

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061220\  
 Data File : BF120613.D  
 Acq On : 12 Jun 2020 16:16  
 Operator : JU/CG  
 Sample : L2182-01  
 Misc : LOD-MDL-SOIL-8PPM  
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jun 12 17:01:02 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 11 11:28:22 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 145277   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.08  | 136  | 547224   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.83  | 164  | 283846   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.32 | 188  | 543813   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.95 | 240  | 446372   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.39 | 264  | 505008   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.41  | 112 | 1228177 | 144.94 | ng | 0.00 |
| 7) Phenol-d6             | 6.43  | 99  | 1566176 | 148.40 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.36  | 82  | 970156  | 99.10  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.62 | 330 | 490378  | 148.59 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.16  | 172 | 1781909 | 96.05  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.90 | 244 | 2017888 | 99.86  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.46 | 88  | 29195  | 7.269 | ng | 98     |
| 3) Pyridine                    | 3.27 | 79  | 62977  | 5.578 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.14 | 42  | 34516  | 7.367 | ng | 94     |
| 6) Aniline                     | 6.46 | 93  | 113460 | 8.400 | ng | 99     |
| 8) 2-Chlorophenol              | 6.58 | 128 | 74151  | 7.744 | ng | 92     |
| 9) Benzaldehyde                | 6.35 | 77  | 62994  | 9.437 | ng | 97     |
| 10) Phenol                     | 6.45 | 94  | 94265  | 8.371 | ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 6.53 | 93  | 72946  | 7.777 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.74 | 146 | 79838  | 7.843 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.82 | 146 | 81678  | 8.132 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.97 | 146 | 75659  | 7.733 | ng | 98     |
| 15) Benzyl Alcohol             | 6.93 | 79  | 70183  | 9.377 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45  | 106543 | 7.889 | ng | 99     |
| 17) 2-Methylphenol             | 7.05 | 107 | 58862  | 7.207 | ng | 99     |
| 18) Hexachloroethane           | 7.31 | 117 | 29185  | 7.886 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70  | 51746  | 8.453 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.20 | 107 | 76217  | 7.468 | ng | # 69   |
| 22) Acetophenone               | 7.20 | 105 | 108637 | 8.880 | ng | 96     |
| 24) Nitrobenzene               | 7.37 | 77  | 82293  | 8.033 | ng | 89     |
| 25) Isophorone                 | 7.61 | 82  | 142596 | 7.477 | ng | # 93   |
| 26) 2-Nitrophenol              | 7.69 | 139 | 36008  | 6.644 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 7.73 | 122 | 55147  | 6.910 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93  | 90595  | 8.195 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.93 | 162 | 60274  | 7.430 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 8.02 | 180 | 69685  | 7.752 | ng | 98     |
| 31) Naphthalene                | 8.10 | 128 | 232054 | 8.636 | ng | 99     |
| 32) Benzoic acid               | 7.80 | 122 | 18766  | 3.065 | ng | 96     |
| 33) 4-Chloroaniline            | 8.15 | 127 | 92539  | 7.503 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.22 | 225 | 40358  | 7.702 | ng | 98     |
| 35) Caprolactam                | 8.48 | 113 | 20383  | 7.856 | ng | # 82   |
| 36) 4-Chloro-3-methylphenol    | 8.63 | 107 | 63029  | 7.777 | ng | 96     |
| 37) 2-Methylnaphthalene        | 8.79 | 142 | 150992 | 8.608 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.89 | 142 | 144110 | 8.731 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 72480  | 8.552 | ng | 99     |

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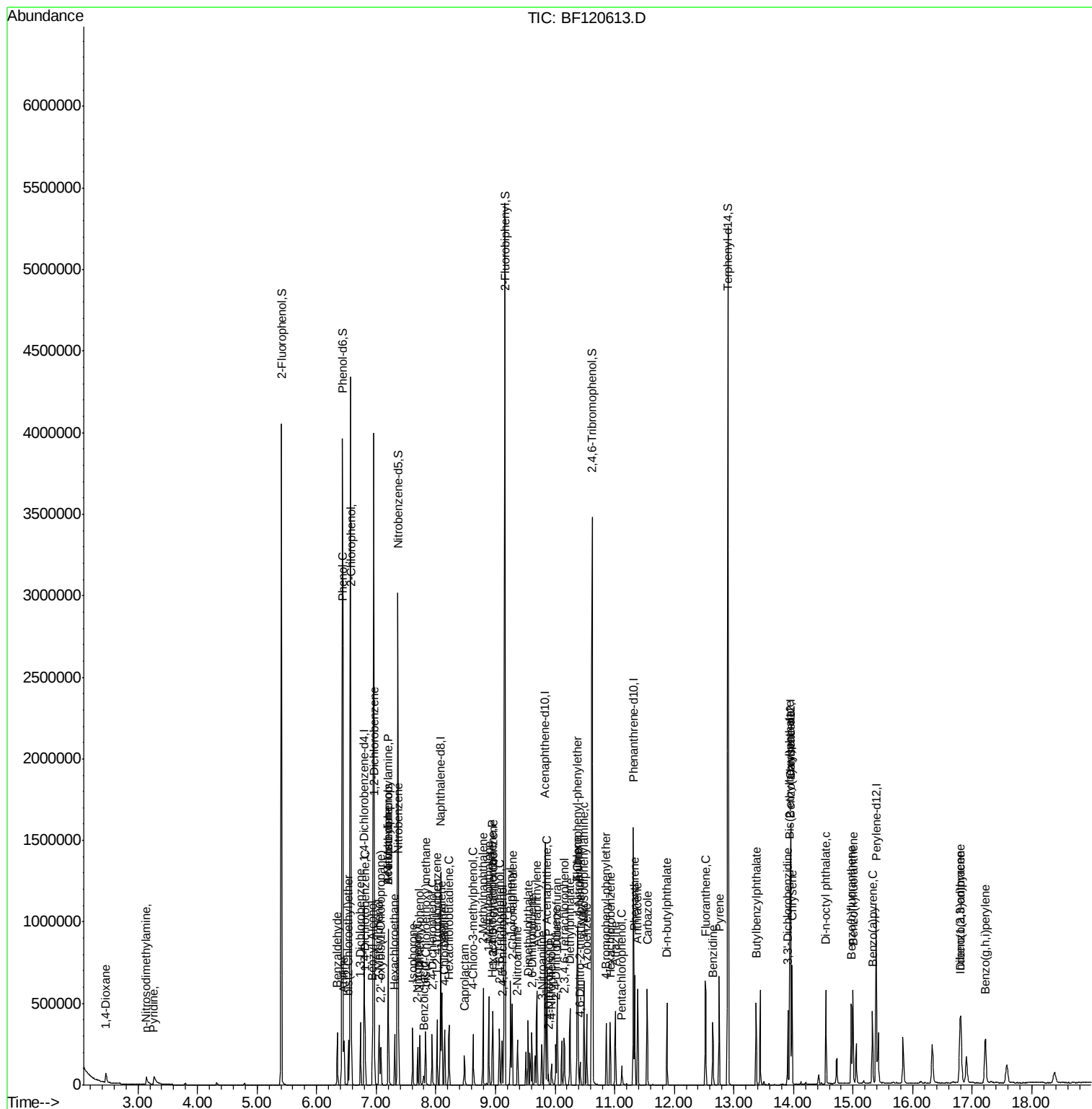
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.95  | 237  | 27190    | 5.725 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.07  | 196  | 42746    | 7.110 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 9.11  | 196  | 45415    | 6.658 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 9.25  | 154  | 193298   | 9.120 | ng    | 96       |
| 47) 2-Chloronaphthalene        | 9.28  | 162  | 139510   | 8.049 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.37  | 65   | 39337    | 7.227 | ng    | 92       |
| 49) Acenaphthylene             | 9.69  | 152  | 224253   | 8.384 | ng    | 98       |
| 50) Dimethylphthalate          | 9.55  | 163  | 161784   | 7.914 | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 9.61  | 165  | 32498    | 7.015 | ng    | 95       |
| 52) Acenaphthene               | 9.86  | 154  | 137120   | 8.595 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.78  | 138  | 36698    | 6.595 | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 9.89  | 184  | 9019     | 3.631 | ng    | # 84     |
| 55) Dibenzofuran               | 10.03 | 168  | 206218   | 8.430 | ng    | 98       |
| 56) 4-Nitrophenol              | 9.94  | 139  | 24945    | 5.952 | ng    | 94       |
| 57) 2,4-Dinitrotoluene         | 10.02 | 165  | 42646    | 6.937 | ng    | 98       |
| 58) Fluorene                   | 10.37 | 166  | 155288   | 8.235 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.15 | 232  | 37036    | 6.902 | ng    | 97       |
| 60) Diethylphthalate           | 10.25 | 149  | 158922   | 7.893 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204  | 79648    | 8.179 | ng    | 99       |
| 62) 4-Nitroaniline             | 10.39 | 138  | 37867    | 6.855 | ng    | 100      |
| 63) Azobenzene                 | 10.53 | 77   | 154853   | 8.473 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 10.42 | 198  | 16923    | 5.186 | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 10.49 | 169  | 137722   | 8.247 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether  | 10.86 | 248  | 47822    | 7.748 | ng    | 98       |
| 68) Hexachlorobenzene          | 10.93 | 284  | 52732    | 7.947 | ng    | 97       |
| 69) Atrazine                   | 11.01 | 200  | 44755    | 8.660 | ng    | 96       |
| 70) Pentachlorophenol          | 11.12 | 266  | 18207    | 4.935 | ng    | 95       |
| 71) Phenanthrene               | 11.34 | 178  | 230459   | 8.525 | ng    | 99       |
| 72) Anthracene                 | 11.39 | 178  | 233252   | 8.560 | ng    | 99       |
| 73) Carbazole                  | 11.55 | 167  | 215567   | 7.992 | ng    | 98       |
| 74) Di-n-butylphthalate        | 11.87 | 149  | 253296   | 8.353 | ng    | 99       |
| 75) Fluoranthene               | 12.52 | 202  | 254917   | 8.248 | ng    | 99       |
| 77) Benzidine                  | 12.64 | 184  | 133718   | 8.858 | ng    | 96       |
| 78) Pyrene                     | 12.75 | 202  | 262198   | 8.292 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.37 | 149  | 101872   | 7.255 | ng    | 97       |
| 81) Benzo(a)anthracene         | 13.94 | 228  | 237131   | 8.842 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.90 | 252  | 95623    | 9.335 | ng    | 98       |
| 83) Chrysene                   | 13.97 | 228  | 232662   | 8.458 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.93 | 149  | 147540   | 8.610 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.54 | 149  | 253805   | 7.761 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene     | 16.79 | 276  | 259407   | 8.445 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 14.97 | 252  | 231655   | 7.701 | ng    | 96       |
| 89) Benzo(k)fluoranthene       | 15.00 | 252  | 224410   | 8.431 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.32 | 252  | 204242   | 7.586 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.81 | 278  | 220322   | 8.944 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.22 | 276  | 219880   | 8.856 | ng    | 99       |

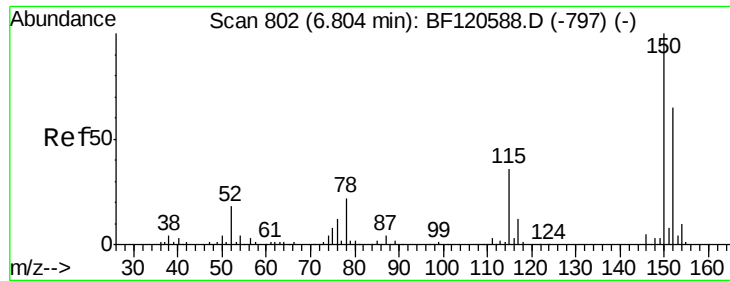
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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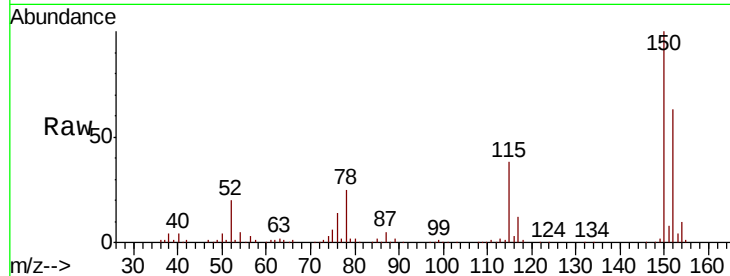


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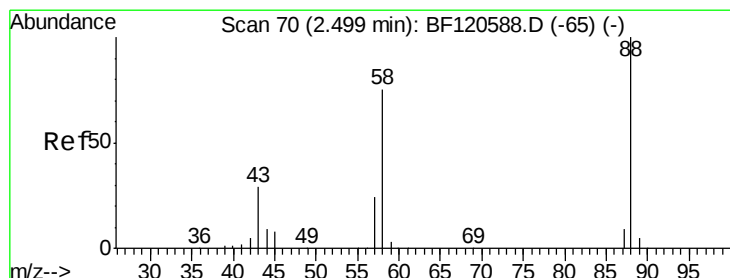
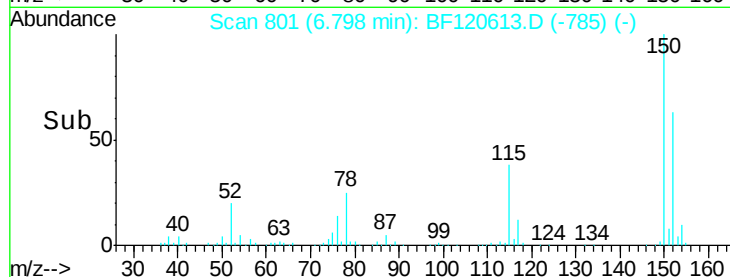
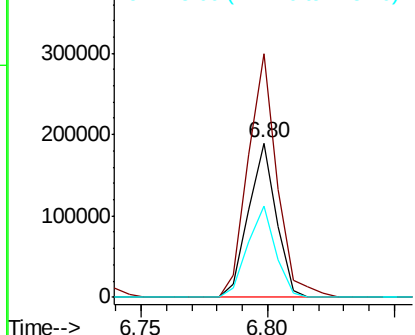
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

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

Tot Ion:152 Resp: 145277  
Ion Ratio Lower Upper  
152 100  
150 157.9 123.2 184.8  
115 59.4 43.9 65.9



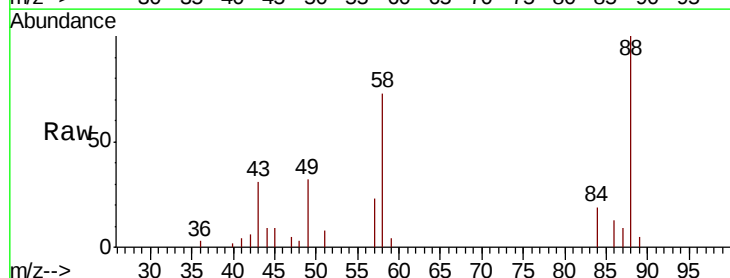
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



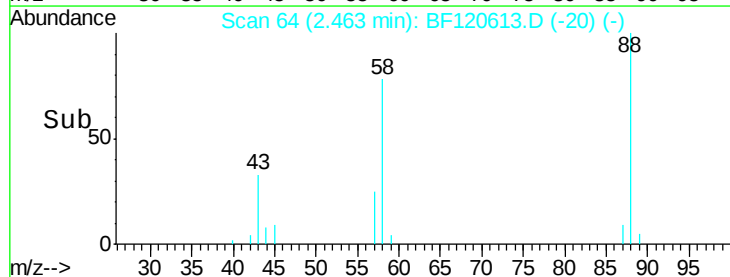
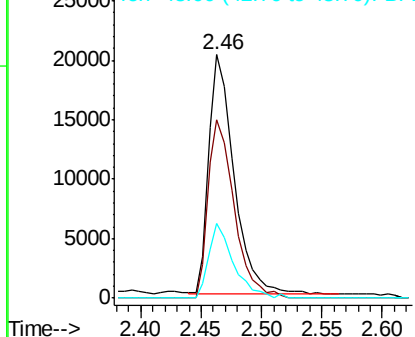
#2

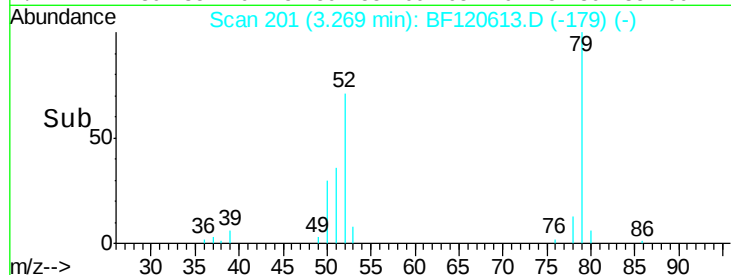
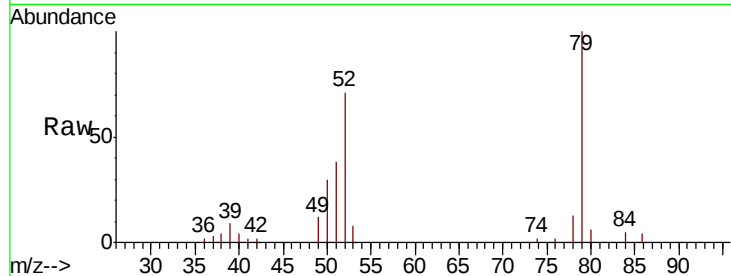
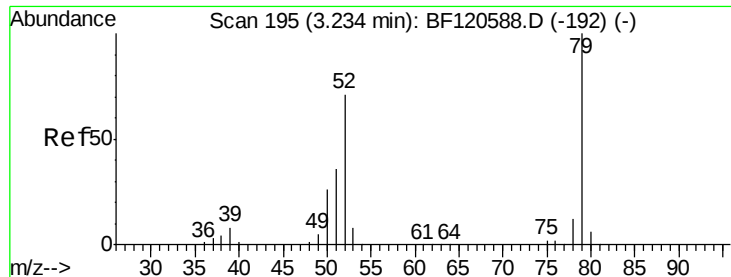
1,4-Dioxane  
Concen: 7.269 ng  
RT: 2.46 min Scan# 64  
Delta R.T. -0.04 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

Tgt Ion: 88 Resp: 29195  
Ion Ratio Lower Upper  
88 100  
58 76.3 59.6 89.4  
43 30.5 23.1 34.7



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

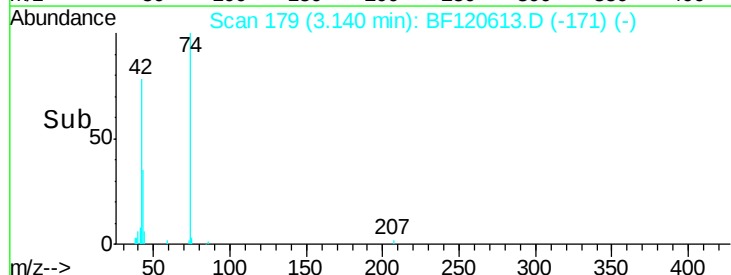
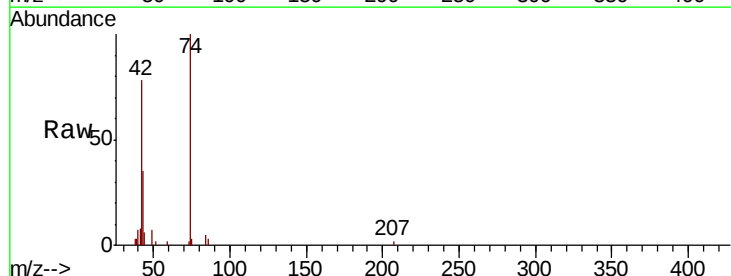
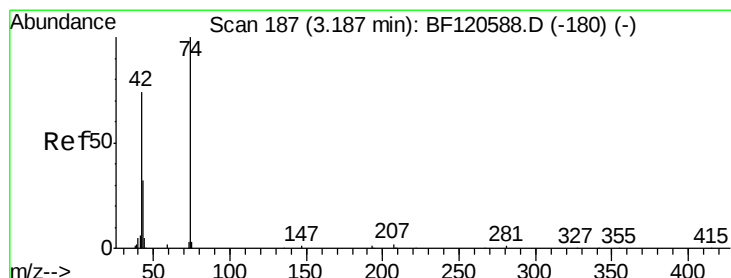
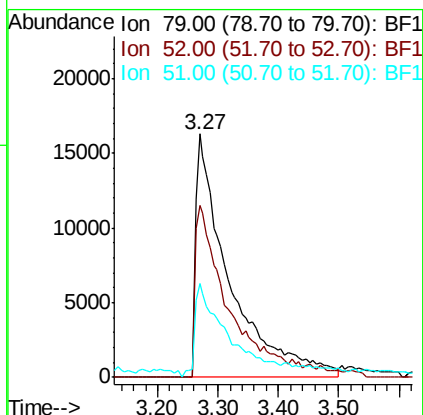




