

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070620\  
 Data File : BF120770.D  
 Acq On : 6 Jul 2020 11:05  
 Operator : JU/CG  
 Sample : L2182-01  
 Misc : LOD-MDL-SOIL-01-4PPM  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

Quant Time: Jul 06 13:43:02 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 06 13:16:53 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 136248   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 514204   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.89  | 164  | 255323   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.37 | 188  | 464300   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.00 | 240  | 361271   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.46 | 264  | 311411   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.46  | 112 | 986507  | 111.77 | ng | 0.00 |
| 7) Phenol-d6             | 6.47  | 99  | 1204149 | 106.83 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.41  | 82  | 1016102 | 114.49 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 302442  | 117.91 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.21  | 172 | 1756138 | 104.06 | ng | 0.00 |
| 79) Terphenyl-d14        | 12.96 | 244 | 1747054 | 94.68  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.59 | 88  | 15616  | 3.873 | ng | 99     |
| 3) Pyridine                    | 3.40 | 79  | 33605  | 3.043 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.27 | 42  | 19729  | 3.571 | ng | # 87   |
| 6) Aniline                     | 6.51 | 93  | 55717  | 3.849 | ng | 99     |
| 8) 2-Chlorophenol              | 6.63 | 128 | 35689  | 3.798 | ng | 88     |
| 9) Benzaldehyde                | 6.40 | 77  | 30051  | 4.483 | ng | 99     |
| 10) Phenol                     | 6.48 | 94  | 45832  | 3.953 | ng | 86     |
| 11) bis(2-Chloroethyl)ether    | 6.58 | 93  | 35528  | 3.765 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.79 | 146 | 39997  | 3.867 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 6.86 | 146 | 39053  | 3.770 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.02 | 146 | 37250  | 3.779 | ng | 97     |
| 15) Benzyl Alcohol             | 6.98 | 79  | 29507  | 3.484 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45  | 54732  | 3.719 | ng | 99     |
| 17) 2-Methylphenol             | 7.09 | 107 | 28083  | 3.341 | ng | 96     |
| 18) Hexachloroethane           | 7.36 | 117 | 14517  | 3.728 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70  | 25222  | 3.716 | ng | 90     |
| 20) 3+4-Methylphenols          | 7.24 | 107 | 36046  | 3.481 | ng | 94     |
| 22) Acetophenone               | 7.25 | 105 | 53594  | 4.193 | ng | 95     |
| 24) Nitrobenzene               | 7.43 | 77  | 42162  | 4.231 | ng | 100    |
| 25) Isophorone                 | 7.66 | 82  | 67630  | 3.533 | ng | 97     |
| 26) 2-Nitrophenol              | 7.74 | 139 | 8316   | 2.283 | ng | # 86   |
| 27) 2,4-Dimethylphenol         | 7.77 | 122 | 29784  | 3.898 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93  | 42293  | 3.734 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.98 | 162 | 24621  | 3.228 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.07 | 180 | 29476  | 3.441 | ng | 94     |
| 31) Naphthalene                | 8.15 | 128 | 107224 | 3.902 | ng | 98     |
| 32) Benzoic acid               | 7.82 | 122 | 6048   | 1.463 | ng | 92     |
| 33) 4-Chloroaniline            | 8.20 | 127 | 40009  | 3.431 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.27 | 225 | 16475  | 3.197 | ng | 99     |
| 35) Caprolactam                | 8.52 | 113 | 7306   | 3.287 | ng | 91     |
| 36) 4-Chloro-3-methylphenol    | 8.66 | 107 | 26170  | 3.298 | ng | 96     |
| 37) 2-Methylnaphthalene        | 8.84 | 142 | 67257  | 3.765 | ng | 96     |
| 38) 1-Methylnaphthalene        | 8.84 | 142 | 67257  | 4.019 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 28820  | 3.735 | ng | # 97   |

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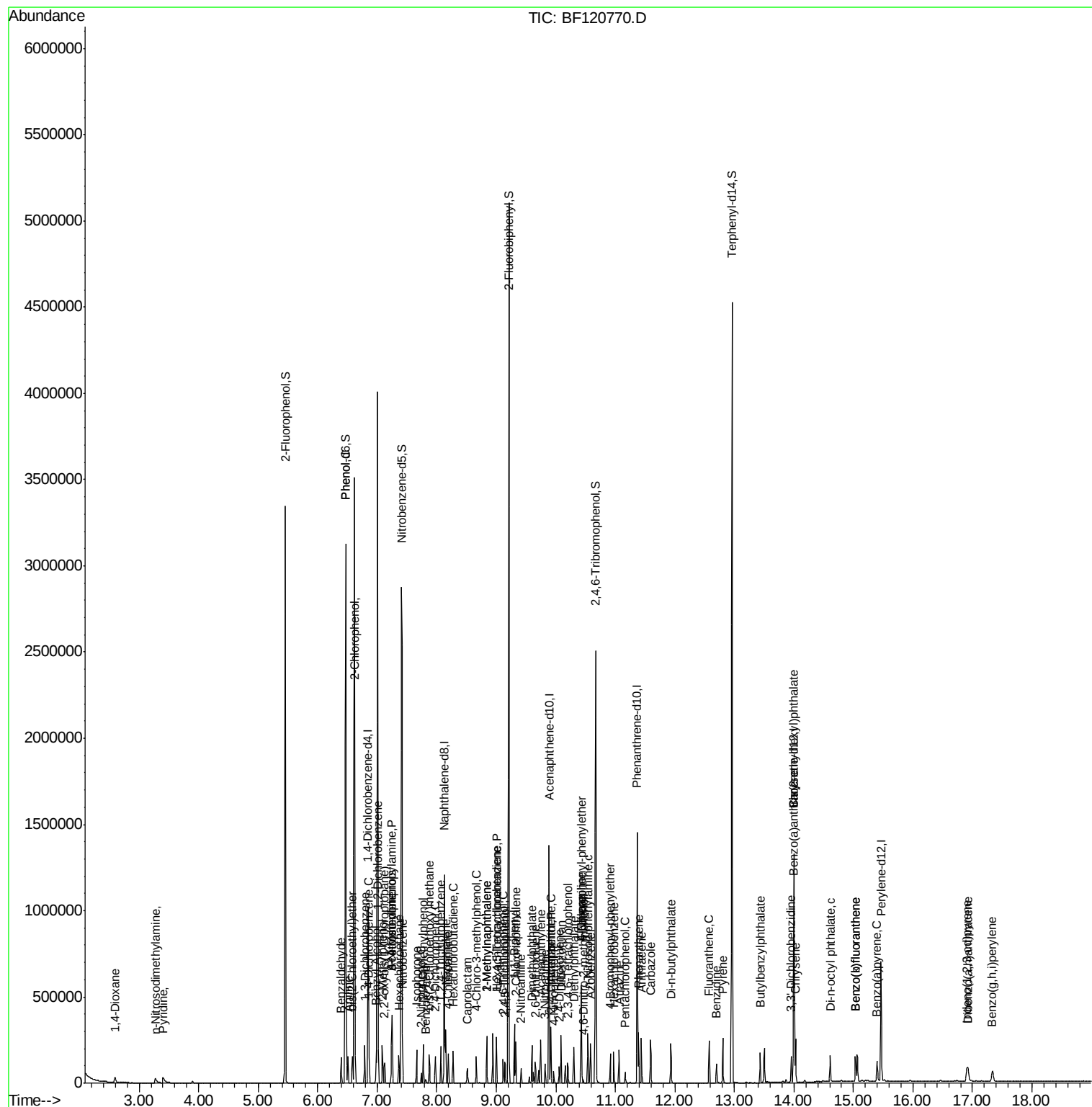
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.00  | 237  | 14417    | 3.162 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol      | 9.12  | 196  | 14929    | 2.839 | ng    | 94       |
| 44) 2,4,5-Trichlorophenol      | 9.15  | 196  | 16805    | 2.880 | ng    | 96       |
| 46) 1,1'-Biphenyl              | 9.30  | 154  | 90324    | 4.386 | ng    | 96       |
| 47) 2-Chloronaphthalene        | 9.33  | 162  | 59541    | 3.609 | ng    | 98       |
| 48) 2-Nitroaniline             | 9.42  | 65   | 11490    | 2.603 | ng    | # 83     |
| 49) Acenaphthylene             | 9.75  | 152  | 94473    | 3.652 | ng    | 98       |
| 50) Dimethylphthalate          | 9.60  | 163  | 66977    | 3.596 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.66  | 165  | 9576     | 2.846 | ng    | # 80     |
| 52) Acenaphthene               | 9.92  | 154  | 58229    | 3.629 | ng    | 97       |
| 53) 3-Nitroaniline             | 9.82  | 138  | 11490    | 2.764 | ng    | # 90     |
| 54) 2,4-Dinitrophenol          | 9.93  | 184  | 1000     | 0.900 | ng    | # 1      |
| 55) Dibenzofuran               | 10.09 | 168  | 87259    | 3.772 | ng    | 98       |
| 56) 4-Nitrophenol              | 9.97  | 139  | 6758     | 2.213 | ng    | # 76     |
| 57) 2,4-Dinitrotoluene         | 10.06 | 165  | 9532     | 2.360 | ng    | # 87     |
| 58) Fluorene                   | 10.43 | 166  | 65858    | 3.825 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.20 | 232  | 12495    | 2.877 | ng    | # 82     |
| 60) Diethylphthalate           | 10.30 | 149  | 66491    | 3.427 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.43 | 204  | 31280    | 3.614 | ng    | 97       |
| 62) 4-Nitroaniline             | 10.43 | 138  | 10955    | 2.768 | ng    | 97       |
| 63) Azobenzene                 | 10.59 | 77   | 74748    | 3.766 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 10.46 | 198  | 1950     | 1.307 | ng    | 86       |
| 66) n-Nitrosodiphenylamine     | 10.54 | 169  | 54059    | 3.474 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.92 | 248  | 16653    | 3.092 | ng    | 91       |
| 68) Hexachlorobenzene          | 10.97 | 284  | 17999    | 3.185 | ng    | # 84     |
| 69) Atrazine                   | 11.06 | 200  | 16549    | 4.128 | ng    | 96       |
| 70) Pentachlorophenol          | 11.17 | 266  | 6780     | 2.120 | ng    | 93       |
| 71) Phenanthrene               | 11.39 | 178  | 94036    | 3.733 | ng    | 98       |
| 72) Anthracene                 | 11.44 | 178  | 92696    | 3.641 | ng    | 98       |
| 73) Carbazole                  | 11.59 | 167  | 84504    | 3.454 | ng    | 98       |
| 74) Di-n-butylphthalate        | 11.93 | 149  | 92958    | 3.069 | ng    | 99       |
| 75) Fluoranthene               | 12.57 | 202  | 92783    | 3.457 | ng    | 98       |
| 77) Benzidine                  | 12.70 | 184  | 38657    | 3.791 | ng    | # 94     |
| 78) Pyrene                     | 12.80 | 202  | 97758    | 3.388 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.43 | 149  | 28825    | 2.314 | ng    | 90       |
| 81) Benzo(a)anthracene         | 13.99 | 228  | 85331    | 3.685 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.96 | 252  | 25229    | 3.228 | ng    | # 96     |
| 83) Chrysene                   | 14.03 | 228  | 78538    | 3.325 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149  | 52916    | 3.239 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.61 | 149  | 65330    | 2.261 | ng    | # 94     |
| 87) Indeno(1,2,3-cd)pyrene     | 16.90 | 276  | 57851    | 2.896 | ng    | 95       |
| 88) Benzo(b)fluoranthene       | 15.04 | 252  | 64851    | 3.168 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 15.04 | 252  | 64851    | 3.255 | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.40 | 252  | 55685    | 3.049 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.93 | 278  | 49603    | 2.980 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.33 | 276  | 47479    | 3.121 | ng    | 98       |

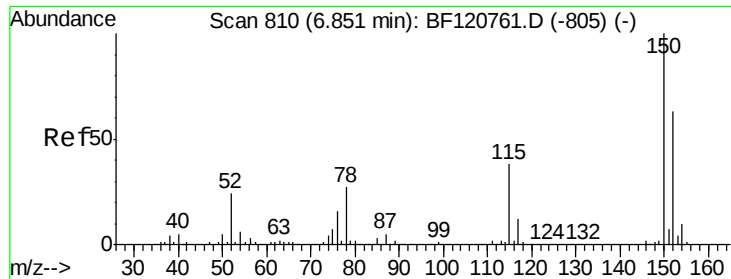
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

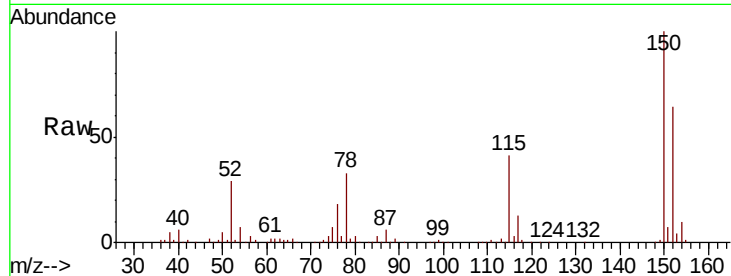
Tot Ion:152 Resp: 136248

Ion Ratio Lower Upper

152 100

150 157.1 126.1 189.1

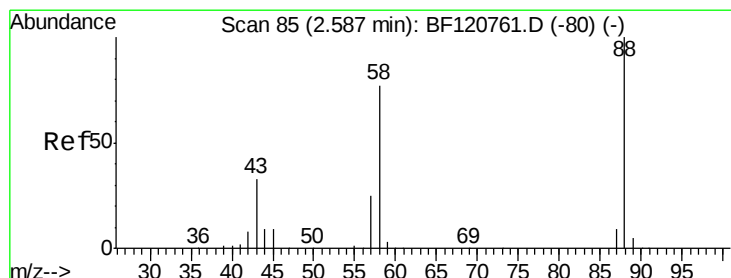
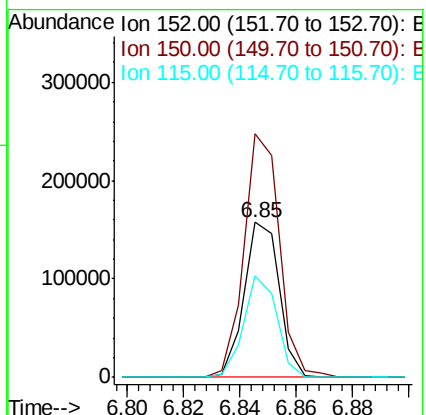
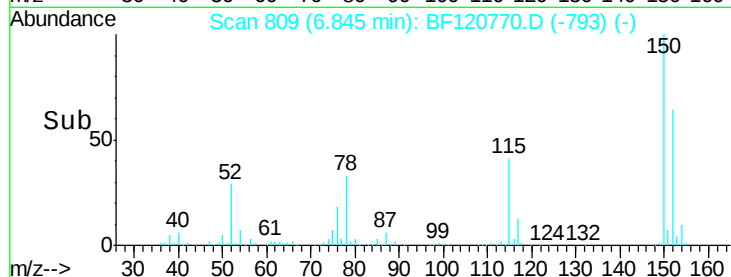
115 65.2 48.5 72.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.873 ng

RT: 2.59 min Scan# 86

Delta R.T. 0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

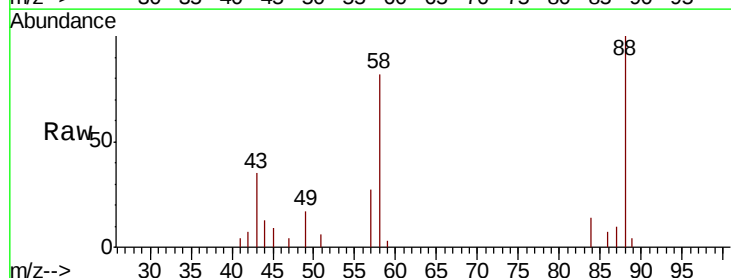
Tgt Ion: 88 Resp: 15616

Ion Ratio Lower Upper

88 100

58 74.2 60.4 90.6

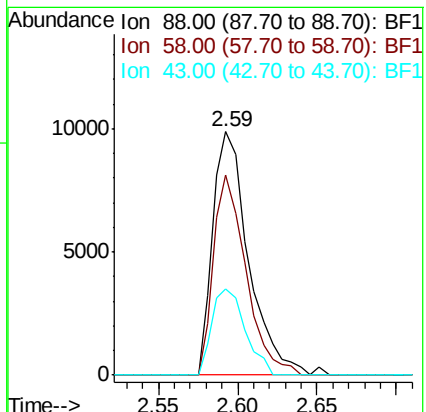
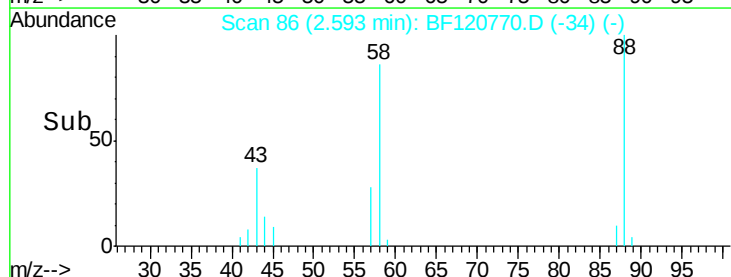
43 32.7 26.3 39.5

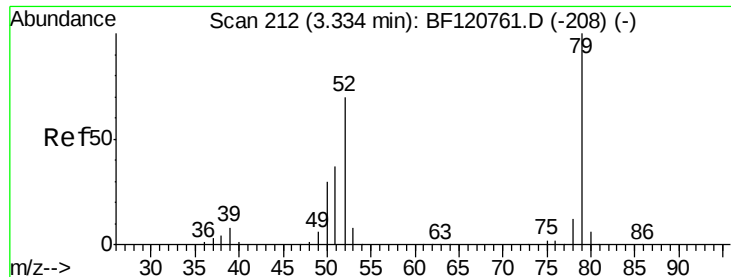


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 3.043 ng

RT: 3.40 min Scan# 223

Delta R.T. 0.06 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

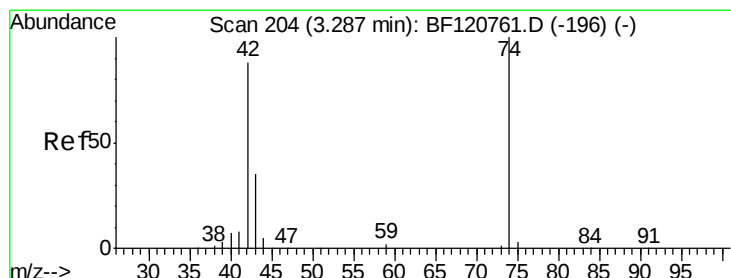
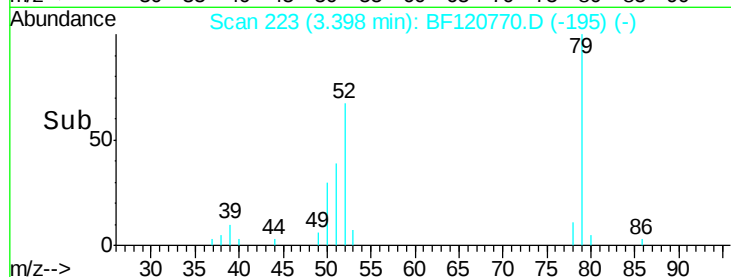
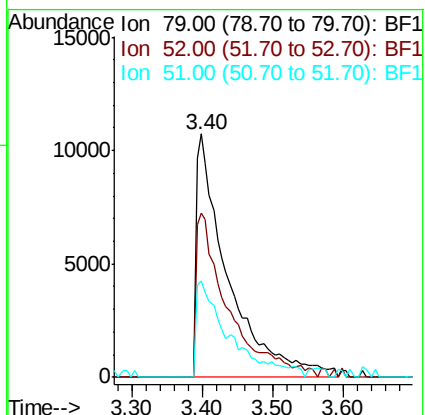
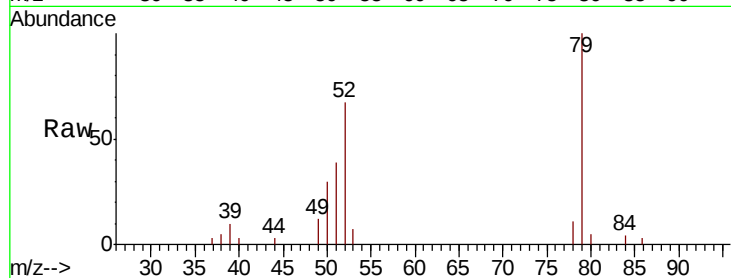
Tot Ion: 79 Resp: 33605

Ion Ratio Lower Upper

79 100

52 67.4 56.3 84.5

51 39.3 30.1 45.1



#4

n-Nitrosodimethylamine

Concen: 3.571 ng

RT: 3.27 min Scan# 202

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

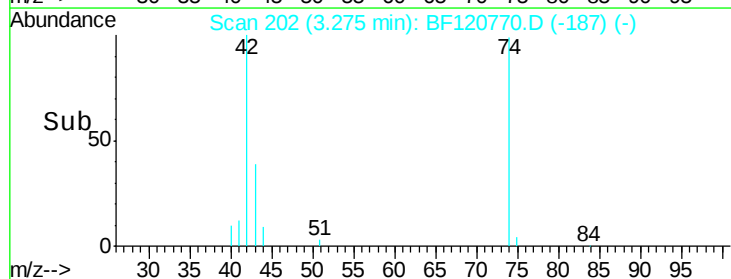
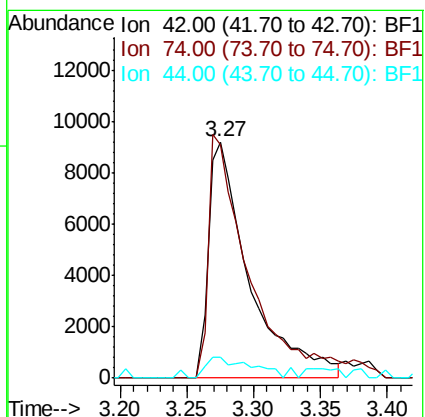
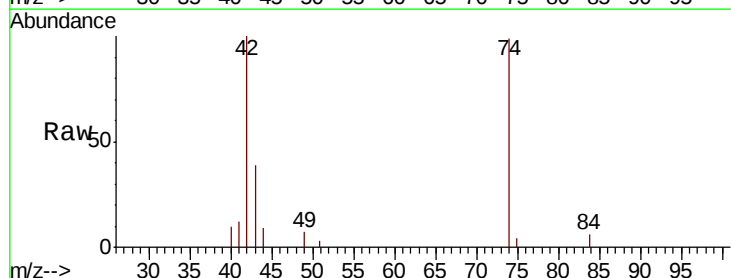
Tgt Ion: 42 Resp: 19729

Ion Ratio Lower Upper

42 100

74 98.6 90.8 136.2

44 9.1 5.8 8.8#





#5

2-Fluorophenol

Concen: 111.768 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

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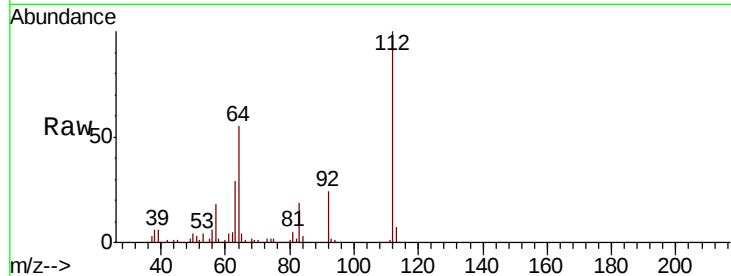
Tot Ion:112 Resp: 986507

Ion Ratio Lower Upper

112 100

64 54.7 43.8 65.6

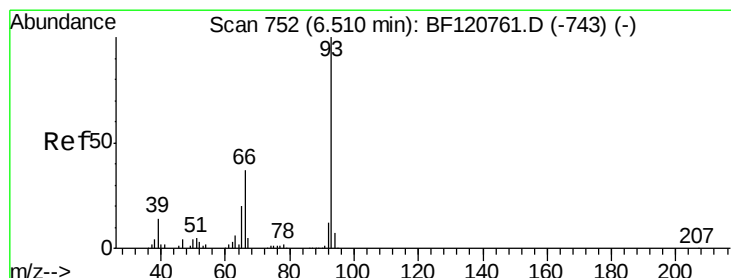
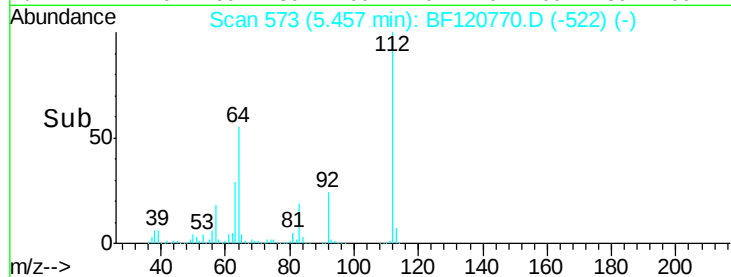
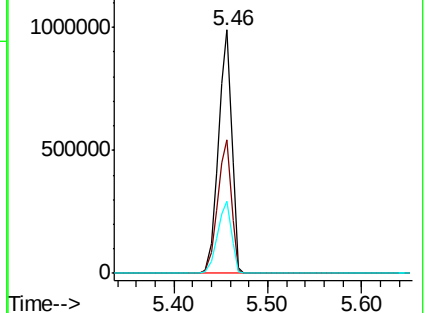
63 29.4 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 3.849 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

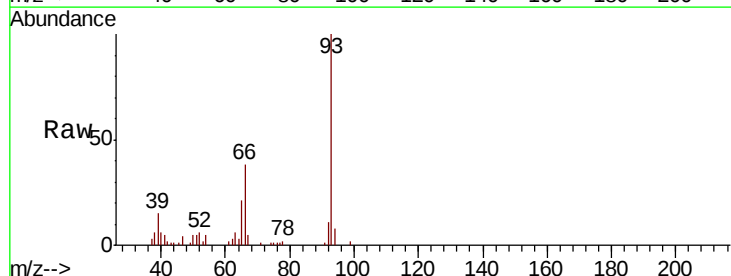
Tgt Ion: 93 Resp: 55717

Ion Ratio Lower Upper

93 100

66 38.1 31.3 46.9

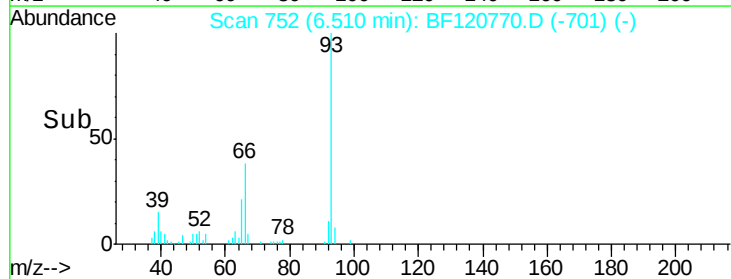
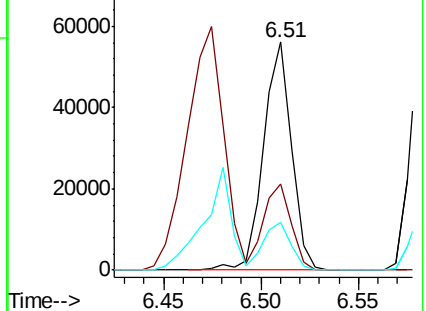
65 20.9 16.5 24.7

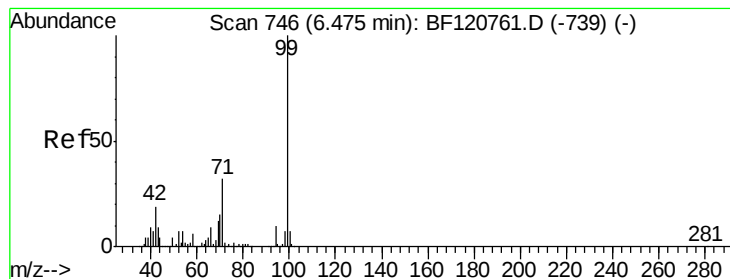


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 106.830 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120770.D

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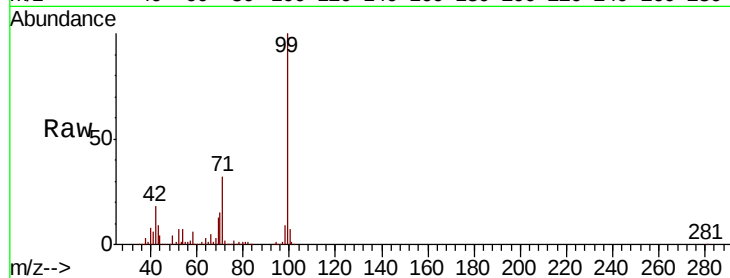
Tot Ion: 99 Resp: 1204149

Ion Ratio Lower Upper

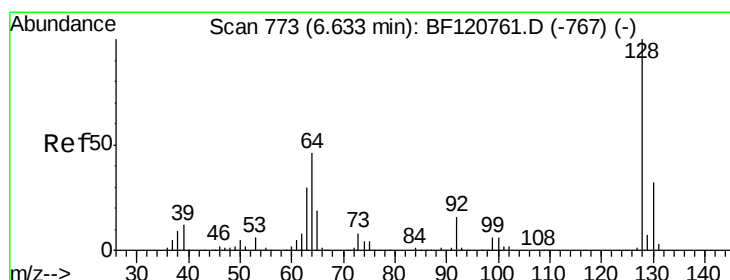
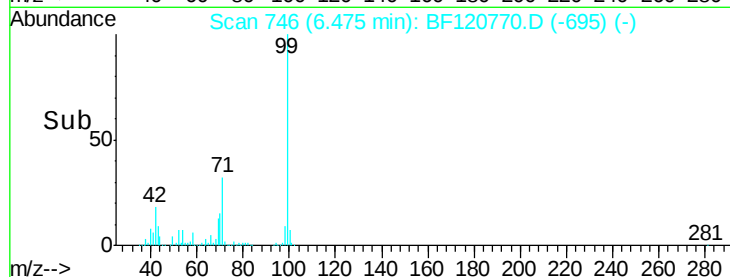
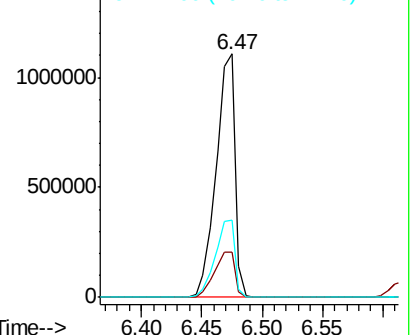
99 100

42 18.4 15.4 23.0

71 31.9 25.9 38.9



Abundance Ion 99.00 (98.70 to 99.70): BF1  
1500000  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 3.798 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

