lower Upper

228 100

226 28.2 23.8 35.8

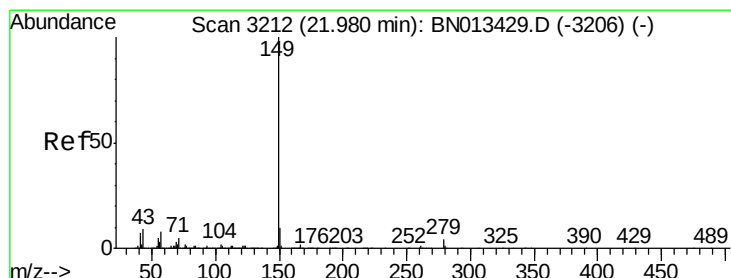
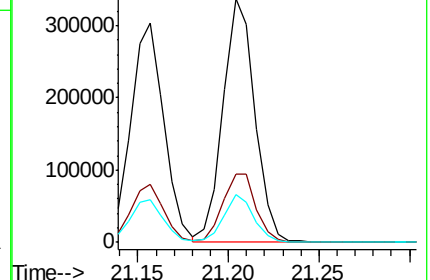
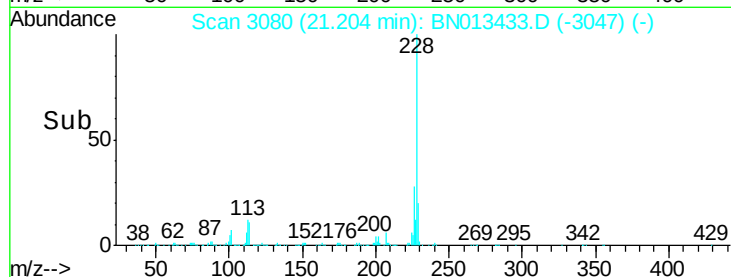
229 19.6 15.8 23.6



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: 2.296 ng/ul

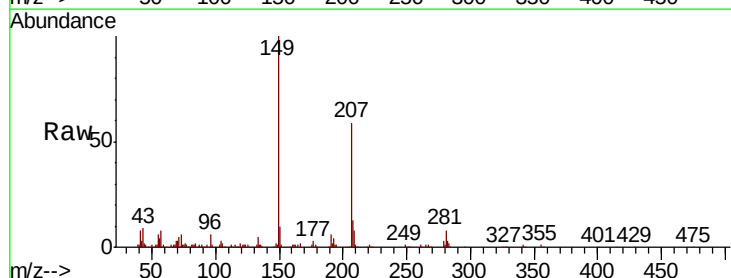
RT: 21.98 min Scan# 3212

Delta R.T. -0.00 min

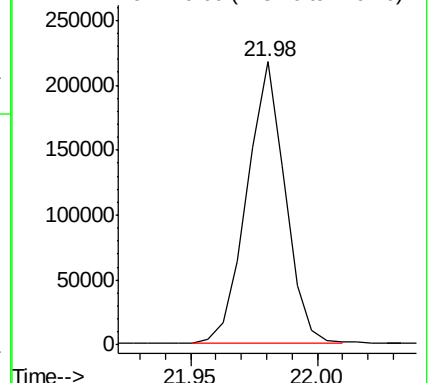
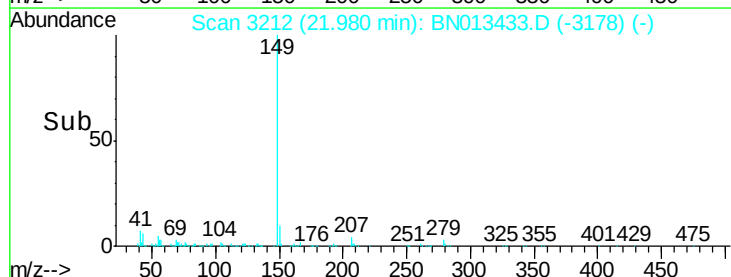
Lab File: BN013433.D