#3  
Pvridine  
Concen: 5.578 ng  
RT: 3.27 min Scan# 201  
Delta R.T. 0.03 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

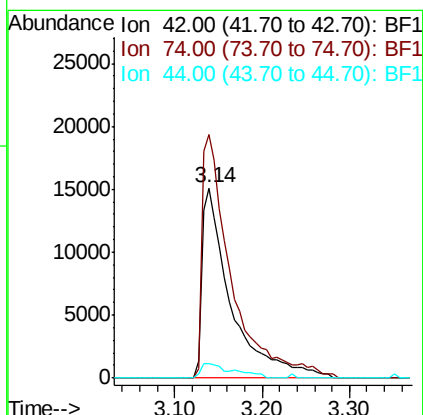
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

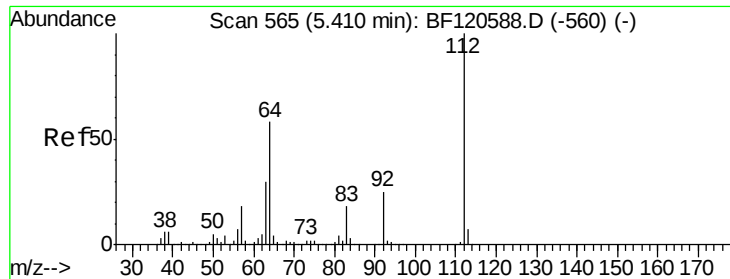
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 70.7  | 57.0  | 85.6  |
| 51      | 38.4  | 28.5  | 42.7  |



#4  
n-Nitrosodimethylamine  
Concen: 7.367 ng  
RT: 3.14 min Scan# 179  
Delta R.T. -0.05 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 127.9 | 107.8 | 161.6 |
| 44      | 7.6   | 5.1   | 7.7   |





#5

2-Fluorophenol

Concen: 144.940 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

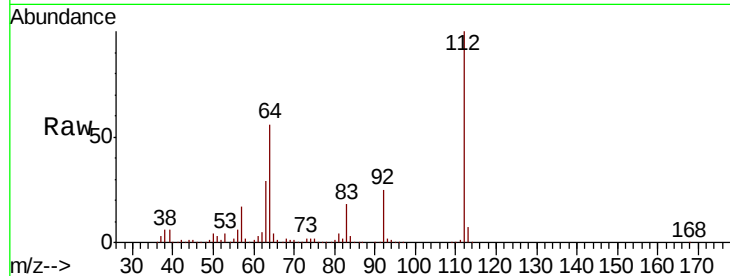
Tot Ion:112 Resp: 1228177

Ion Ratio Lower Upper

112 100

64 55.6 46.1 69.1

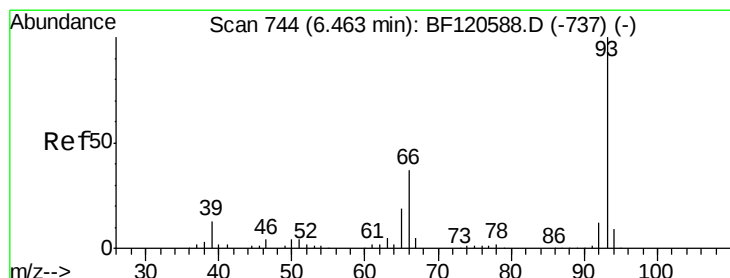
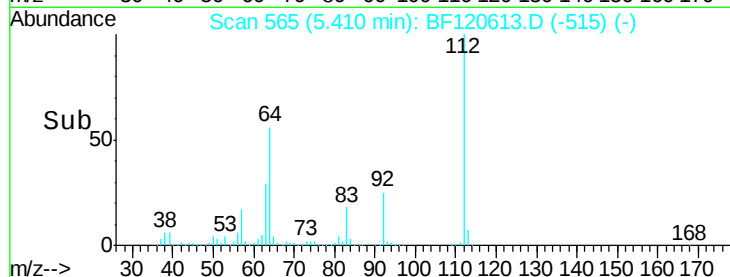
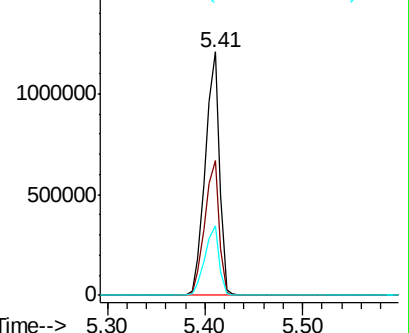
63 28.6 23.7 35.5



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: 8.400 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

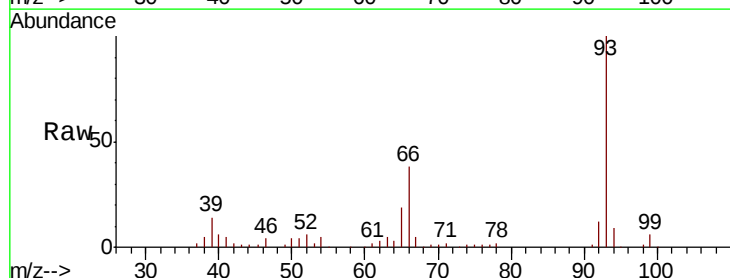
Tgt Ion: 93 Resp: 113460

Ion Ratio Lower Upper

93 100

66 38.1 30.9 46.3

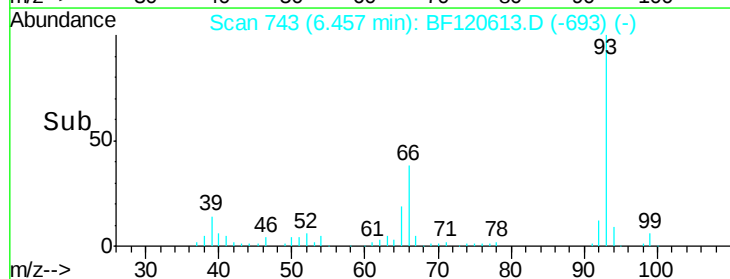
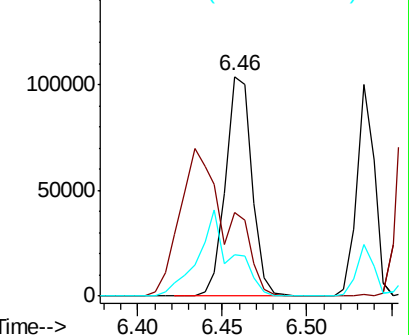
65 19.1 15.9 23.9

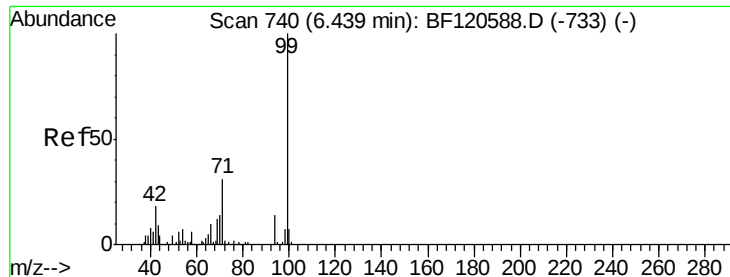


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 148.397 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

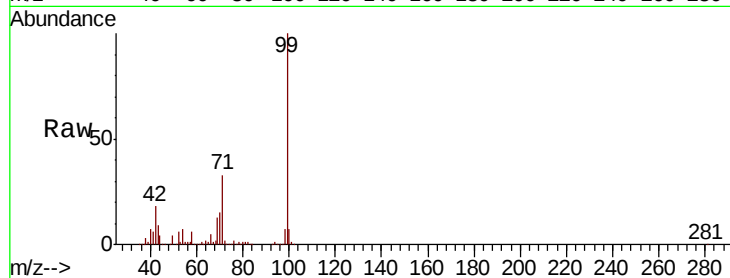
Tot Ion: 99 Resp: 1566176

Ion Ratio Lower Upper

99 100

42 18.2 14.0 21.0

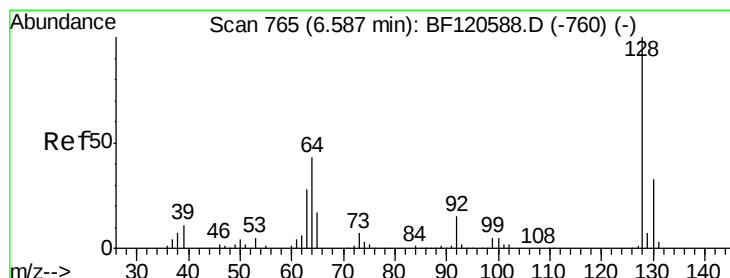
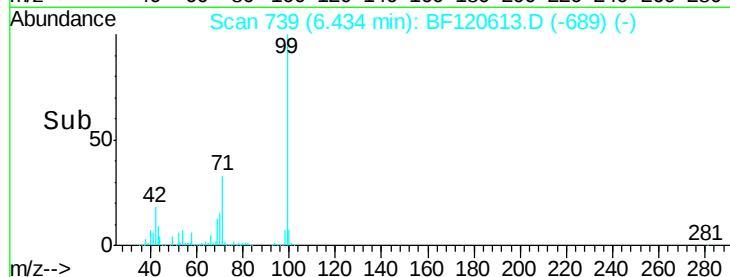
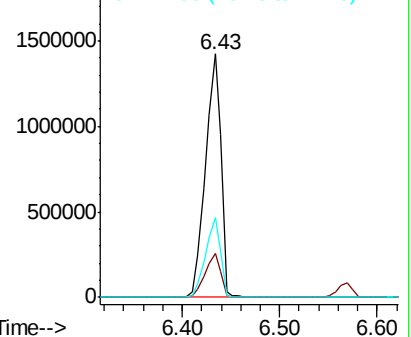
71 32.7 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 7.744 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

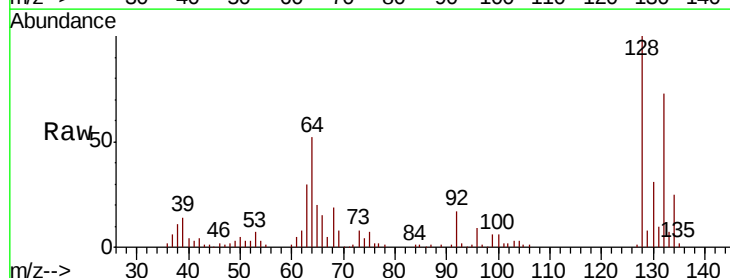
Tgt Ion:128 Resp: 74151

Ion Ratio Lower Upper

128 100

130 30.8 12.6 52.6

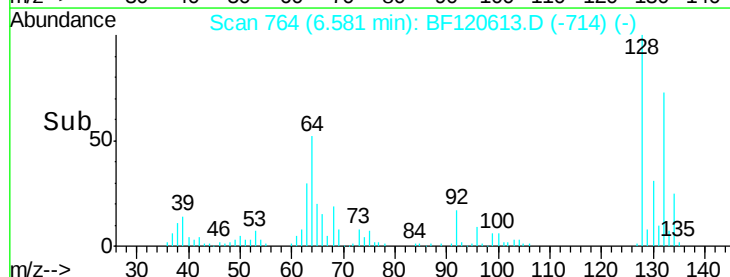
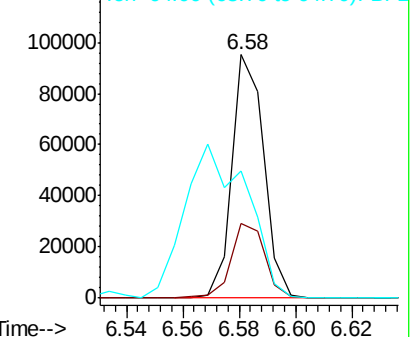
64 52.1 24.3 64.3

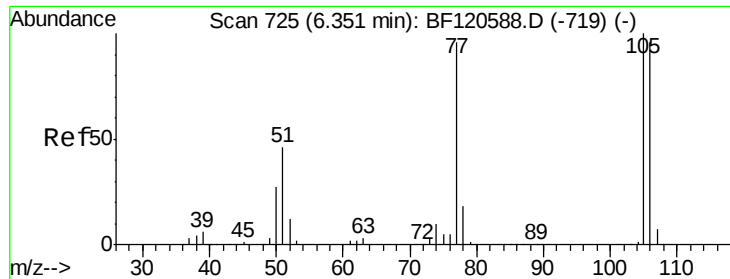


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

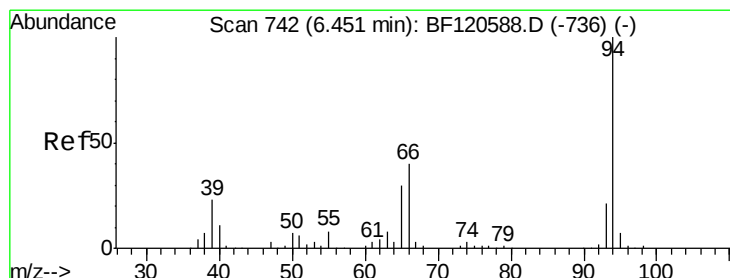
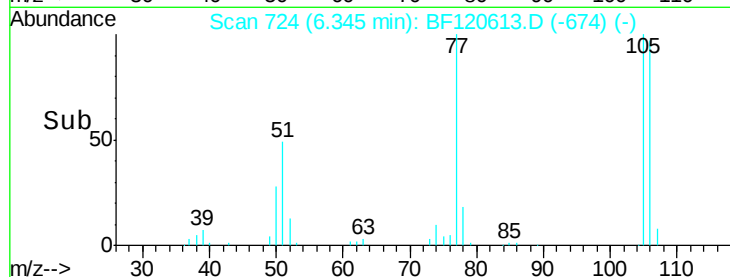
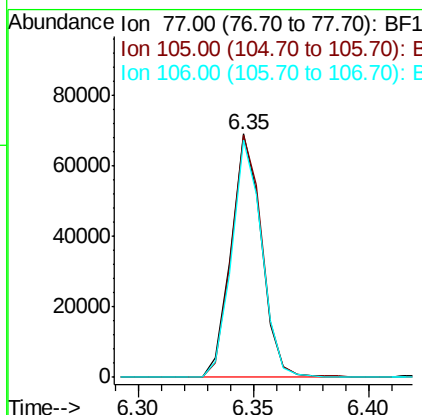
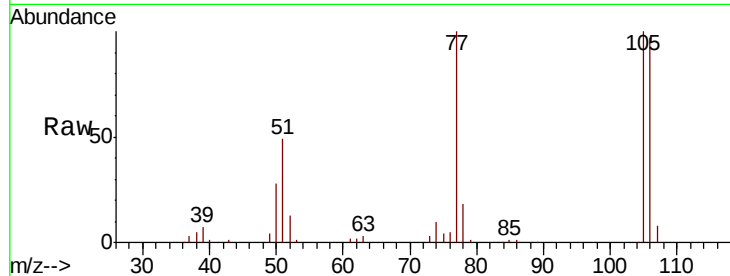




#9  
Benzaldehyde  
Concen: 9.437 ng  
RT: 6.35 min Scan# 724  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

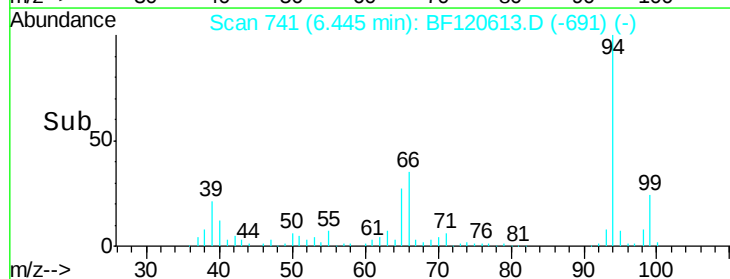
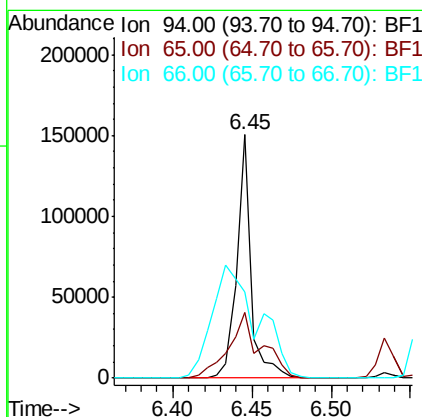
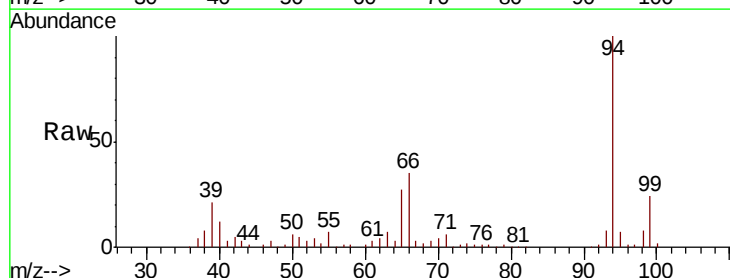
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

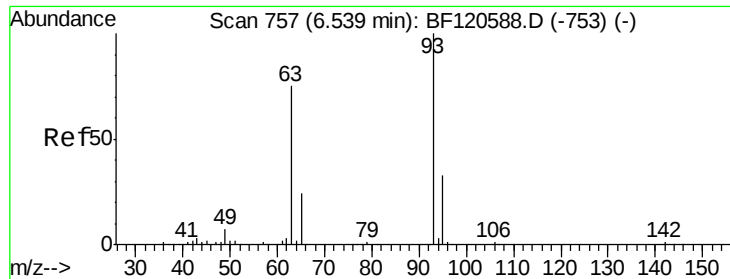
Tot Ion: 77 Resp: 62994  
Ion Ratio Lower Upper  
77 100  
105 99.7 83.8 123.8  
106 97.4 79.3 119.3



#10  
Phenol  
Concen: 8.371 ng  
RT: 6.45 min Scan# 741  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

Tgt Ion: 94 Resp: 94265  
Ion Ratio Lower Upper  
94 100  
65 27.0 9.9 49.9  
66 35.1 20.1 60.1





#11

bis(2-Chloroethyl)ether

Concen: 7.777 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

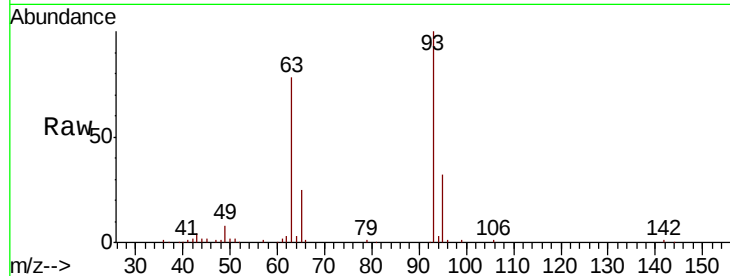
Tot Ion: 93 Resp: 72946

Ion Ratio Lower Upper

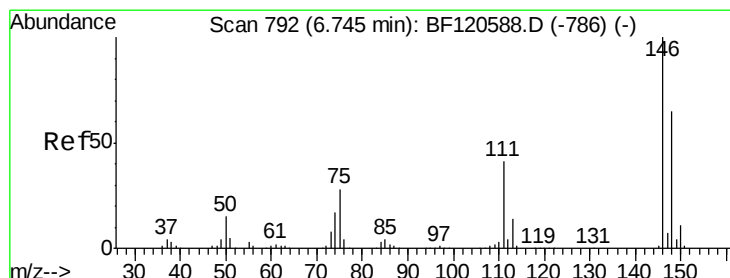
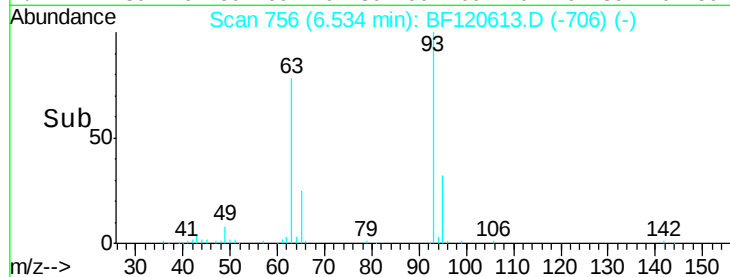
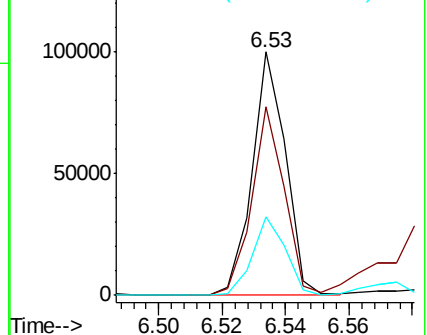
93 100