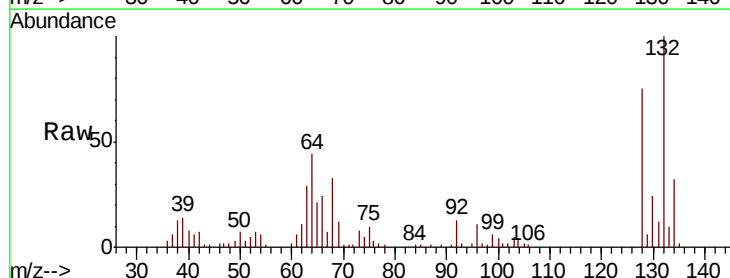
Tgt Ion:128 Resp: 35689

Ion Ratio Lower Upper

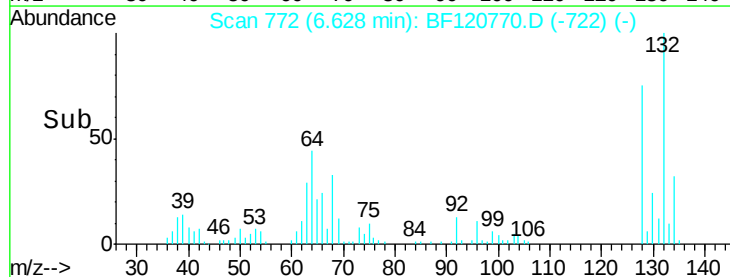
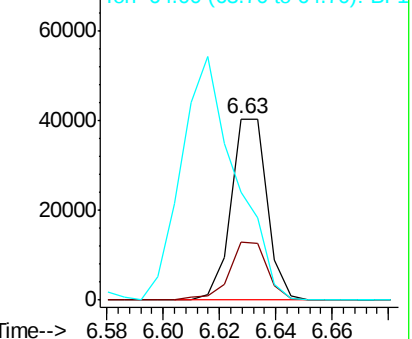
128 100

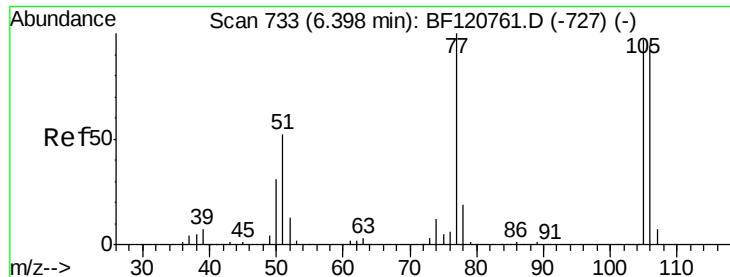
130 31.9 12.1 52.1

64 59.3 26.3 66.3



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF1

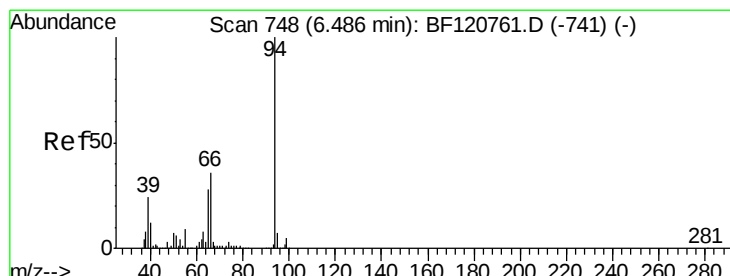
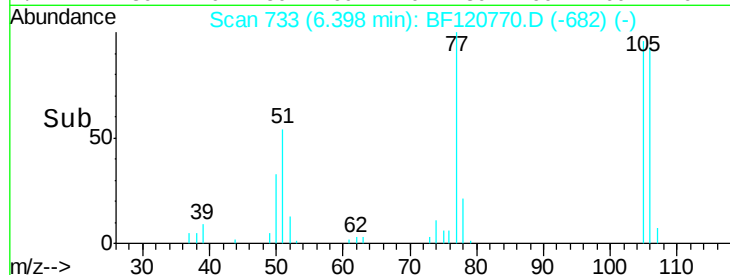
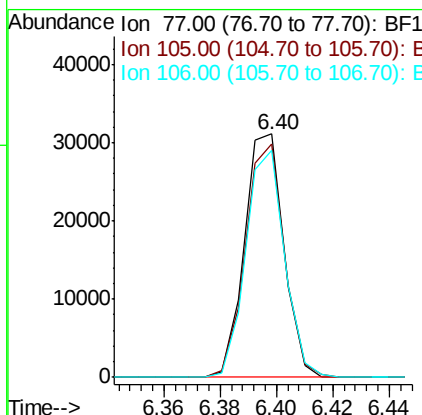
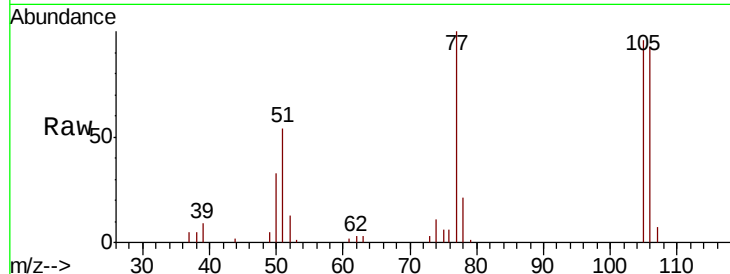




#9  
Benzaldehyde  
Concen: 4.483 ng  
RT: 6.40 min Scan# 733  
Delta R.T. 0.00 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

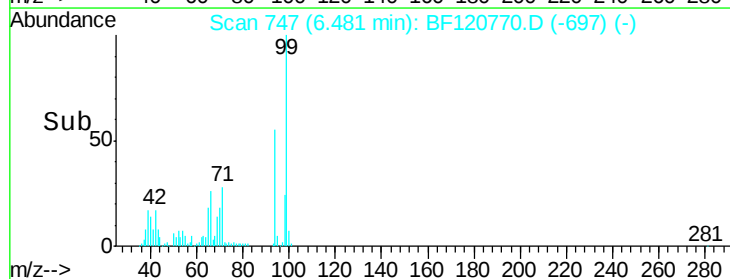
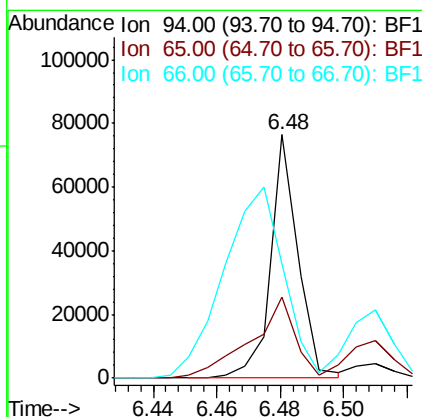
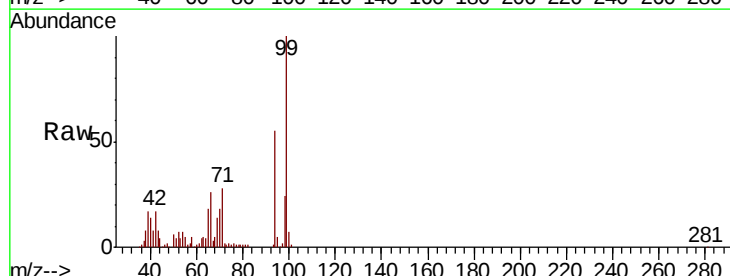
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

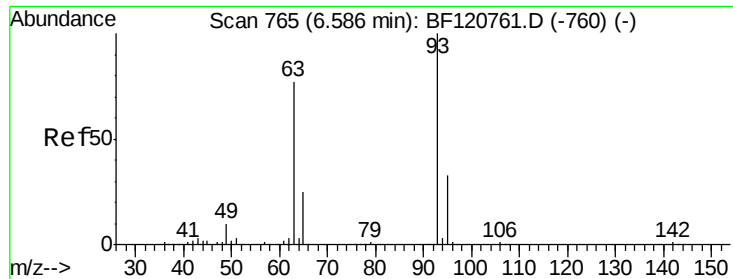
Tot Ion: 77 Resp: 30051  
Ion Ratio Lower Upper  
77 100  
105 95.6 76.8 116.8  
106 93.4 73.8 113.8



#10  
Phenol  
Concen: 3.953 ng  
RT: 6.48 min Scan# 747  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion: 94 Resp: 45832  
Ion Ratio Lower Upper  
94 100  
65 33.1 8.4 48.4  
66 46.8 16.5 56.5





#11

bis(2-Chloroethyl)ether

Concen: 3.765 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

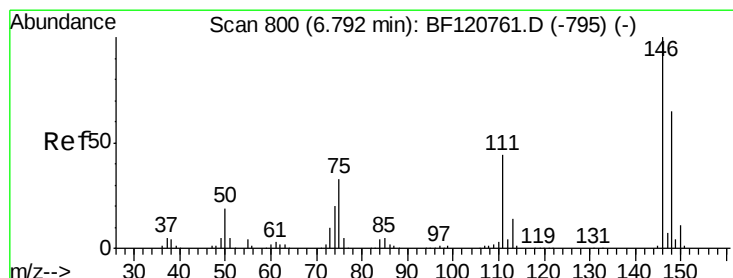
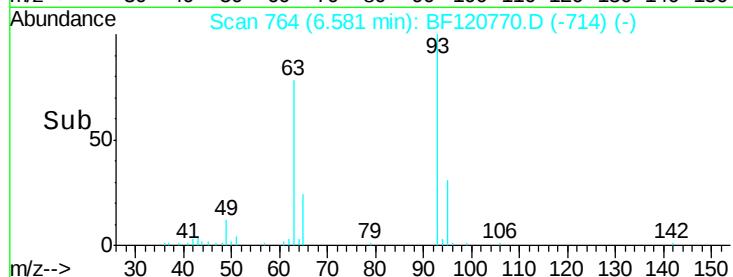
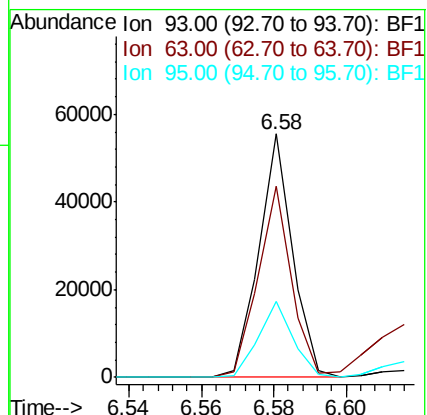
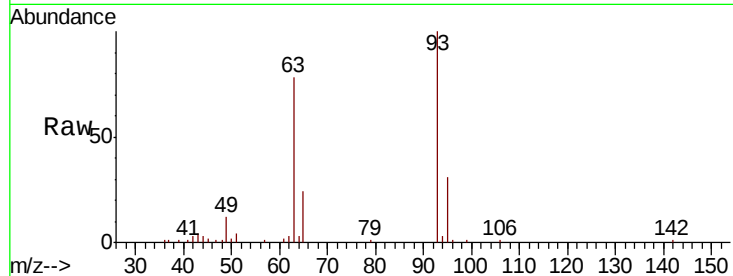
Tot Ion: 93 Resp: 35528

Ion Ratio Lower Upper

93 100

63 78.3 56.9 96.9

95 31.3 13.3 53.3



#12

1,3-Dichlorobenzene

Concen: 3.867 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

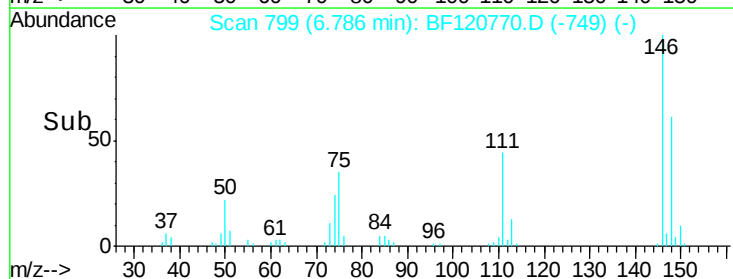
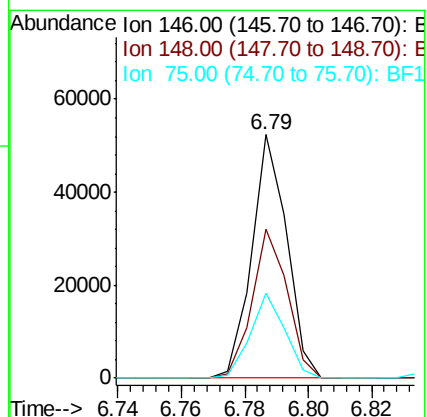
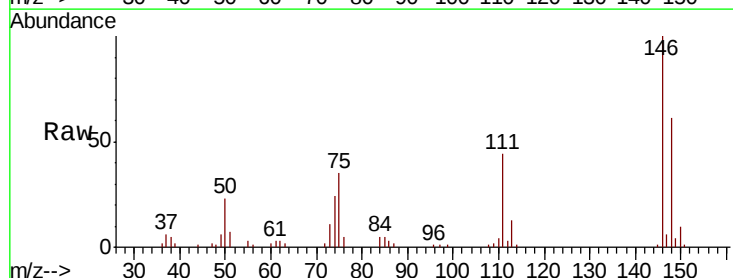
Tgt Ion: 146 Resp: 39997

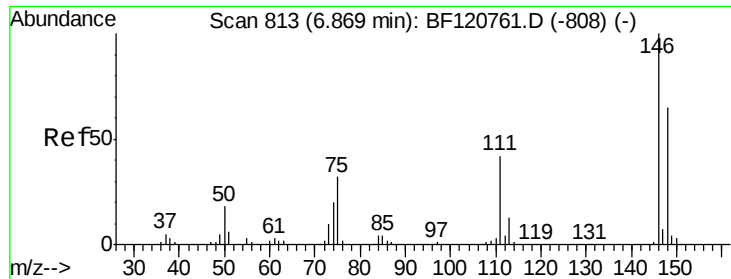
Ion Ratio Lower Upper

146 100

148 61.1 52.1 78.1

75 34.7 26.0 39.0

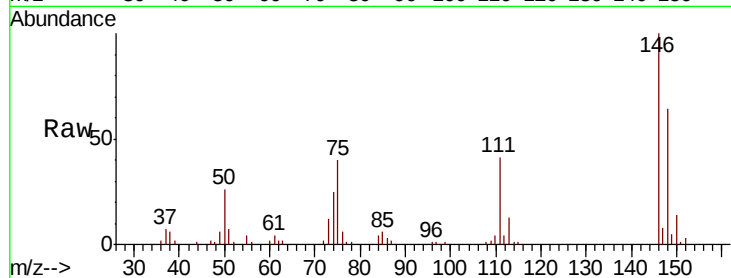




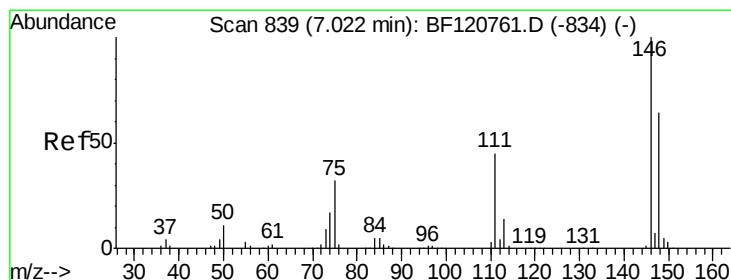
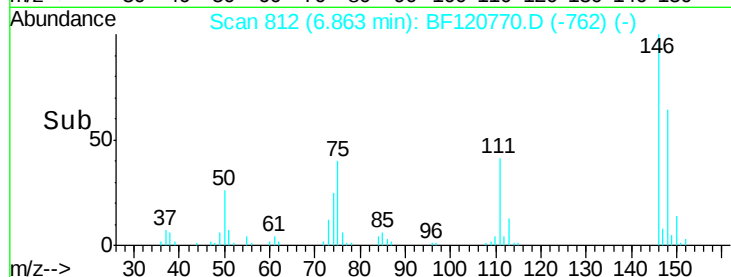
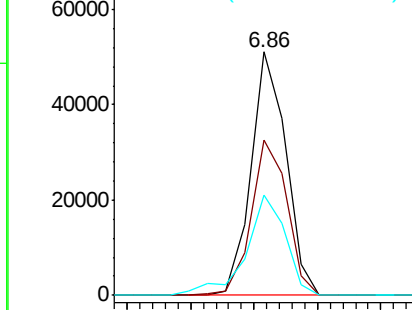
#13  
 1,4-Dichlorobenzene  
 Concen: 3.770 ng  
 RT: 6.86 min Scan# 812  
 Delta R.T. -0.01 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:146 Resp: 39053  
 Ion Ratio Lower Upper  
 146 100  
 148 63.7 51.8 77.6  
 111 41.3 33.7 50.5

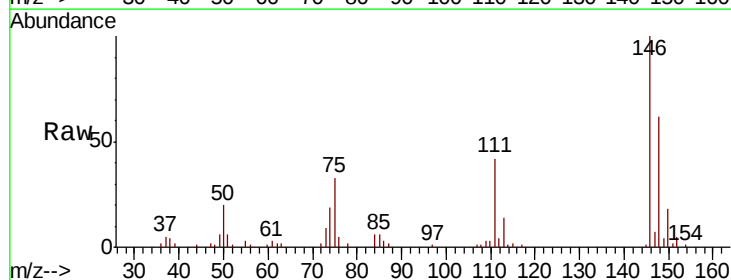


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

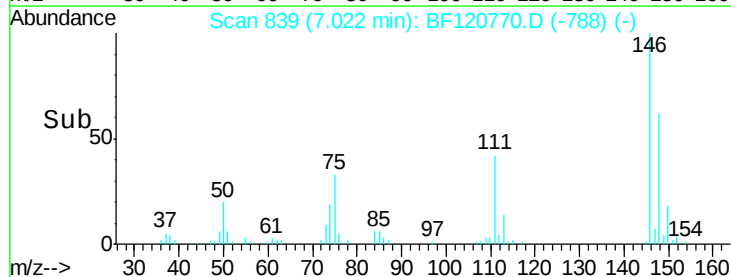
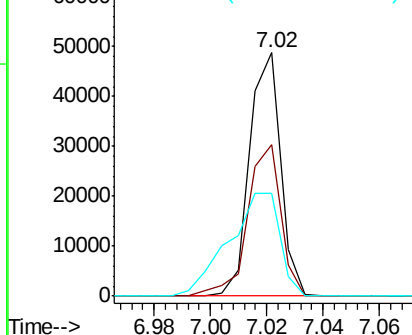


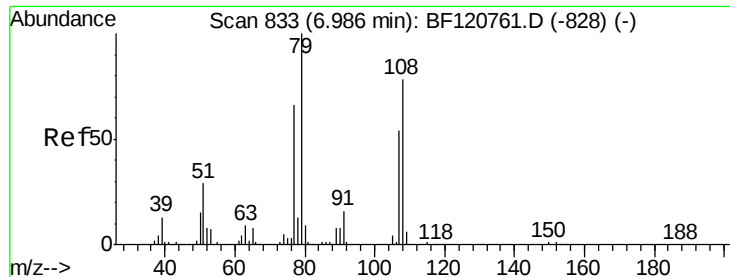
#14  
 1,2-Dichlorobenzene  
 Concen: 3.779 ng  
 RT: 7.02 min Scan# 839  
 Delta R.T. 0.00 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

Tgt Ion:146 Resp: 37250  
 Ion Ratio Lower Upper  
 146 100  
 148 62.3 51.0 76.4  
 111 42.0 35.7 53.5



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 3.484 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

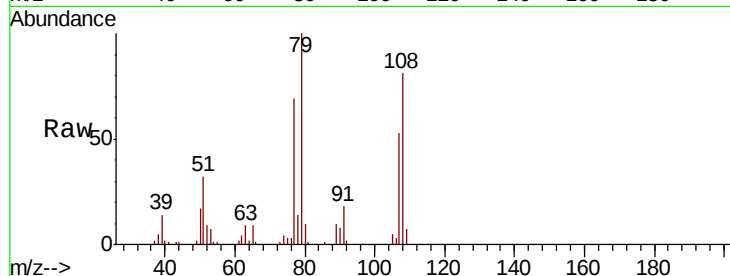
Tot Ion: 79 Resp: 29507

Ion Ratio Lower Upper

79 100

108 80.6 62.4 93.6

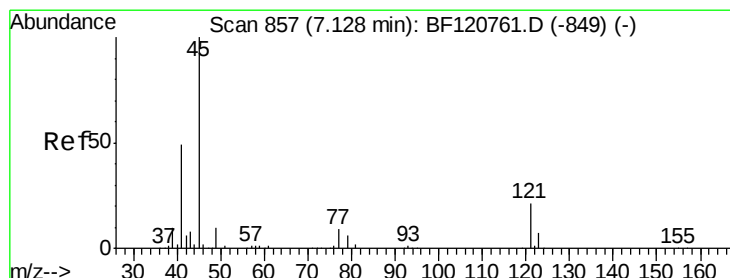
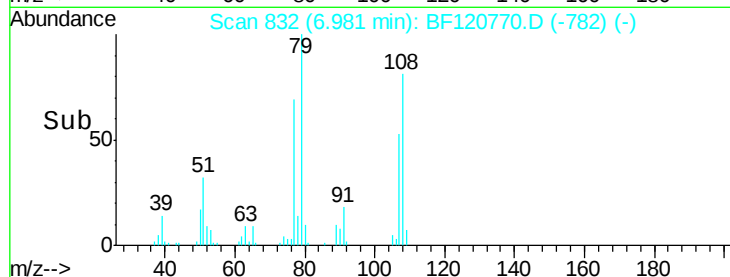
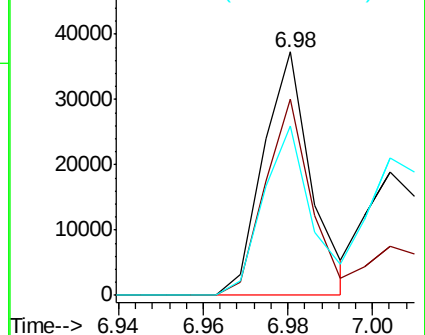
77 69.4 52.7 79.1



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 3.719 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

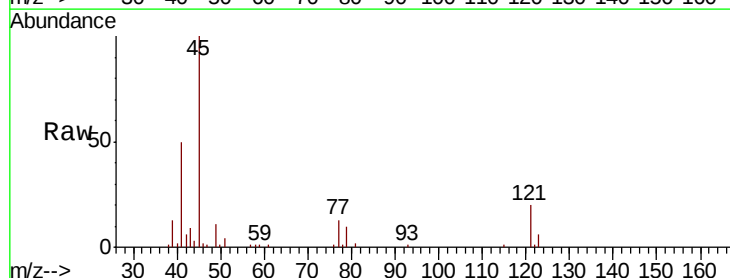
Tgt Ion: 45 Resp: 54732

Ion Ratio Lower Upper

45 100

77 13.3 0.0 33.7

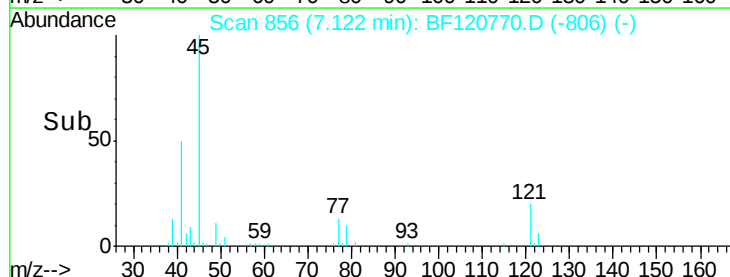
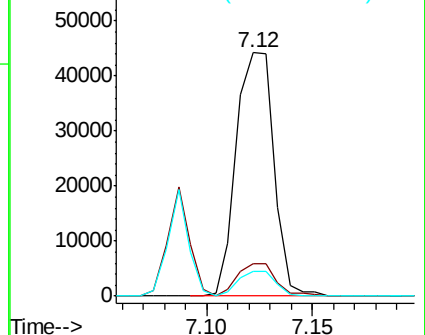
79 10.1 0.0 30.5

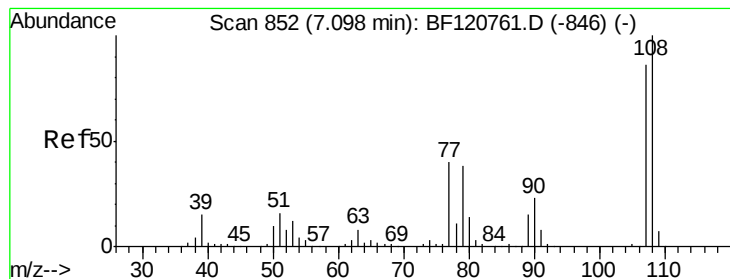


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 3.341 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:107 Resp: 28083

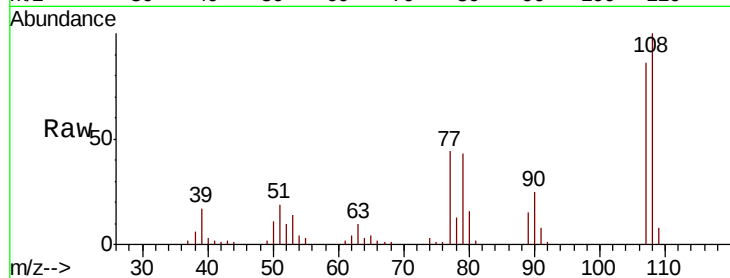
Ion Ratio Lower Upper

107 100

108 116.9 93.1 139.7

77 51.3 37.3 55.9

79 49.8 35.3 52.9

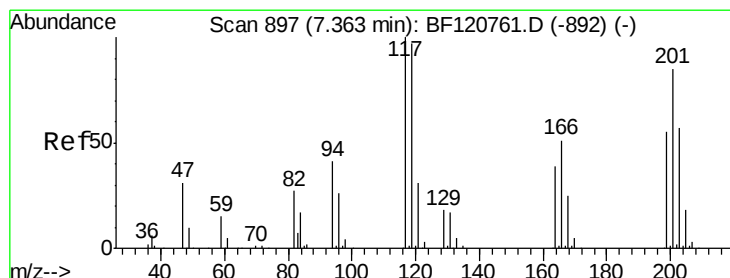
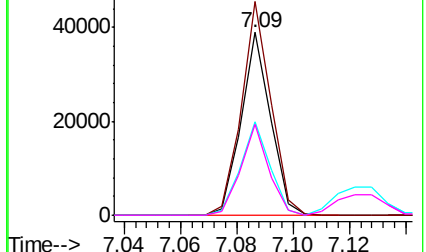
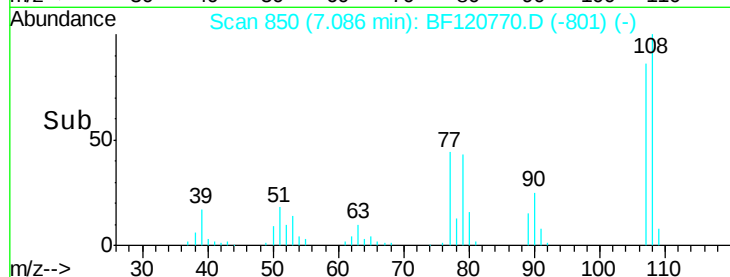


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 3.728 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

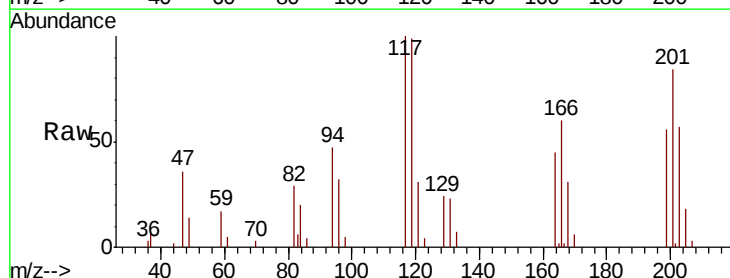
Tgt Ion:117 Resp: 14517

Ion Ratio Lower Upper

117 100

119 99.4 77.9 116.9

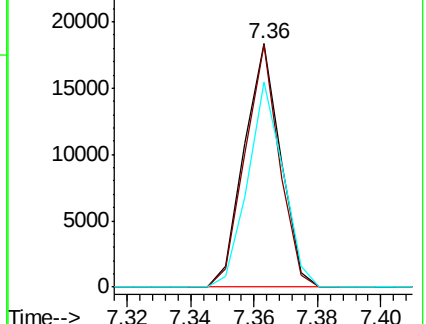
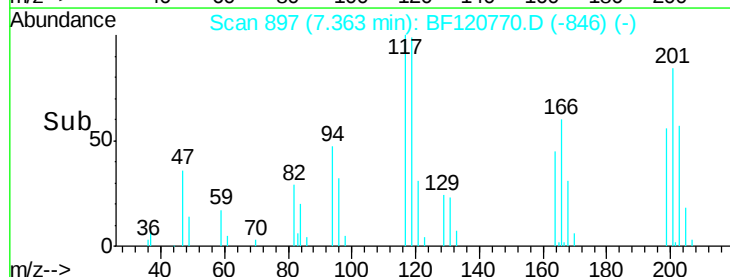
201 86.1 68.3 102.5

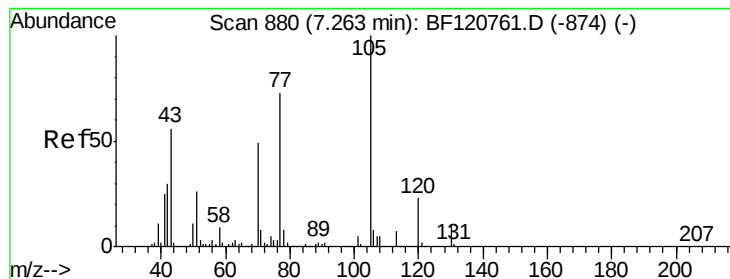


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 3.716 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 70 Resp: 25222

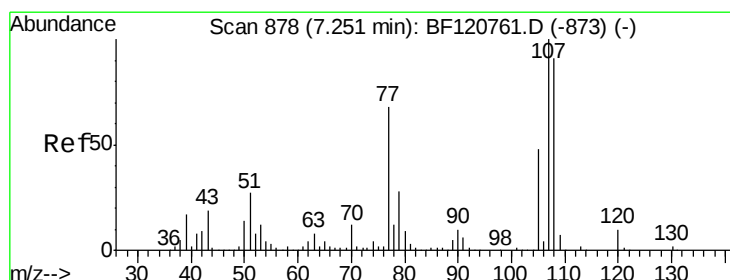
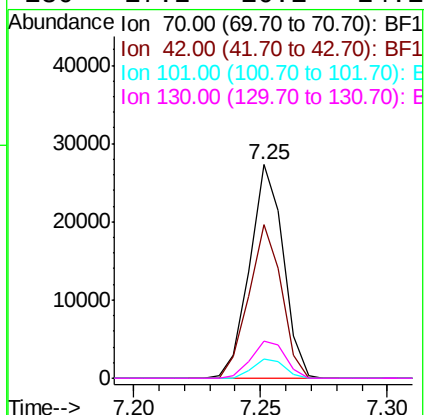
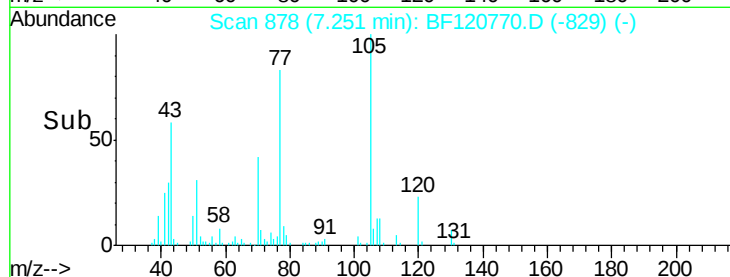
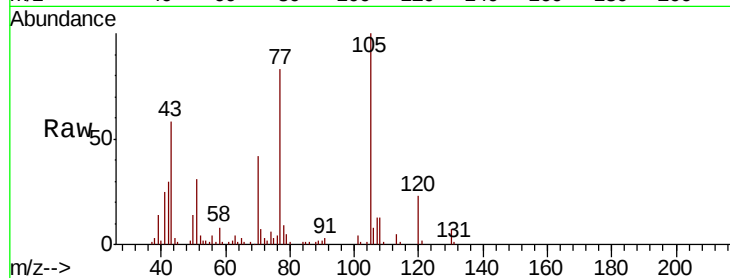
Ion Ratio Lower Upper