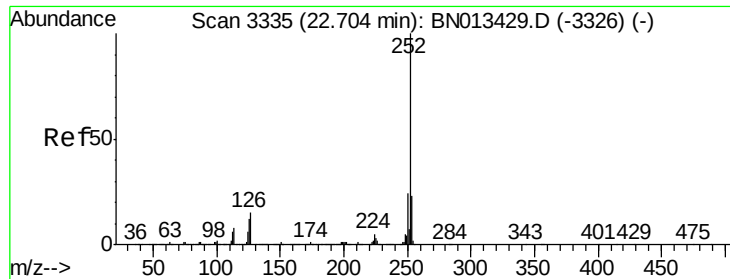
Acq: 20 Jan 2021 11:24

Tgt Ion:149 Resp: 227834



Abundance Ion 149.00 (148.70 to 149.70): E





#90

Benzo(b)fluoranthene

Concen: 3.811 ng/ul

RT: 22.70 min Scan# 3335

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

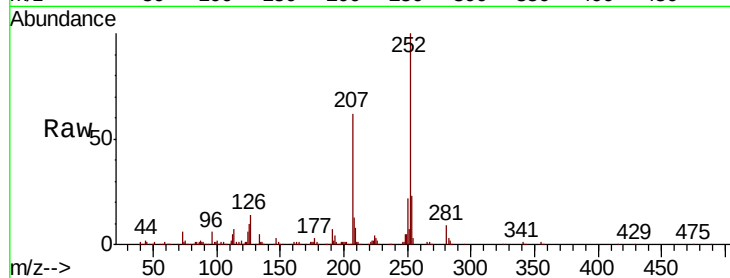
Tot Ion:252 Resp: 390953

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

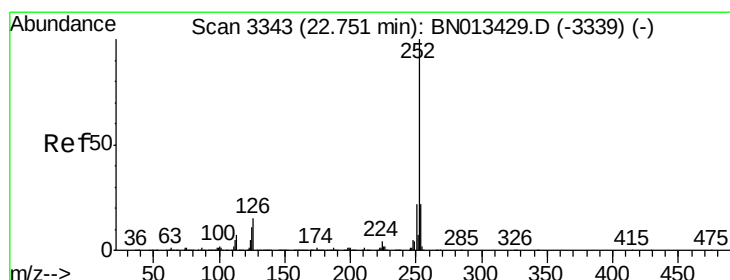
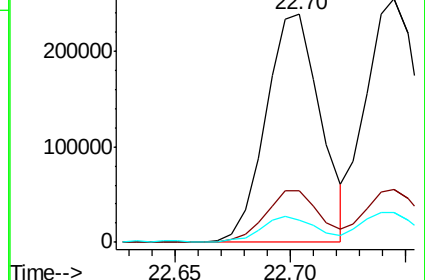
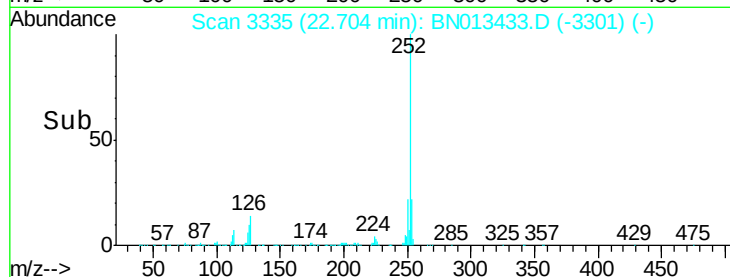
125 9.8 9.4 14.2