63 77.6 54.4 94.4

95 32.1 12.9 52.9



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 7.843 ng

RT: 6.74 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

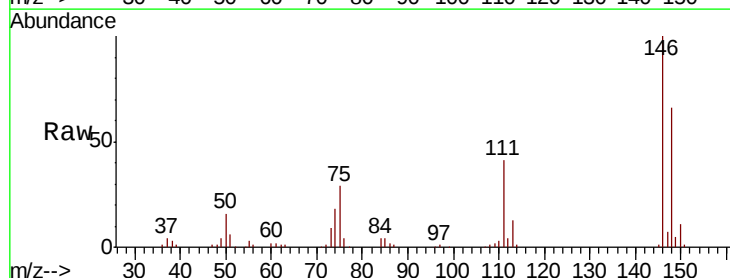
Tgt Ion: 146 Resp: 79838

Ion Ratio Lower Upper

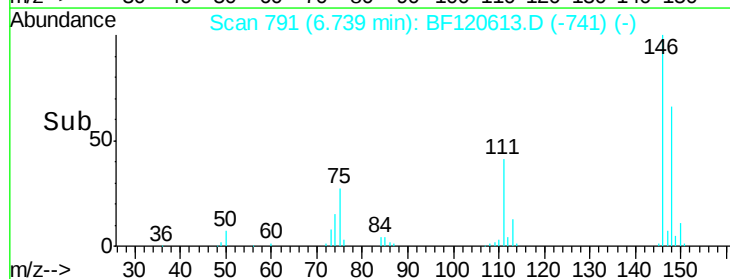
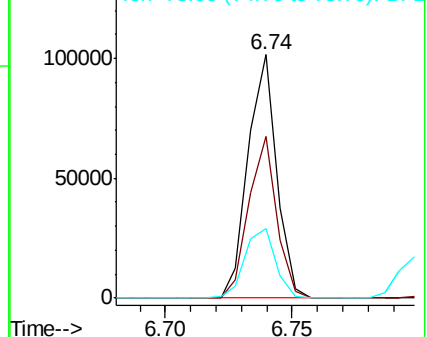
146 100

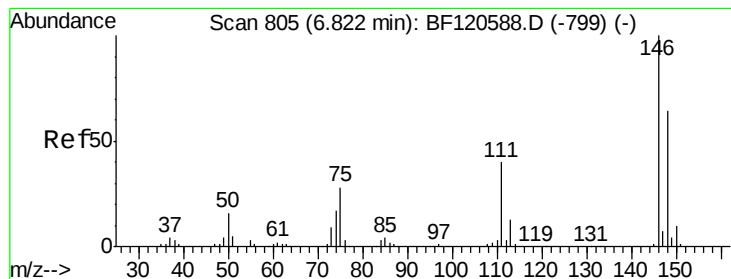
148 66.2 51.8 77.6

75 28.6 22.2 33.4



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 8.132 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

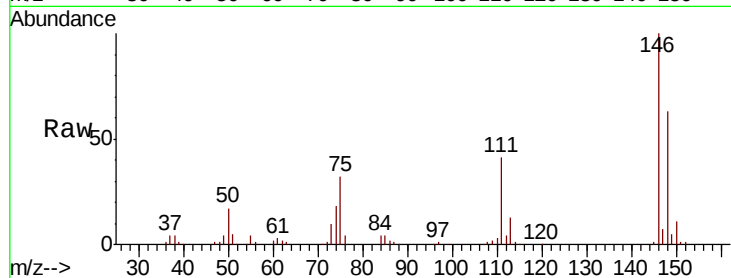
Tot Ion:146 Resp: 81678

Ion Ratio Lower Upper

146 100

148 63.0 51.5 77.3

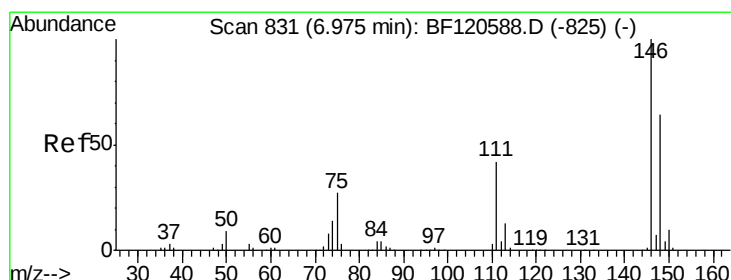
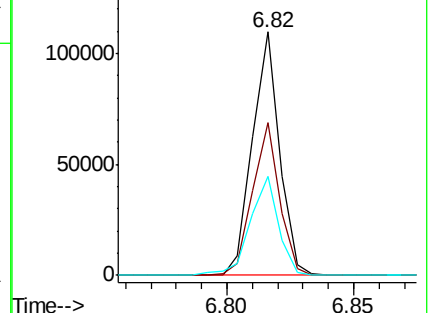
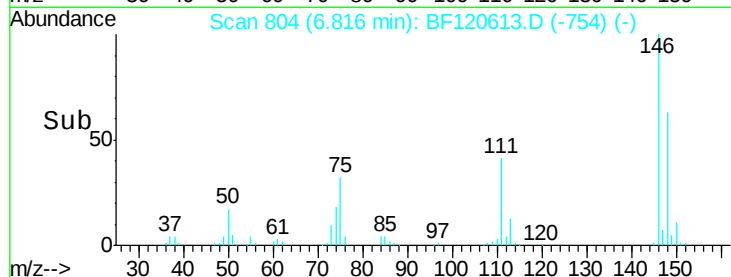
111 40.7 32.2 48.4



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: 7.733 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

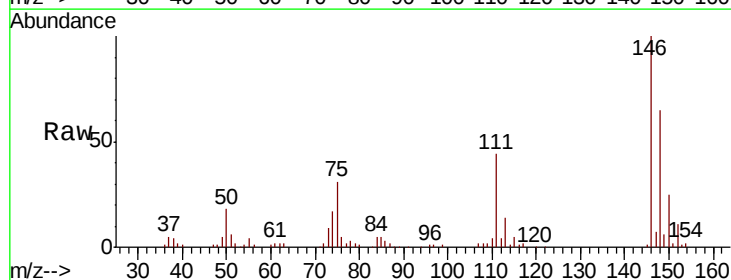
Tgt Ion:146 Resp: 75659

Ion Ratio Lower Upper

146 100

148 64.9 50.8 76.2

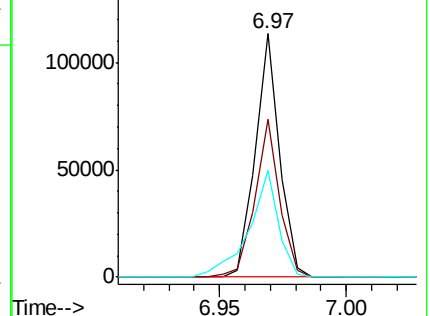
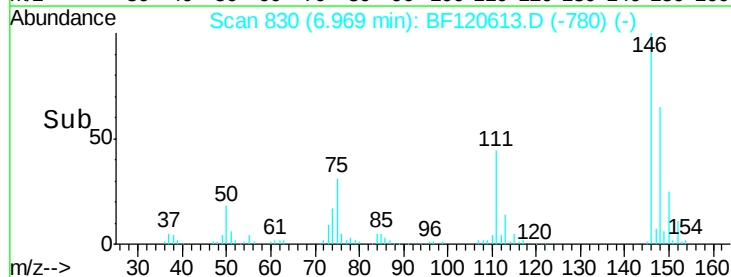
111 43.6 33.6 50.4



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: 9.377 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

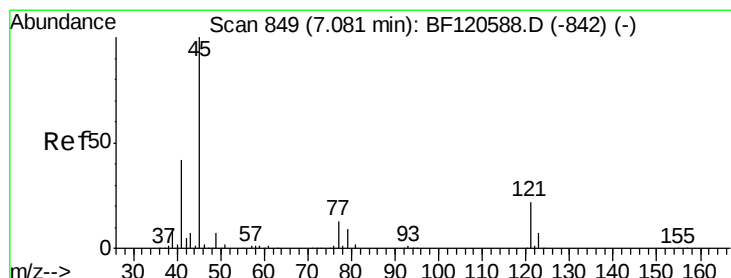
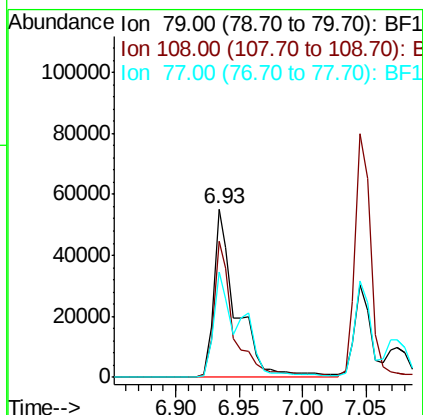
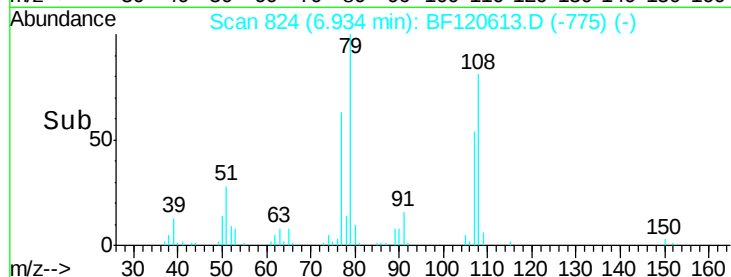
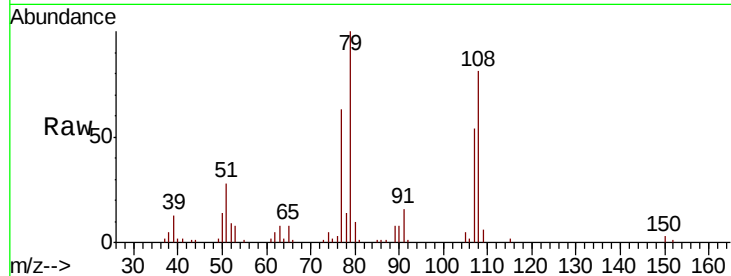
Tot Ion: 79 Resp: 70183

Ion Ratio Lower Upper

79 100

108 80.8 66.8 100.2

77 62.9 50.6 76.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 7.889 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

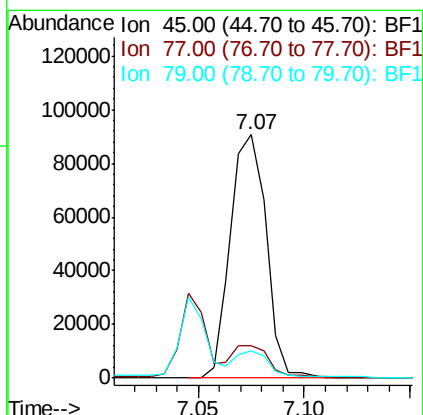
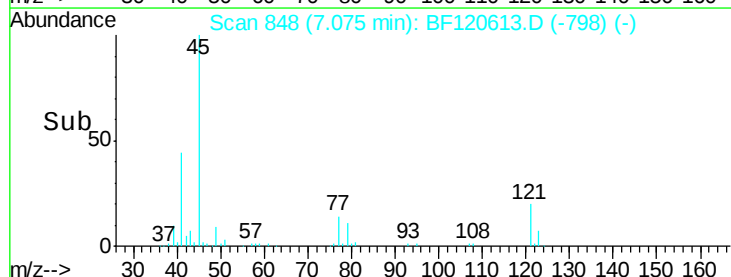
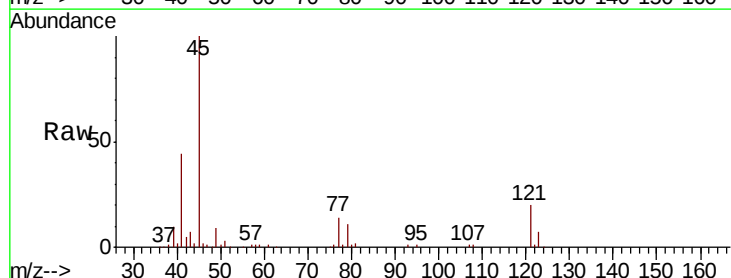
Tgt Ion: 45 Resp: 106543

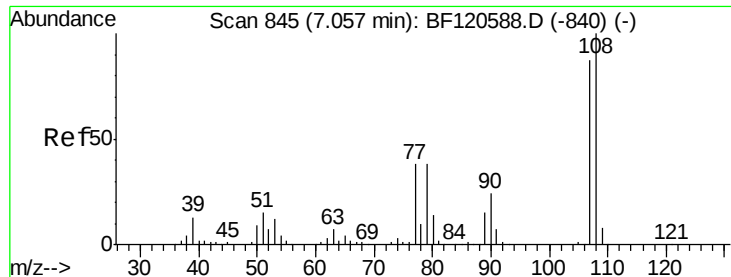
Ion Ratio Lower Upper

45 100

77 13.5 0.0 34.2

79 11.0 0.0 30.9

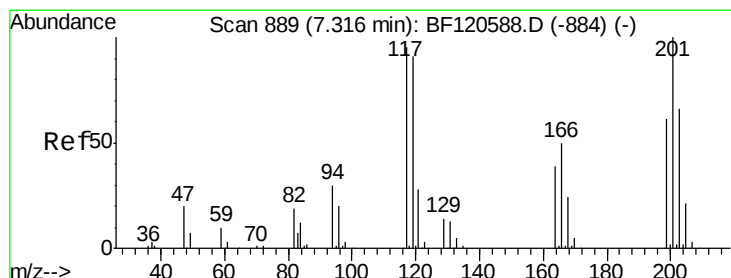
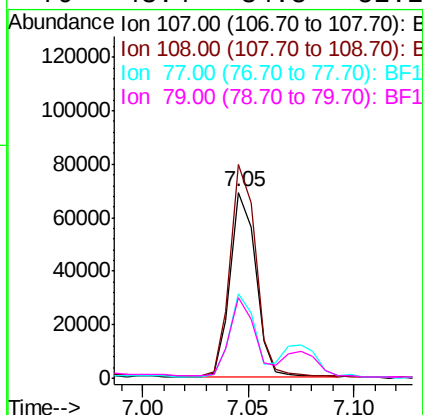
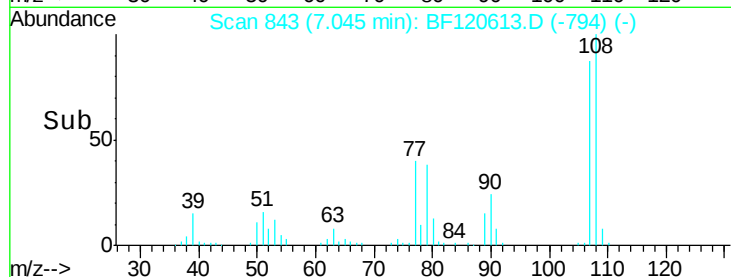
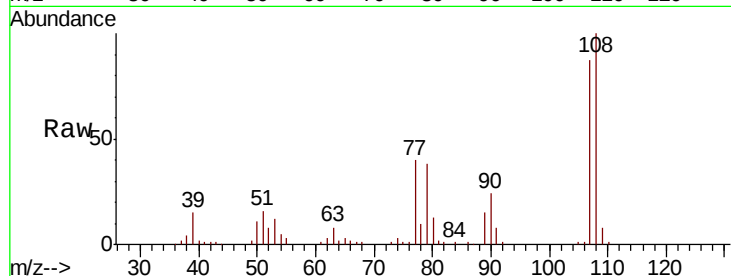




#17  
2-Methylphenol  
Concen: 7.207 ng  
RT: 7.05 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

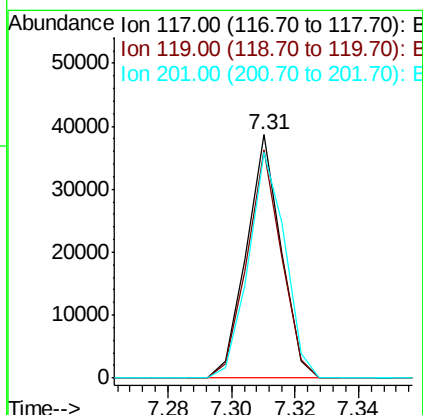
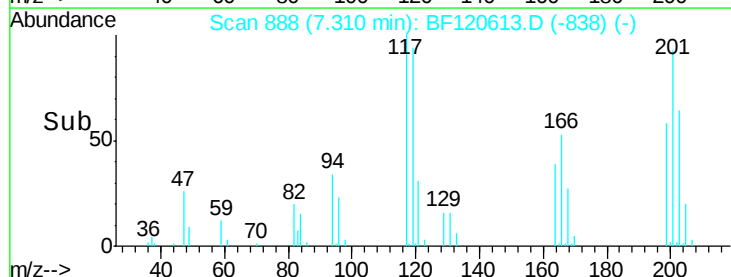
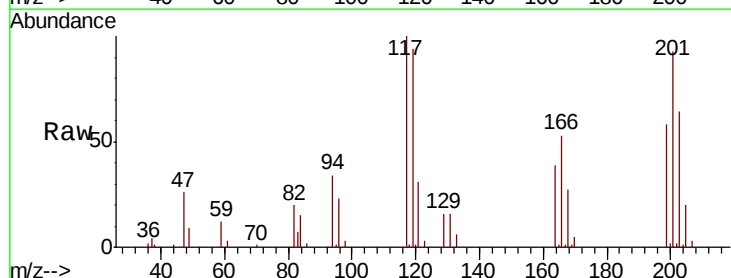
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

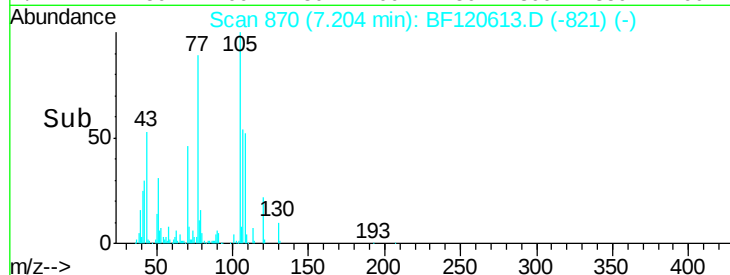
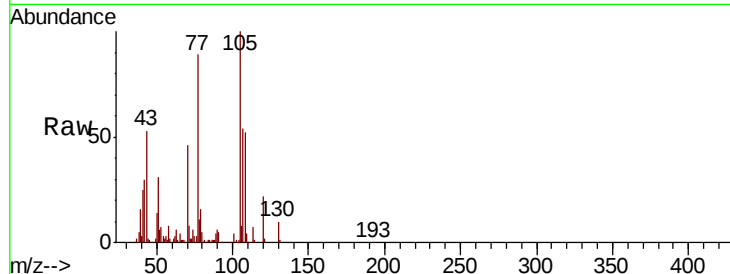
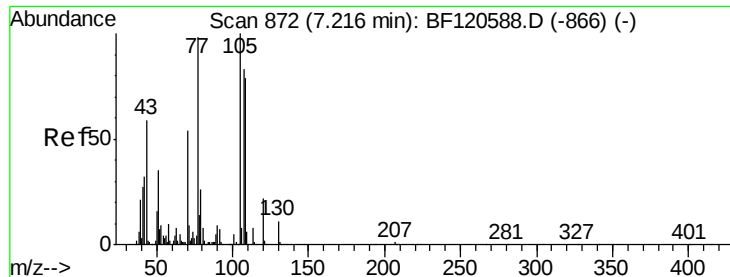
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 58862 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 114.7 | 91.9  | 137.9 |
| 77       | 45.6  | 35.4  | 53.2  |
| 79       | 43.4  | 34.8  | 52.2  |



#18  
Hexachloroethane  
Concen: 7.886 ng  
RT: 7.31 min Scan# 888  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 29185 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 93.8  | 76.9  | 115.3 |
| 201      | 92.9  | 84.6  | 127.0 |