70 100

42 72.1 50.3 75.5

101 9.0 7.5 11.3

130 17.2 16.1 24.1



#20

3+4-Methylphenols

Concen: 3.481 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Tgt Ion: 107 Resp: 36046

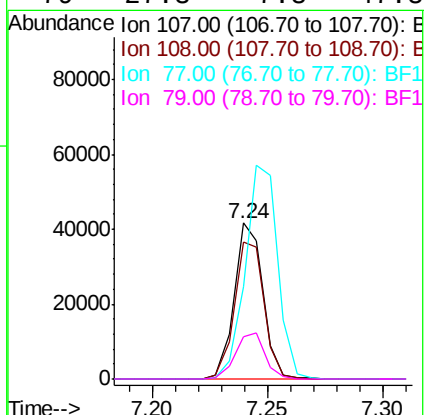
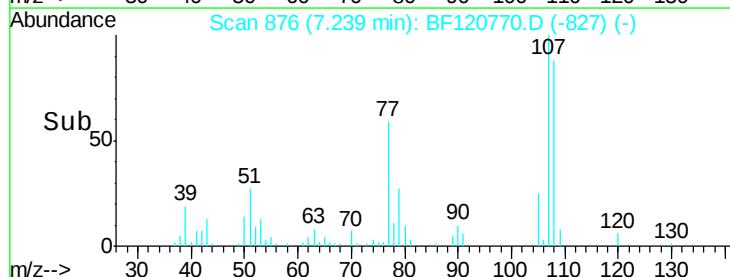
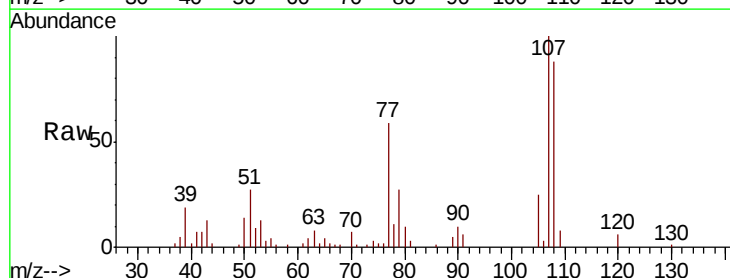
Ion Ratio Lower Upper

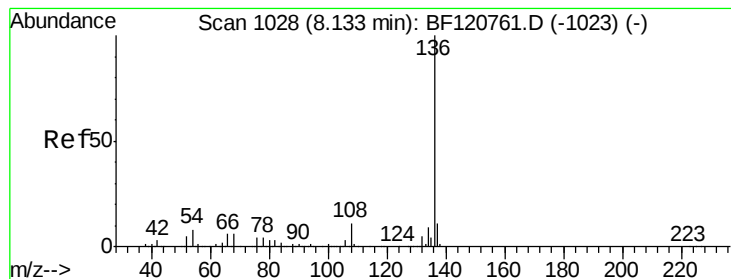
107 100

108 87.9 70.9 110.9

77 58.8 48.3 88.3

79 27.3 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:136 Resp: 514204

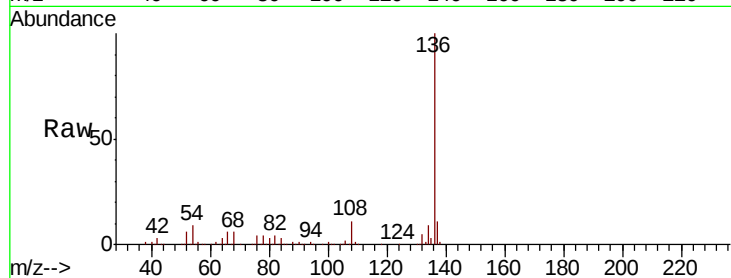
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 8.8 6.2 9.4

68 5.9 4.7 7.1

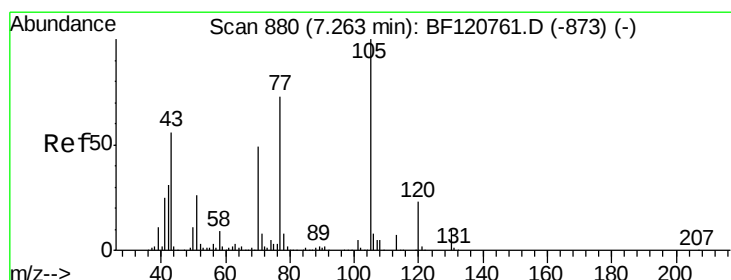
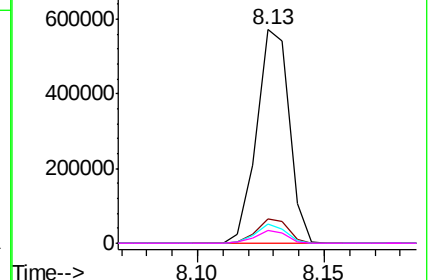
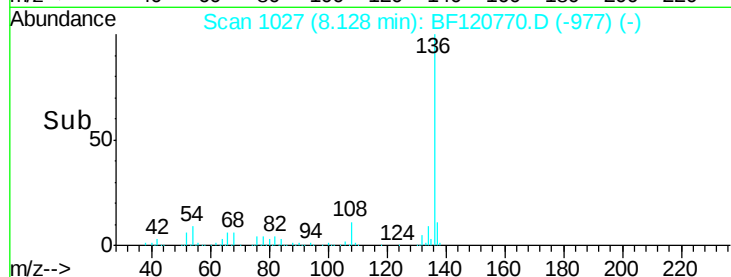


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 4.193 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Tgt Ion:105 Resp: 53594

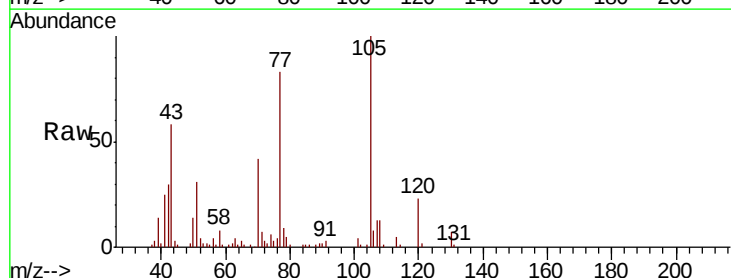
Ion Ratio Lower Upper

105 100

71 7.1 6.5 9.7

51 31.2 21.0 31.4

120 23.1 18.6 28.0

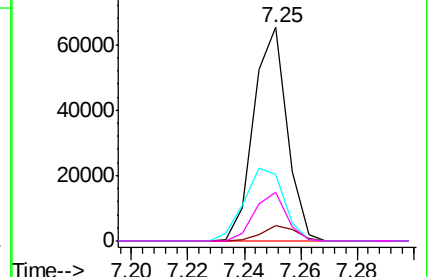
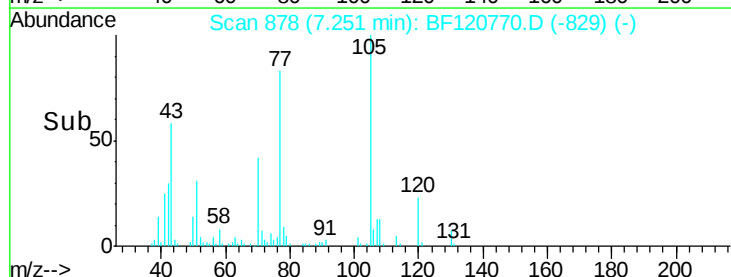


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

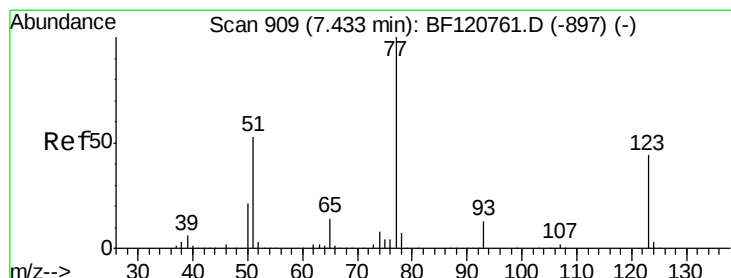
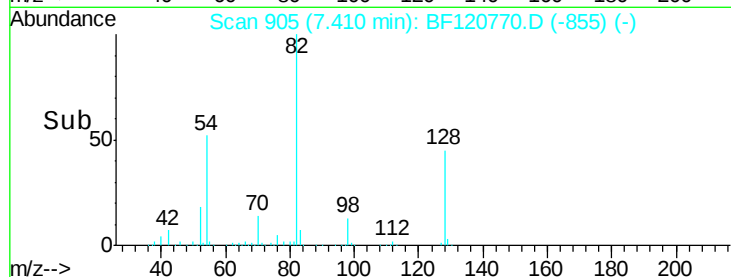
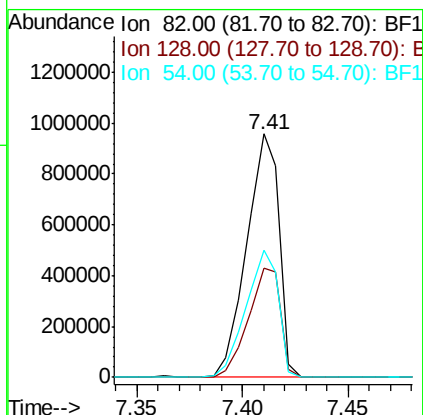
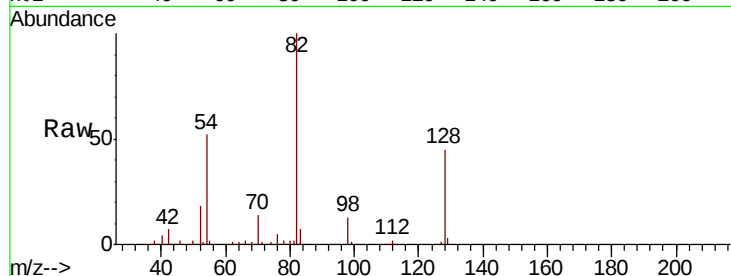




#23  
 Nitrobenzene-d5  
 Concen: 114.489 ng  
 RT: 7.41 min Scan# 905  
 Delta R.T. -0.01 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

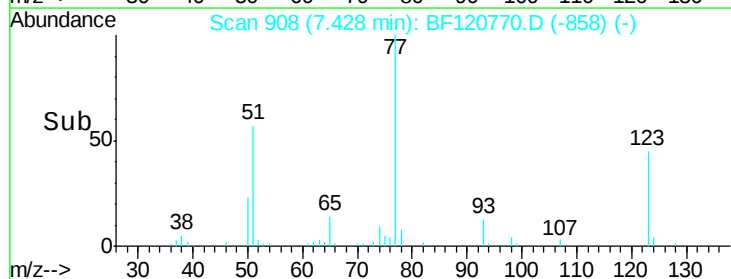
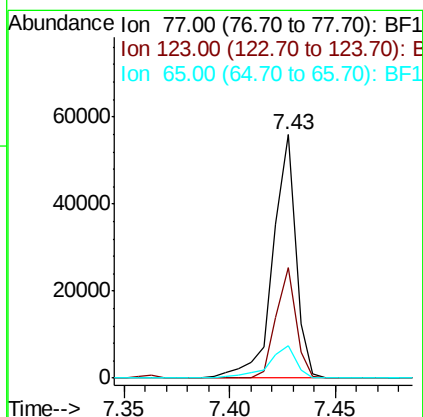
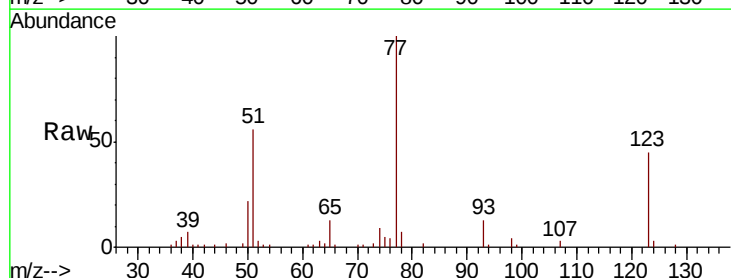
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

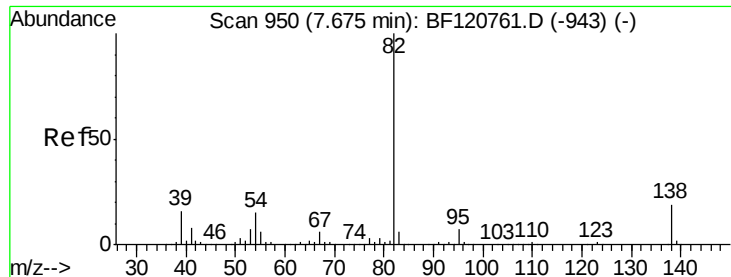
Tot Ion: 82 Resp: 1016102  
 Ion Ratio Lower Upper  
 82 100  
 128 44.9 35.7 53.5  
 54 52.2 40.9 61.3



#24  
 Nitrobenzene  
 Concen: 4.231 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. -0.01 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

Tgt Ion: 77 Resp: 42162  
 Ion Ratio Lower Upper  
 77 100  
 123 45.4 36.1 54.1  
 65 13.5 11.0 16.4





#25

Isophorone

Concen: 3.533 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

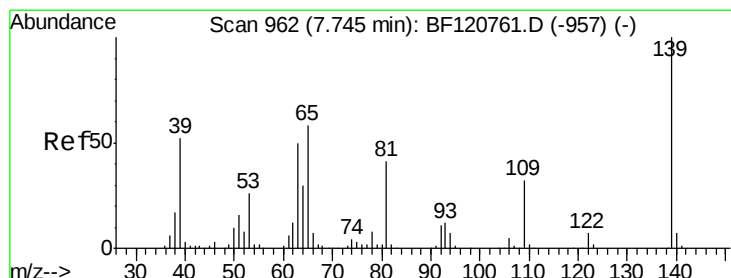
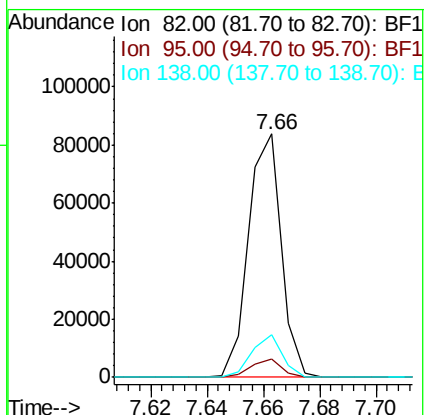
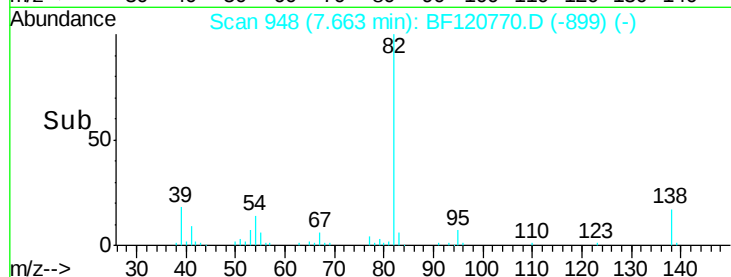
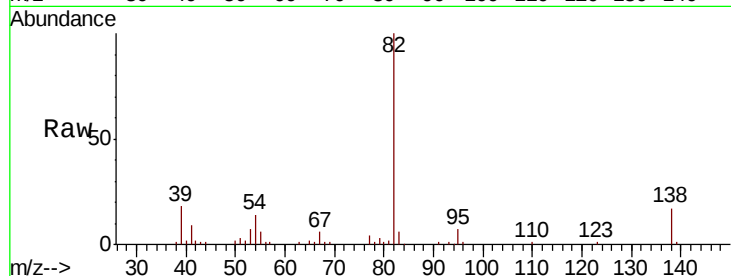
Tot Ion: 82 Resp: 67630

Ion Ratio Lower Upper

82 100

95 7.4 5.4 8.2

138 17.4 15.0 22.4



#26

2-Nitrophenol

Concen: 2.283 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

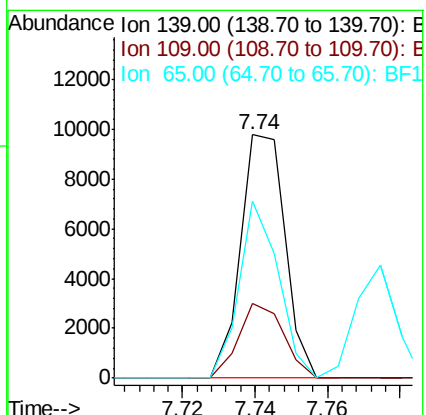
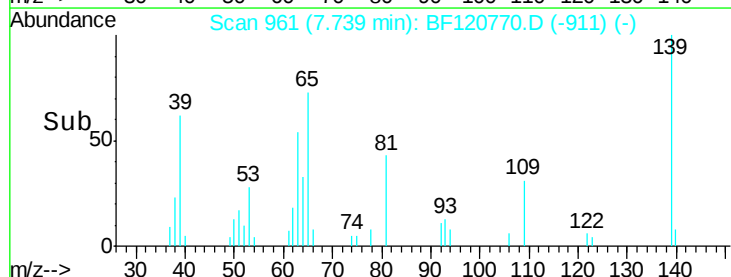
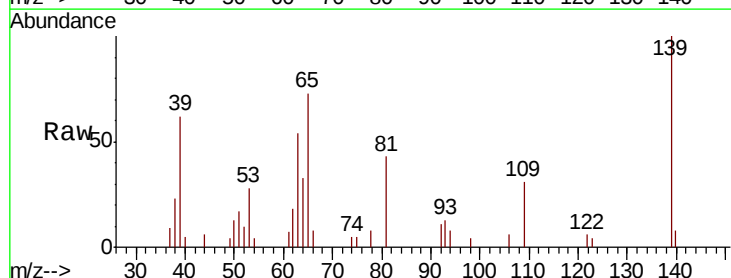
Tgt Ion: 139 Resp: 8316

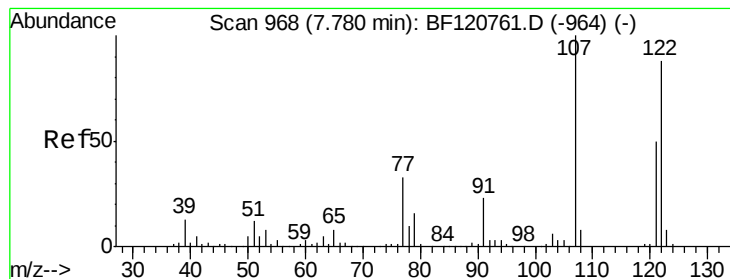
Ion Ratio Lower Upper

139 100

109 30.8 25.3 37.9

65 72.7 46.2 69.2#





#27

2,4-Dimethylphenol

Concen: 3.898 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

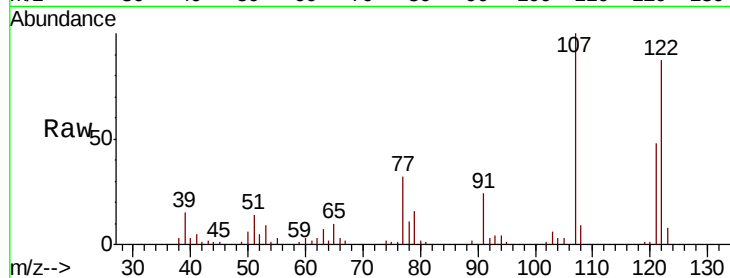
Tot Ion:122 Resp: 29784

Ion Ratio Lower Upper

122 100

107 114.6 90.7 136.1

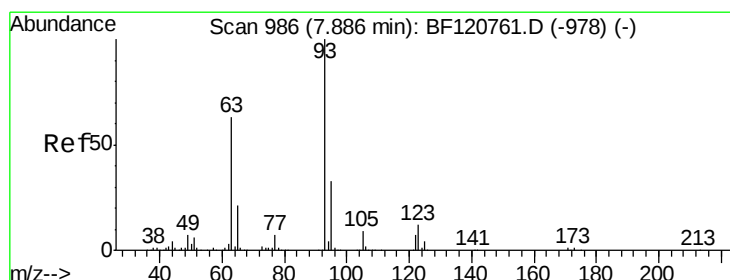
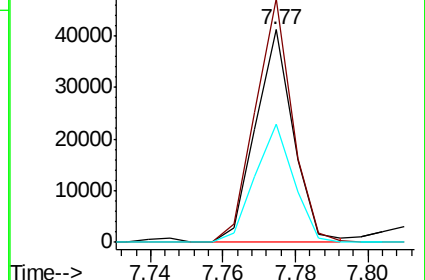
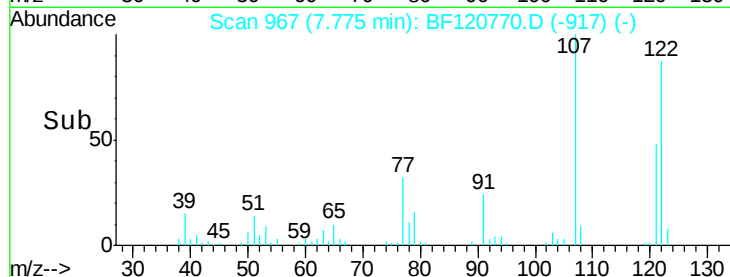
121 55.3 45.4 68.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 3.734 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

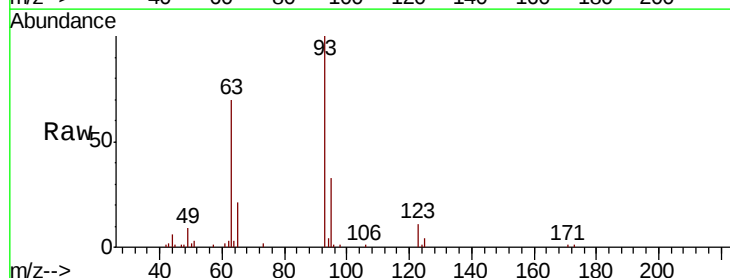
Tgt Ion: 93 Resp: 42293

Ion Ratio Lower Upper

93 100

95 32.8 26.4 39.6

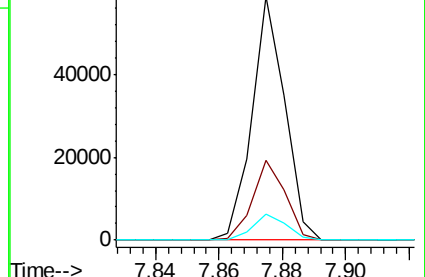
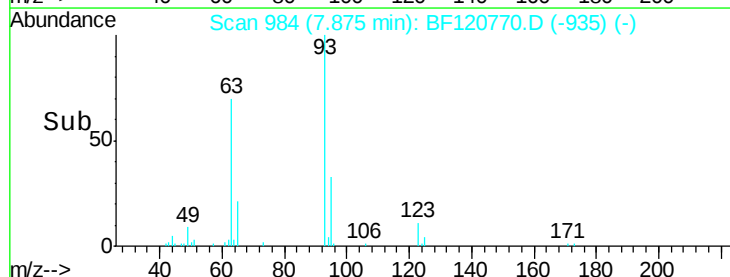
123 10.5 10.2 15.2



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

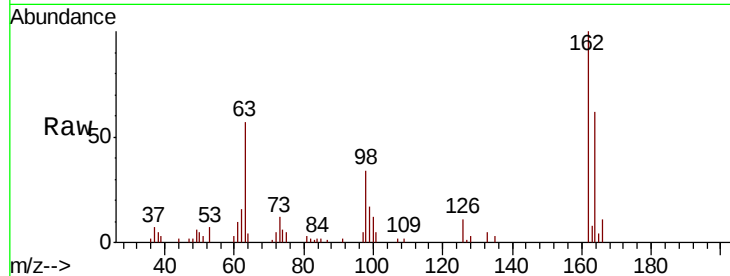




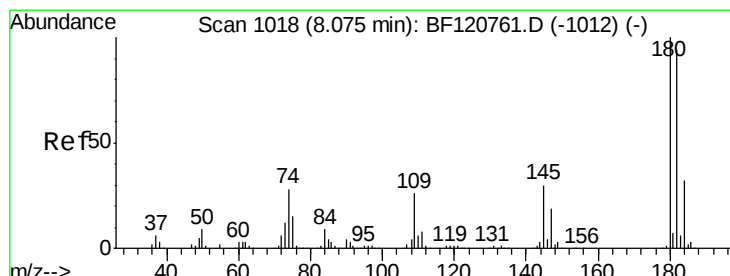
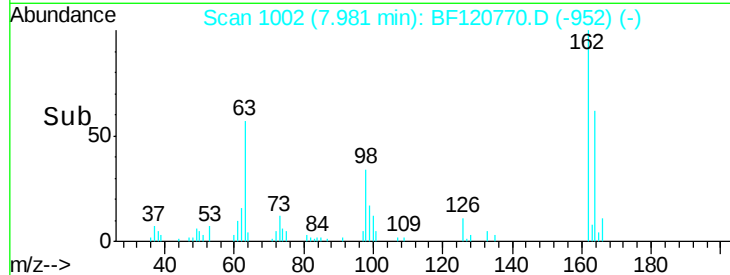
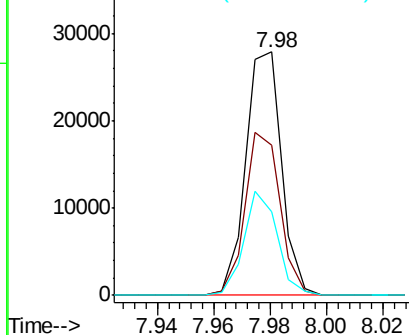
#29  
 2,4-Dichlorophenol  
 Concen: 3.228 ng  
 RT: 7.98 min Scan# 1002  
 Delta R.T. -0.01 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:162 Resp: 24621  
 Ion Ratio Lower Upper  
 162 100  
 164 61.7 45.2 85.2  
 98 34.3 17.0 57.0

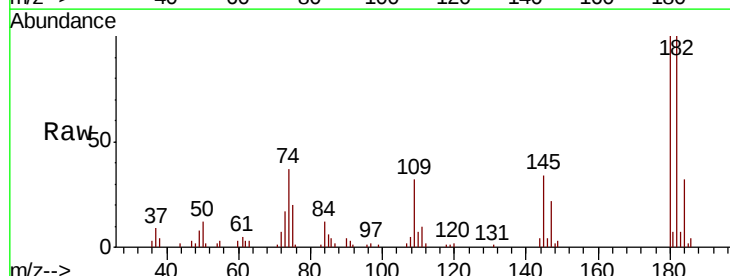


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

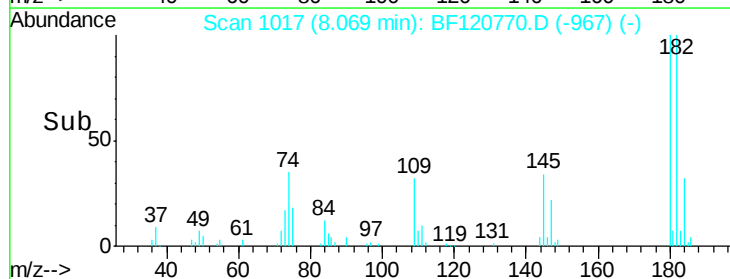
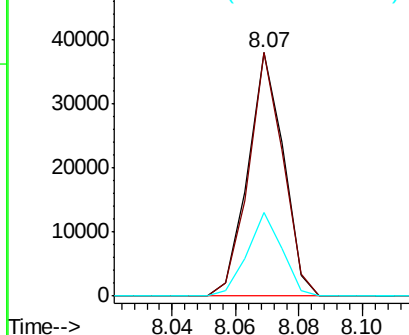


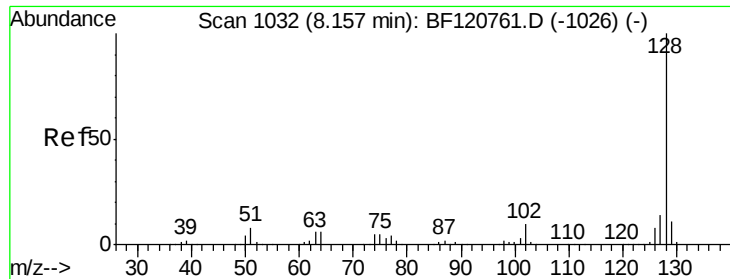
#30  
 1,2,4-Trichlorobenzene  
 Concen: 3.441 ng  
 RT: 8.07 min Scan# 1017  
 Delta R.T. -0.01 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

Tgt Ion:180 Resp: 29476  
 Ion Ratio Lower Upper  
 180 100  
 182 100.1 75.5 113.3  
 145 34.4 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E

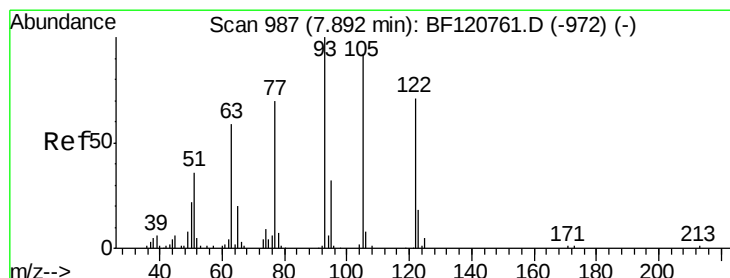
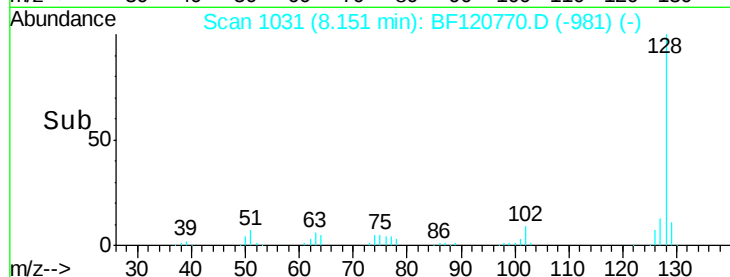
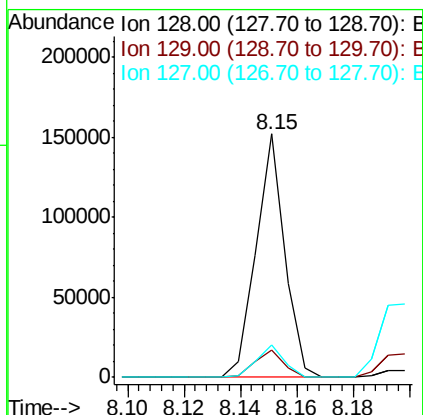
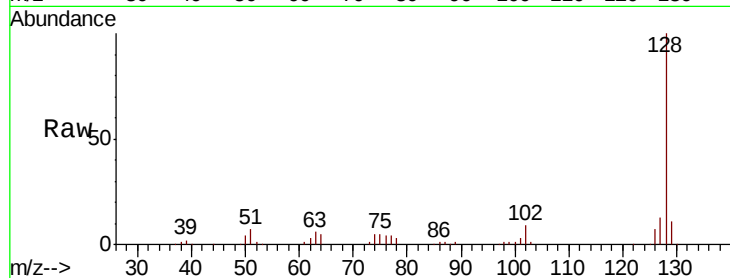