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



#91

Benzo(k)fluoranthene

Concen: 4.097 ng/ul

RT: 22.74 min Scan# 3342

Delta R.T. -0.01 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

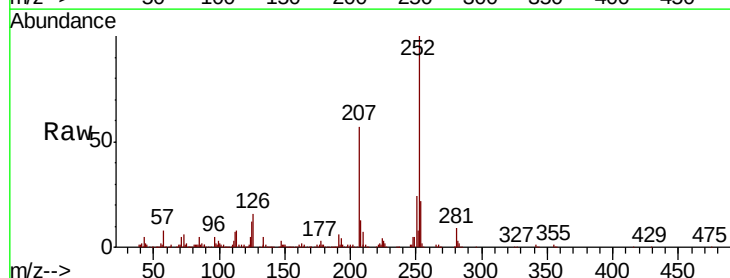
Tgt Ion:252 Resp: 413552

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

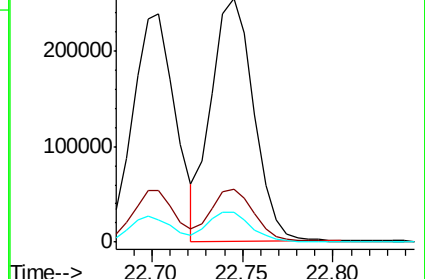
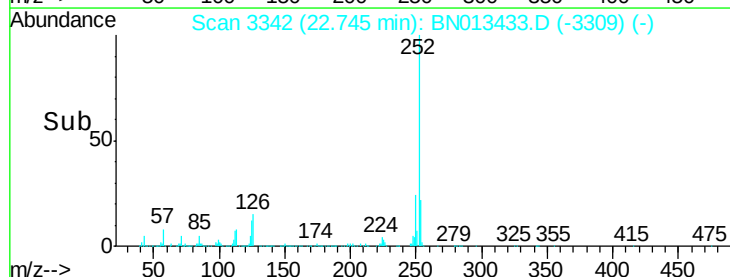
125 12.2 9.2 13.8