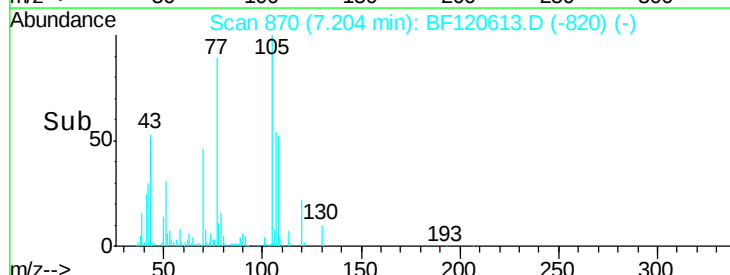
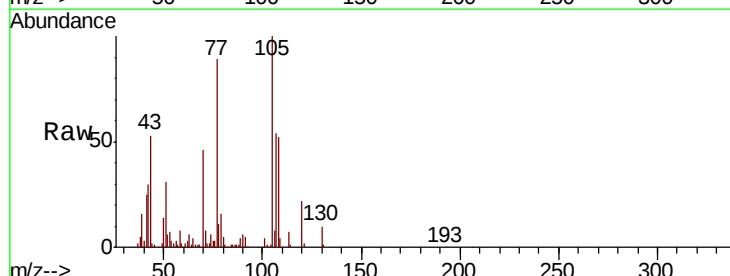
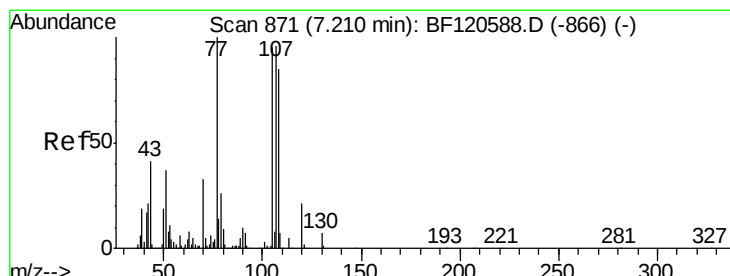
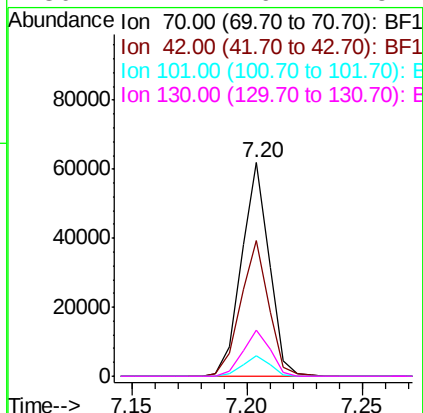




#19  
n-Nitroso-di-n-propylamine  
Concen: 8.453 ng  
RT: 7.20 min Scan# 870  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

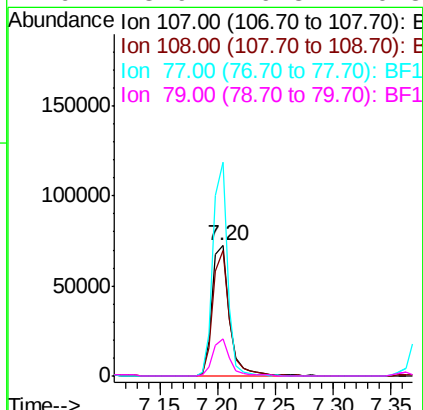
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 70 Resp: 51746  
Ion Ratio Lower Upper  
70 100  
42 63.6 47.7 71.5  
101 9.4 7.6 11.4  
130 21.4 16.7 25.1



#20  
3+4-Methylphenols  
Concen: 7.468 ng  
RT: 7.20 min Scan# 870  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

Tgt Ion: 107 Resp: 76217  
Ion Ratio Lower Upper  
107 100  
108 96.3 68.7 108.7  
77 164.0 84.2 124.2#  
79 28.9 6.8 46.8

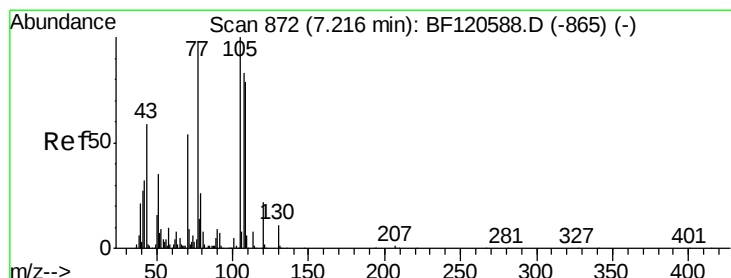
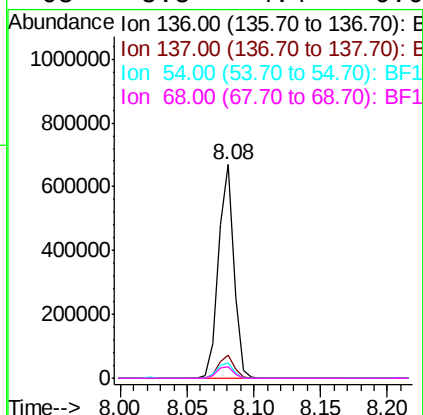
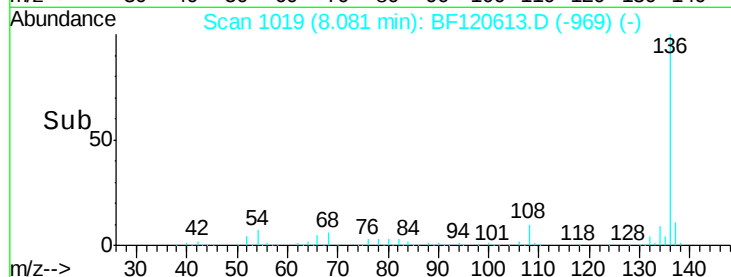
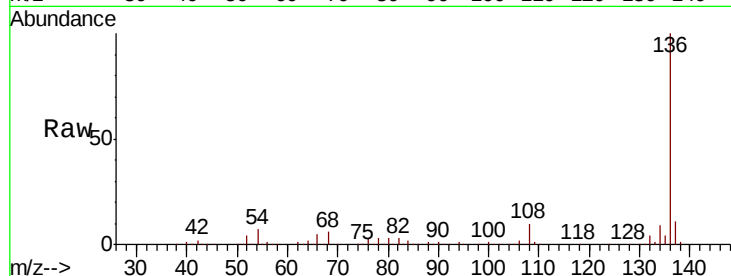




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.08 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

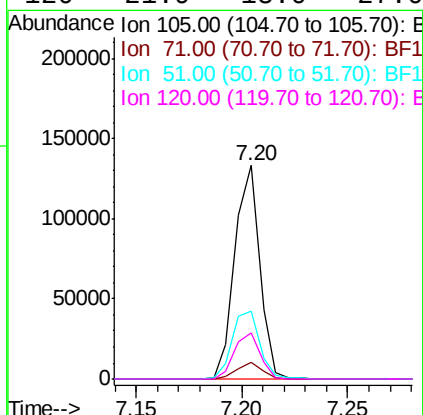
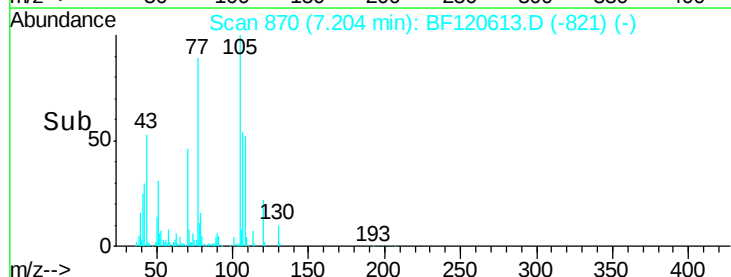
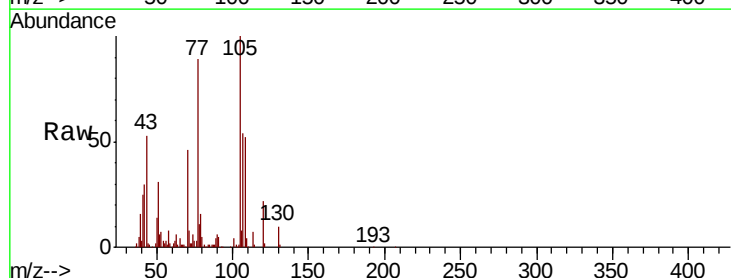
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

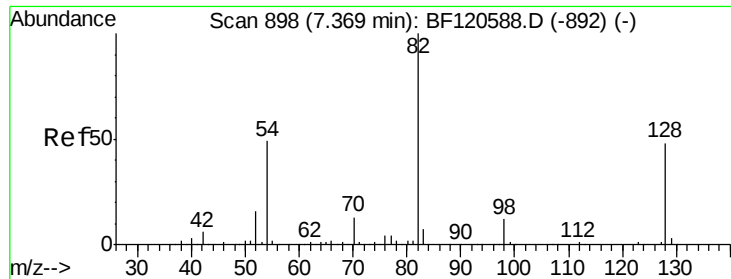
|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 547224 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 11.0    | 8.6   | 13.0   |  |
| 54 7.4      | 5.8   | 8.6    |  |
| 68 5.5      | 4.4   | 6.6    |  |



#22  
Acetophenone  
Concen: 8.880 ng  
RT: 7.20 min Scan# 870  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 108637 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 7.6     | 7.2   | 10.8   |
| 51  | 31.5    | 27.8  | 41.8   |
| 120 | 21.9    | 18.0  | 27.0   |

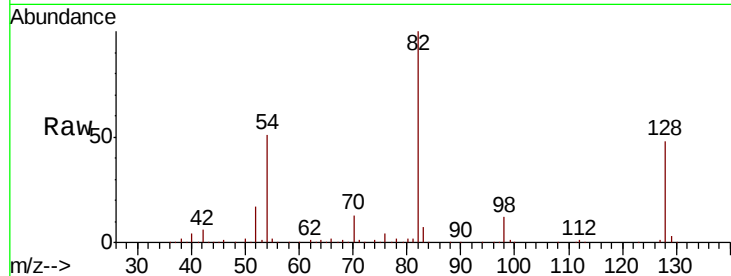




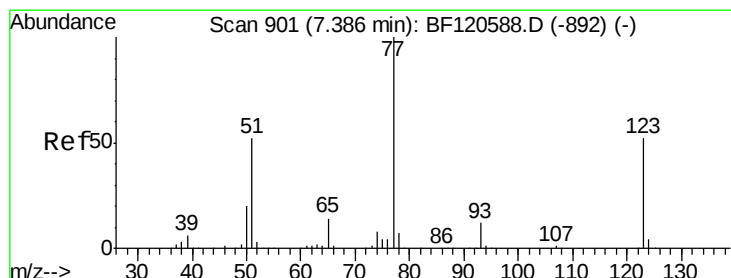
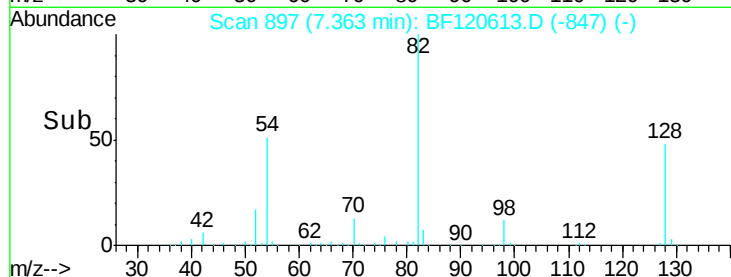
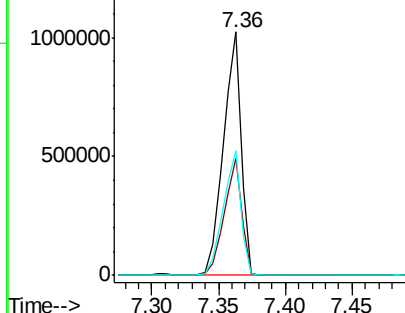
#23  
Nitrobenzene-d5  
Concen: 99.097 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 48.1  | 38.0  | 57.0  |
| 54      | 51.0  | 38.8  | 58.2  |

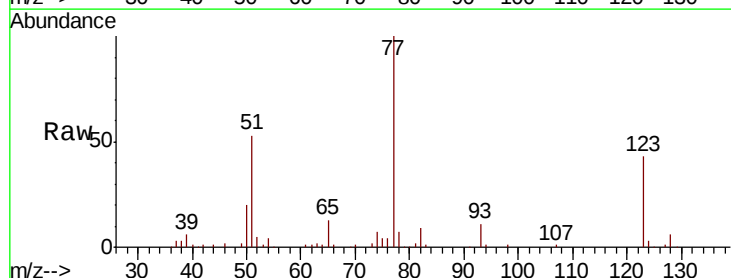


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

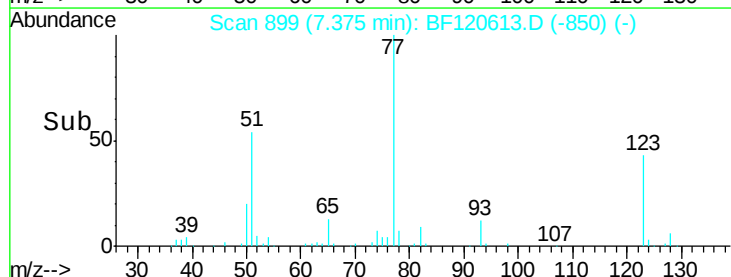
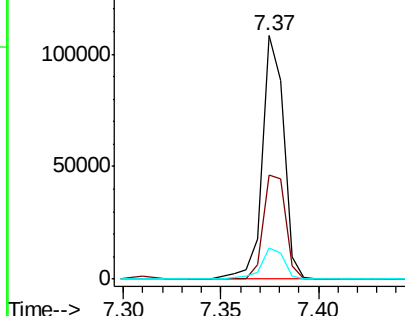


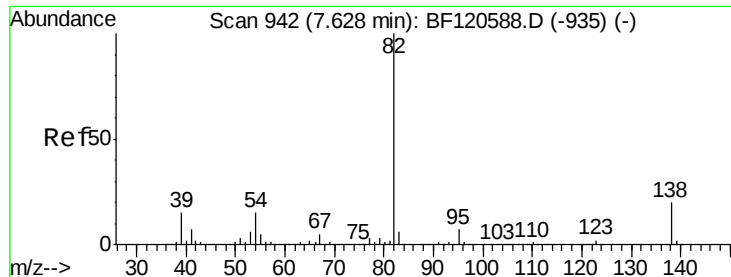
#24  
Nitrobenzene  
Concen: 8.033 ng  
RT: 7.37 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 42.8  | 41.4  | 62.0  |
| 65      | 12.5  | 11.0  | 16.4  |



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 123.00 (122.70 to 123.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 7.477 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.02 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

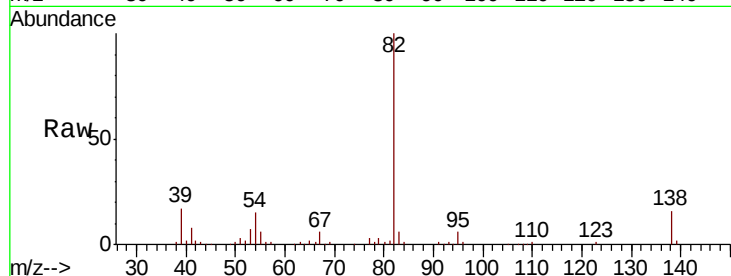
Tot Ion: 82 Resp: 142596

Ion Ratio Lower Upper

82 100

95 6.5 5.7 8.5

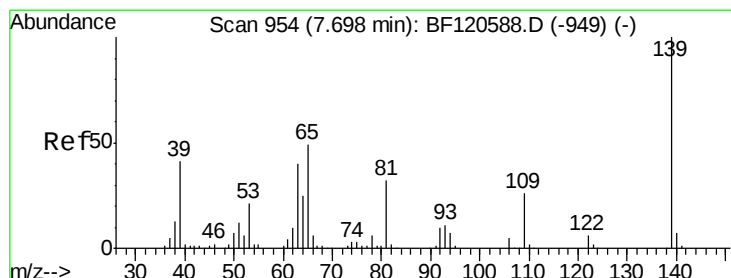
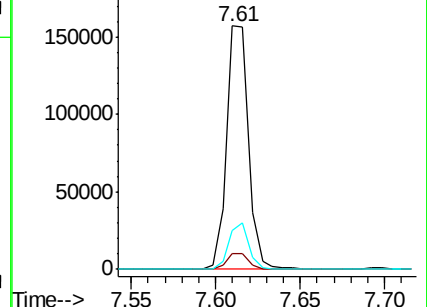
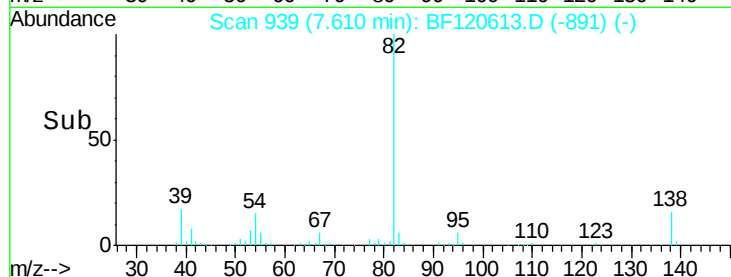
138 16.2 16.2 24.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 6.644 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

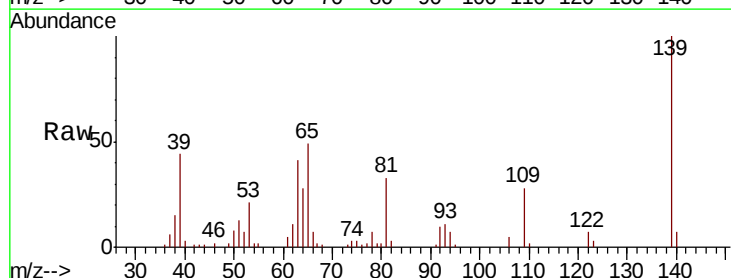
Tgt Ion: 139 Resp: 36008

Ion Ratio Lower Upper

139 100

109 28.1 21.1 31.7

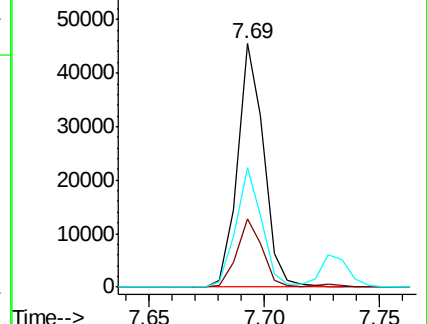
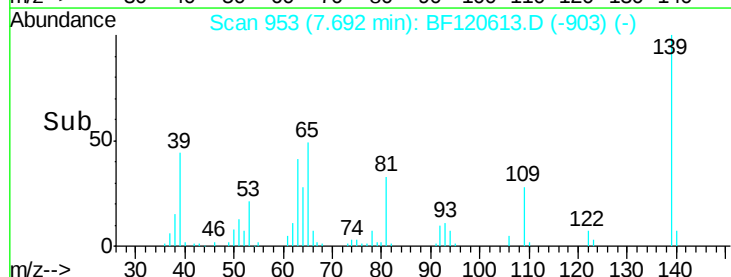
65 49.0 39.4 59.0

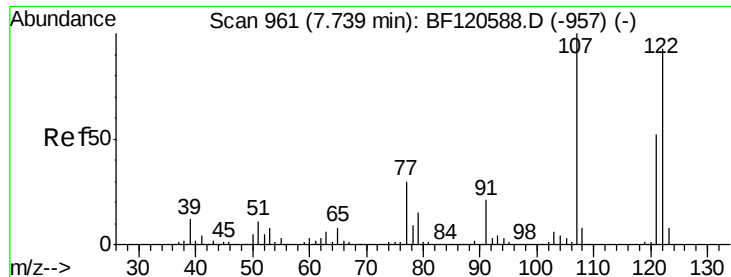


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

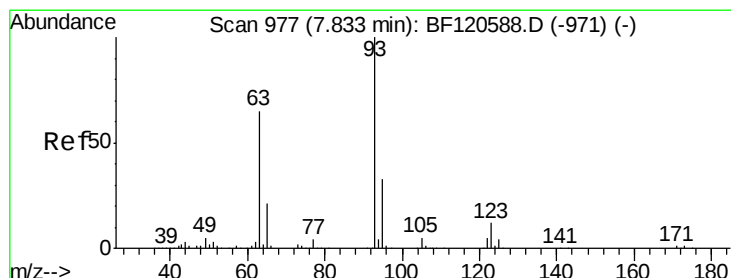
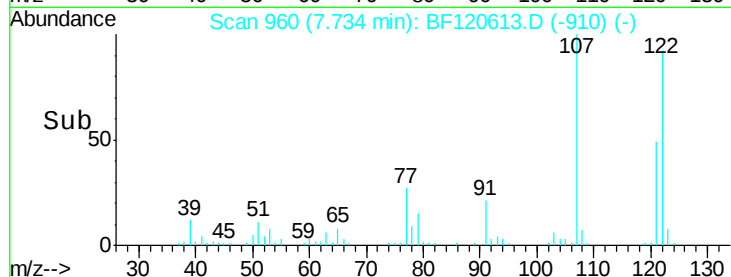
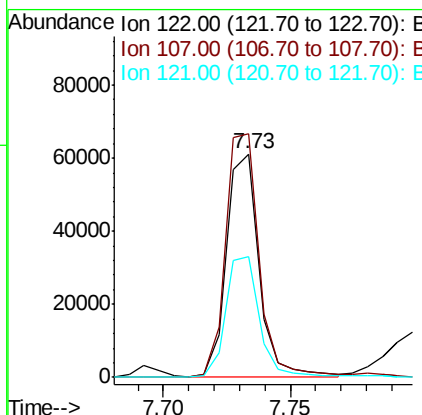
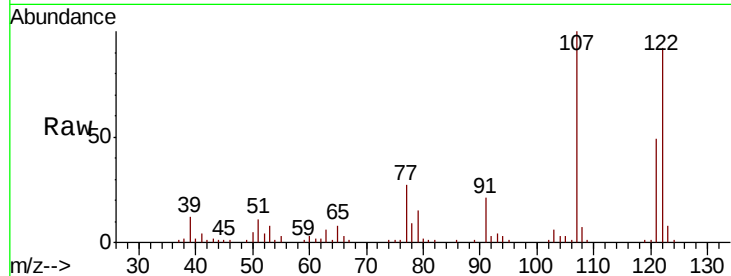