#31  
Naphthalene  
Concen: 3.902 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

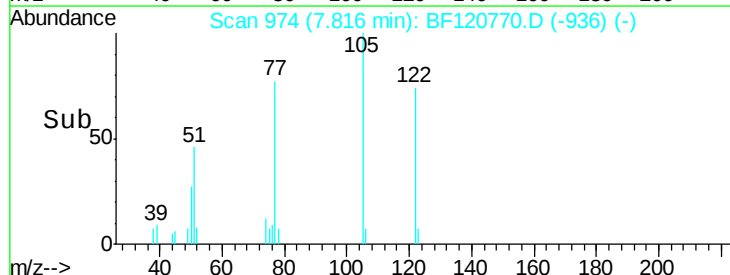
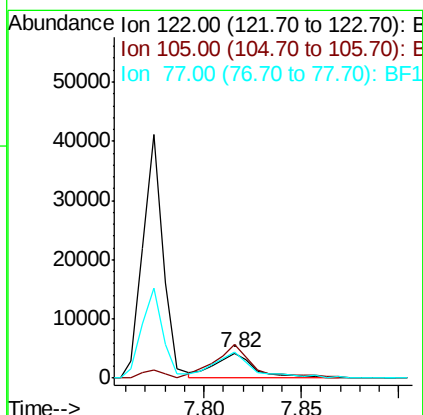
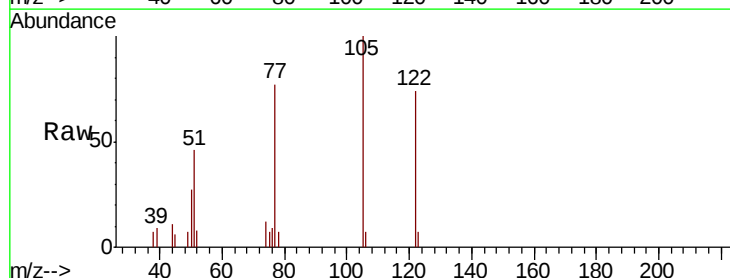
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

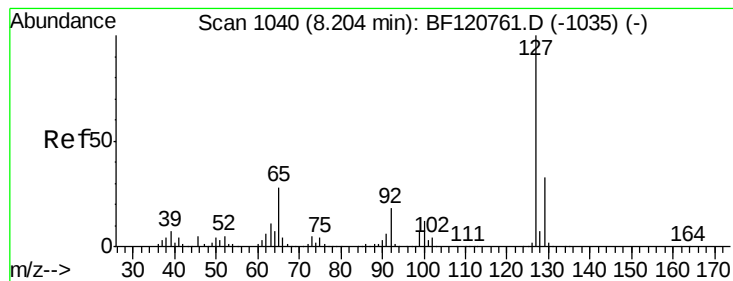
Tot Ion:128 Resp: 107224  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.2 13.8  
127 13.1 11.1 16.7



#32  
Benzoic acid  
Concen: 1.463 ng  
RT: 7.82 min Scan# 974  
Delta R.T. -0.08 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion:122 Resp: 6048  
Ion Ratio Lower Upper  
122 100  
105 135.2 105.8 145.8  
77 104.7 77.3 117.3





#33

4-Chloroaniline

Concen: 3.431 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

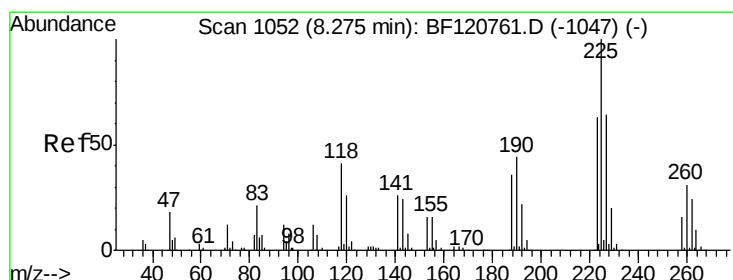
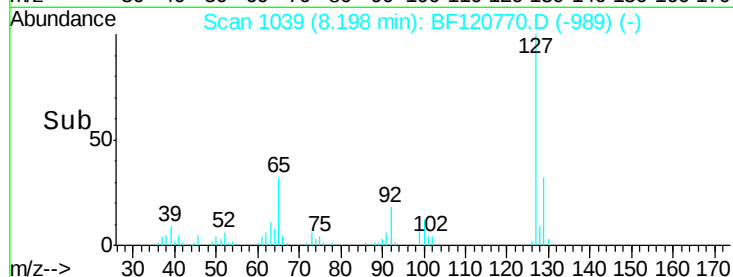
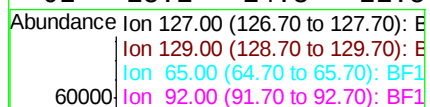
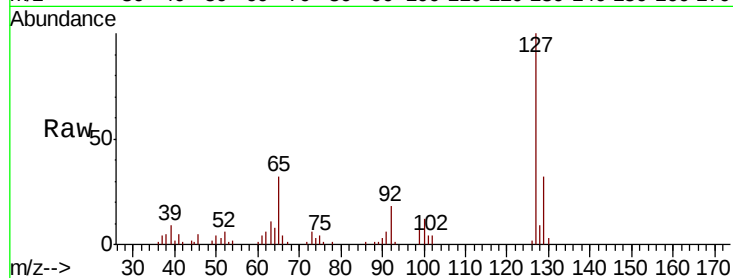
Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:127 | Resp: | 40009       |
| Ion         | Ratio | Lower Upper |
| 127         | 100   |             |
| 129         | 32.0  | 26.6 39.8   |
| 65          | 31.9  | 22.7 34.1   |
| 92          | 18.1  | 14.3 21.5   |



#34

Hexachlorobutadiene

Concen: 3.197 ng

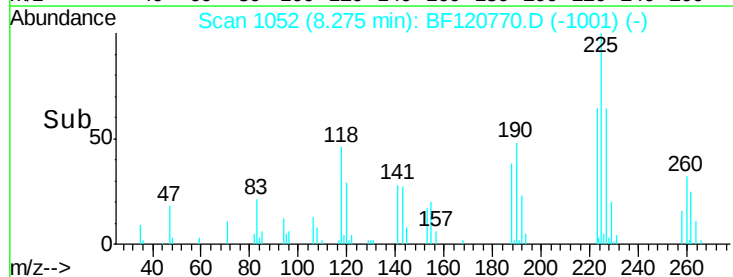
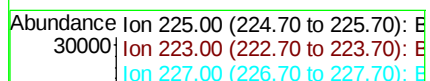
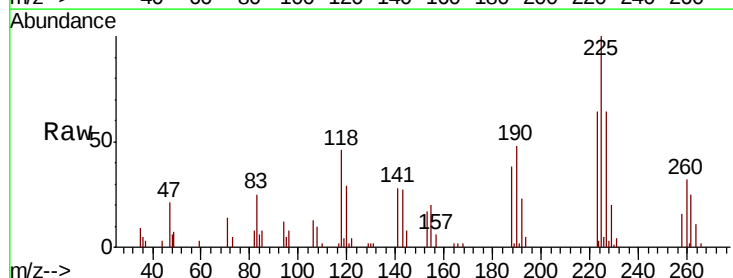
RT: 8.27 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:225 | Resp: | 16475       |
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 61.5  | 50.6 76.0   |
| 227         | 63.8  | 51.4 77.2   |

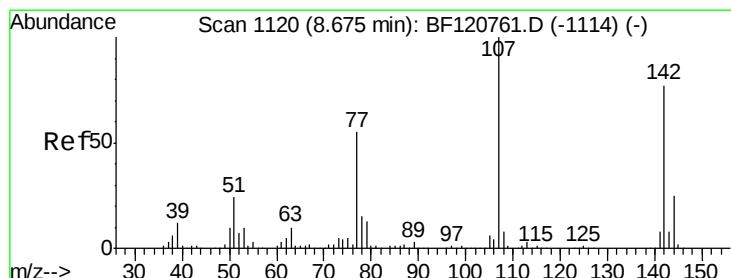
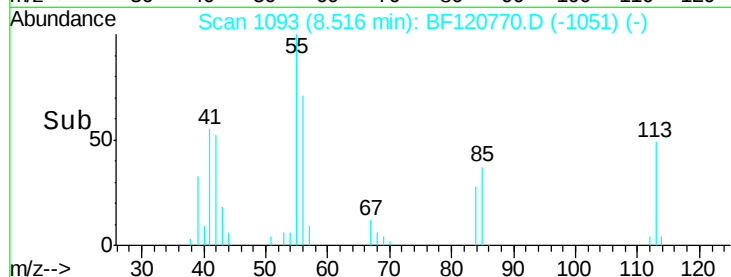
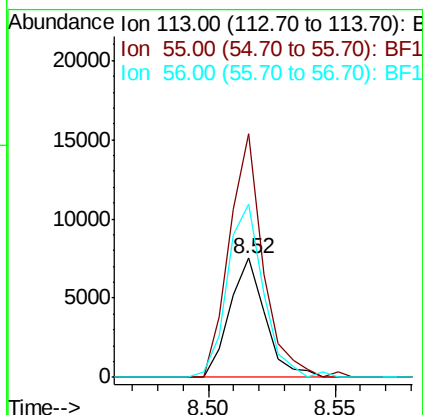
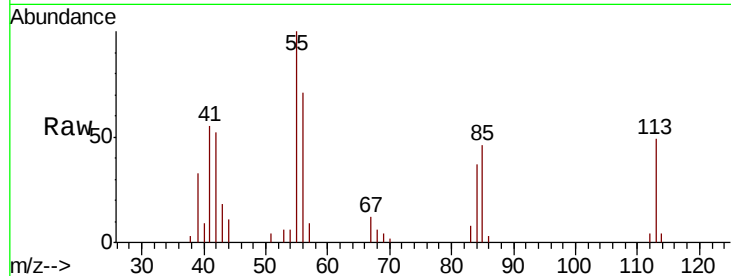




#35  
 Caprolactam  
 Concen: 3.287 ng  
 RT: 8.52 min Scan# 1093  
 Delta R.T. -0.05 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

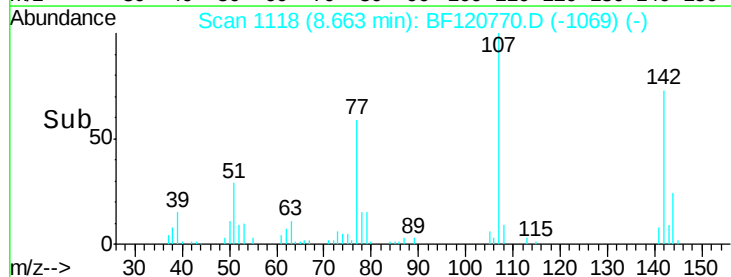
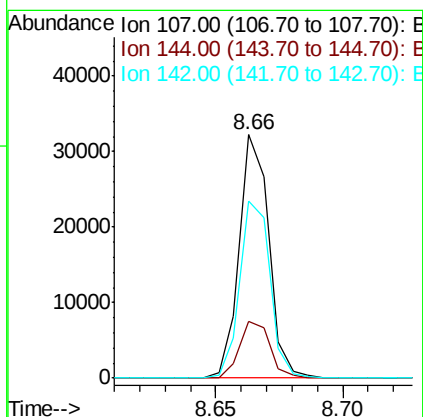
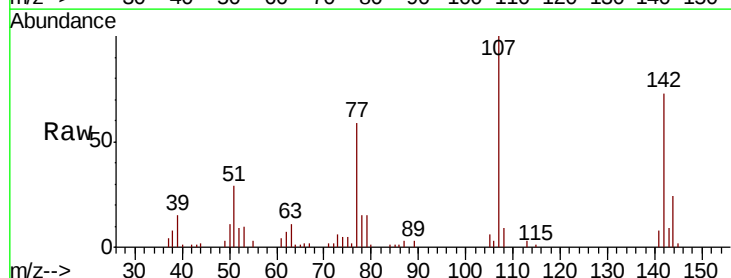
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

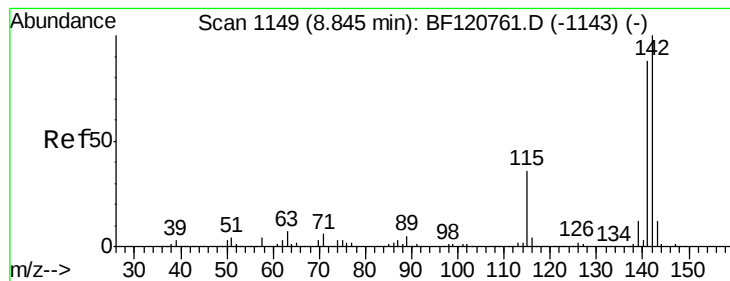
Tot Ion:113 Resp: 7306  
 Ion Ratio Lower Upper  
 113 100  
 55 204.6 168.3 208.3  
 56 145.7 118.8 158.8



#36  
 4-Chloro-3-methylphenol  
 Concen: 3.298 ng  
 RT: 8.66 min Scan# 1118  
 Delta R.T. -0.01 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

Tgt Ion:107 Resp: 26170  
 Ion Ratio Lower Upper  
 107 100  
 144 23.5 19.7 29.5  
 142 72.8 61.2 91.8





#37

2-Methylnaphthalene

Concen: 3.765 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleID :

LOD-MDL-SOIL-01-QT2-2020

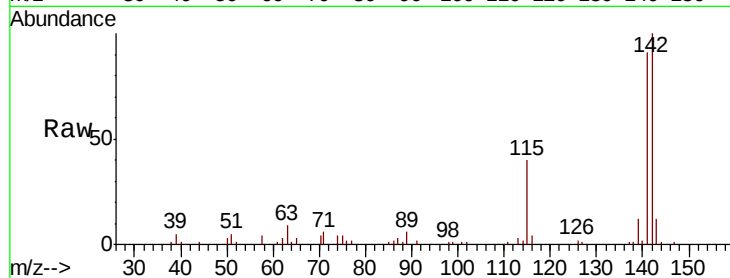
Tot Ion:142 Resp: 67257

Ion Ratio Lower Upper

142 100

141 91.1 70.2 105.4

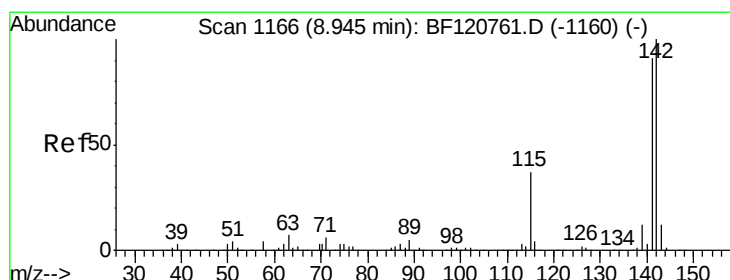
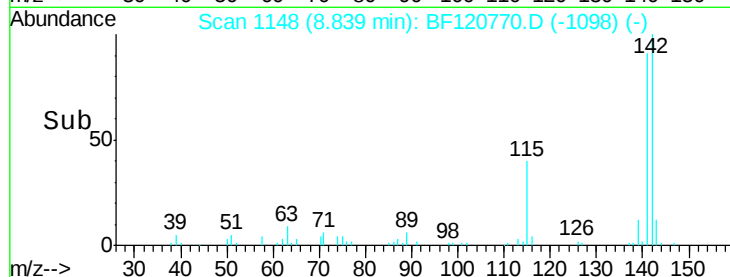
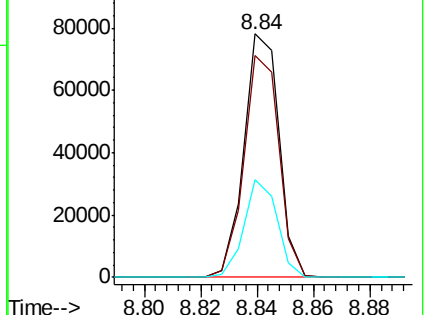
115 40.1 29.0 43.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 4.019 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.11 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

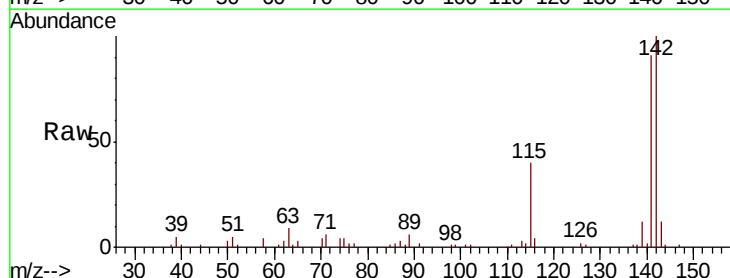
Tgt Ion:142 Resp: 67257

Ion Ratio Lower Upper

142 100

141 91.1 72.5 108.7

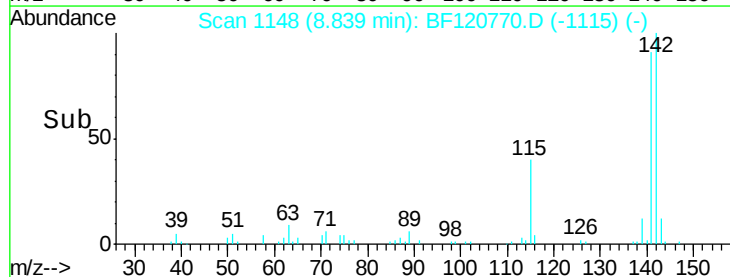
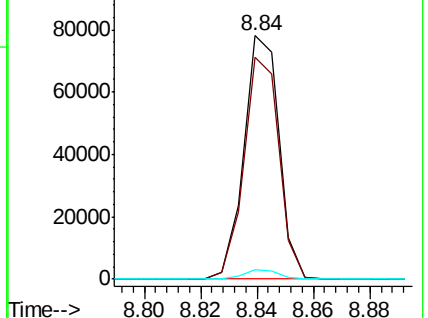
116 4.1 3.1 4.7

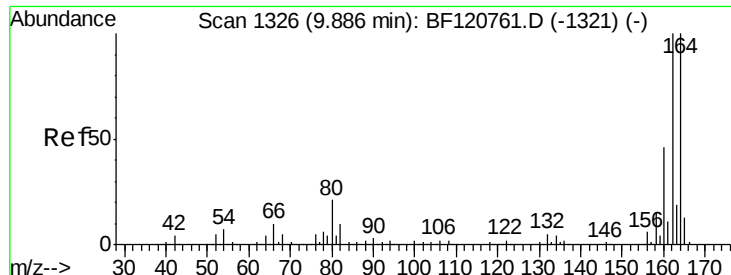


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

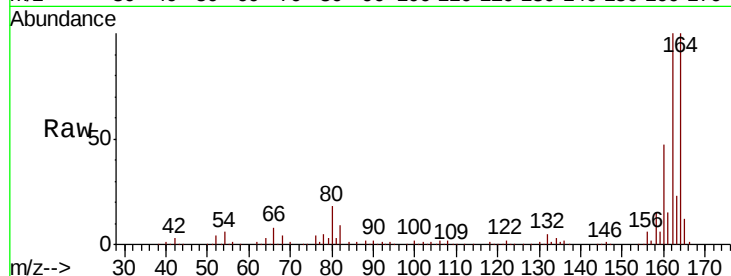




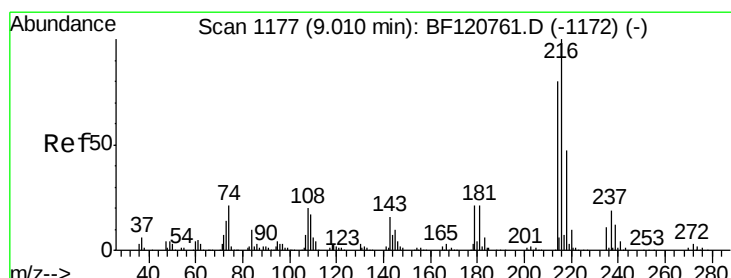
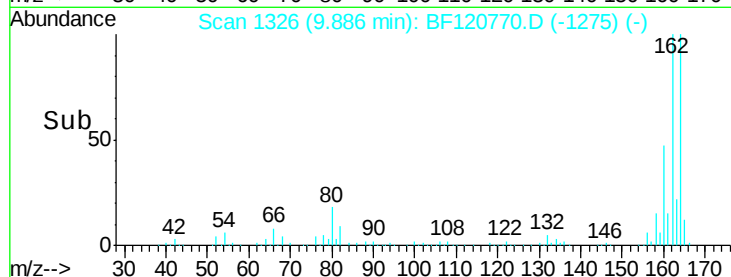
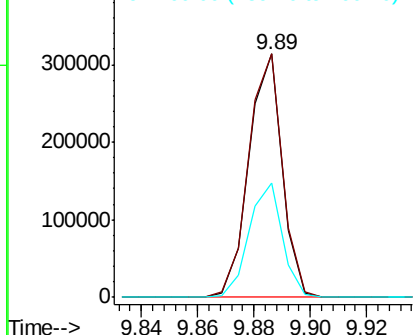
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. 0.00 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:164 Resp: 255323  
Ion Ratio Lower Upper  
164 100  
162 99.8 80.2 120.2  
160 47.0 36.9 55.3

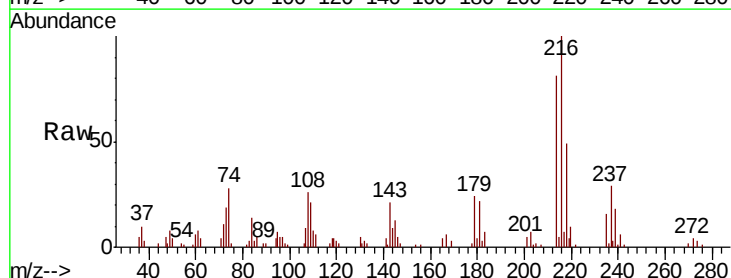


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

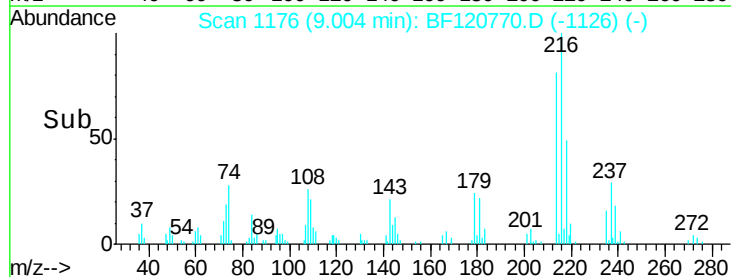
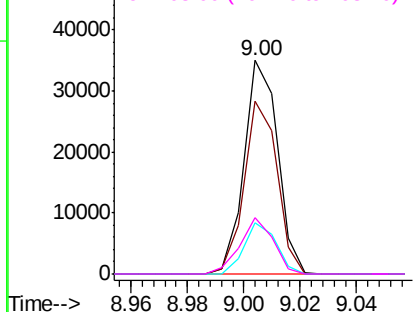


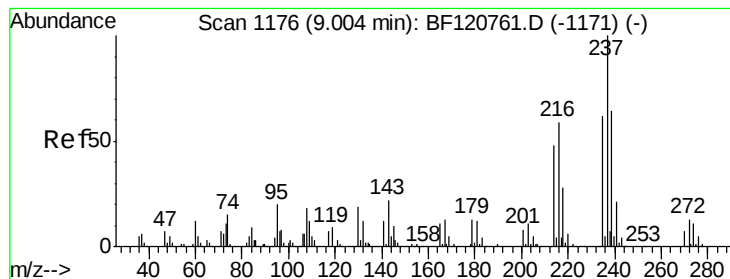
#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 3.735 ng  
RT: 9.00 min Scan# 1176  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion:216 Resp: 28820  
Ion Ratio Lower Upper  
216 100  
214 79.6 63.7 95.5  
179 22.7 16.7 25.1  
108 26.3 17.0 25.4#



Abundance Ion 216.00 (215.70 to 216.70): E  
Ion 214.00 (213.70 to 214.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 3.162 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

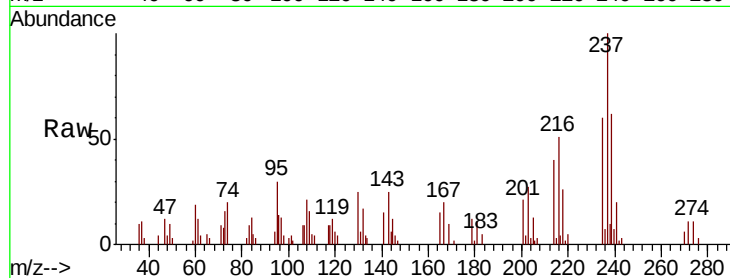
Tot Ion:237 Resp: 14417

Ion Ratio Lower Upper

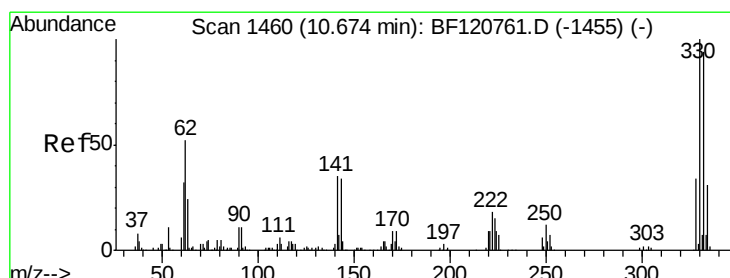
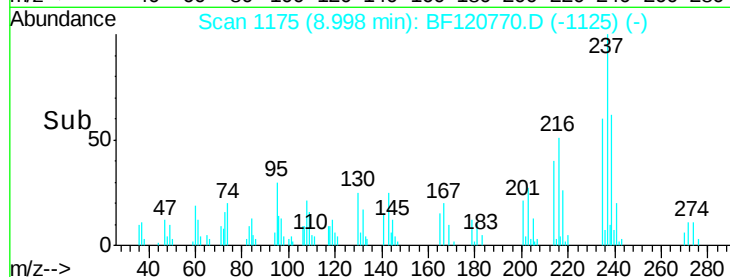
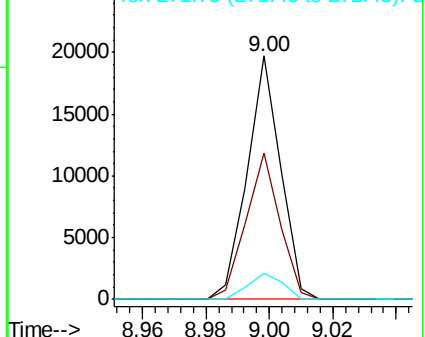
237 100

235 60.0 42.1 82.1

272 10.9 0.0 33.4



Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 117.907 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

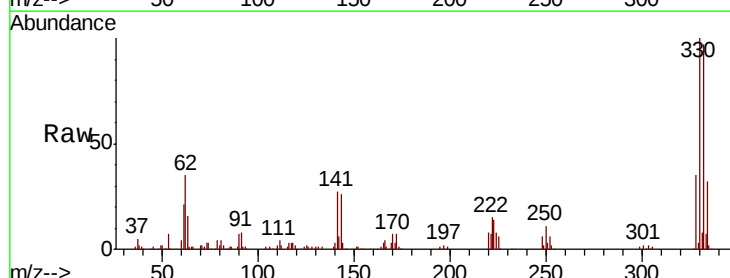
Tgt Ion:330 Resp: 302442

Ion Ratio Lower Upper

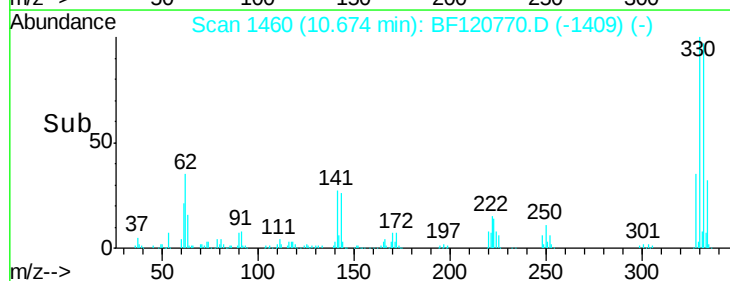
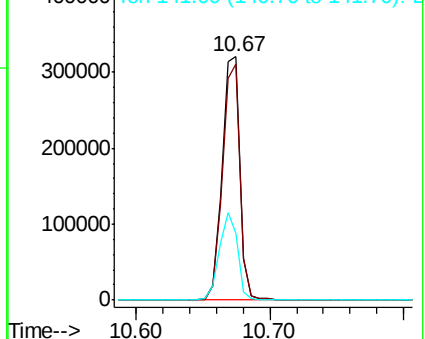
330 100

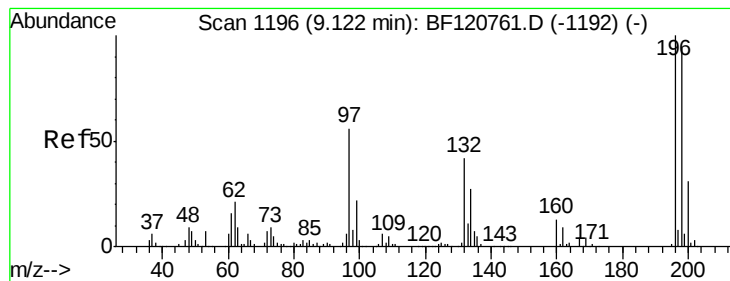
332 95.2 75.8 113.6

141 36.7 29.7 44.5



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

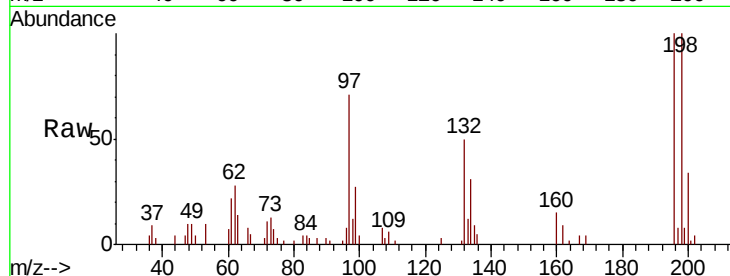




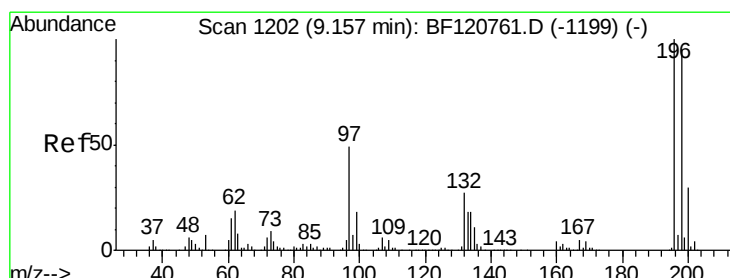
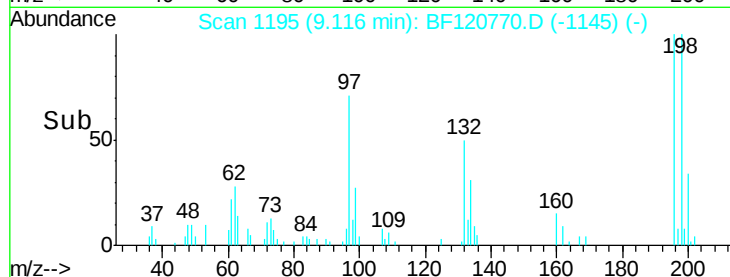
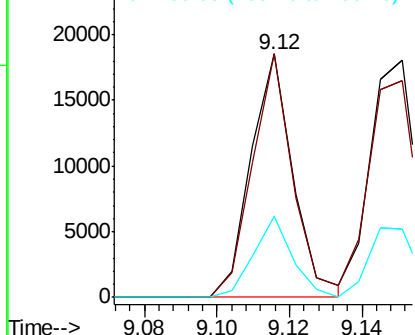
#43  
 2,4,6-Trichlorophenol  
 Concen: 2.839 ng  
 RT: 9.12 min Scan# 1195  
 Delta R.T. -0.01 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:196 Resp: 14929  
 Ion Ratio Lower Upper  
 196 100  
 198 100.1 75.3 112.9  
 200 33.6 24.4 36.6