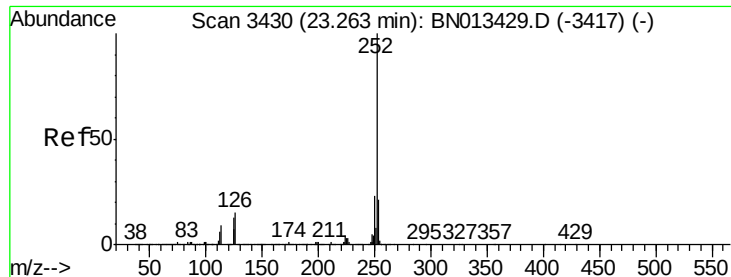


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#93

Benzo(a)pyrene

Concen: 4.204 ng/ul

RT: 23.26 min Scan# 3430

Delta R.T. -0.00 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2021-02

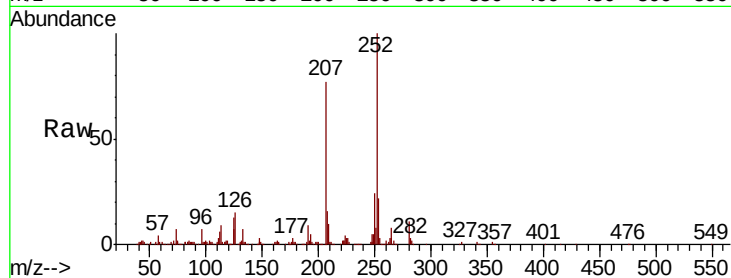
Tot Ion:252 Resp: 385488

Ion Ratio Lower Upper

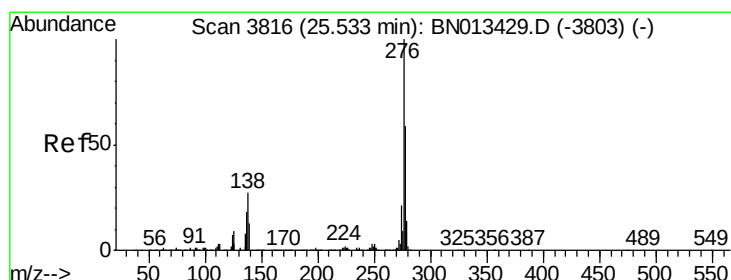
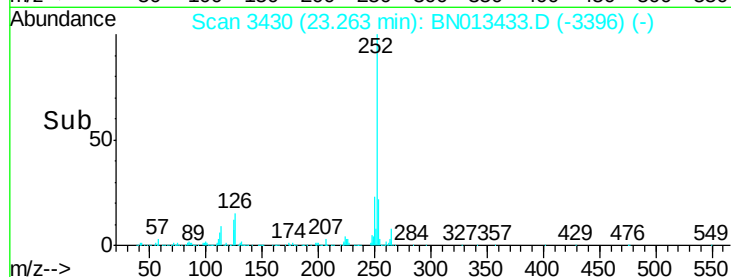
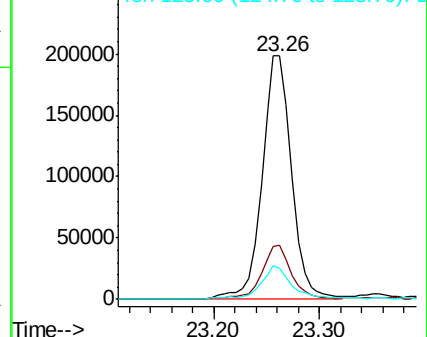
252 100

253 22.1 17.3 25.9

125 12.6 9.8 14.6



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: 4.659 ng/ul

RT: 25.52 min Scan# 3814

Delta R.T. -0.01 min

Lab File: BN013433.D

Acq: 20 Jan 2021 11:24

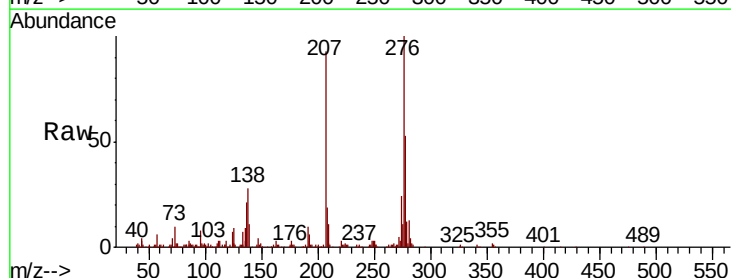
Tgt Ion:276 Resp: 482358

Ion Ratio Lower Upper

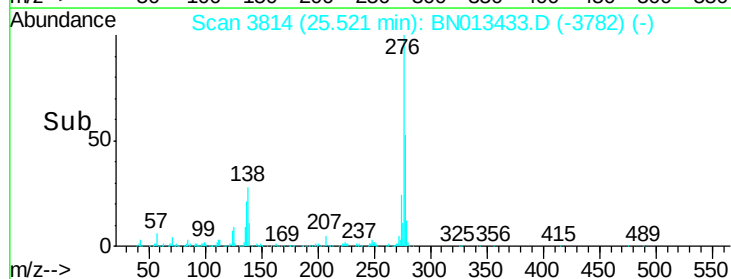
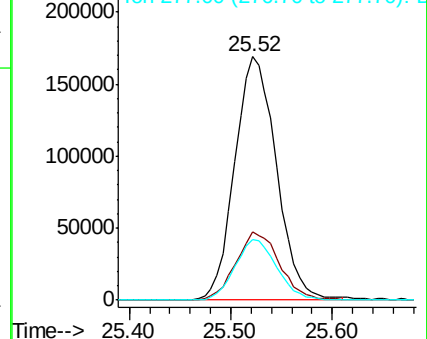
276 100