#27  
2,4-Dimethylphenol  
Concen: 6.910 ng  
RT: 7.73 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

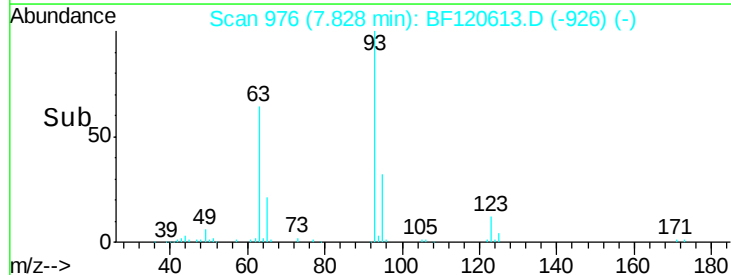
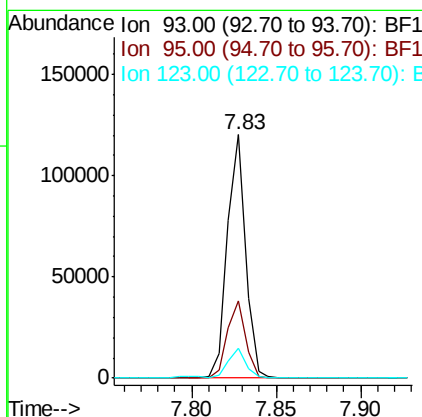
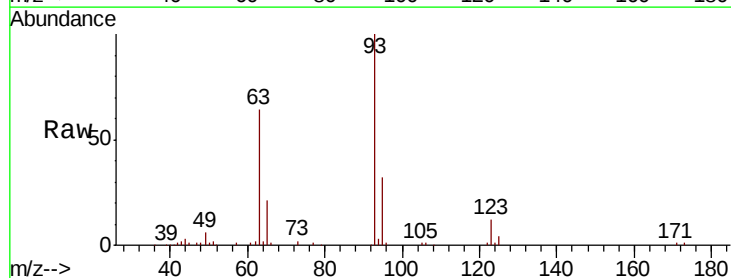
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

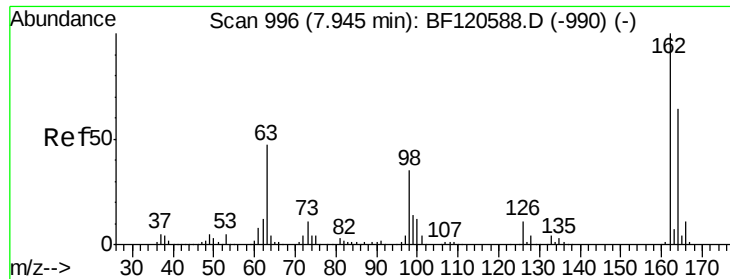
Tot Ion:122 Resp: 55147  
Ion Ratio Lower Upper  
122 100  
107 109.0 86.4 129.6  
121 54.0 45.2 67.8



#28  
bis(2-Chloroethoxy)methane  
Concen: 8.195 ng  
RT: 7.83 min Scan# 976  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

Tgt Ion: 93 Resp: 90595  
Ion Ratio Lower Upper  
93 100  
95 31.6 26.2 39.4  
123 12.2 9.5 14.3

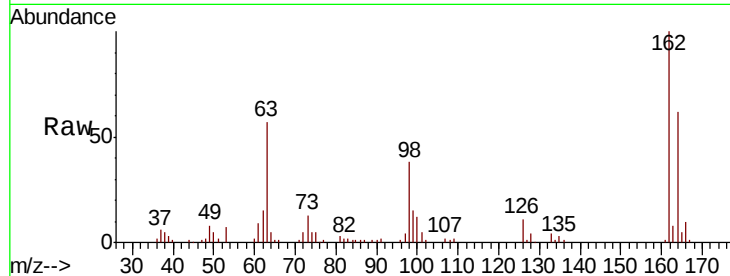




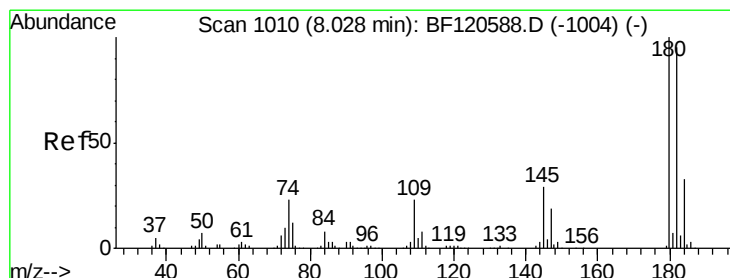
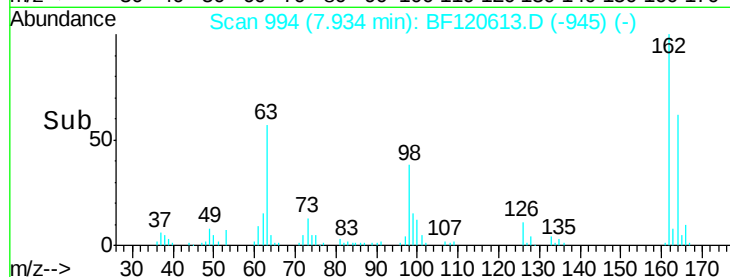
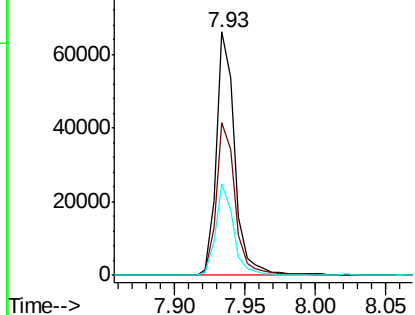
#29  
 2,4-Dichlorophenol  
 Concen: 7.430 ng  
 RT: 7.93 min Scan# 994  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

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

Tot Ion:162 Resp: 60274  
 Ion Ratio Lower Upper  
 162 100  
 164 62.5 44.1 84.1  
 98 37.5 14.7 54.7

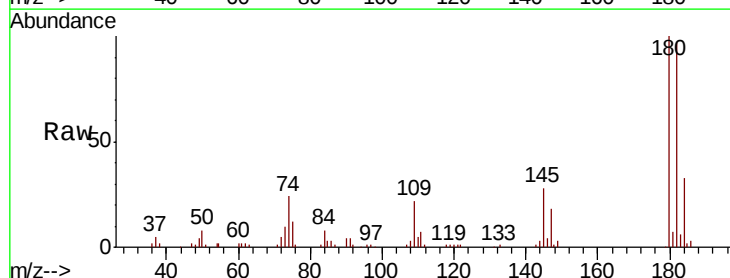


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

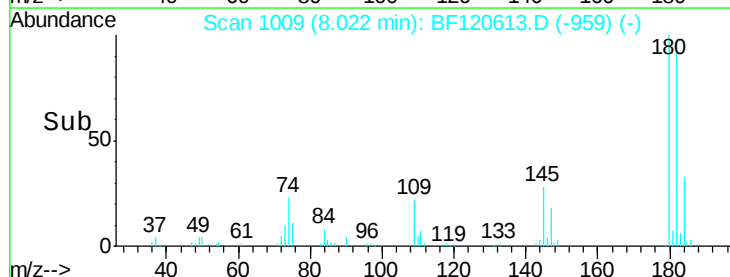
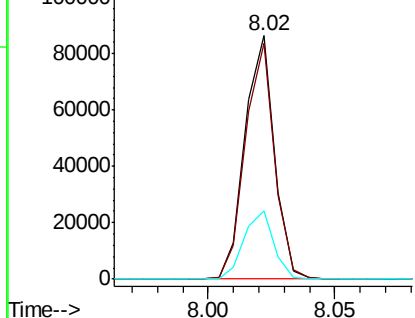


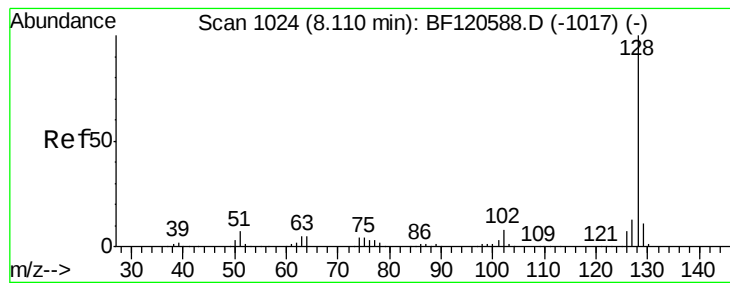
#30  
 1,2,4-Trichlorobenzene  
 Concen: 7.752 ng  
 RT: 8.02 min Scan# 1009  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

Tgt Ion:180 Resp: 69685  
 Ion Ratio Lower Upper  
 180 100  
 182 97.1 75.8 113.6  
 145 28.1 23.0 34.6



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: 8.636 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

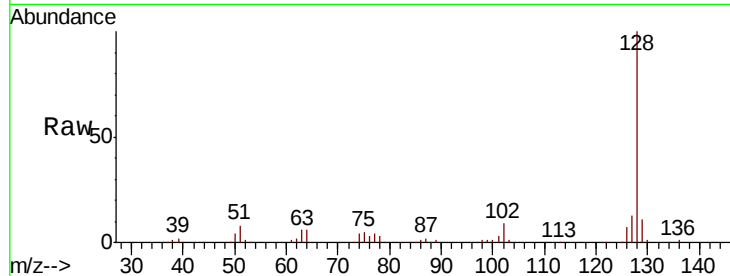
Tot Ion:128 Resp: 232054

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

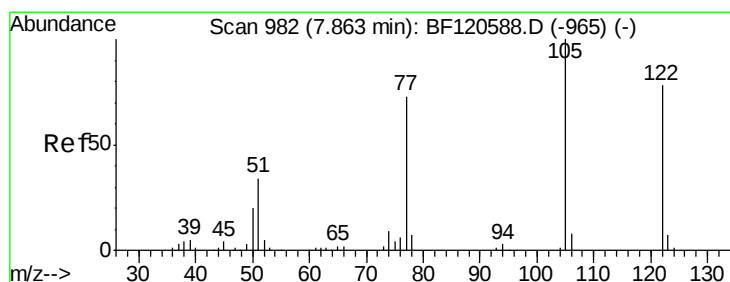
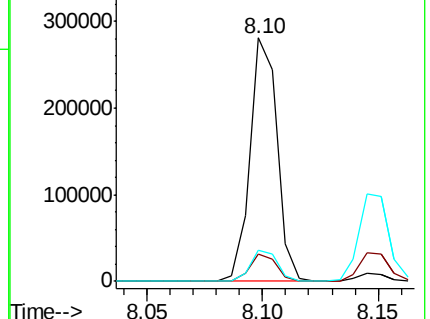
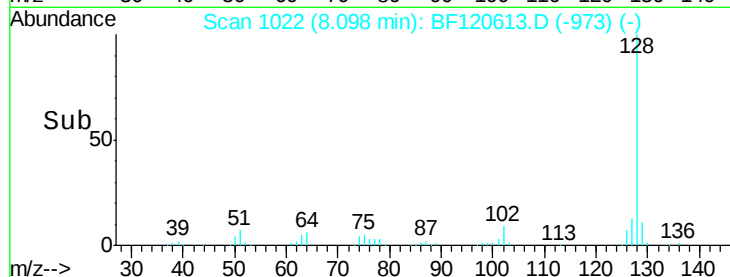
127 12.6 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.065 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.06 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

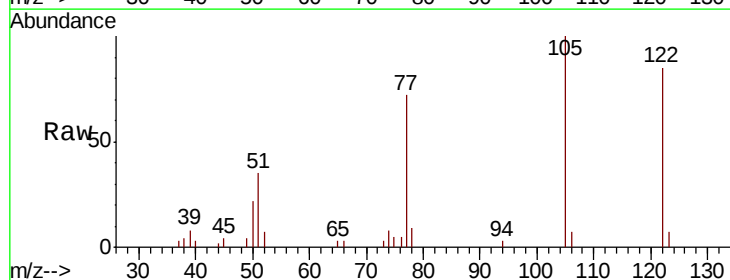
Tgt Ion:122 Resp: 18766

Ion Ratio Lower Upper

122 100

105 117.8 101.0 141.0

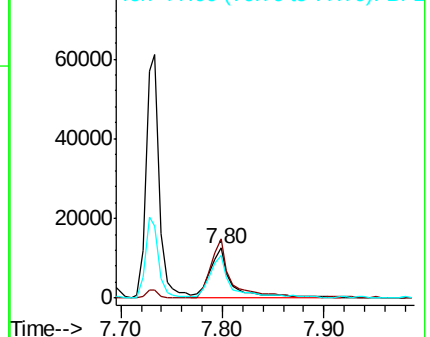
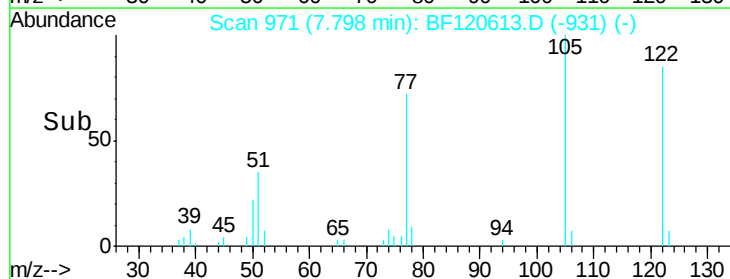
77 84.9 69.8 109.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

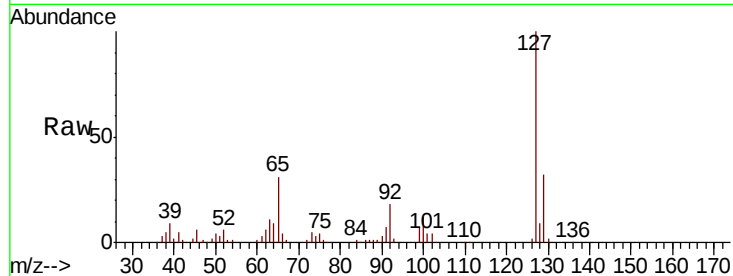




#33  
4-Chloroaniline  
Concen: 7.503 ng  
RT: 8.15 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

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

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 92539 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.0  | 25.9  | 38.9  |
| 65       | 31.1  | 22.2  | 33.4  |
| 92       | 17.9  | 14.2  | 21.2  |



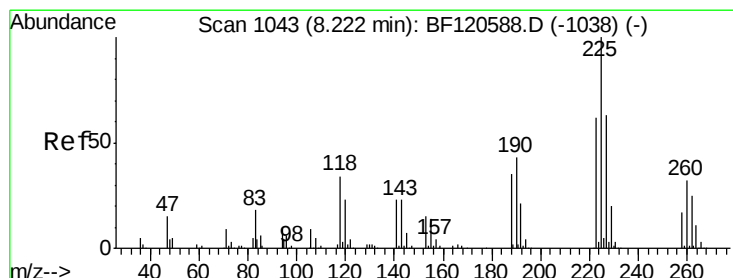
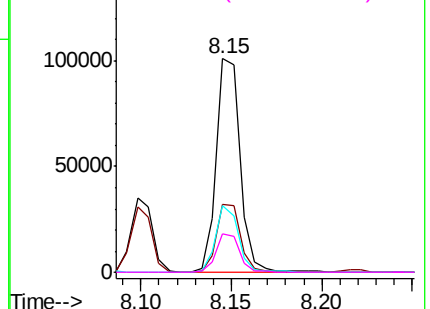
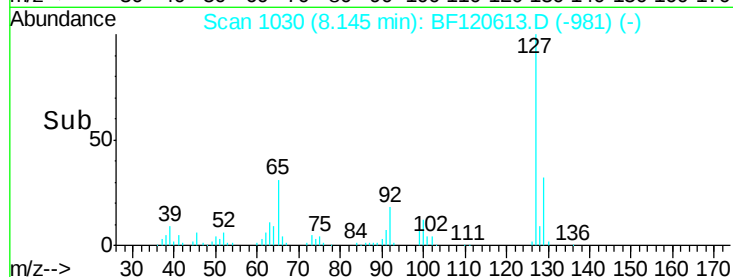
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

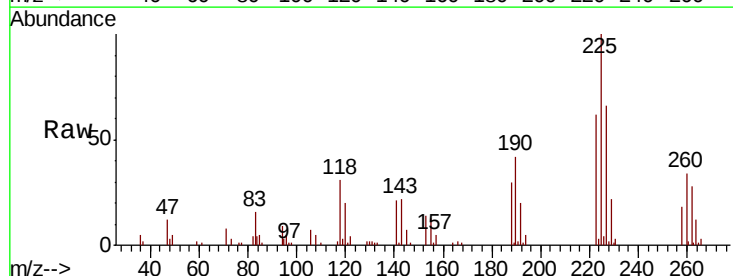
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34  
Hexachlorobutadiene  
Concen: 7.702 ng  
RT: 8.22 min Scan# 1043  
Delta R.T. 0.00 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 40358 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.3  | 49.9  | 74.9  |
| 227      | 65.8  | 50.5  | 75.7  |

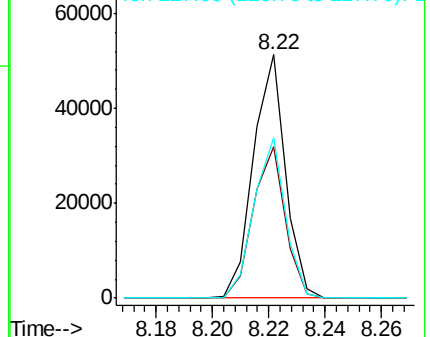
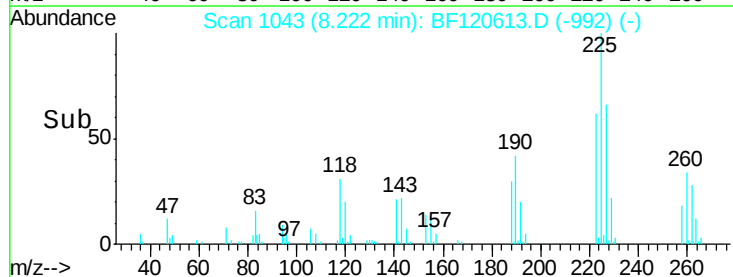