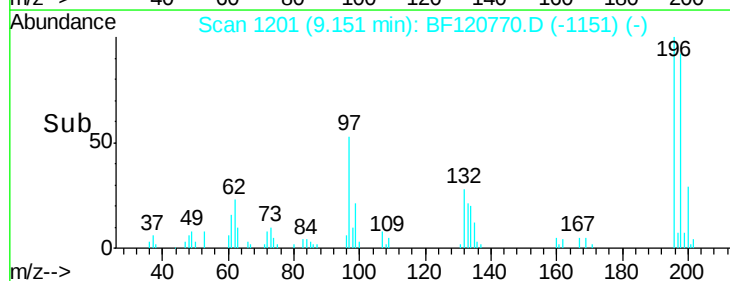
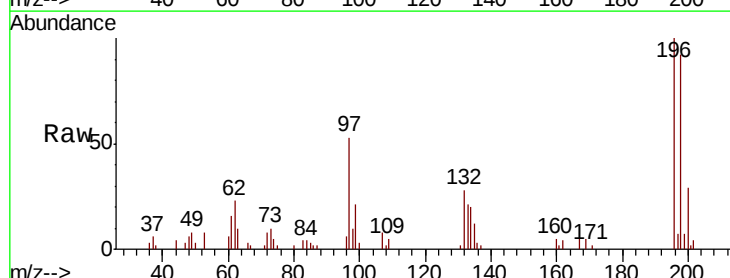
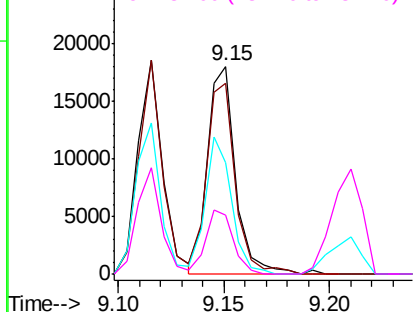
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

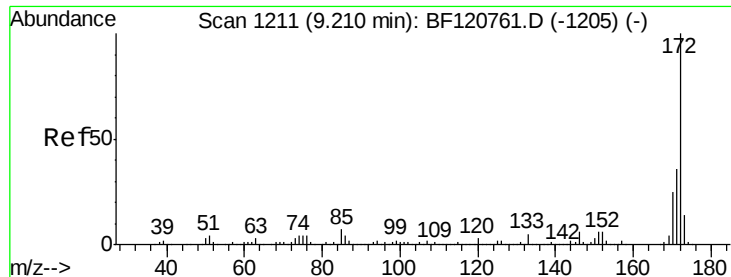


#44  
 2,4,5-Trichlorophenol  
 Concen: 2.880 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

Tgt Ion:196 Resp: 16805  
 Ion Ratio Lower Upper  
 196 100  
 198 91.7 76.2 114.2  
 97 53.5 39.6 59.4  
 132 28.5 22.0 33.0

Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

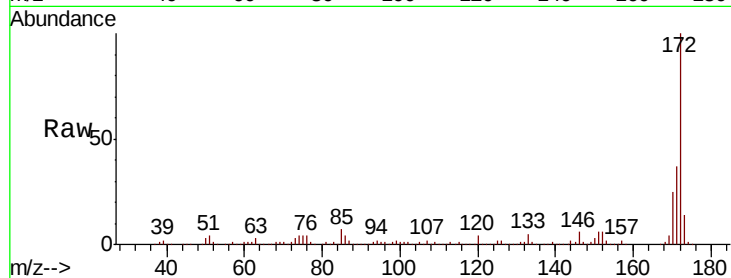




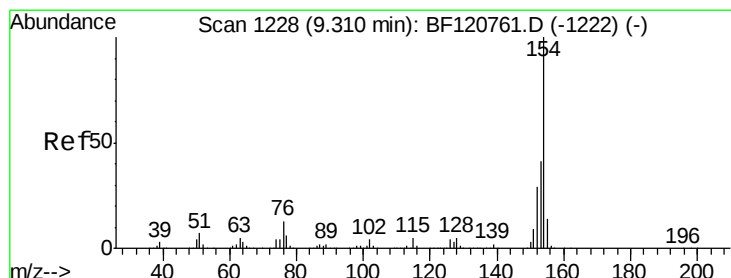
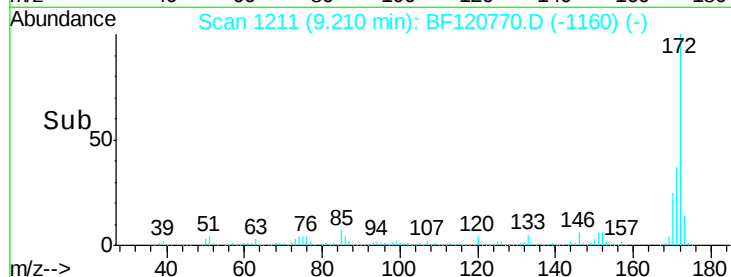
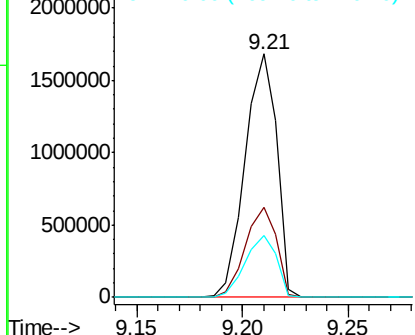
#45  
2-Fluorobiphenyl  
Concen: 104.062 ng  
RT: 9.21 min Scan# 1211  
Delta R.T. 0.00 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:172 Resp: 1756138  
Ion Ratio Lower Upper  
172 100  
171 36.9 29.1 43.7  
170 25.2 19.8 29.6

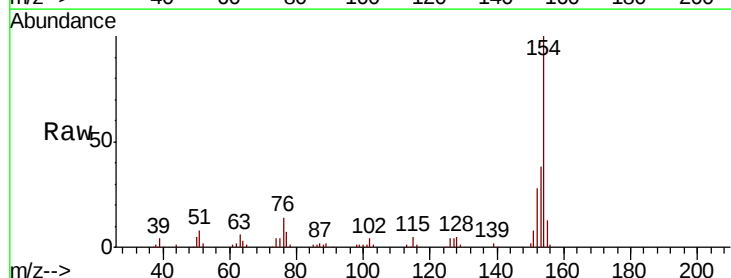


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

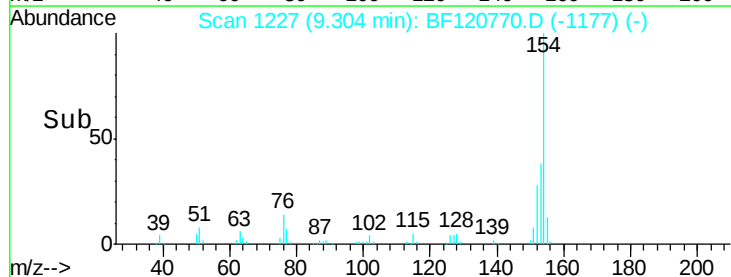
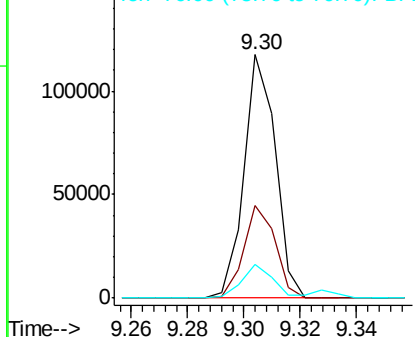


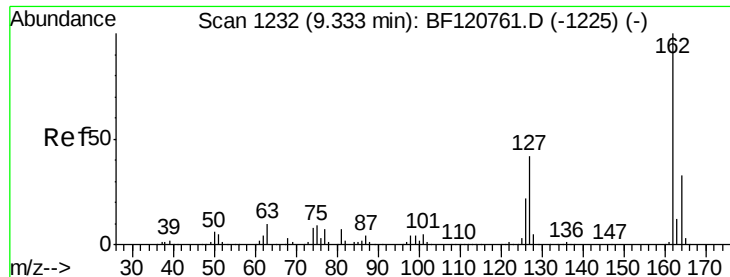
#46  
1,1'-Biphenyl  
Concen: 4.386 ng  
RT: 9.30 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion:154 Resp: 90324  
Ion Ratio Lower Upper  
154 100  
153 37.9 20.7 60.7  
76 13.7 0.0 33.3



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): BF1

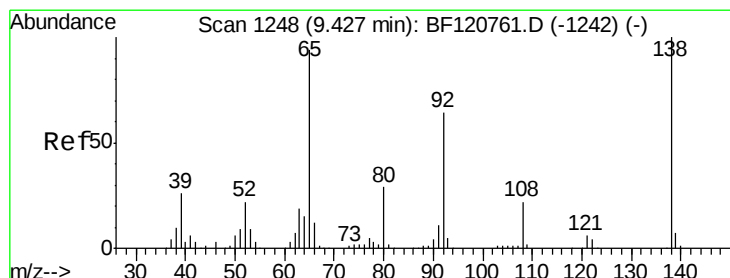
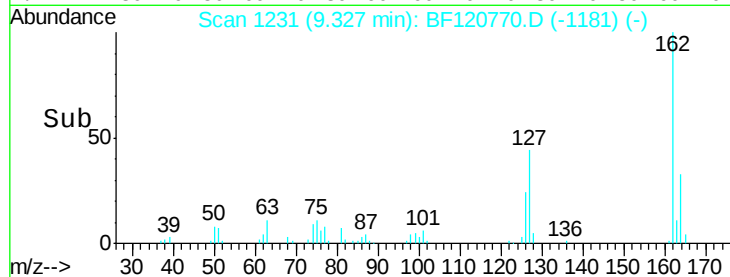
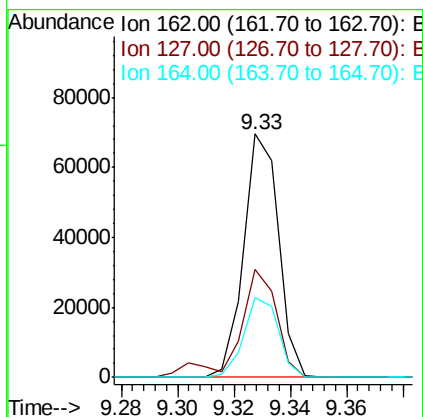
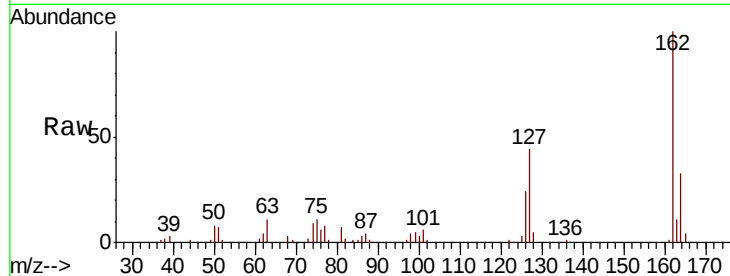




#47  
2-Chloronaphthalene  
Concen: 3.609 ng  
RT: 9.33 min Scan# 1231  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

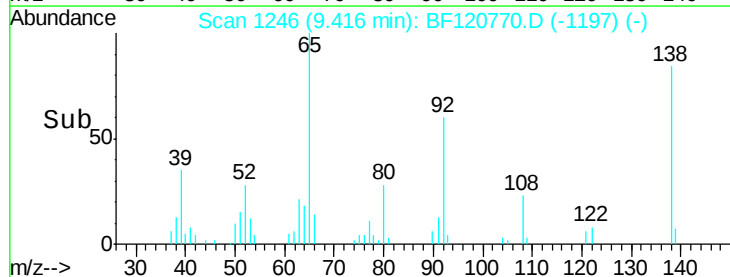
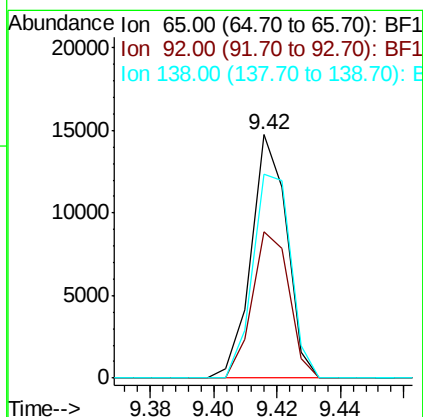
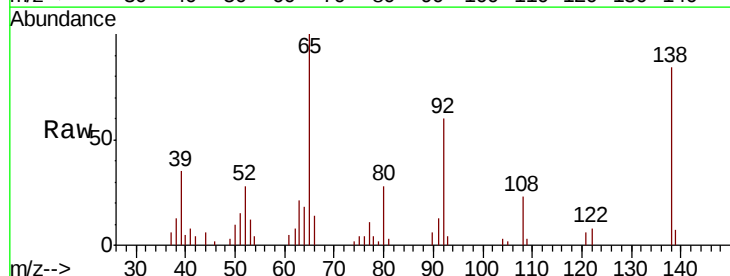
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

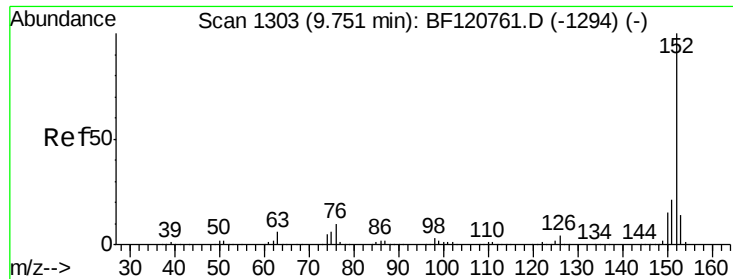
Tot Ion:162 Resp: 59541  
Ion Ratio Lower Upper  
162 100  
127 44.5 33.7 50.5  
164 32.9 26.4 39.6



#48  
2-Nitroaniline  
Concen: 2.603 ng  
RT: 9.42 min Scan# 1246  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion: 65 Resp: 11490  
Ion Ratio Lower Upper  
65 100  
92 59.9 54.4 81.6  
138 83.6 84.7 127.1#





#49

Acenaphthylene

Concen: 3.652 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

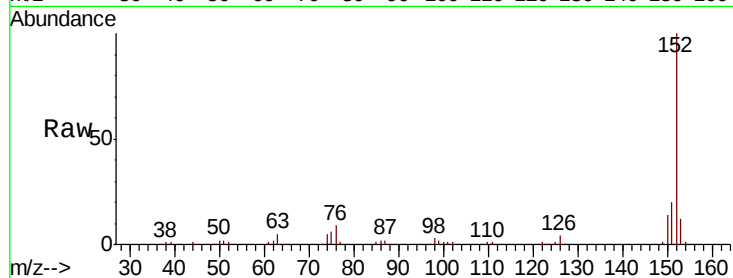
Tot Ion:152 Resp: 94473

Ion Ratio Lower Upper

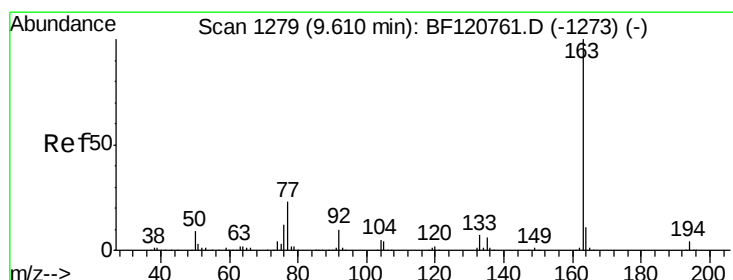
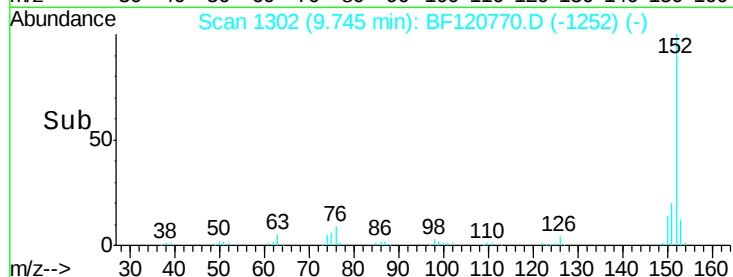
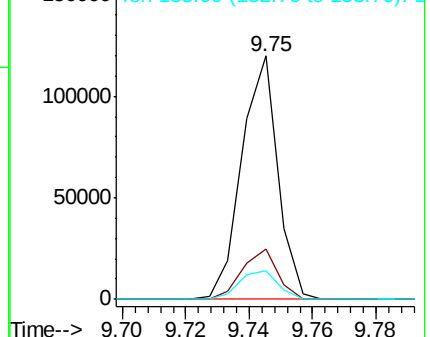
152 100

151 20.4 16.9 25.3

153 12.0 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 3.596 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

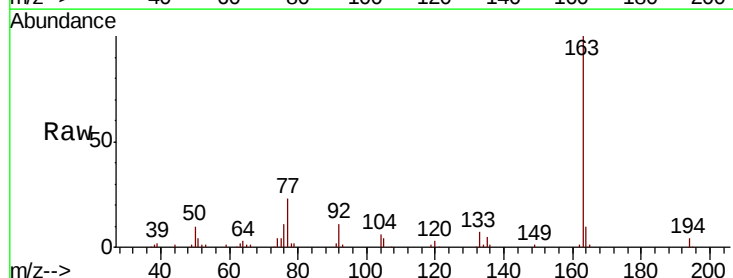
Tgt Ion:163 Resp: 66977

Ion Ratio Lower Upper

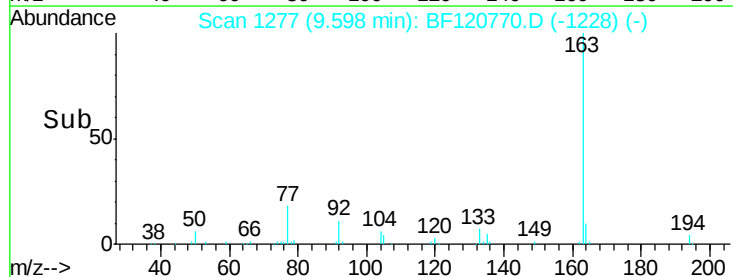
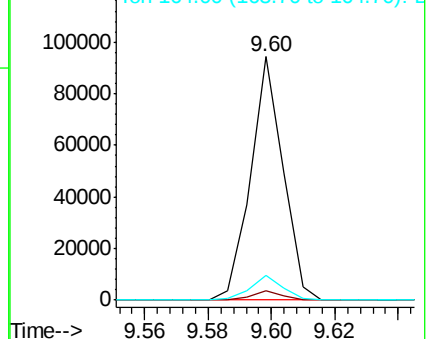
163 100

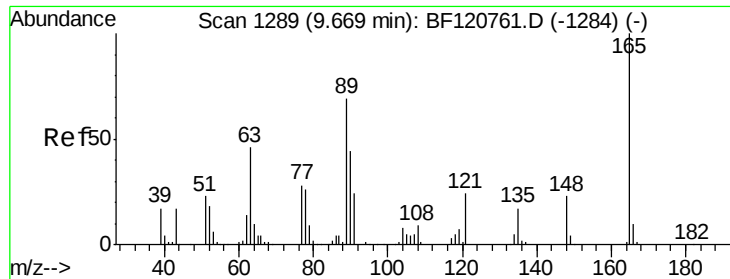
194 3.7 2.9 4.3

164 10.4 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 2.846 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

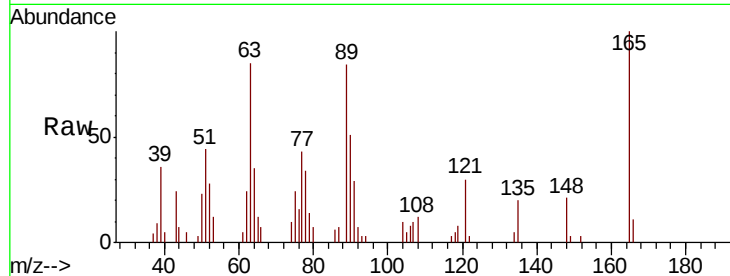
Tot Ion:165 Resp: 9576

Ion Ratio Lower Upper

165 100

63 85.1 54.0 81.0#

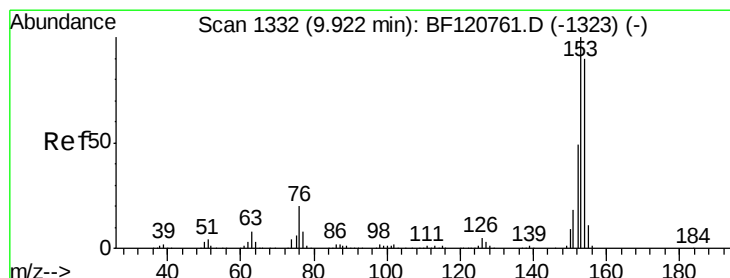
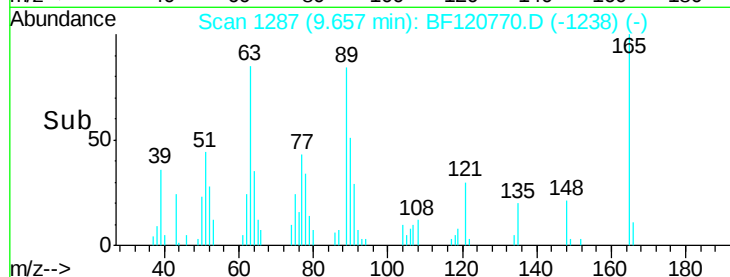
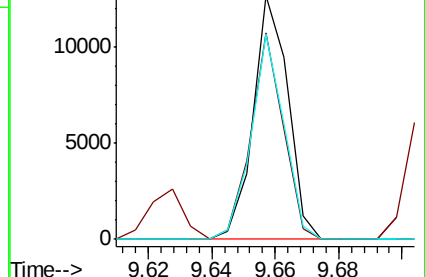
89 84.3 55.4 83.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 3.629 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

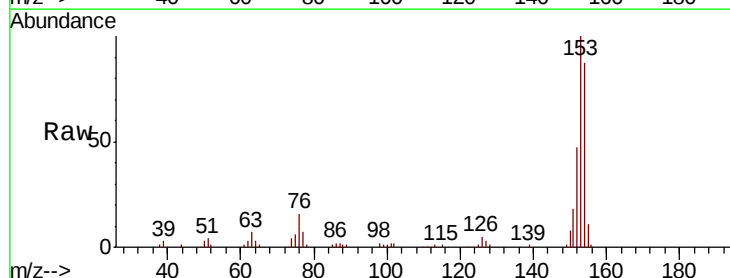
Tgt Ion:154 Resp: 58229

Ion Ratio Lower Upper

154 100

153 114.6 88.6 132.8

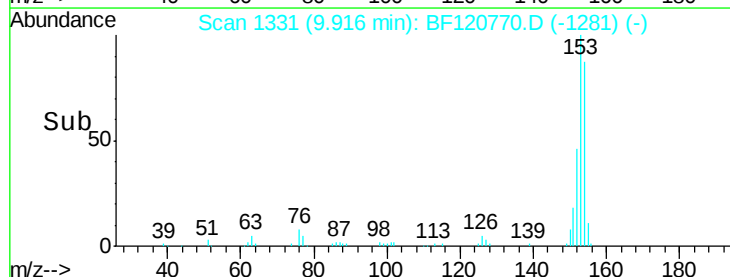
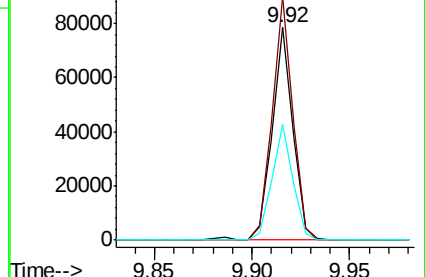
152 54.1 43.6 65.4

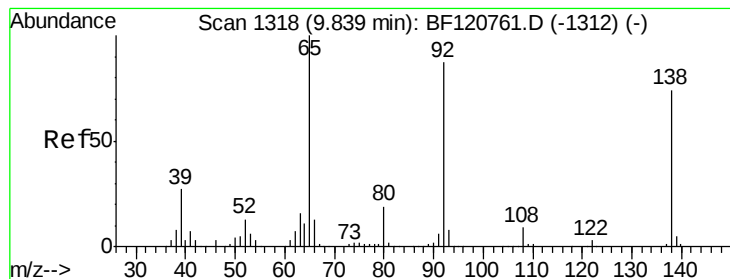


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 2.764 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

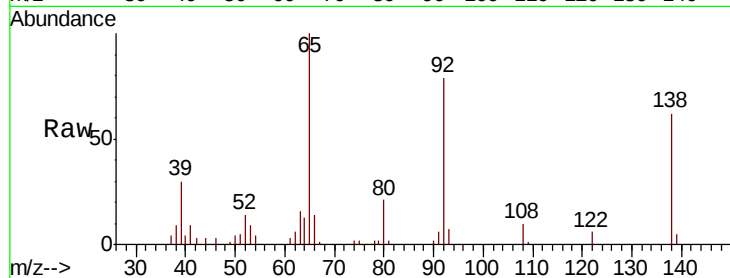
Tot Ion:138 Resp: 11490

Ion Ratio Lower Upper

138 100

108 16.2 9.8 14.6#

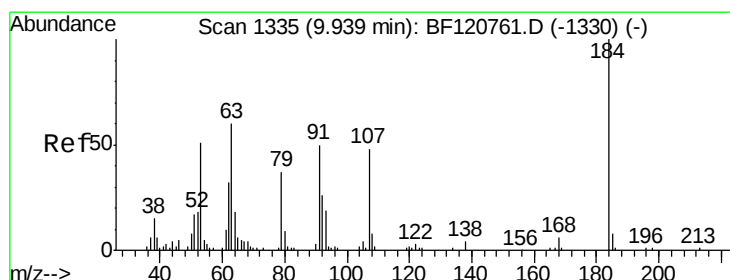
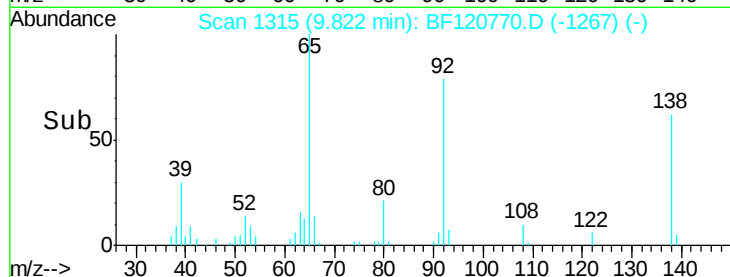
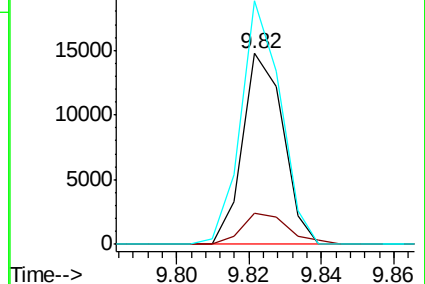
92 127.5 93.4 140.2



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): BF1



#54

2,4-Dinitrophenol

Concen: 0.900 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

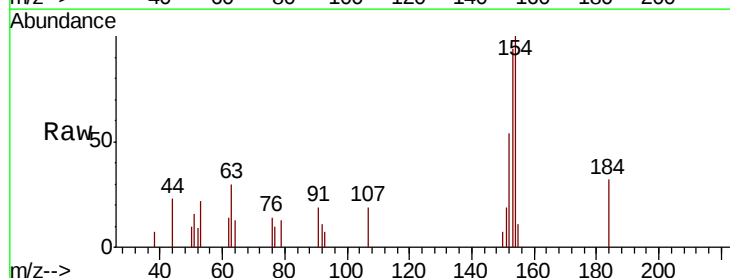
Tgt Ion:184 Resp: 1000

Ion Ratio Lower Upper

184 100

63 93.2 57.3 85.9#

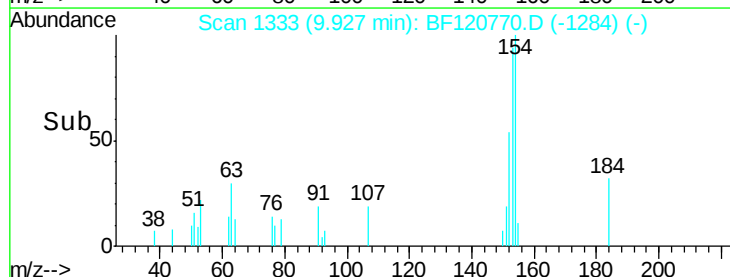
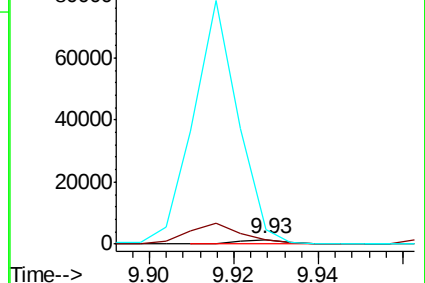
154 311.0 55.8 83.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