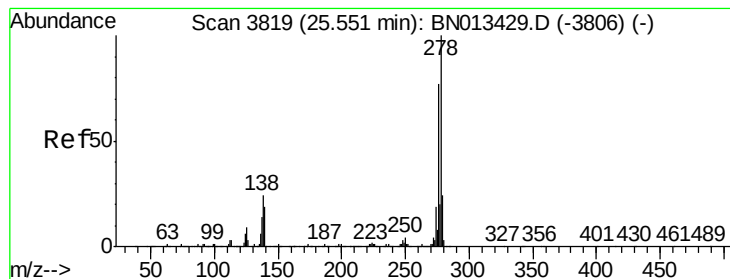
138 28.3 21.6 32.4

277 24.7 19.4 29.0



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



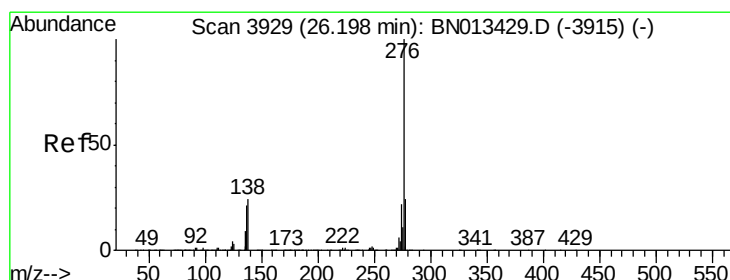
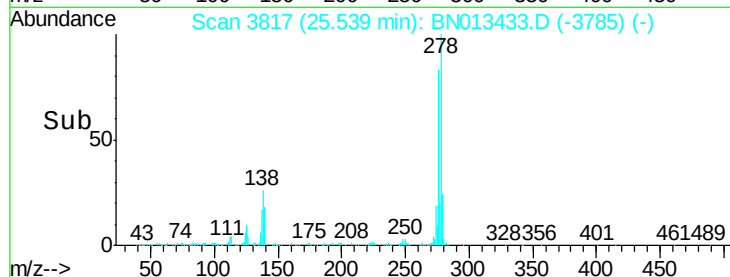
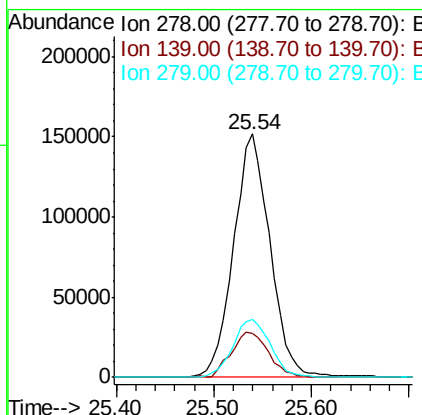
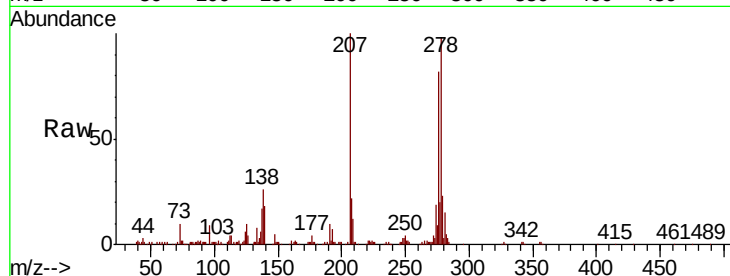


#95

Dibenzo(a,h)anthracene  
Concen: 4.567 ng/ul  
RT: 25.54 min Scan# 3817  
Delta R.T. -0.01 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2021-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 18.0  | 13.5  | 20.3  |
| 279     | 23.7  | 19.1  | 28.7  |



#96

Benzo(g,h,i)perylene  
Concen: 4.440 ng/ul  
RT: 26.19 min Scan# 3927  
Delta R.T. -0.01 min  
Lab File: BN013433.D  
Acq: 20 Jan 2021 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 25.3  | 18.6  | 28.0  |
| 277     | 23.0  | 18.9  | 28.3  |