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

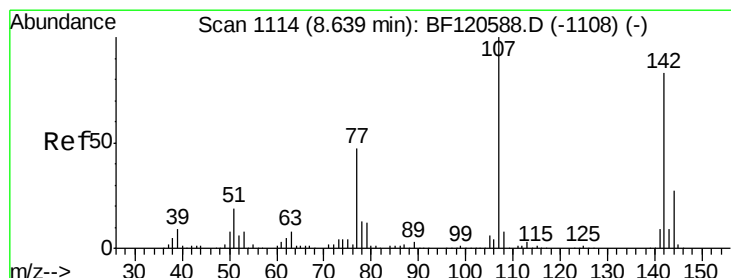
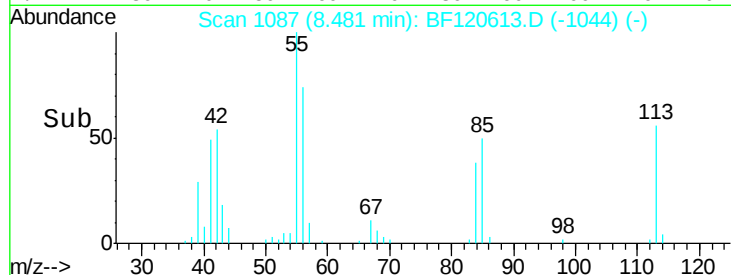
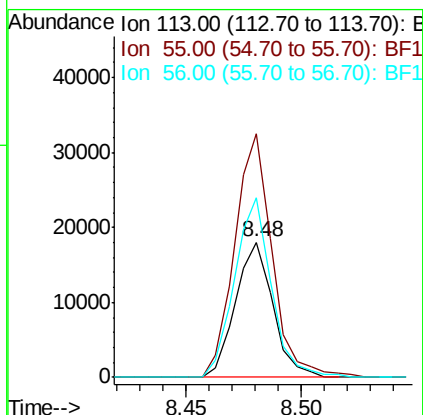
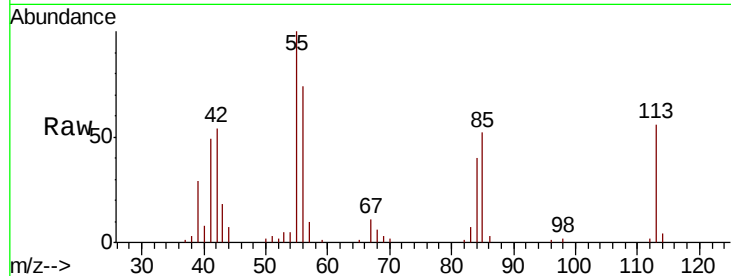




#35  
Caprolactam  
Concen: 7.856 ng  
RT: 8.48 min Scan# 1087  
Delta R.T. -0.05 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

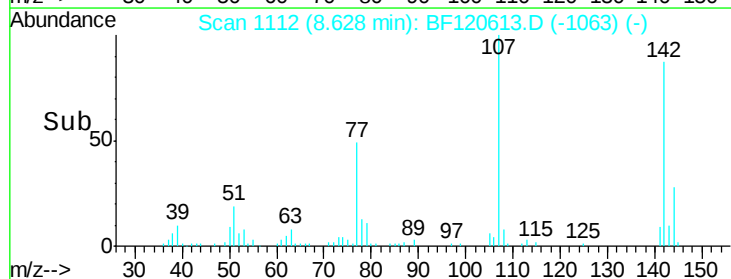
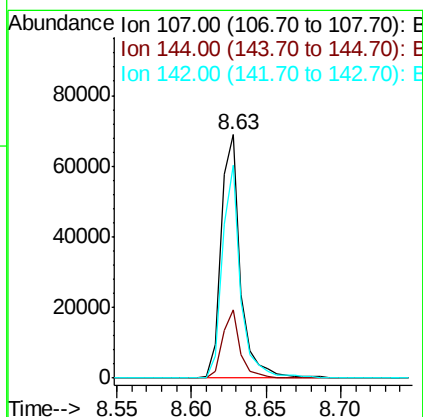
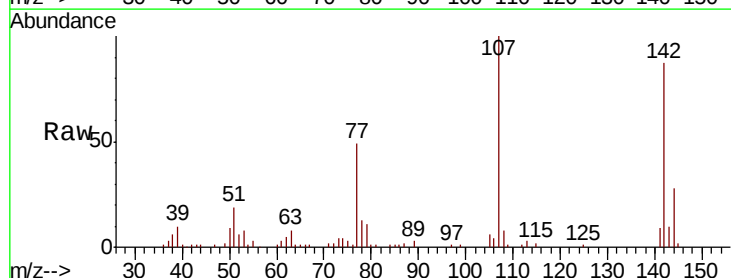
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

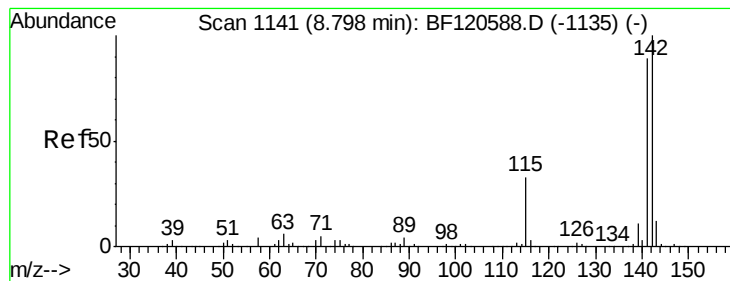
Tot Ion:113 Resp: 20383  
Ion Ratio Lower Upper  
113 100  
55 180.1 133.1 173.1#  
56 133.1 98.4 138.4



#36  
4-Chloro-3-methylphenol  
Concen: 7.777 ng  
RT: 8.63 min Scan# 1112  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

Tgt Ion:107 Resp: 63029  
Ion Ratio Lower Upper  
107 100  
144 27.9 21.4 32.2  
142 87.3 66.3 99.5





#37

2-Methylnaphthalene

Concen: 8.608 ng

RT: 8.79 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

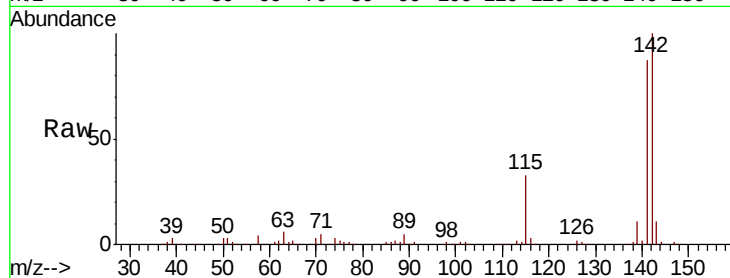
Tot Ion:142 Resp: 150992

Ion Ratio Lower Upper

142 100

141 86.7 71.4 107.0

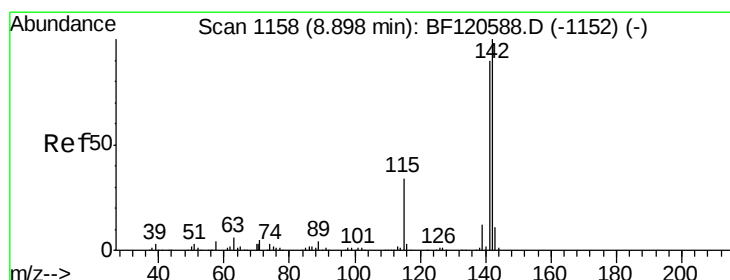
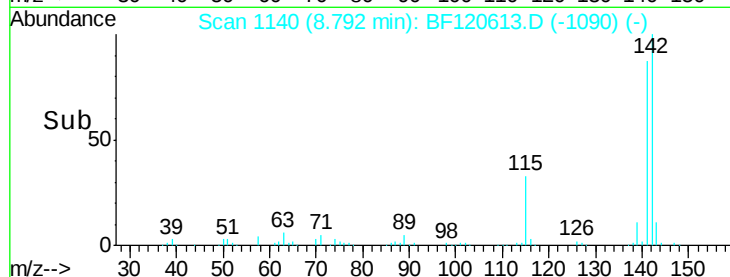
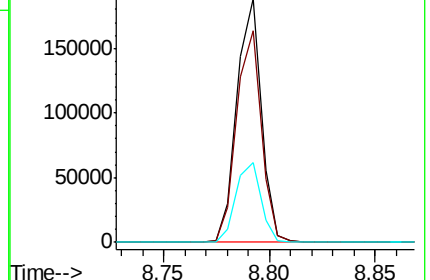
115 32.7 26.1 39.1



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: 8.731 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

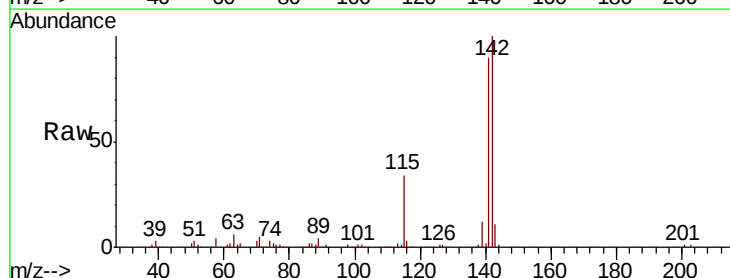
Tgt Ion:142 Resp: 144110

Ion Ratio Lower Upper

142 100

141 90.2 72.1 108.1

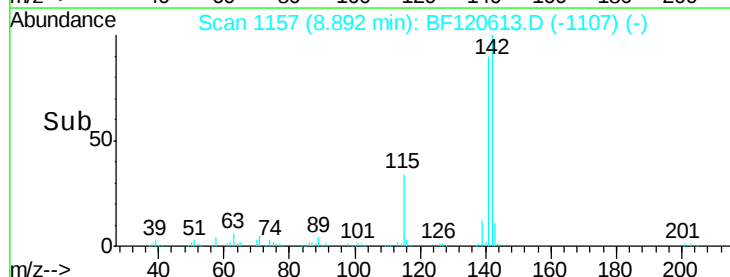
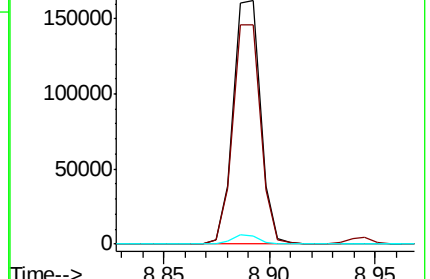
116 3.3 2.7 4.1

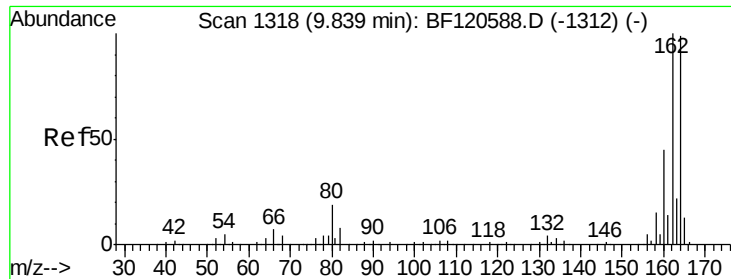


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

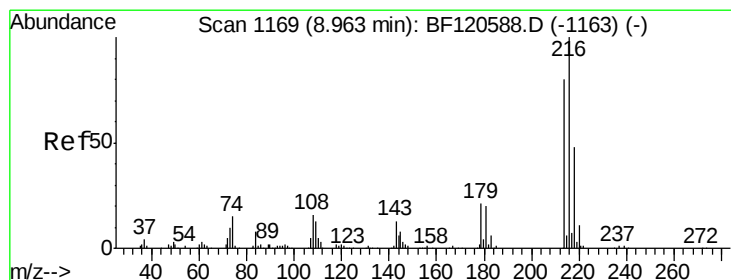
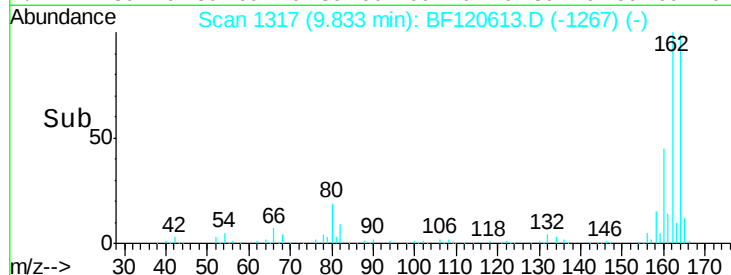
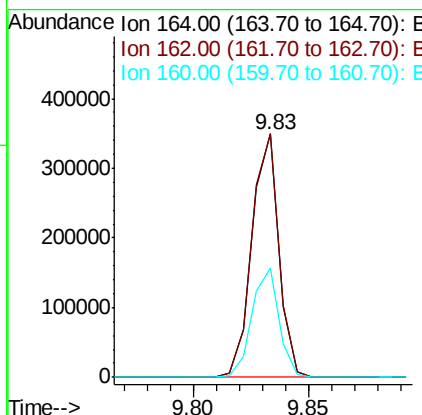
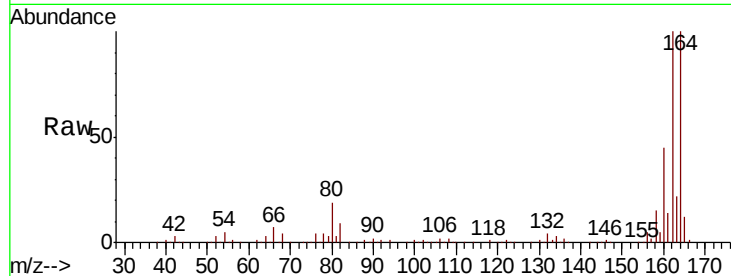




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

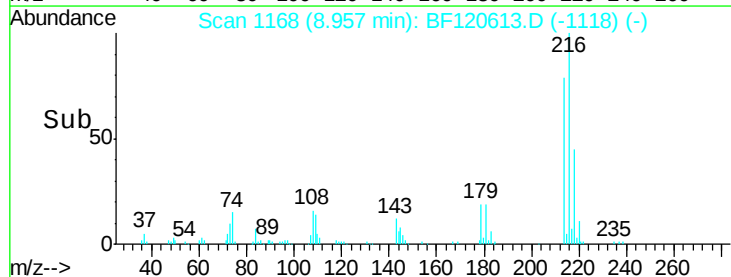
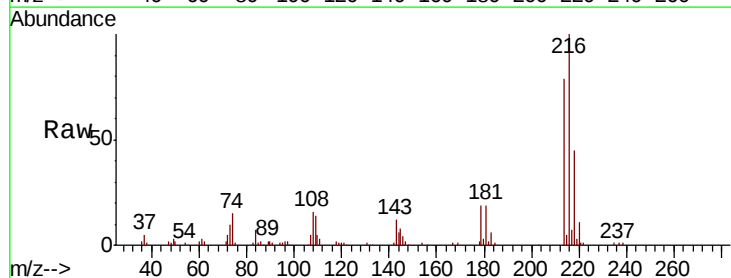
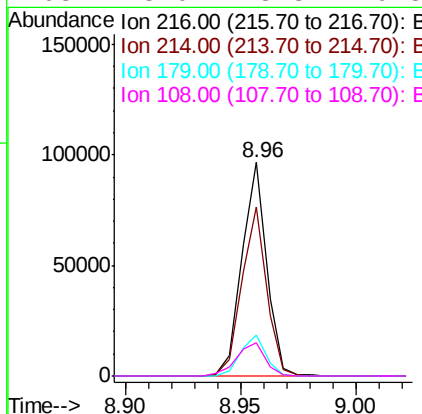
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

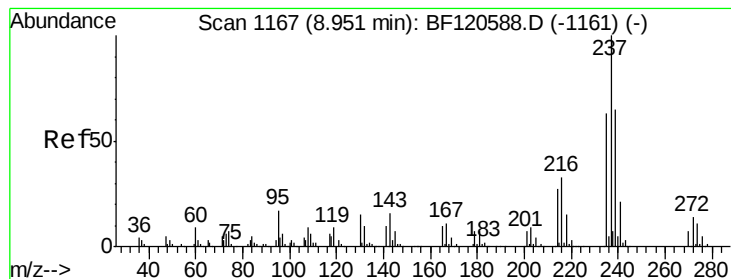
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.9  | 80.6  | 120.8 |
| 160     | 44.9  | 36.2  | 54.2  |



#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 8.552 ng  
 RT: 8.96 min Scan# 1168  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.7  | 63.8  | 95.6  |
| 179     | 19.6  | 16.4  | 24.6  |
| 108     | 18.0  | 13.8  | 20.8  |





#41

Hexachlorocyclopentadiene

Concen: 5.725 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

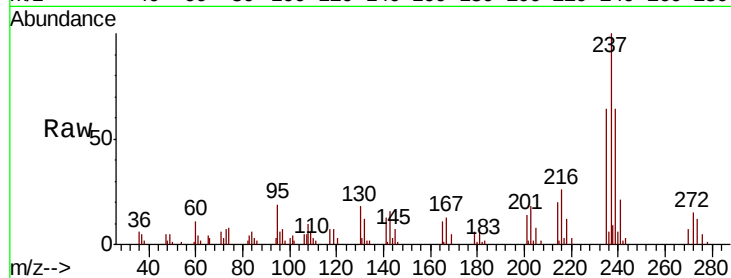
Tot Ion:237 Resp: 27190

Ion Ratio Lower Upper

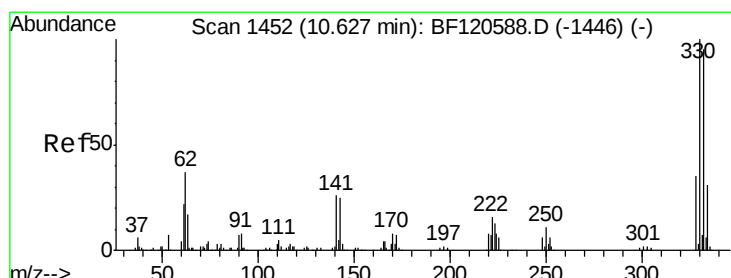
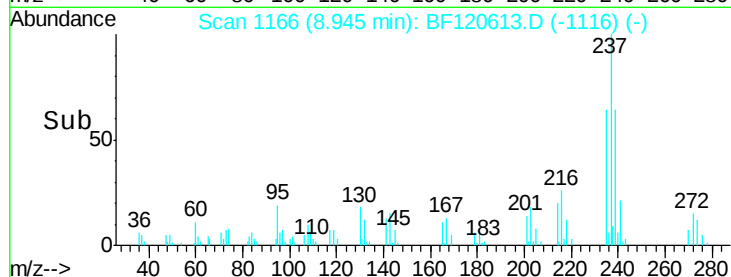
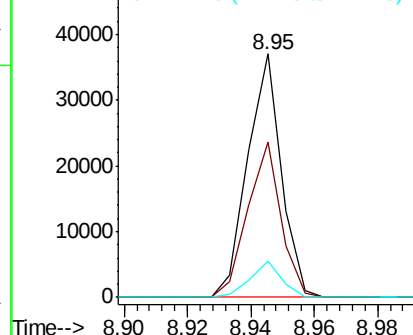
237 100

235 64.0 43.2 83.2

272 14.8 0.0 33.9



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: 148.595 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

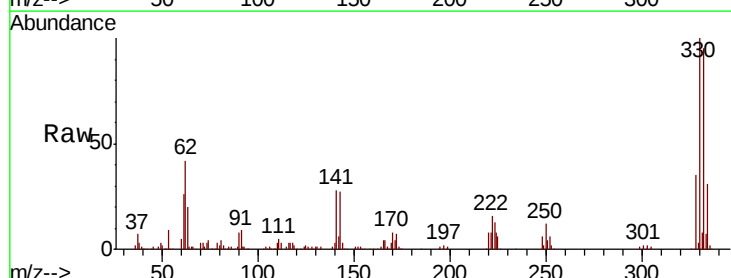
Tgt Ion:330 Resp: 490378

Ion Ratio Lower Upper

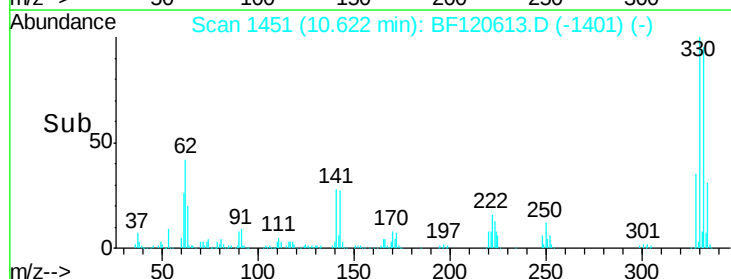
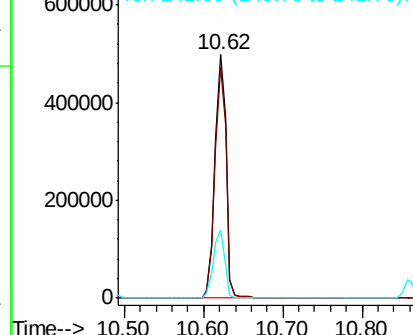
330 100