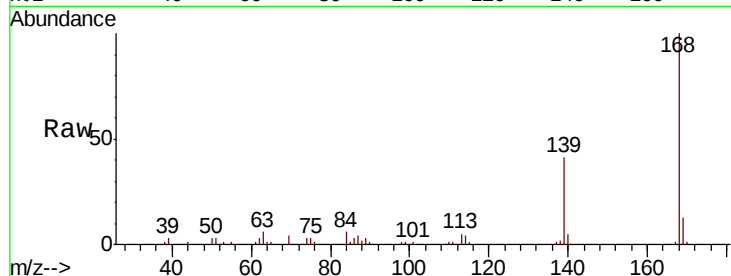




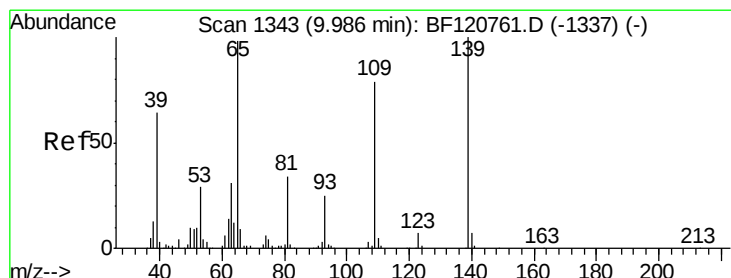
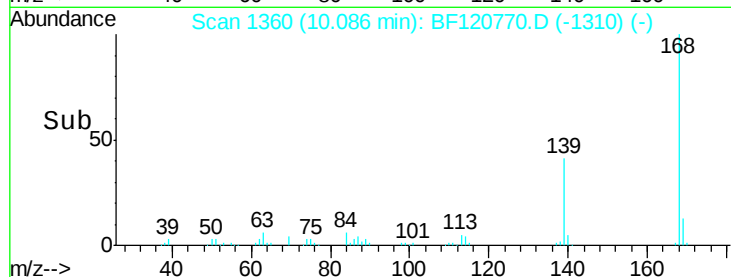
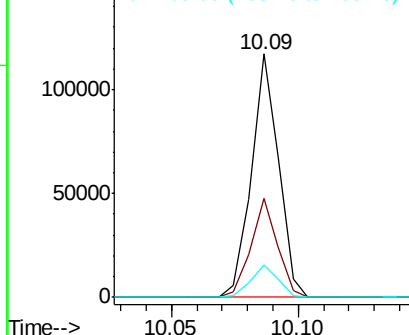
#55  
Dibenzenofuran  
Concen: 3.772 ng  
RT: 10.09 min Scan# 1360  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:168 Resp: 87259  
Ion Ratio Lower Upper  
168 100  
139 40.6 31.3 46.9  
169 13.1 11.2 16.8

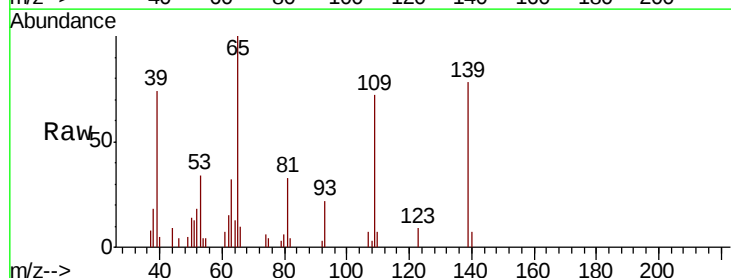


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

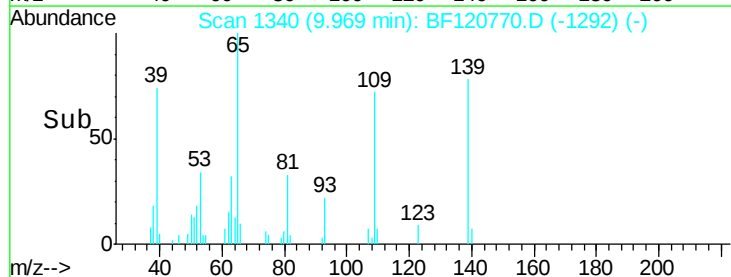
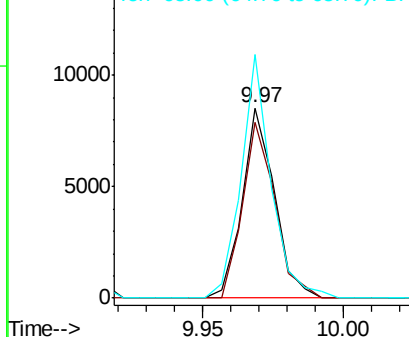


#56  
4-Nitrophenol  
Concen: 2.213 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. -0.02 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion:139 Resp: 6758  
Ion Ratio Lower Upper  
139 100  
109 92.7 58.6 98.6  
65 128.1 78.7 118.7#



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

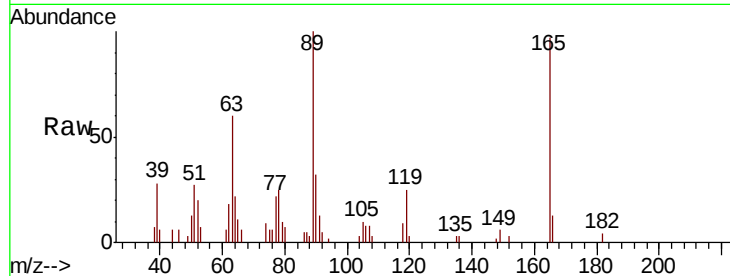




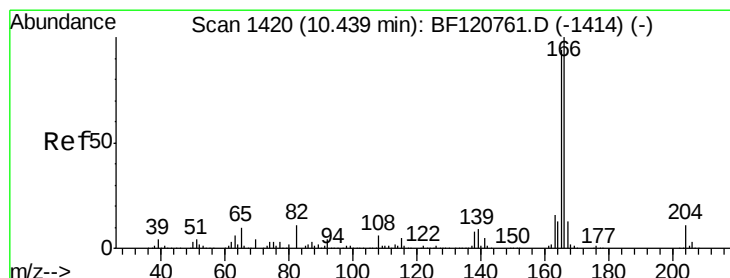
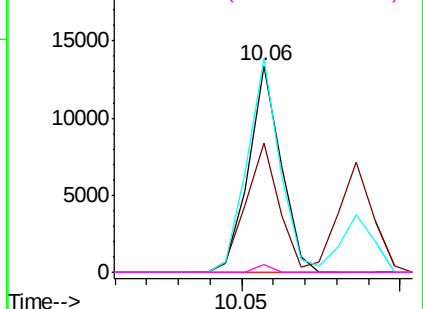
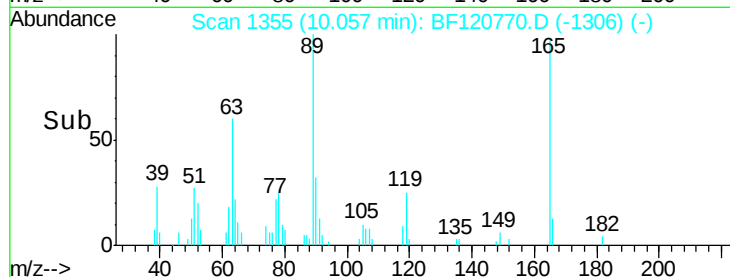
#57  
2,4-Dinitrotoluene  
Concen: 2.360 ng  
RT: 10.06 min Scan# 1355  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:165 Resp: 9532  
Ion Ratio Lower Upper  
165 100  
63 62.3 43.8 65.8  
89 103.3 71.4 107.2  
182 3.7 1.8 2.6#

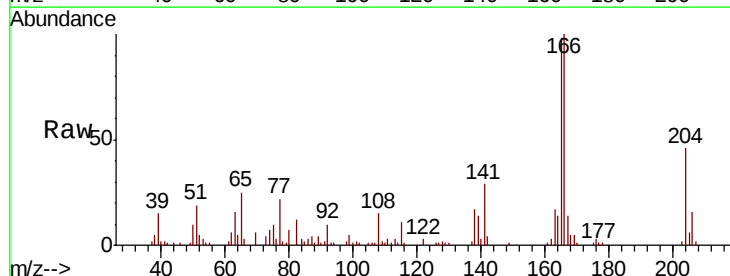


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

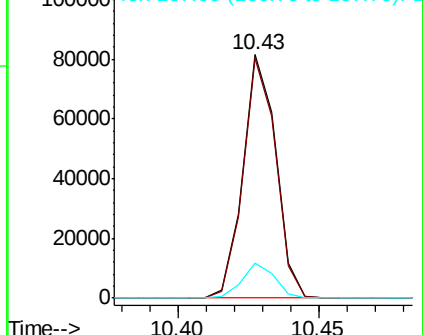
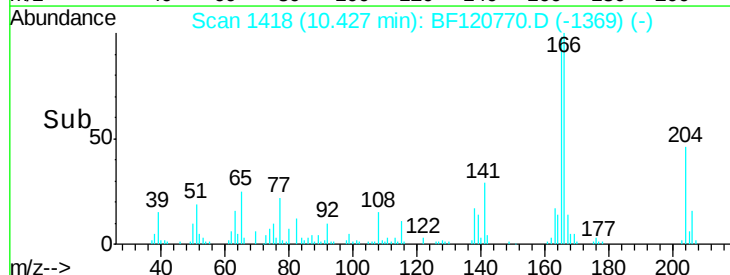


#58  
Fluorene  
Concen: 3.825 ng  
RT: 10.43 min Scan# 1418  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion:166 Resp: 65858  
Ion Ratio Lower Upper  
166 100  
165 98.2 75.5 113.3  
167 14.1 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E

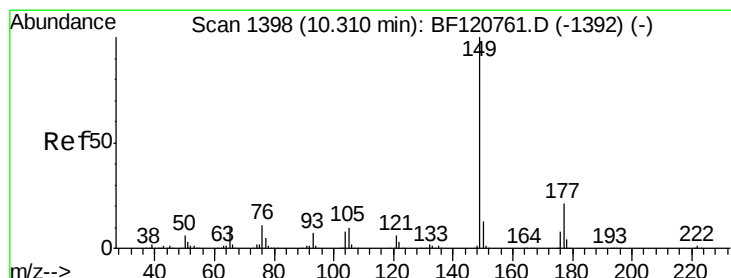
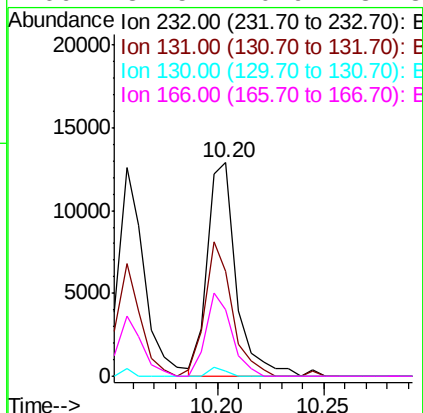
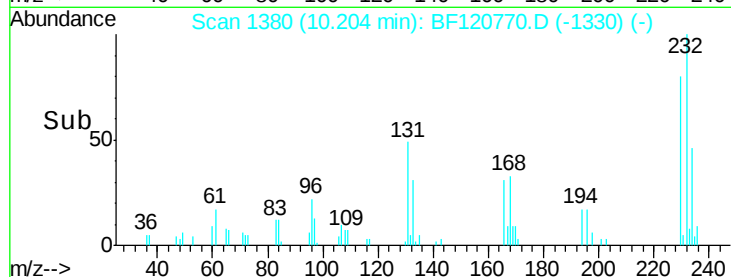
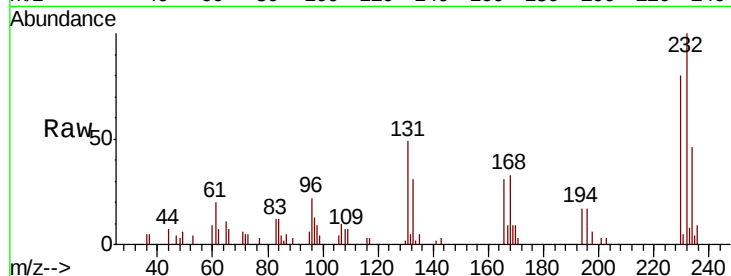




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 2.877 ng  
RT: 10.20 min Scan# 1380  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

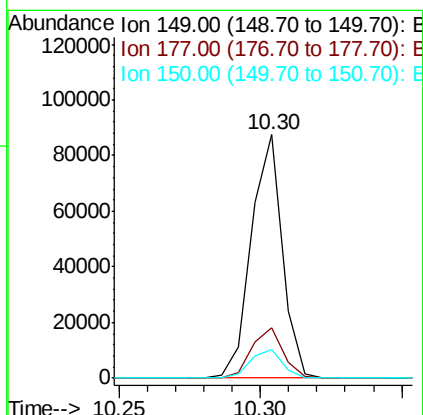
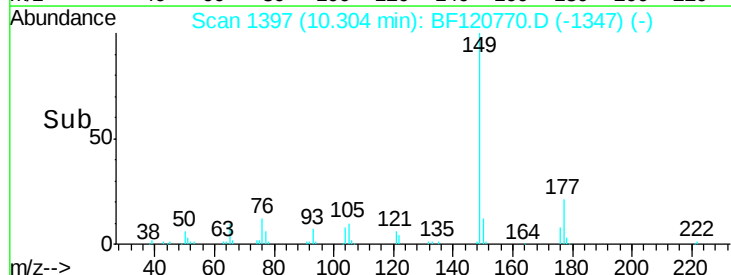
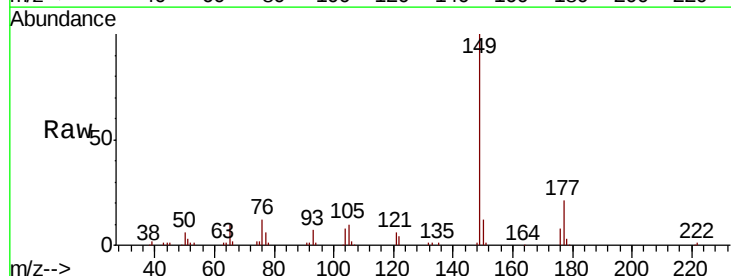
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:232 Resp: 12495  
Ion Ratio Lower Upper  
232 100  
131 58.7 36.3 54.5#  
130 2.5 2.0 3.0  
166 34.5 20.9 31.3#



#60  
Diethylphthalate  
Concen: 3.427 ng  
RT: 10.30 min Scan# 1397  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion:149 Resp: 66491  
Ion Ratio Lower Upper  
149 100  
177 20.9 16.4 24.6  
150 11.9 10.2 15.4

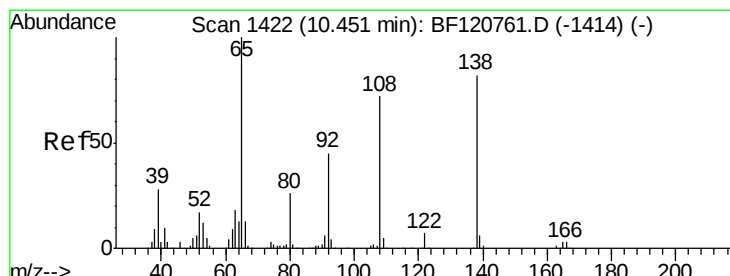
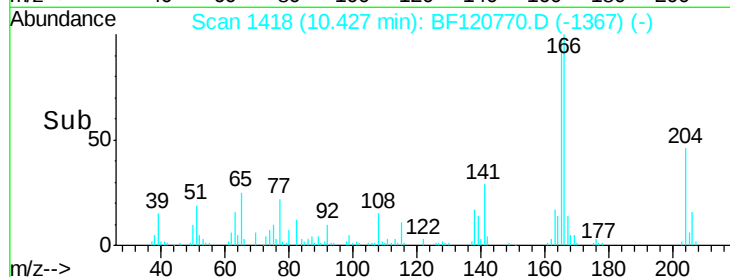
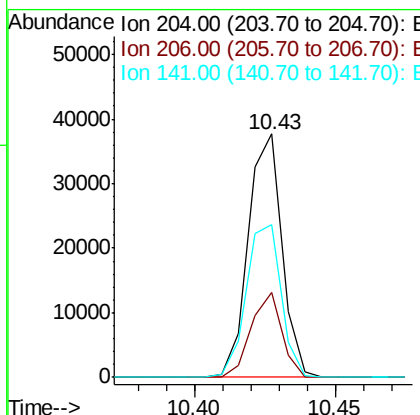
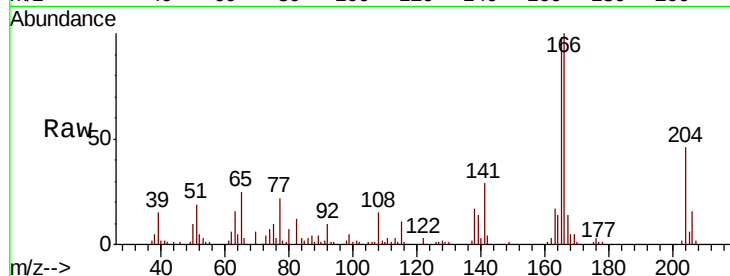




#61  
4-Chlorophenyl-phenylether  
Concen: 3.614 ng  
RT: 10.43 min Scan# 1418  
Delta R.T. 0.00 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

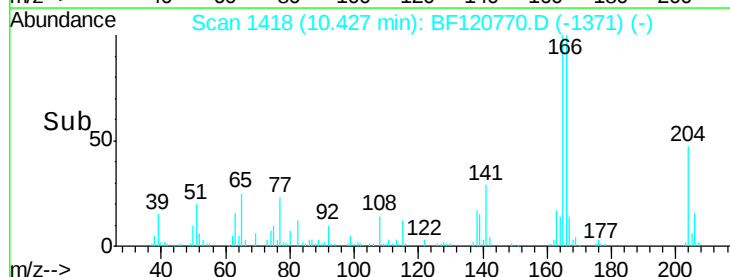
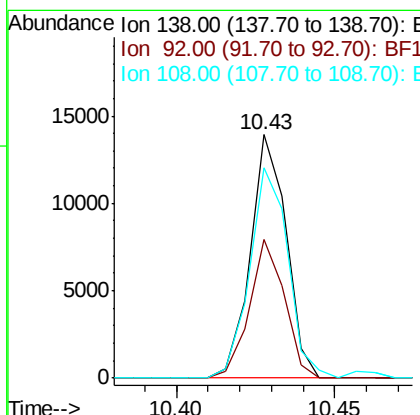
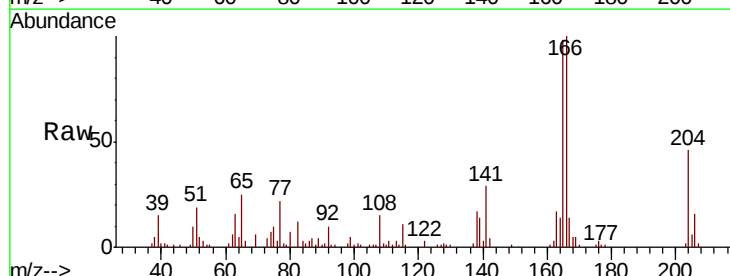
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:204 Resp: 31280  
Ion Ratio Lower Upper  
204 100  
206 35.0 26.7 40.1  
141 62.7 48.5 72.7



#62  
4-Nitroaniline  
Concen: 2.768 ng  
RT: 10.43 min Scan# 1418  
Delta R.T. -0.02 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion:138 Resp: 10955  
Ion Ratio Lower Upper  
138 100  
92 57.1 34.3 74.3  
108 86.2 68.3 108.3

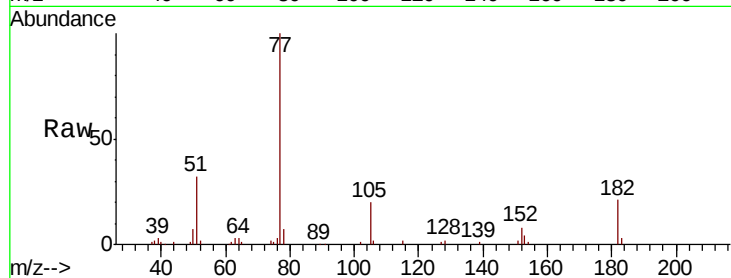




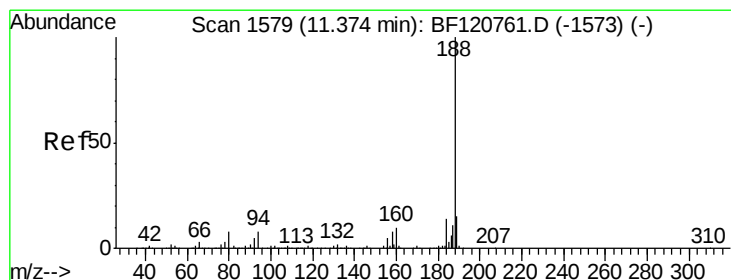
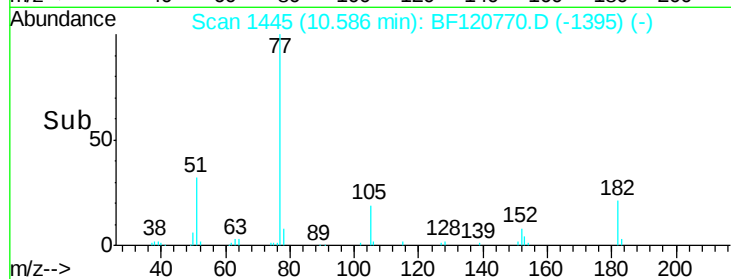
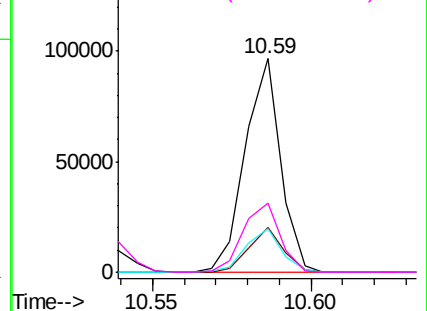
#63  
Azobenzene  
Concen: 3.766 ng  
RT: 10.59 min Scan# 1445  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion: | 77    | Resp: | 74748 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 182      | 20.8  | 4.0   | 44.0  |
| 105      | 20.4  | 2.6   | 42.6  |
| 51       | 32.5  | 11.5  | 51.5  |

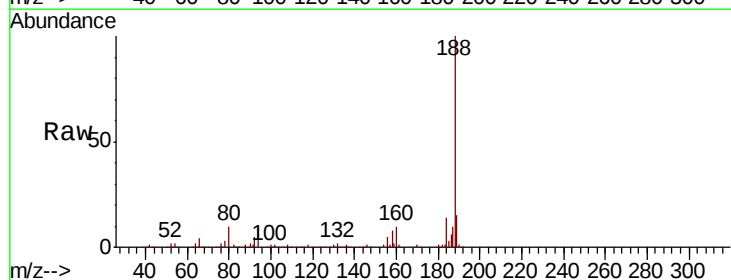


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1

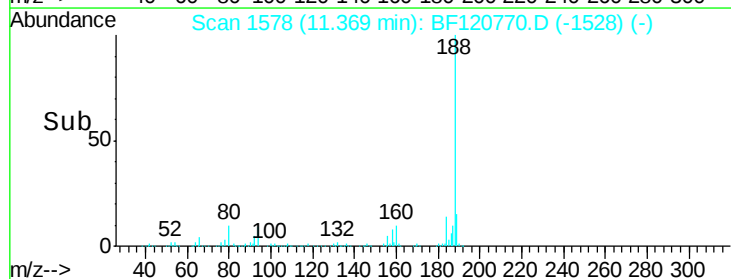
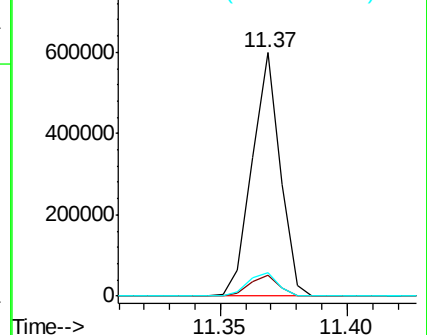


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1578  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

| Tgt Ion: | 188   | Resp: | 464300 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.8   | 6.6   | 9.8    |
| 80       | 9.6   | 6.6   | 10.0   |



Abundance Ion 188.00 (187.70 to 188.70): BF1  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

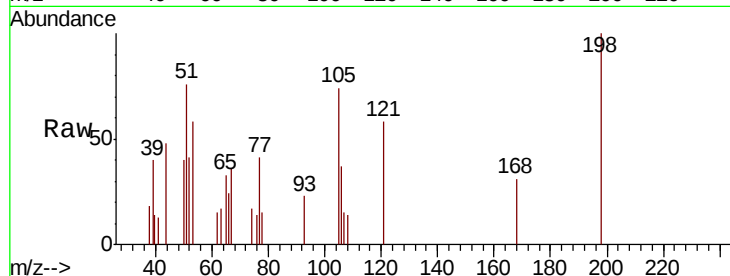




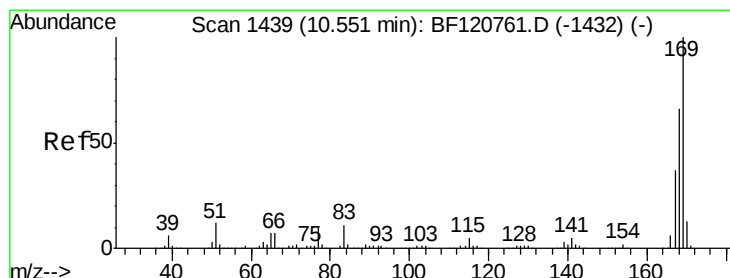
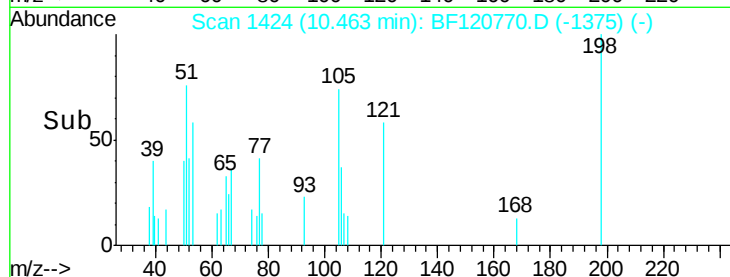
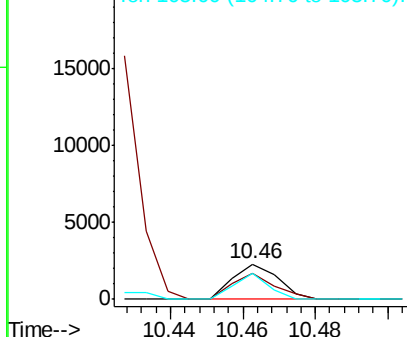
#65  
4,6-Dinitro-2-methylphenol  
Concen: 1.307 ng  
RT: 10.46 min Scan# 1424  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:198 Resp: 1950  
Ion Ratio Lower Upper  
198 100  
51 75.7 50.0 90.0  
105 74.4 38.3 78.3

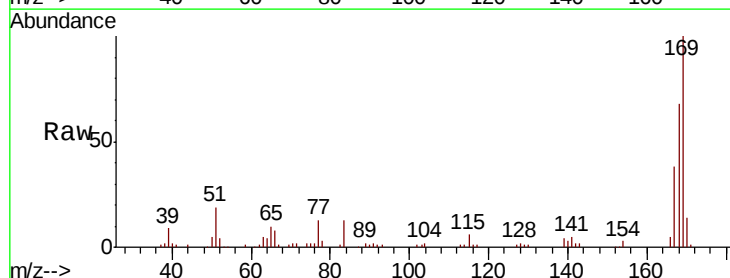


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

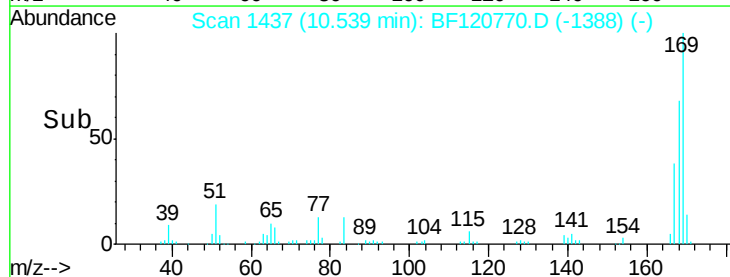
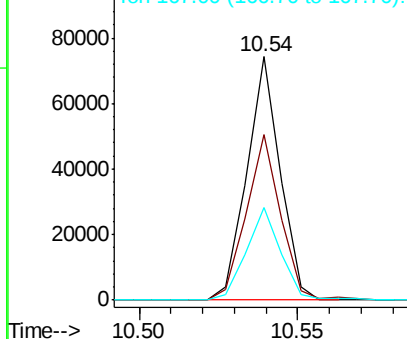


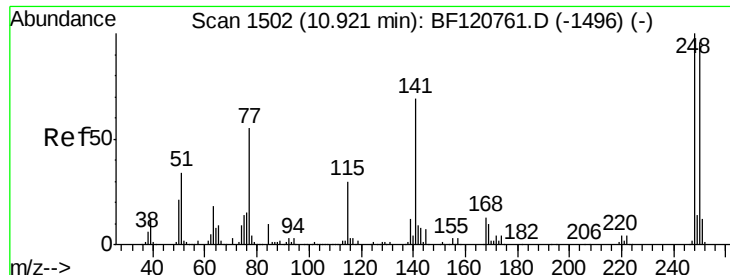
#66  
n-Nitrosodiphenylamine  
Concen: 3.474 ng  
RT: 10.54 min Scan# 1437  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion:169 Resp: 54059  
Ion Ratio Lower Upper  
169 100  
168 67.9 53.1 79.7  
167 38.2 29.6 44.4



Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

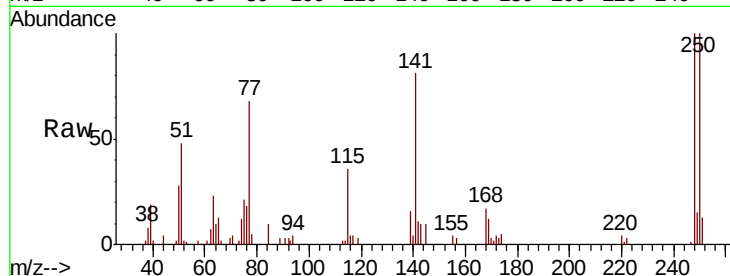




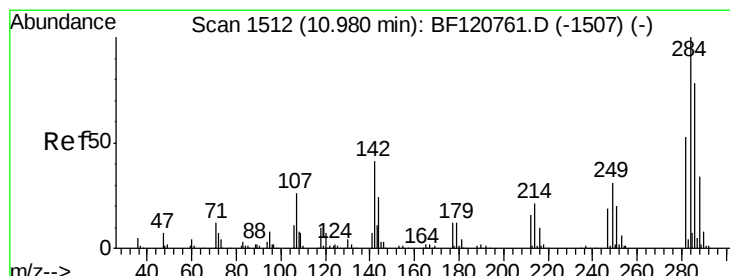
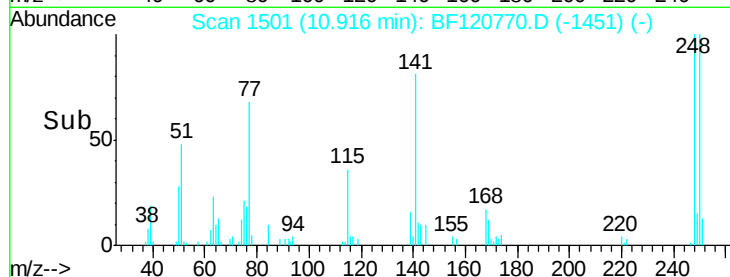
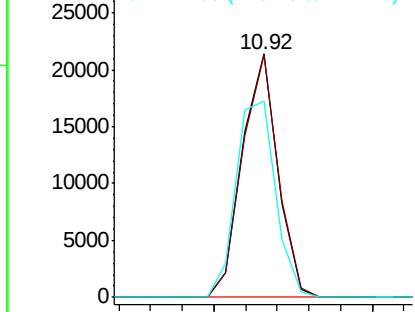
#67  
4-Bromophenyl-phenylether  
Concen: 3.092 ng  
RT: 10.92 min Scan# 1501  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:248 Resp: 16653  
Ion Ratio Lower Upper  
248 100  
250 99.5 76.5 114.7  
141 80.8 54.9 82.3