332 95.1 76.8 115.2

141 28.5 23.2 34.8



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

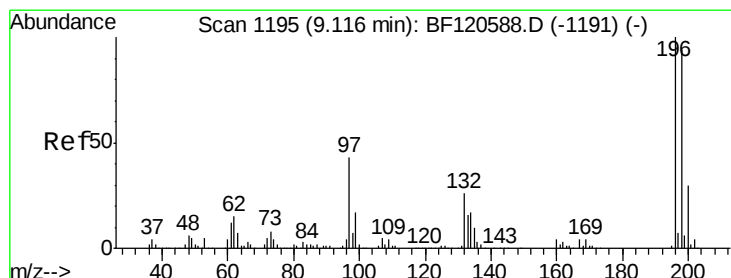
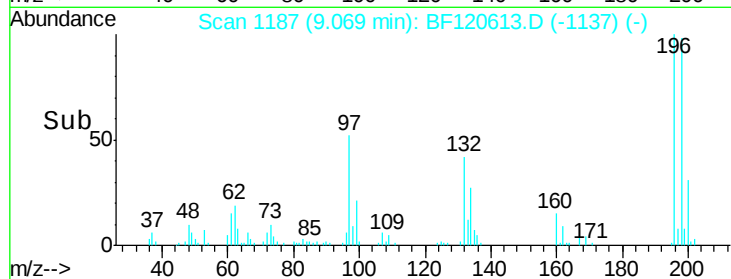
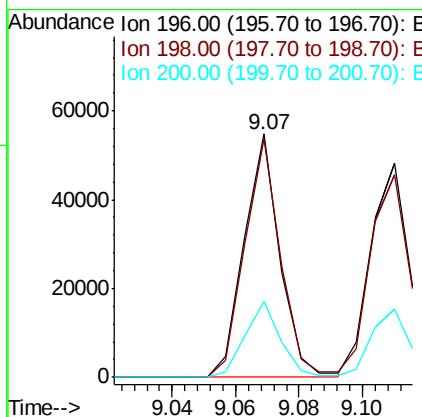
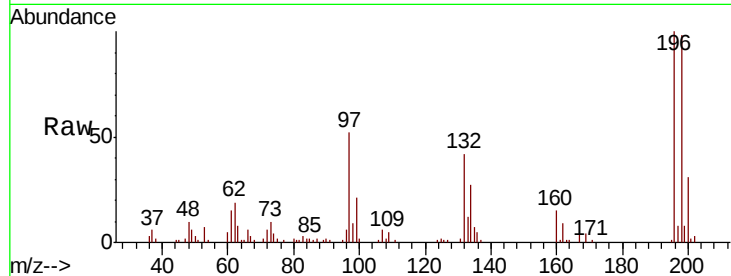




#43  
 2,4,6-Trichlorophenol  
 Concen: 7.110 ng  
 RT: 9.07 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

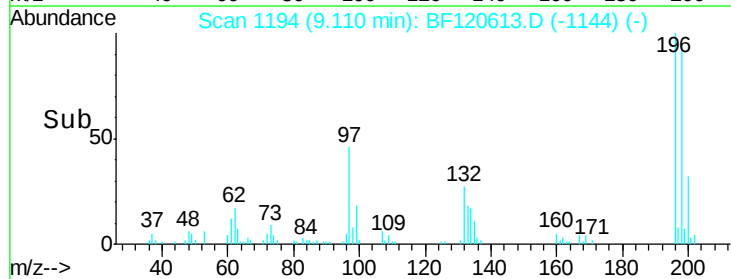
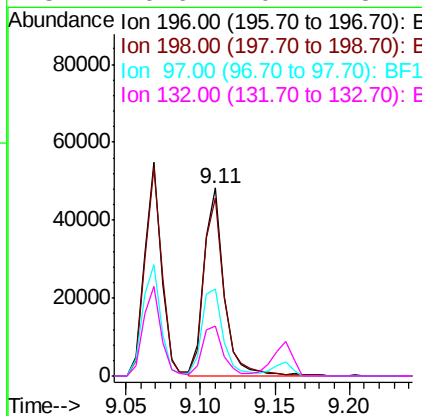
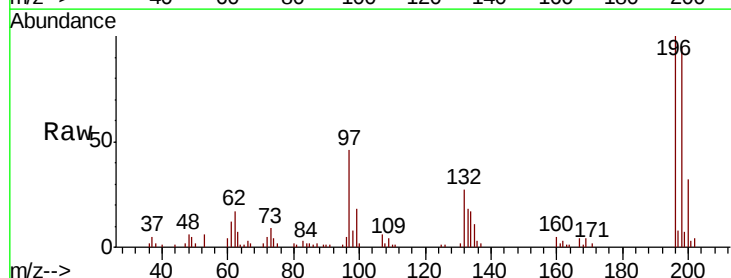
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

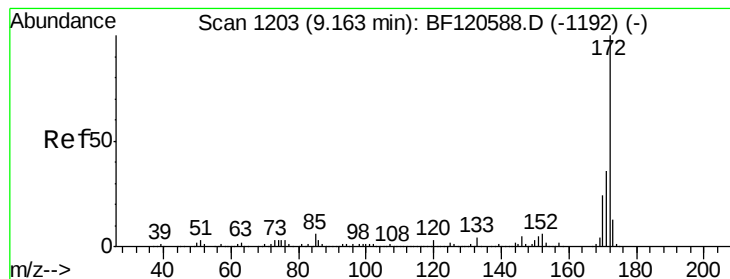
Tot Ion:196 Resp: 42746  
 Ion Ratio Lower Upper  
 196 100  
 198 97.9 76.2 114.2  
 200 31.0 24.6 37.0



#44  
 2,4,5-Trichlorophenol  
 Concen: 6.658 ng  
 RT: 9.11 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

Tgt Ion:196 Resp: 45415  
 Ion Ratio Lower Upper  
 196 100  
 198 94.5 75.5 113.3  
 97 46.1 34.4 51.6  
 132 26.6 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 96.048 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

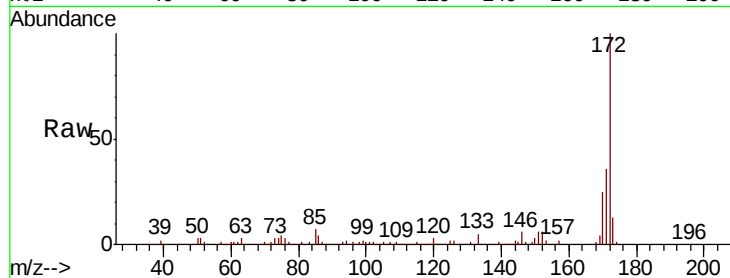
BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:172 Resp: 1781909

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.4  | 29.0  | 43.4  |
| 170 | 24.7  | 19.4  | 29.2  |

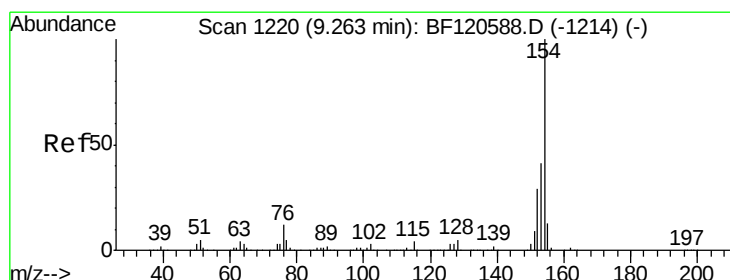
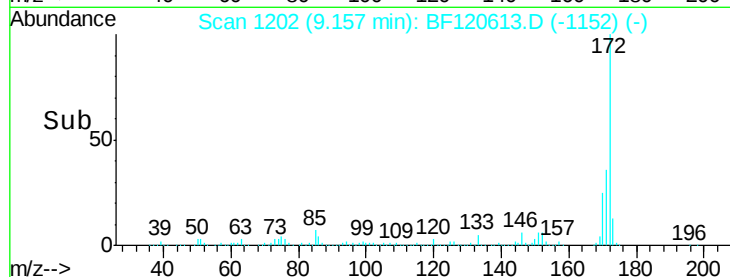
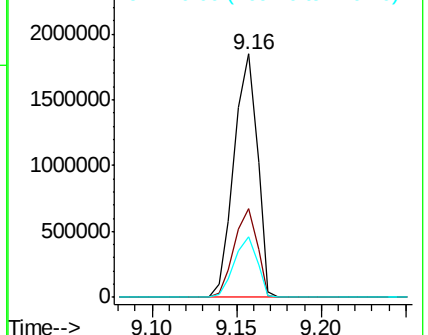


Abundance

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: 9.120 ng

RT: 9.25 min Scan# 1218

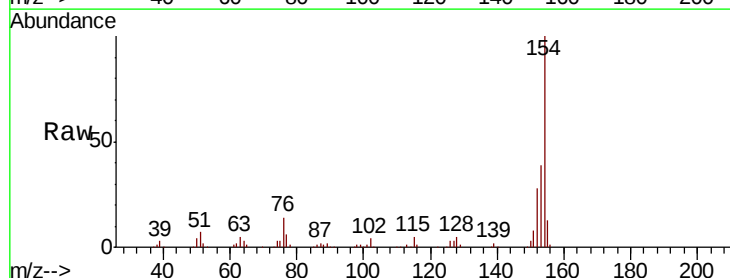
Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Tgt Ion:154 Resp: 193298

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 39.2  | 21.4  | 61.4  |
| 76  | 13.8  | 0.0   | 31.6  |

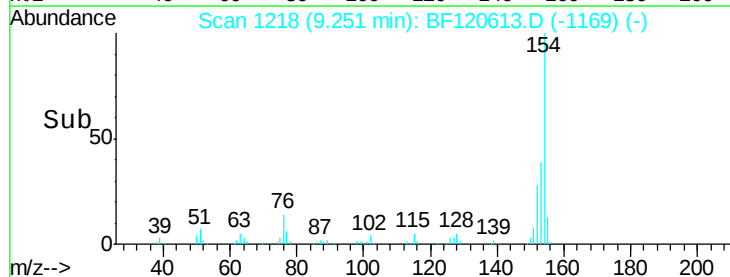
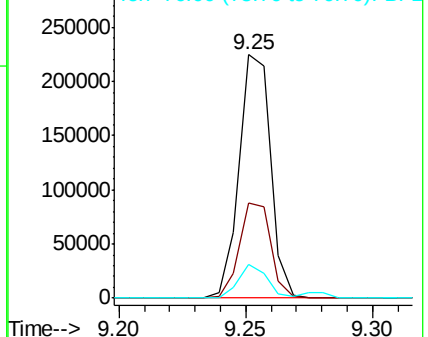


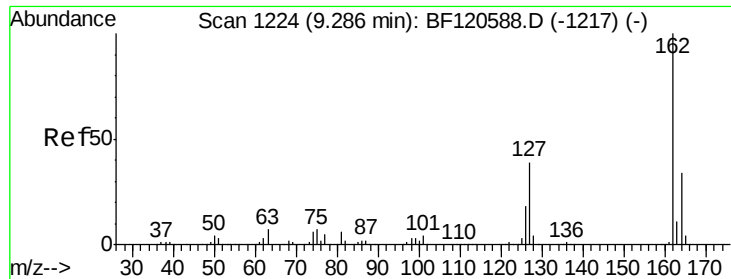
Abundance

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

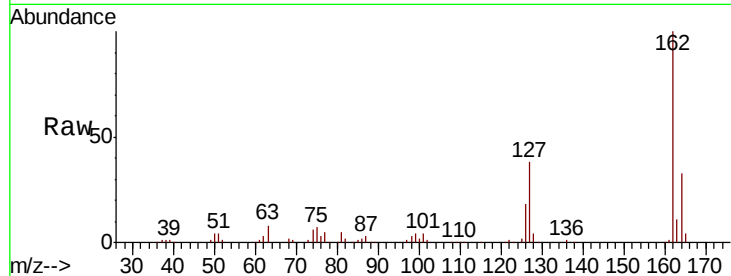




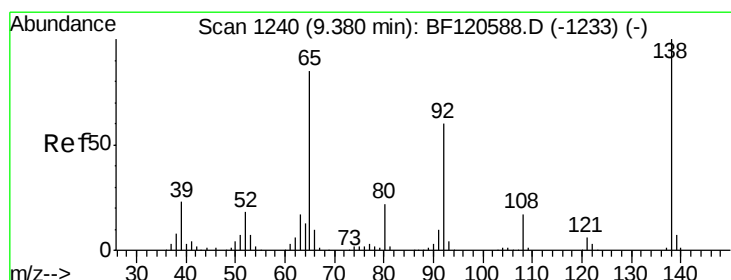
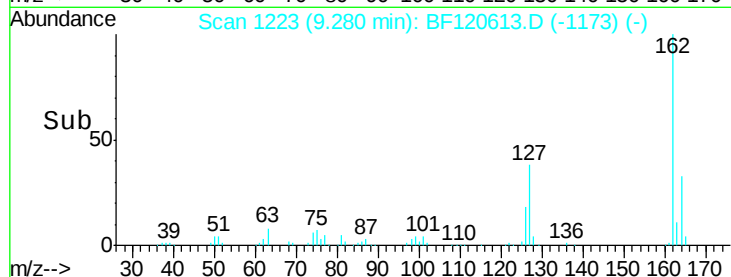
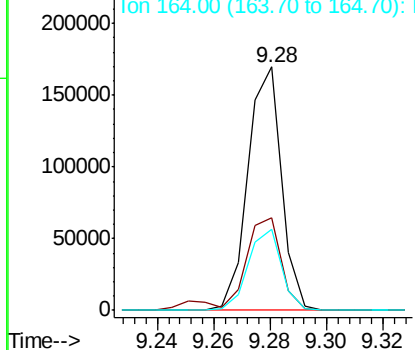
#47  
 2-Chloronaphthalene  
 Concen: 8.049 ng  
 RT: 9.28 min Scan# 1223  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

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

Tot Ion:162 Resp: 139510  
 Ion Ratio Lower Upper  
 162 100  
 127 38.0 31.3 46.9  
 164 33.3 26.9 40.3

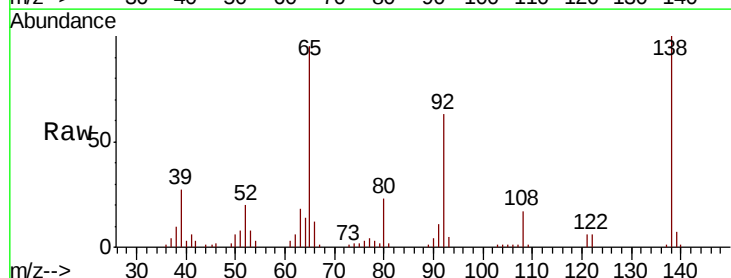


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

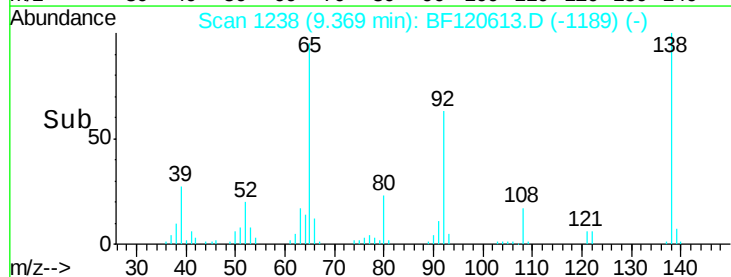
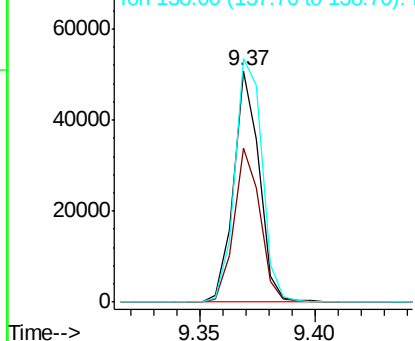


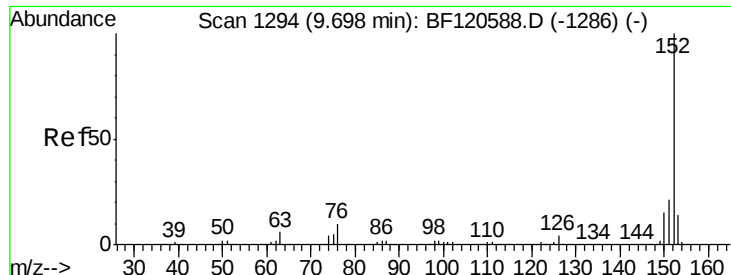
#48  
 2-Nitroaniline  
 Concen: 7.227 ng  
 RT: 9.37 min Scan# 1238  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

Tgt Ion: 65 Resp: 39337  
 Ion Ratio Lower Upper  
 65 100  
 92 66.8 56.0 84.0  
 138 105.4 94.0 141.0



Abundance Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 8.384 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

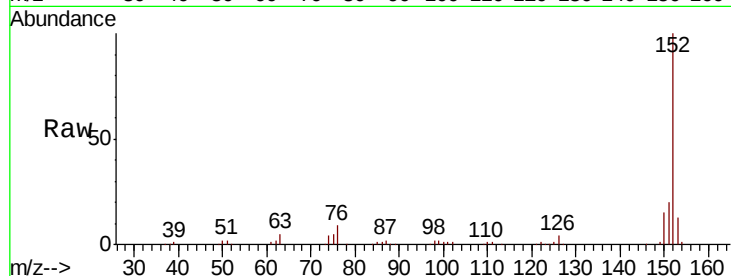
Tot Ion:152 Resp: 224253

Ion Ratio Lower Upper

152 100

151 19.8 16.6 25.0

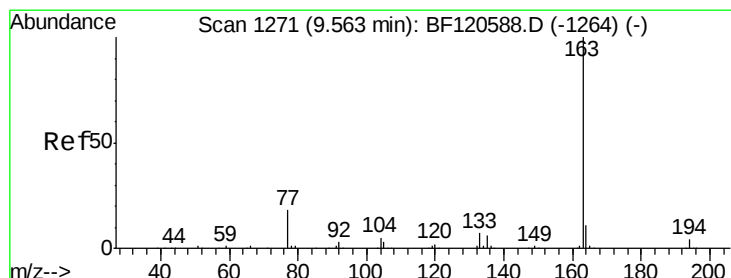
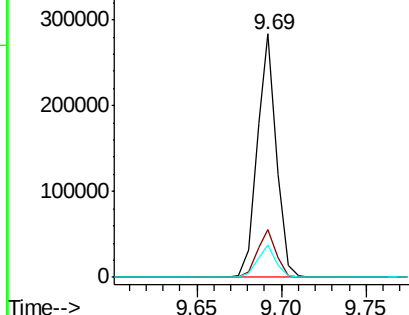
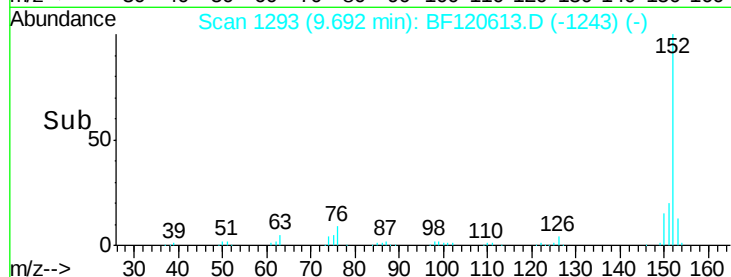
153 13.1 11.0 16.6



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: 7.914 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

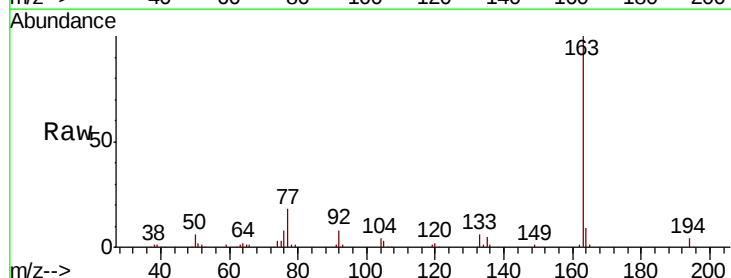
Tgt Ion:163 Resp: 161784

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

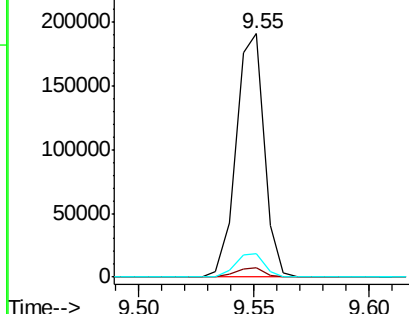
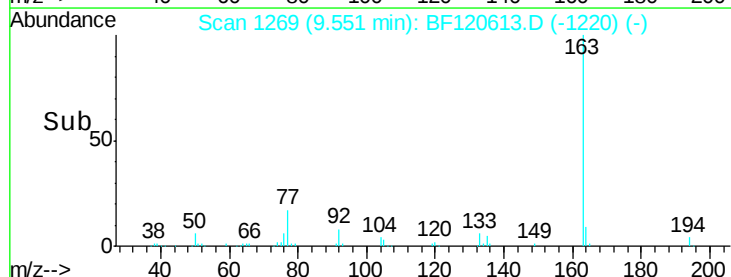
164 9.4 8.5 12.7