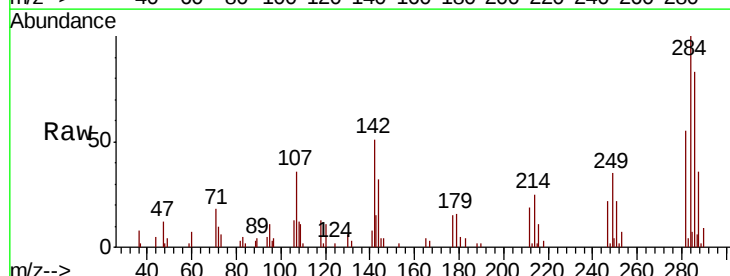


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

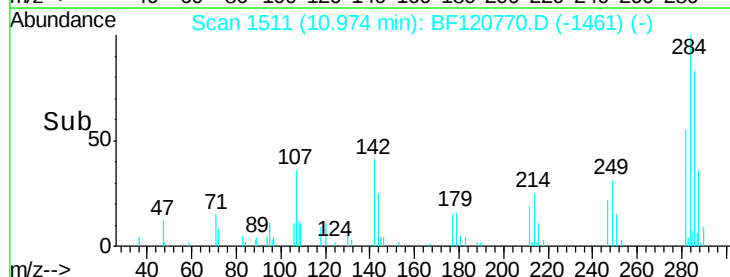
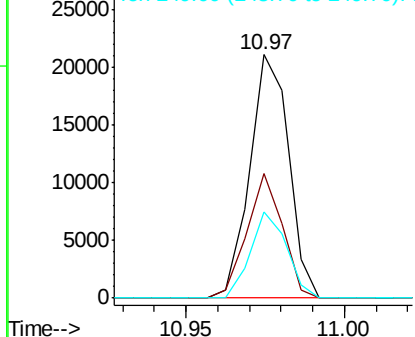


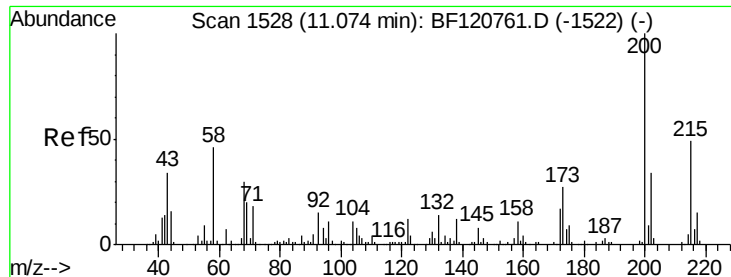
#68  
Hexachlorobenzene  
Concen: 3.185 ng  
RT: 10.97 min Scan# 1511  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion:284 Resp: 17999  
Ion Ratio Lower Upper  
284 100  
142 51.0 32.5 48.7#  
249 38.9 24.8 37.2#



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

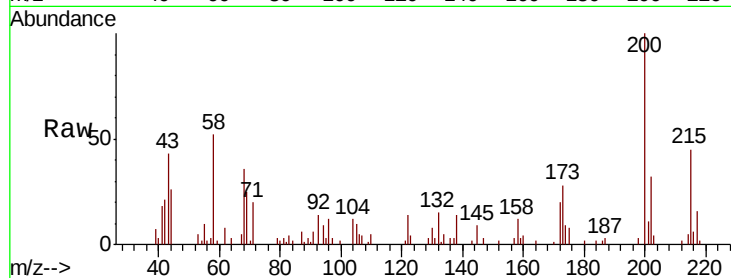




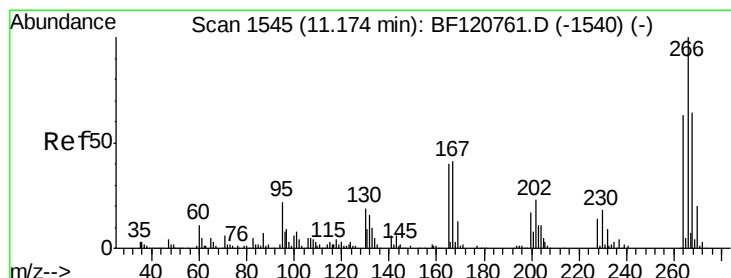
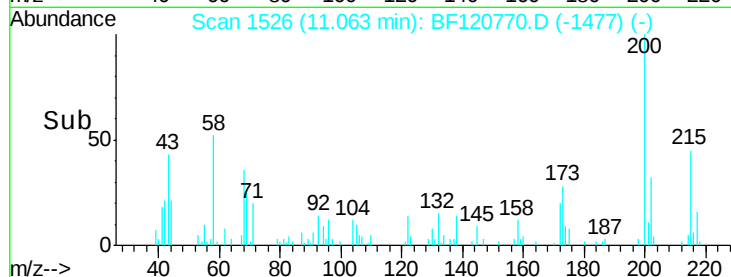
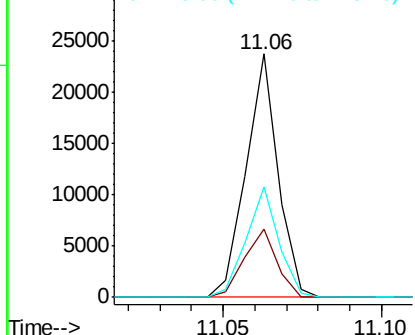
#69  
Atrazine  
Concen: 4.128 ng  
RT: 11.06 min Scan# 1526  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:200 Resp: 16549  
Ion Ratio Lower Upper  
200 100  
173 28.1 7.4 47.4  
215 45.2 28.8 68.8

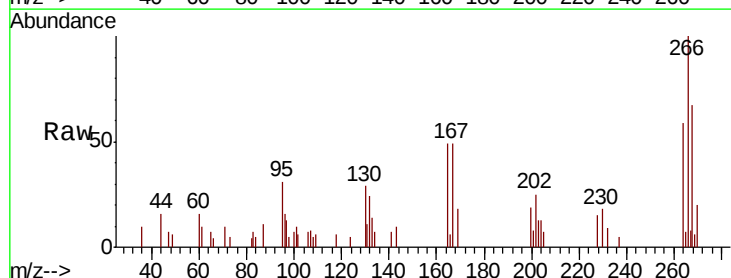


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

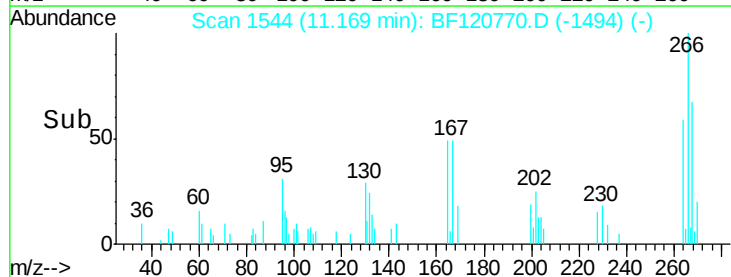
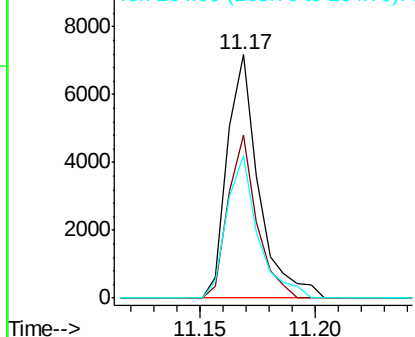


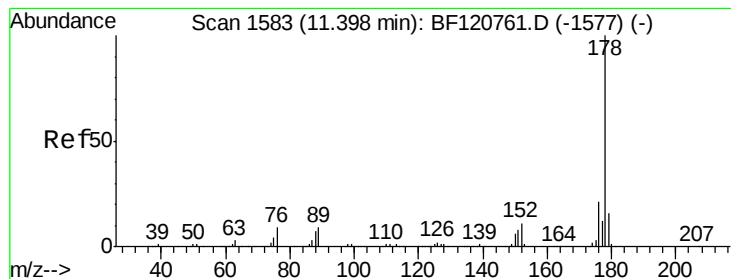
#70  
Pentachlorophenol  
Concen: 2.120 ng  
RT: 11.17 min Scan# 1544  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion:266 Resp: 6780  
Ion Ratio Lower Upper  
266 100  
268 72.4 51.4 77.2  
264 65.2 50.6 75.8



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





#71

Phenanthrene

Concen: 3.733 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

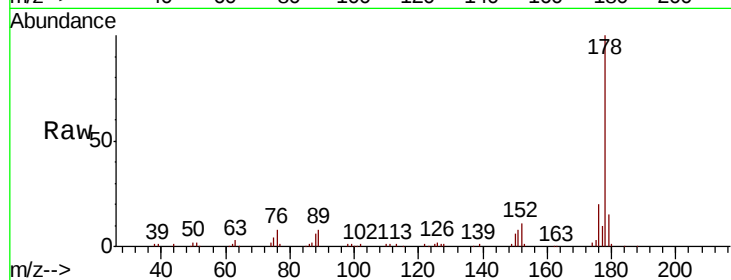
Tot Ion:178 Resp: 94036

Ion Ratio Lower Upper

178 100

176 19.7 16.4 24.6

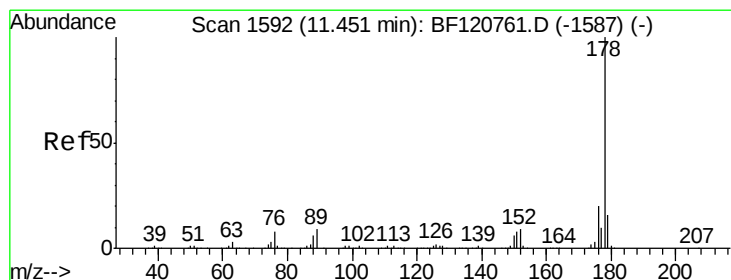
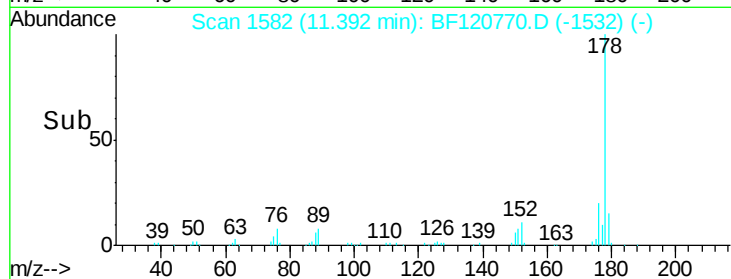
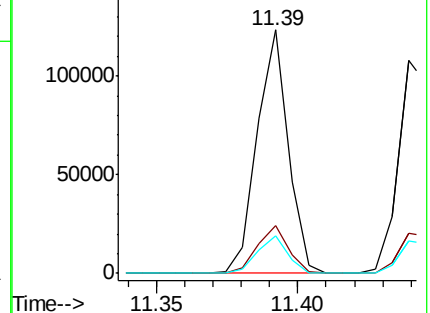
179 15.3 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.641 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

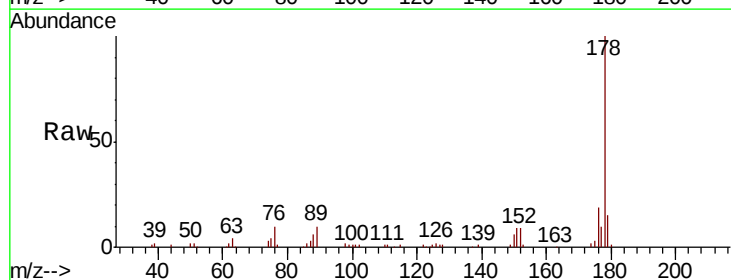
Tgt Ion:178 Resp: 92696

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.2

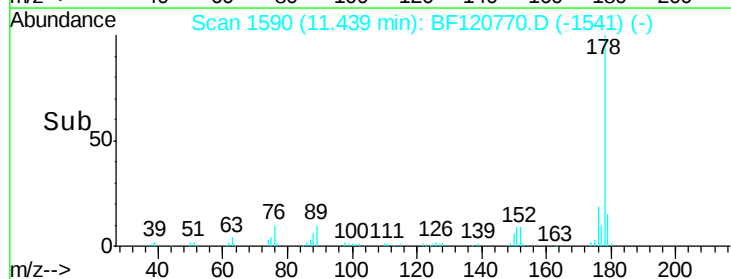
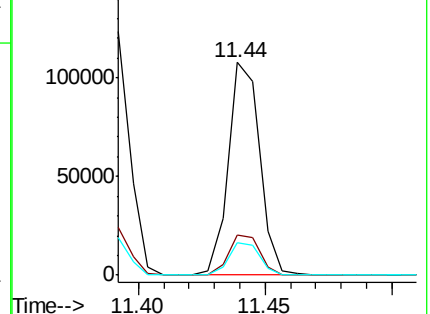
179 15.3 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

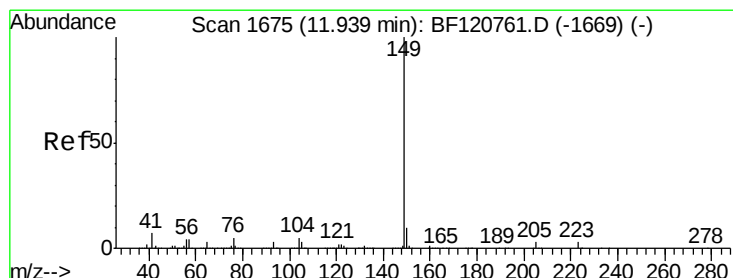
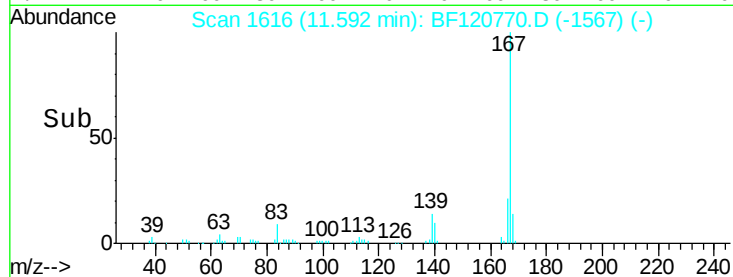
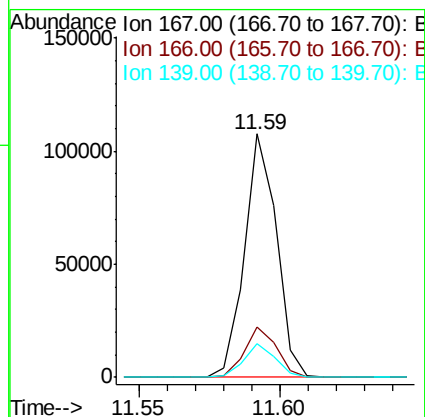
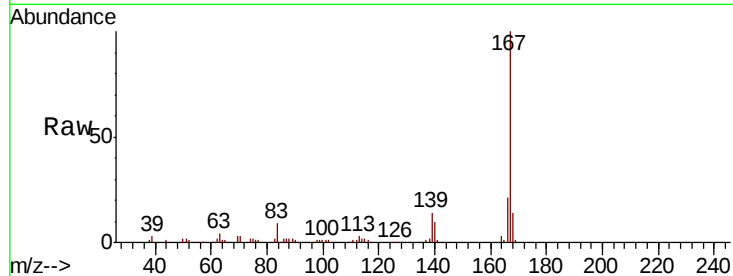




#73  
 Carbazole  
 Concen: 3.454 ng  
 RT: 11.59 min Scan# 1616  
 Delta R.T. -0.01 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

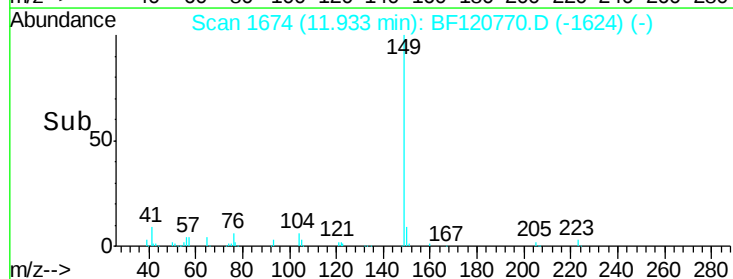
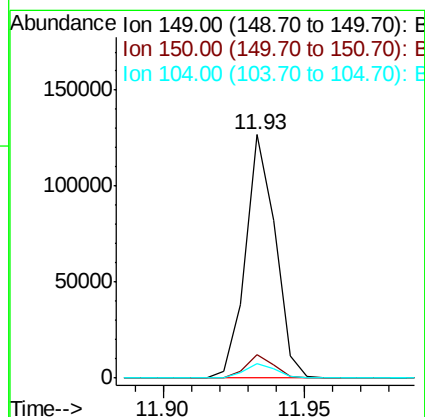
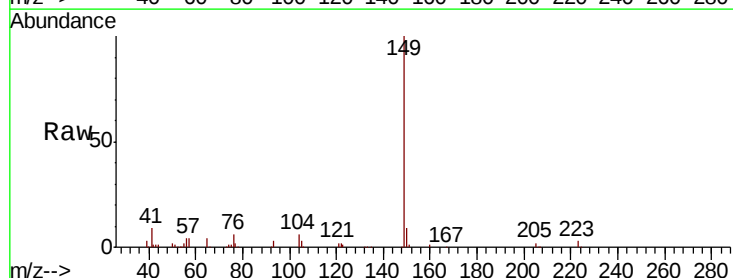
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

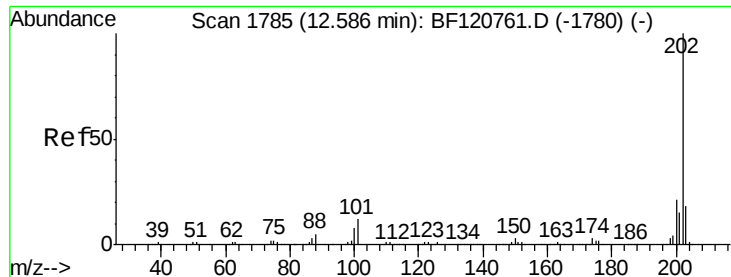
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 167   | Resp: | 84504 |
| Ion      | Ratio | Lower | Upper |
| 167      | 100   |       |       |
| 166      | 20.9  | 17.8  | 26.8  |
| 139      | 13.7  | 10.7  | 16.1  |



#74  
 Di-n-butylphthalate  
 Concen: 3.069 ng  
 RT: 11.93 min Scan# 1674  
 Delta R.T. -0.01 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 92958 |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 150      | 9.4   | 7.7   | 11.5  |
| 104      | 5.7   | 4.0   | 6.0   |





#75

Fluoranthene

Concen: 3.457 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

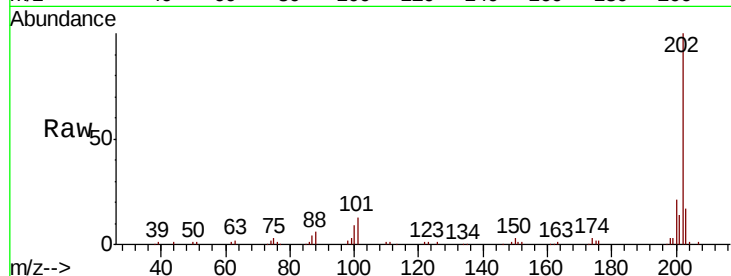
Tot Ion:202 Resp: 92783

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.6

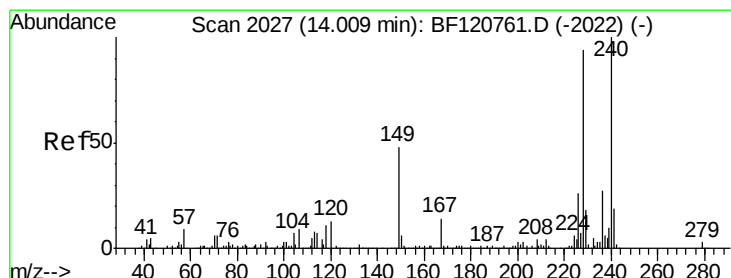
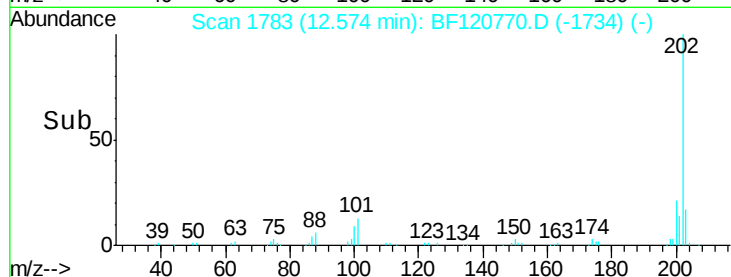
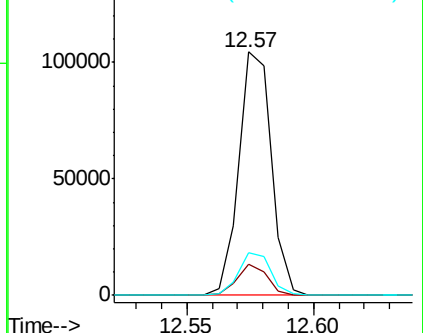
203 17.4 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

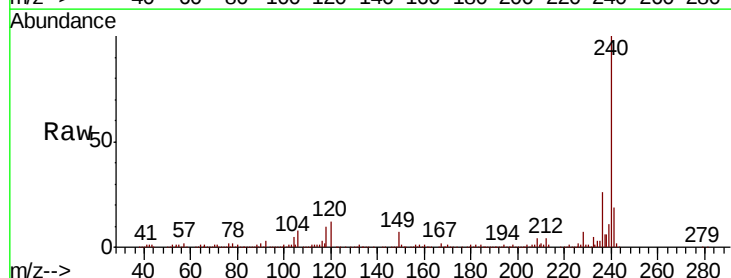
Tgt Ion:240 Resp: 361271

Ion Ratio Lower Upper

240 100

120 11.9 10.3 15.5

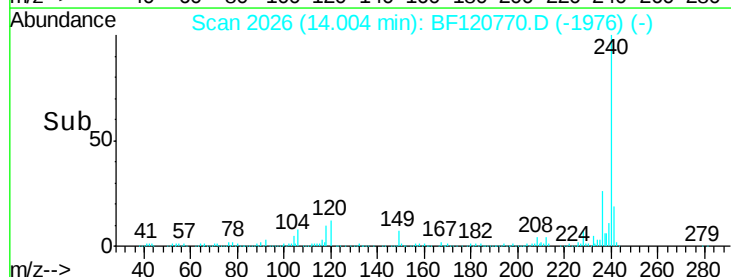
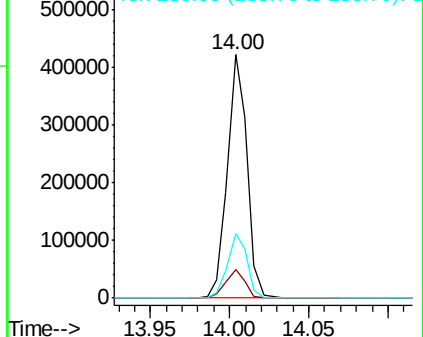
236 26.3 21.4 32.2

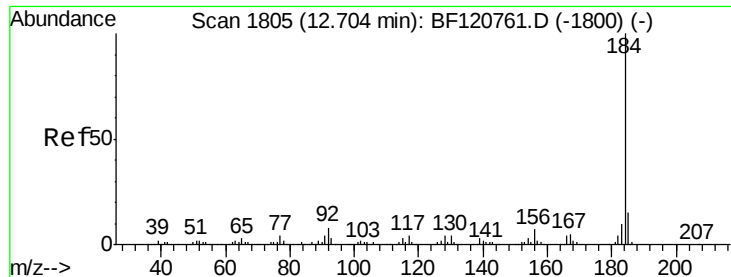


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.791 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

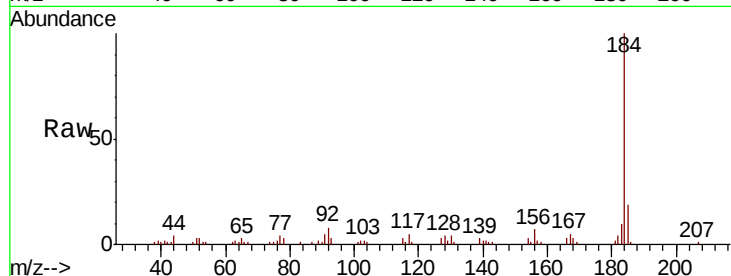
Tot Ion:184 Resp: 38657

Ion Ratio Lower Upper

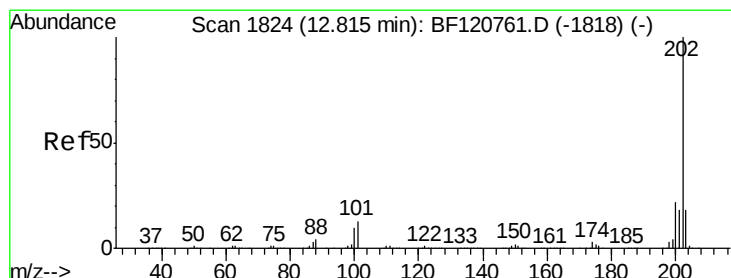
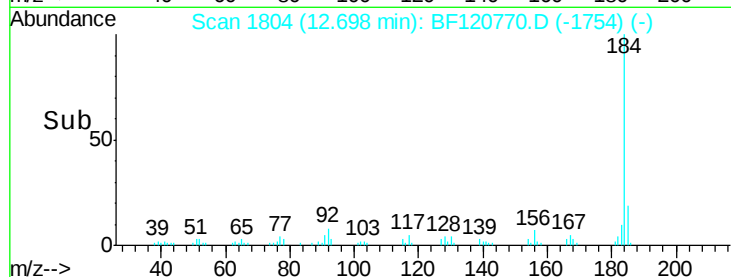
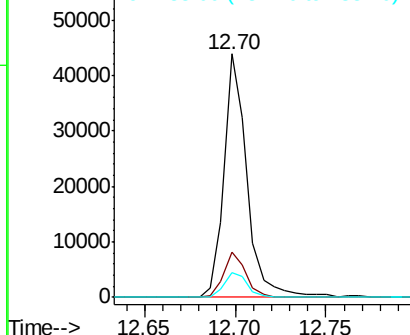
184 100

185 18.6 11.8 17.8#

183 10.0 8.3 12.5



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



#78

Pyrene

Concen: 3.388 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

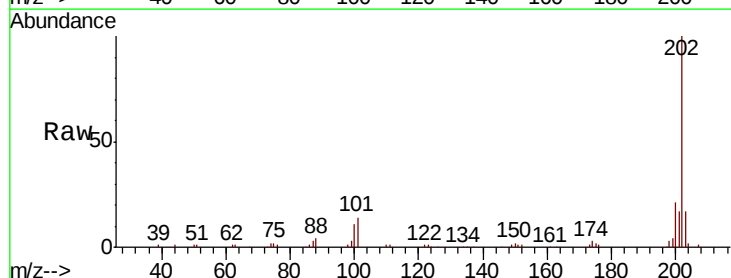
Tgt Ion:202 Resp: 97758

Ion Ratio Lower Upper

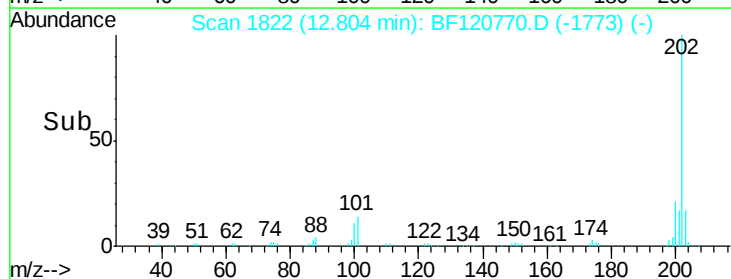
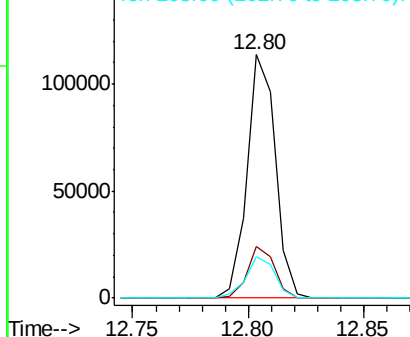
202 100

200 21.5 17.3 25.9

203 17.2 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 94.681 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

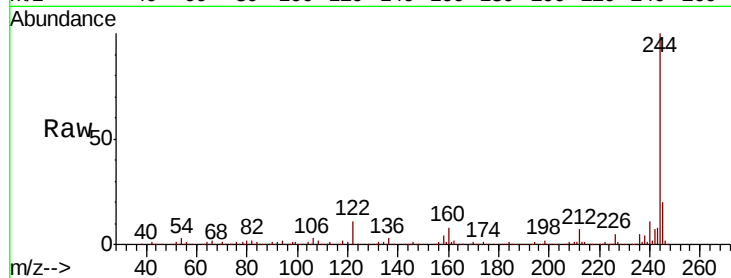
Tot Ion:244 Resp: 1747054

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

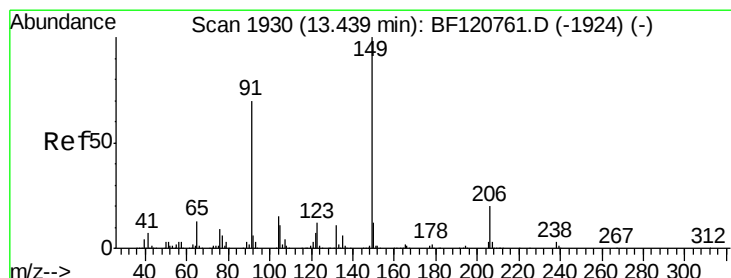
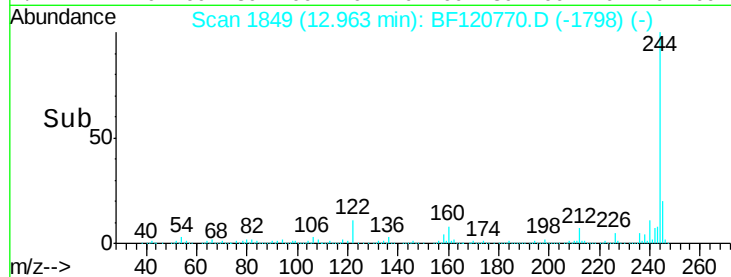
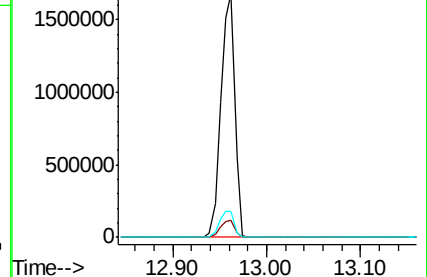
122 10.8 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 2.314 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

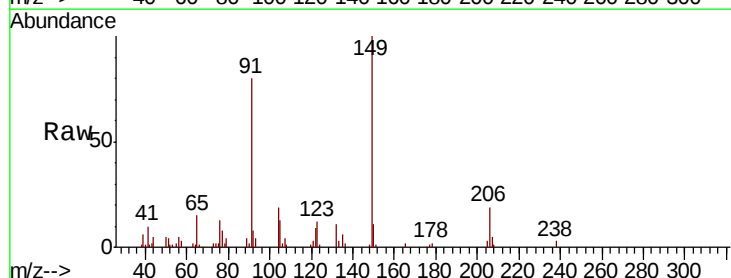
Tgt Ion:149 Resp: 28825

Ion Ratio Lower Upper

149 100

91 79.9 55.8 83.8

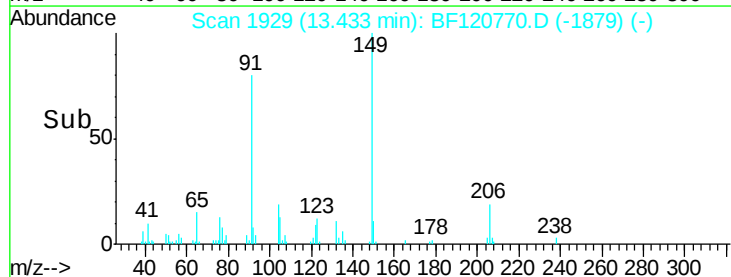
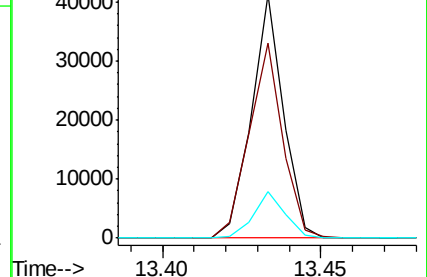
206 18.9 15.7 23.5

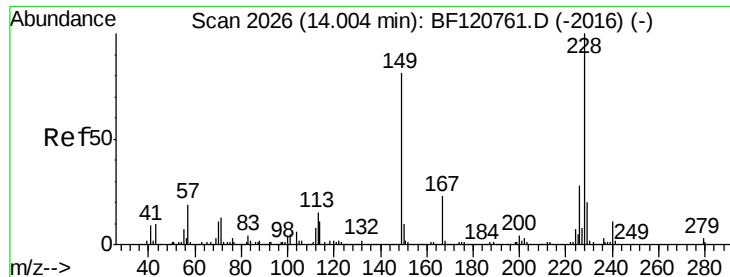


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

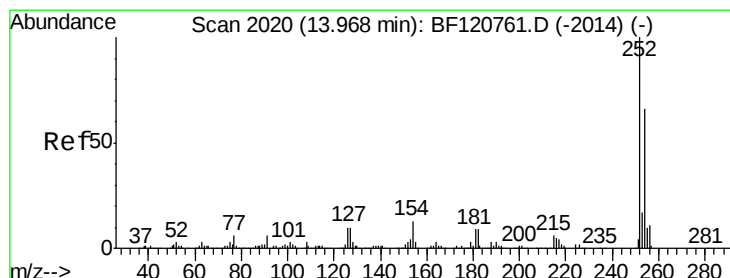
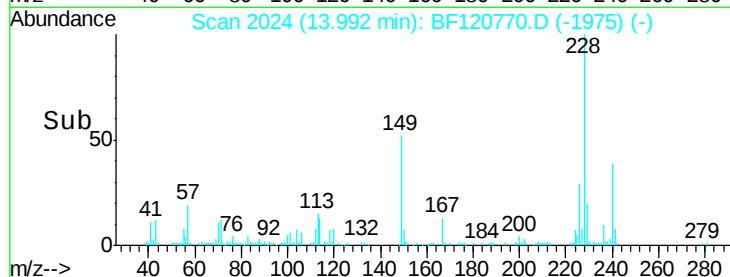
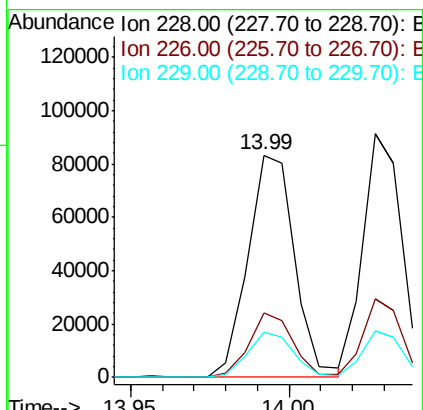
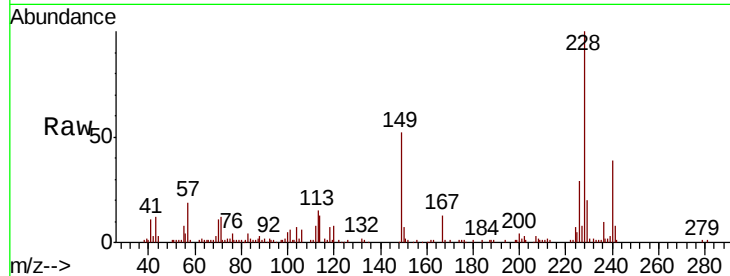




#81  
Benzo(a)anthracene  
Concen: 3.685 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

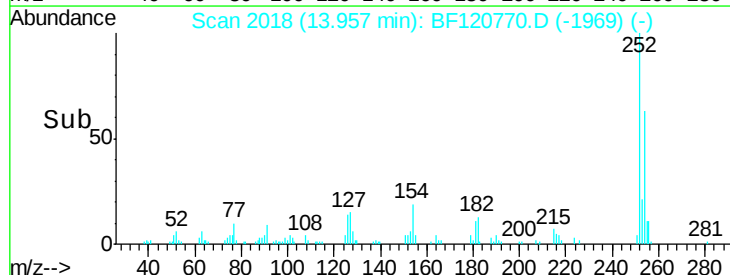
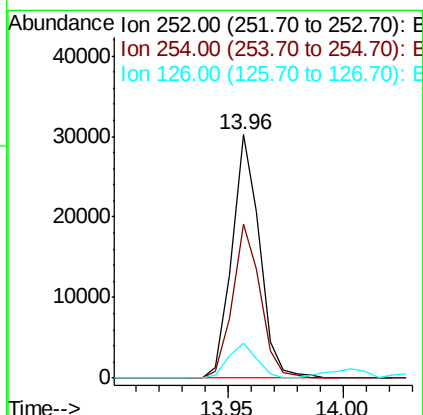
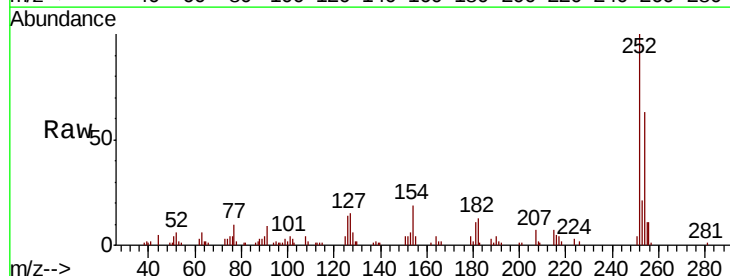
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

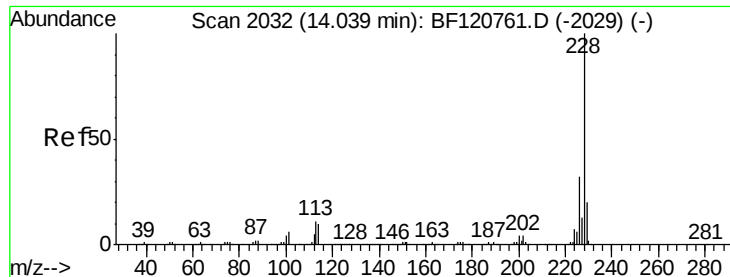
Tot Ion:228 Resp: 85331  
Ion Ratio Lower Upper  
228 100  
226 28.7 22.6 33.8  
229 20.1 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 3.228 ng  
RT: 13.96 min Scan# 2018  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion:252 Resp: 25229  
Ion Ratio Lower Upper  
252 100  
254 63.5 52.6 78.8  
126 14.3 7.8 11.8#

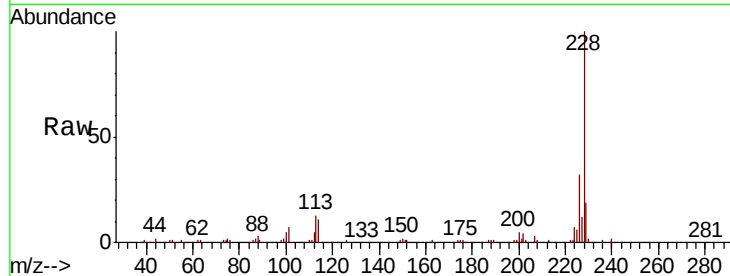




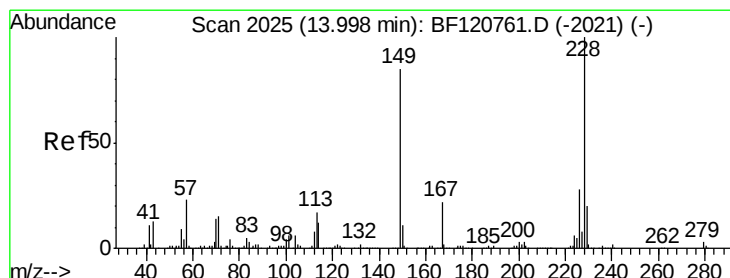
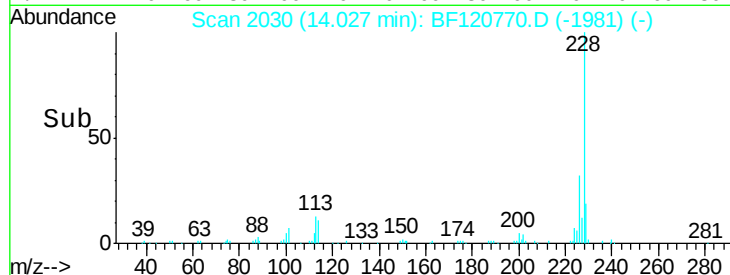
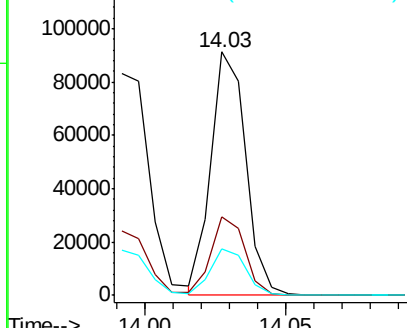
#83  
Chrysene  
Concen: 3.325 ng  
RT: 14.03 min Scan# 2030  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:228 Resp: 78538  
Ion Ratio Lower Upper  
228 100  
226 32.1 25.7 38.5  
229 19.0 16.3 24.5

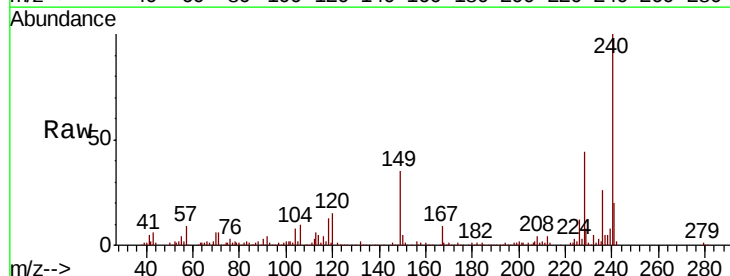


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

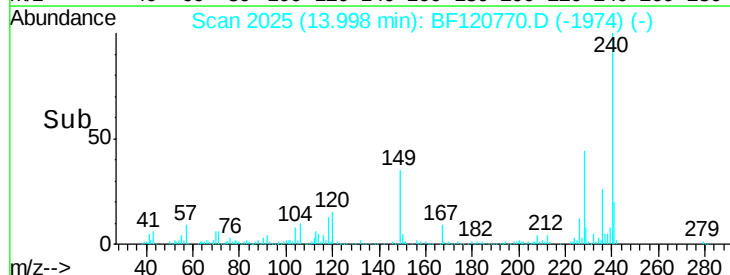
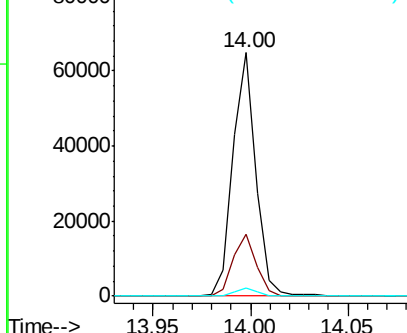


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.239 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. 0.00 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion:149 Resp: 52916  
Ion Ratio Lower Upper  
149 100  
167 25.5 20.9 31.3  
279 3.6 2.6 4.0



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





#85

Di-n-octyl phthalate

Concen: 2.261 ng

RT: 14.61 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

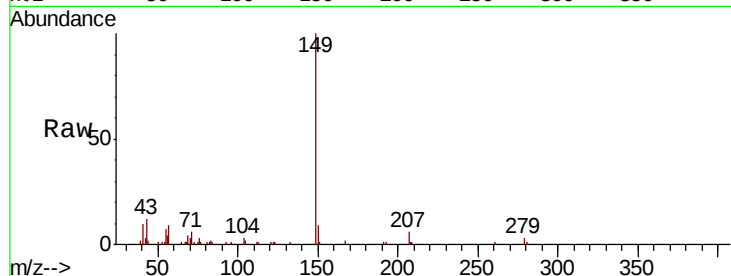
Tot Ion:149 Resp: 65330

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

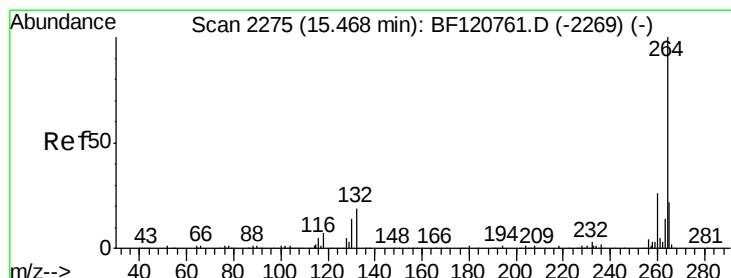
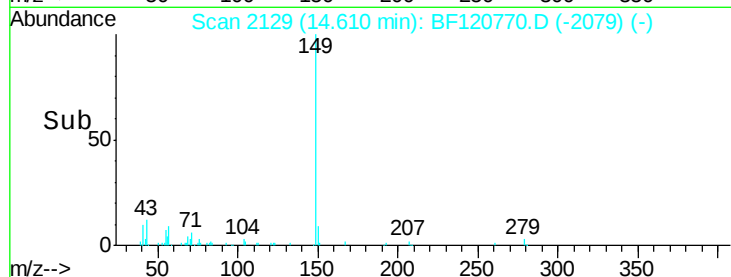
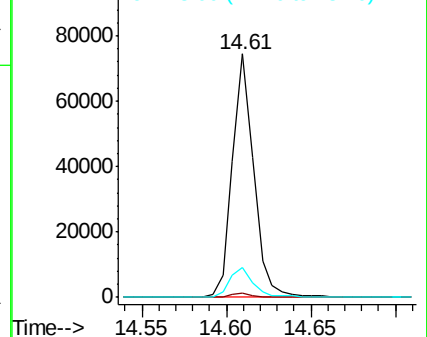
43 13.5 8.7 13.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

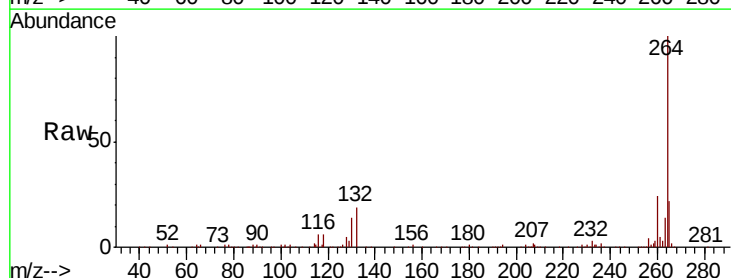
Tgt Ion:264 Resp: 311411

Ion Ratio Lower Upper

264 100

260 24.4 20.6 30.8

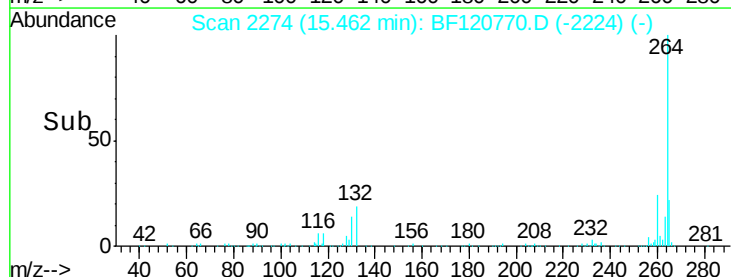
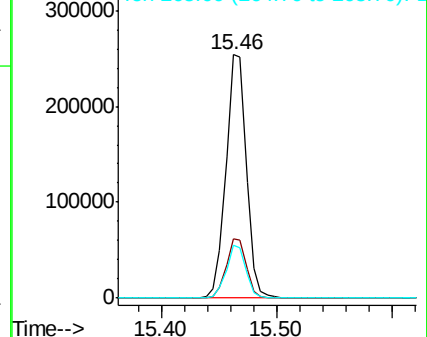
265 21.9 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

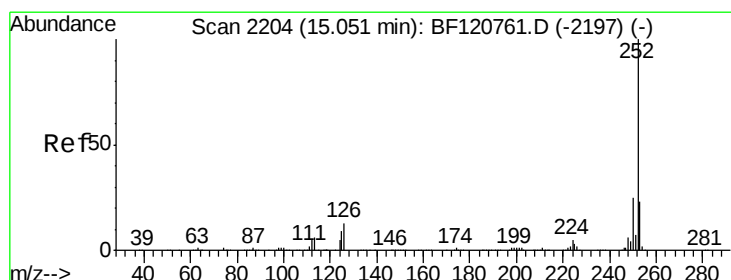
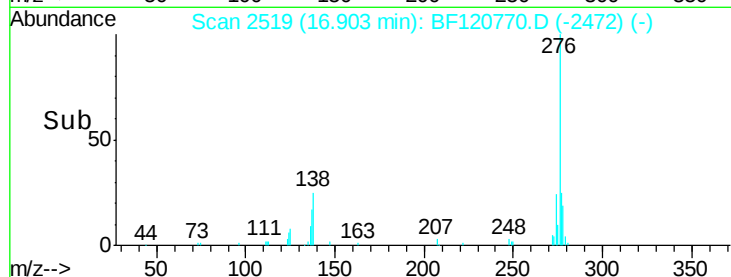
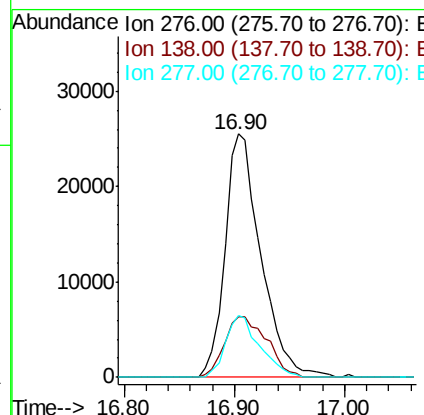
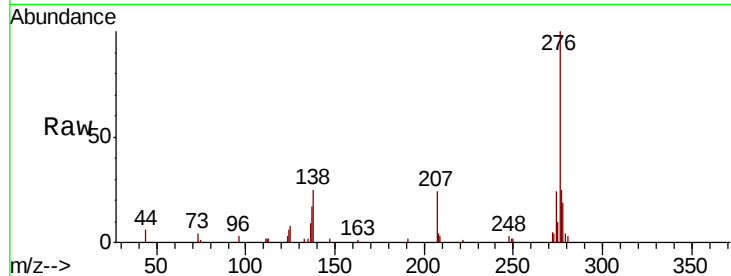




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.896 ng  
 RT: 16.90 min Scan# 2519  
 Delta R.T. -0.02 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

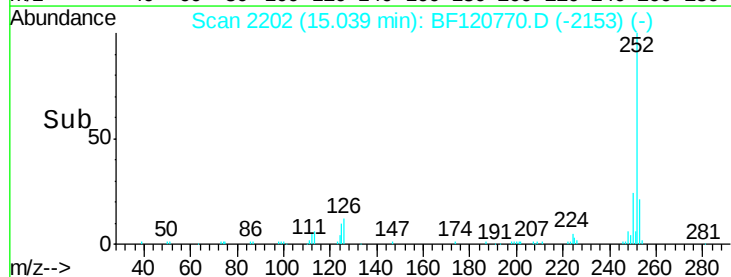
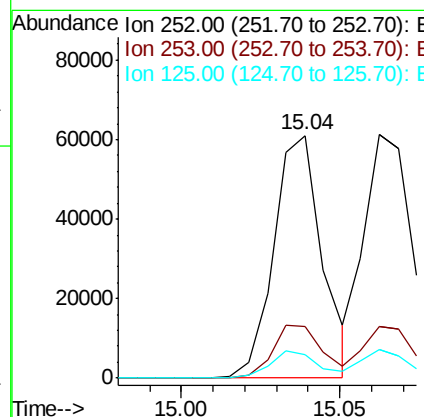
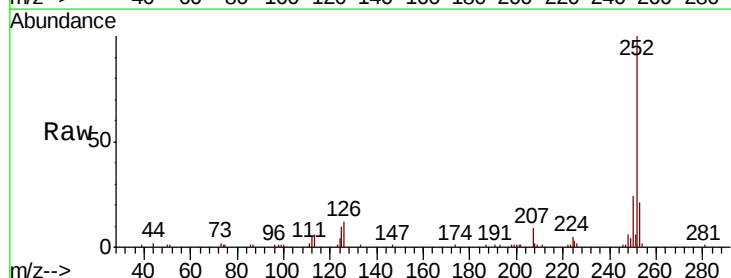
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

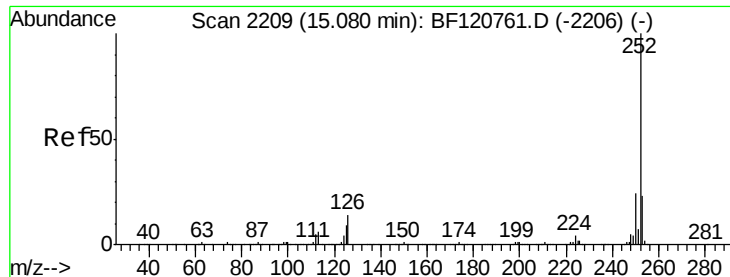
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 29.3  | 19.8  | 29.8  |
| 277     | 24.4  | 19.9  | 29.9  |



#88  
 Benzo(b)fluoranthene  
 Concen: 3.168 ng  
 RT: 15.04 min Scan# 2202  
 Delta R.T. -0.01 min  
 Lab File: BF120770.D  
 Acq: 6 Jul 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.3  | 18.0  | 27.0  |
| 125     | 9.8   | 7.5   | 11.3  |

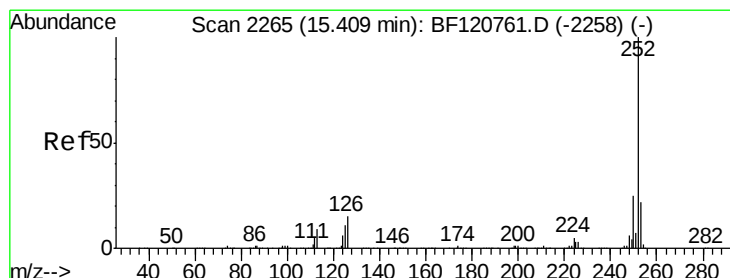
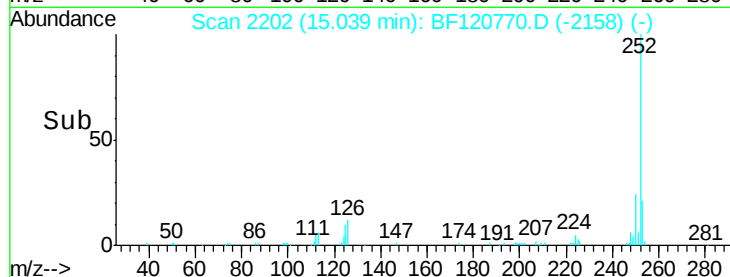
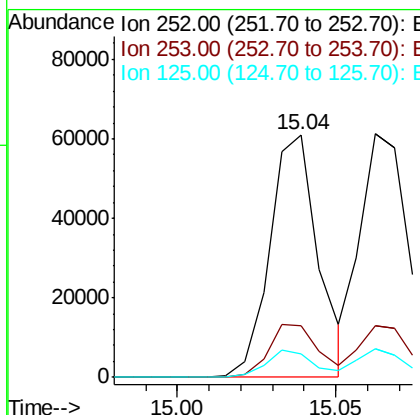
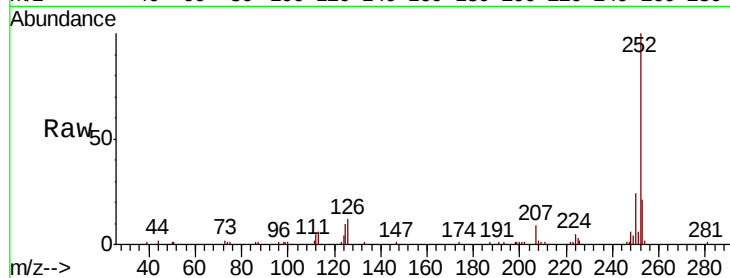




#89  
Benzo(k)fluoranthene  
Concen: 3.255 ng  
RT: 15.04 min Scan# 2202  
Delta R.T. -0.04 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

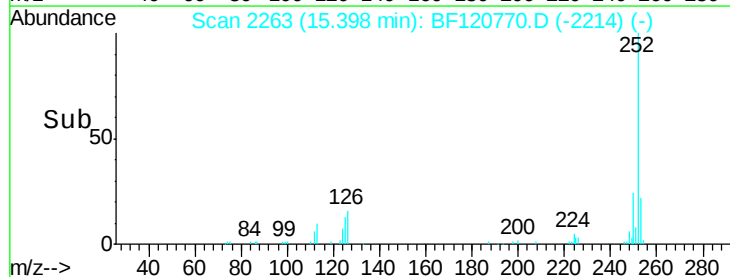
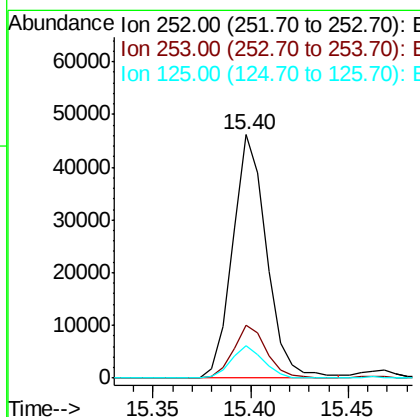
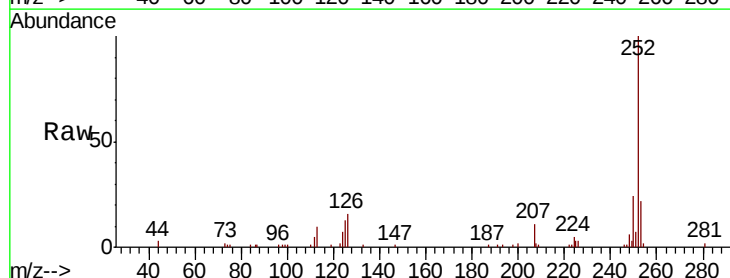
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

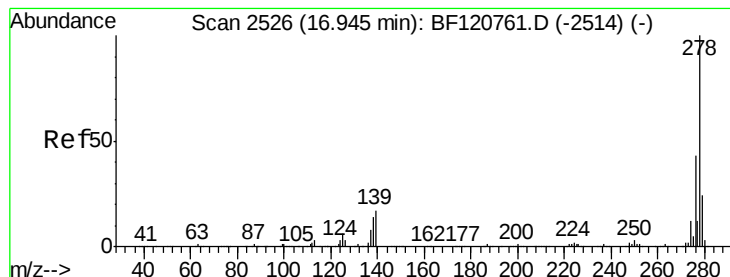
Tot Ion:252 Resp: 64851  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.9 26.9  
125 9.8 7.6 11.4



#90  
Benzo(a)pyrene  
Concen: 3.049 ng  
RT: 15.40 min Scan# 2263  
Delta R.T. -0.01 min  
Lab File: BF120770.D  
Acq: 6 Jul 2020 11:05

Tgt Ion:252 Resp: 55685  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.4 26.0  
125 13.3 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 2.980 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.02 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

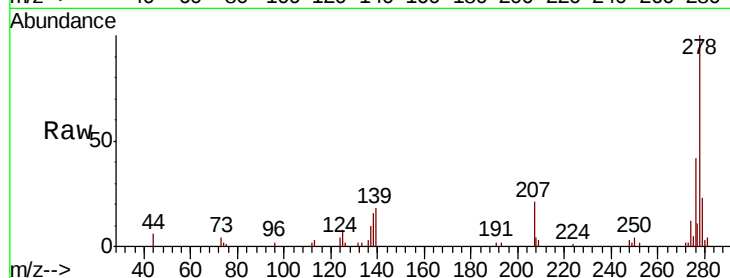
Tot Ion:278 Resp: 49603

Ion Ratio Lower Upper

278 100

139 17.7 13.3 19.9

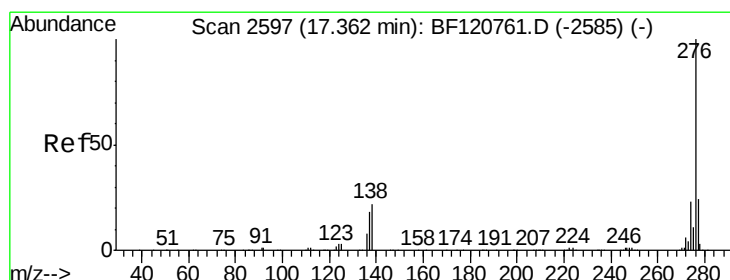
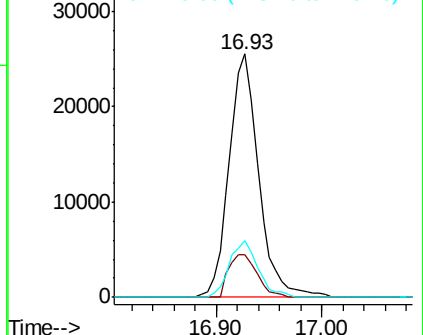
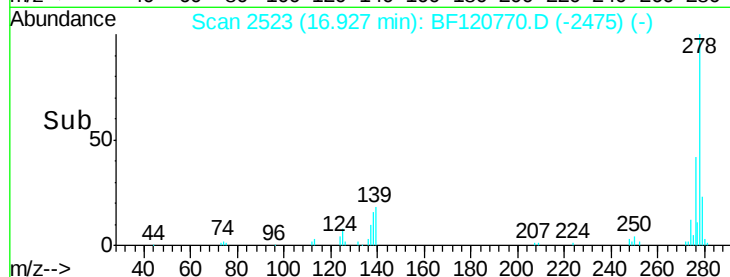
279 23.1 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.121 ng

RT: 17.33 min Scan# 2592

Delta R.T. -0.03 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

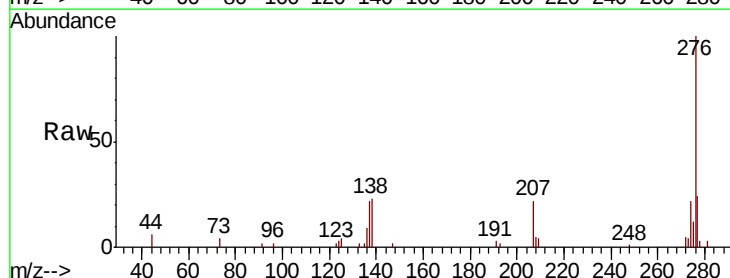
Tgt Ion:276 Resp: 47479

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 23.3 17.4 26.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