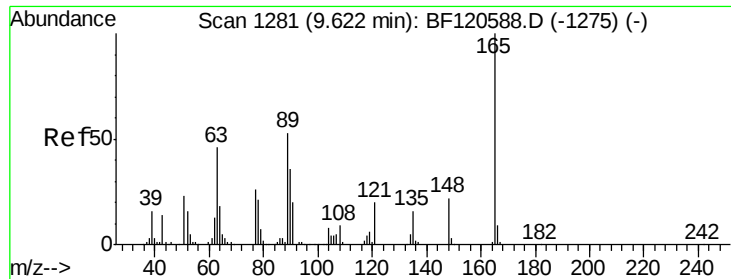


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

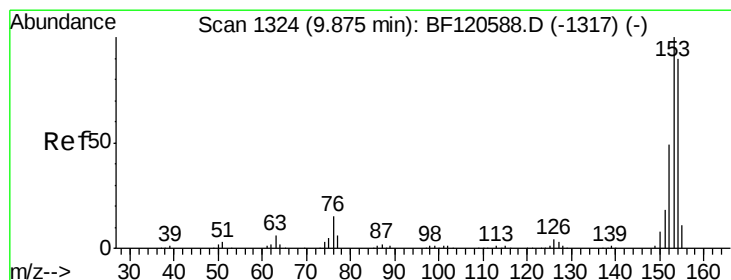
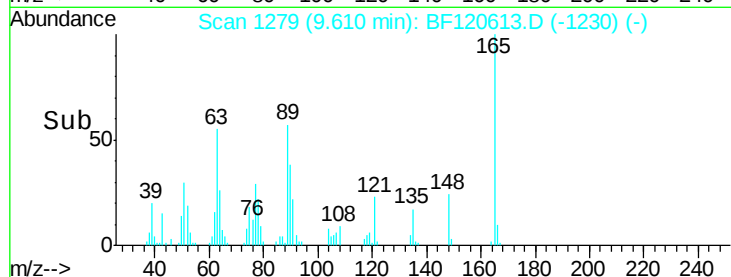
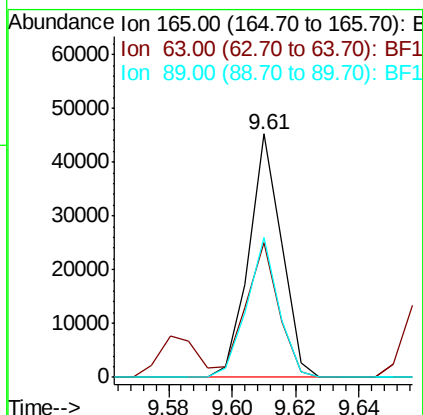
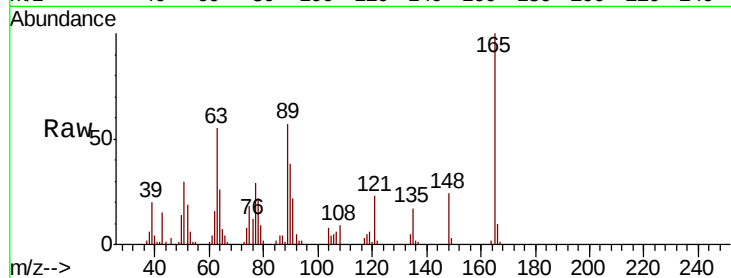




#51  
2,6-Dinitrotoluene  
Concen: 7.015 ng  
RT: 9.61 min Scan# 1279  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

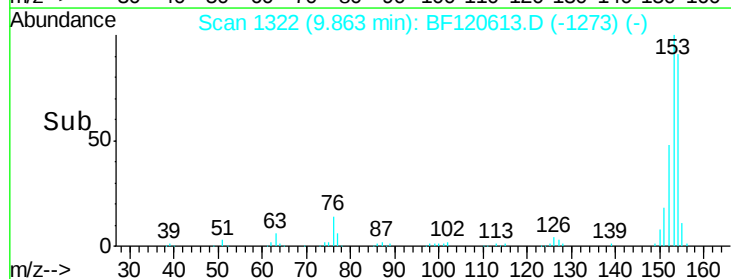
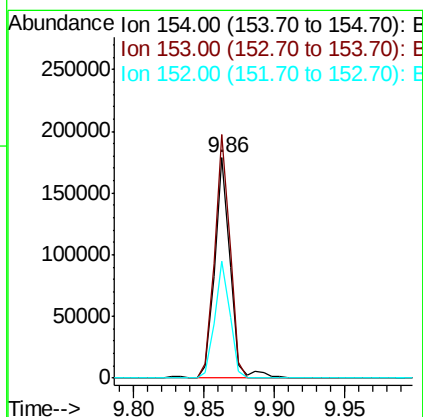
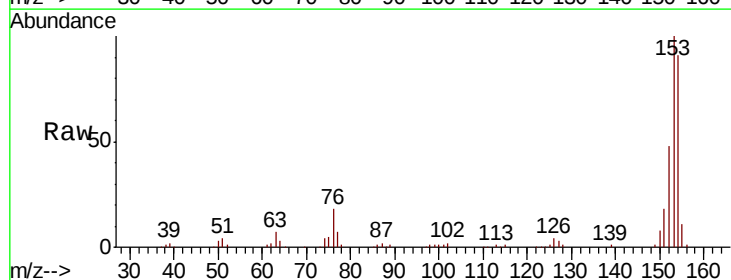
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:165 Resp: 32498  
Ion Ratio Lower Upper  
165 100  
63 55.5 41.7 62.5  
89 57.4 42.6 64.0



#52  
Acenaphthene  
Concen: 8.595 ng  
RT: 9.86 min Scan# 1322  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

Tgt Ion:154 Resp: 137120  
Ion Ratio Lower Upper  
154 100  
153 110.5 89.1 133.7  
152 53.2 43.7 65.5

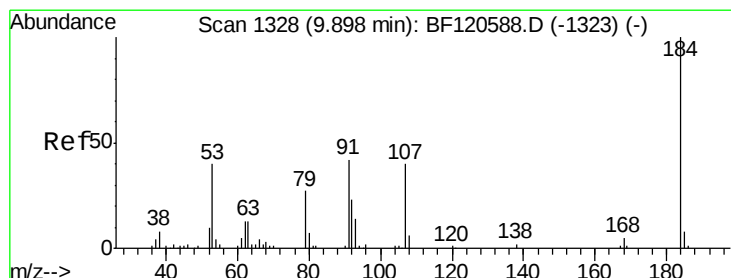
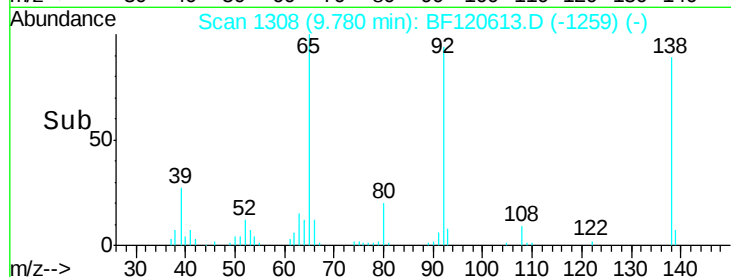
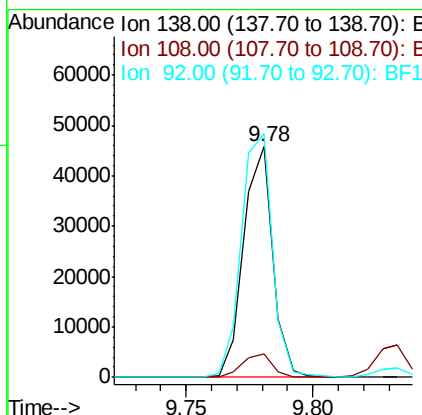
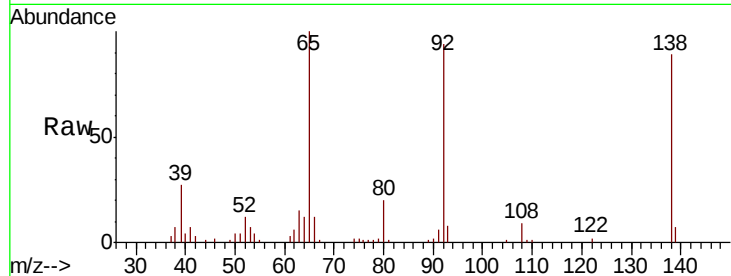




#53  
3-Nitroaniline  
Concen: 6.595 ng  
RT: 9.78 min Scan# 1308  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

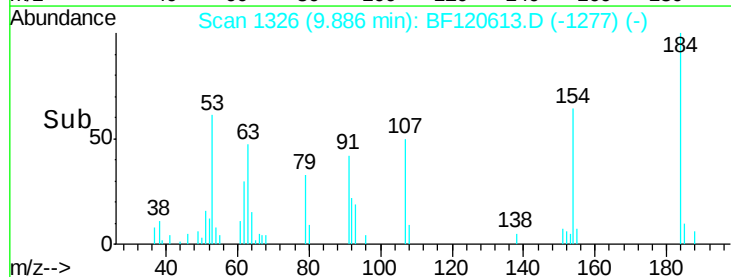
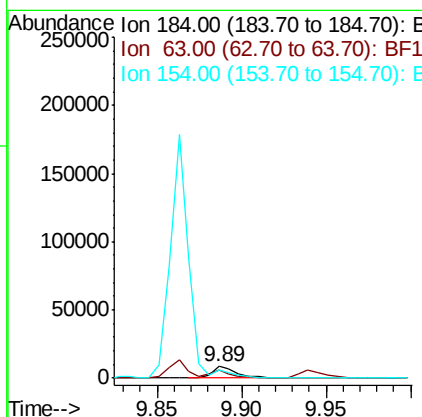
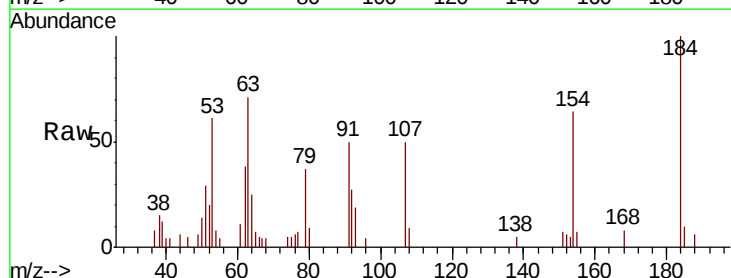
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

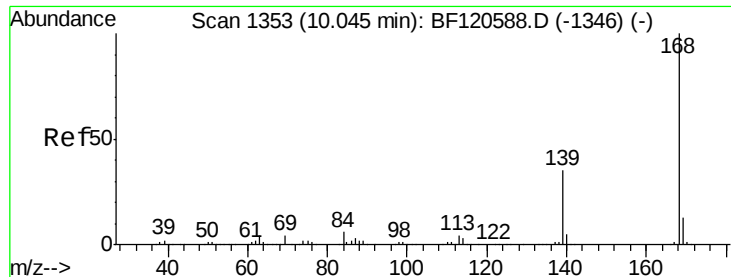
Tot Ion:138 Resp: 36698  
Ion Ratio Lower Upper  
138 100  
108 10.0 8.0 12.0  
92 105.5 86.0 129.0



#54  
2,4-Dinitrophenol  
Concen: 3.631 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

Tgt Ion:184 Resp: 9019  
Ion Ratio Lower Upper  
184 100  
63 71.4 44.2 66.2#  
154 64.4 45.9 68.9

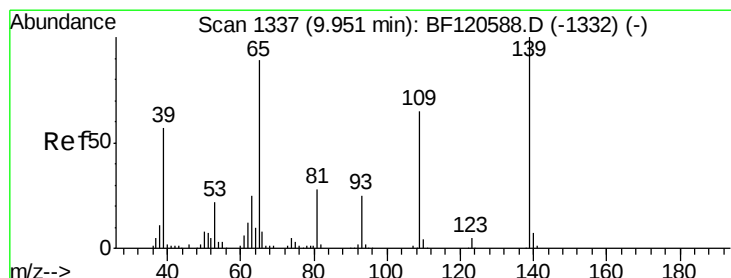
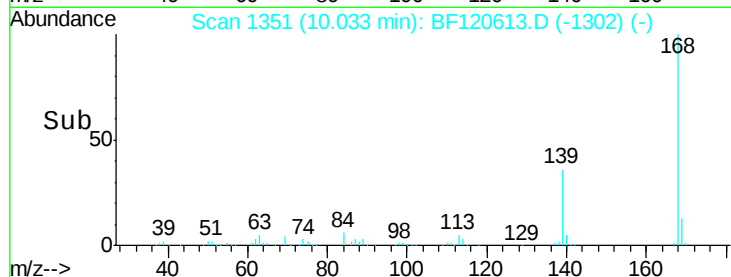
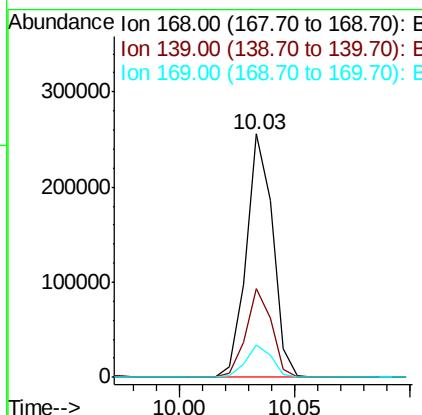
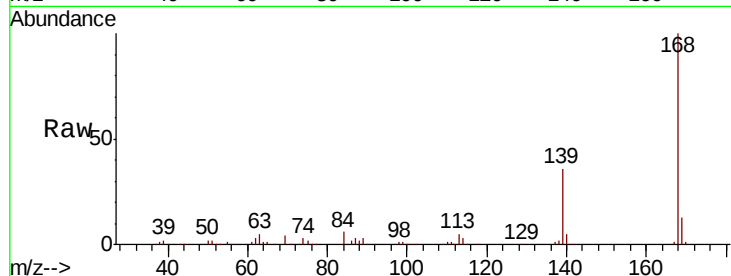




#55  
Dibenzenofuran  
Concen: 8.430 ng  
RT: 10.03 min Scan# 1351  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

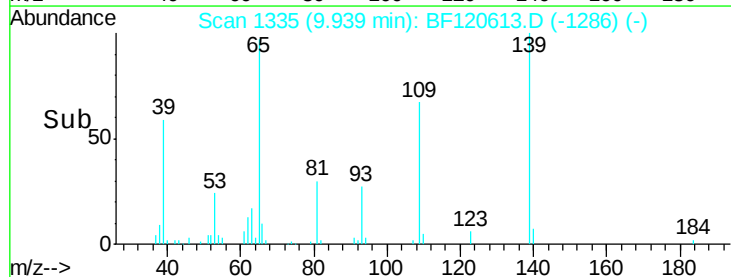
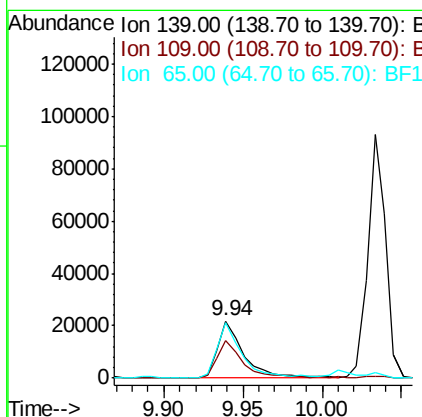
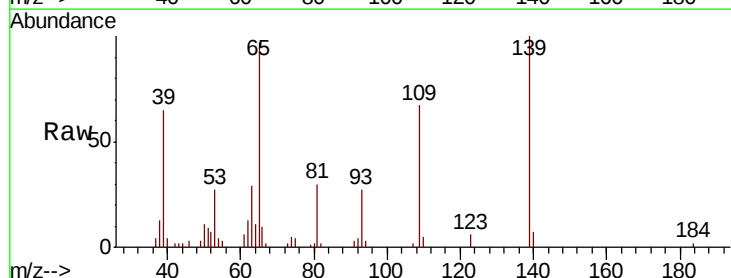
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

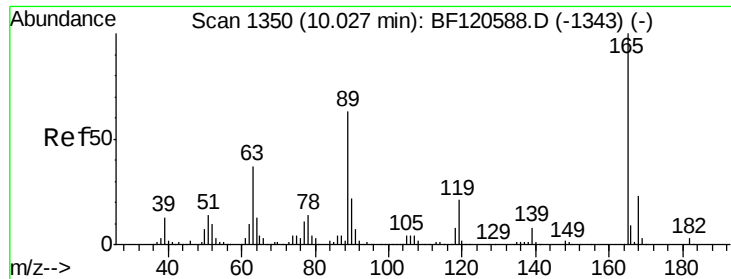
Tot Ion:168 Resp: 206218  
Ion Ratio Lower Upper  
168 100  
139 36.4 28.1 42.1  
169 13.4 10.6 16.0



#56  
4-Nitrophenol  
Concen: 5.952 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

Tgt Ion:139 Resp: 24945  
Ion Ratio Lower Upper  
139 100  
109 67.0 44.6 84.6  
65 96.7 69.2 109.2

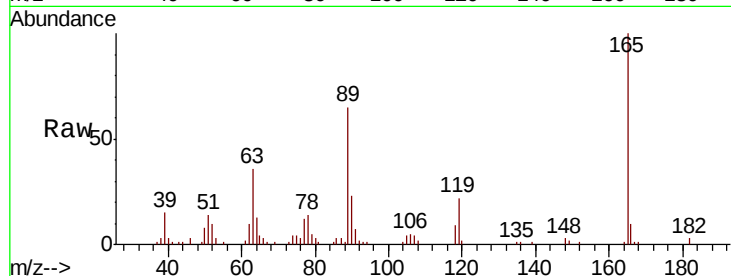




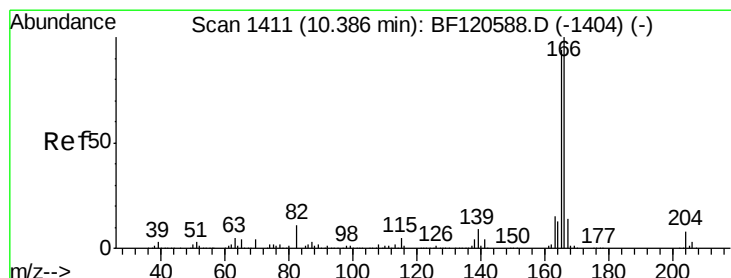
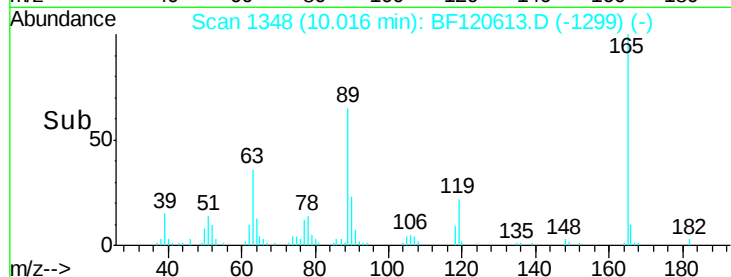
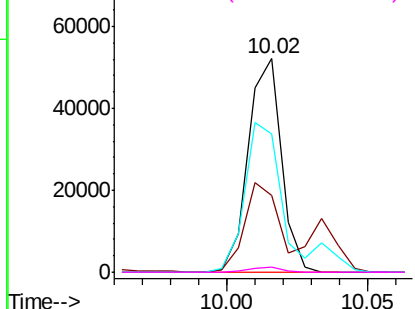
#57  
2,4-Dinitrotoluene  
Concen: 6.937 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

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

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:165 | Resp: | 42646     |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 63          | 36.0  | 29.8 44.8 |
| 89          | 64.8  | 50.4 75.6 |
| 182         | 2.6   | 2.1 3.1   |

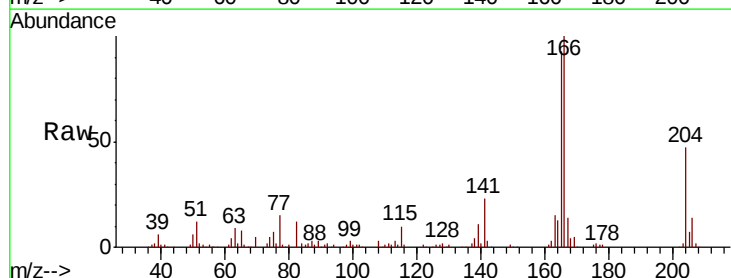


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

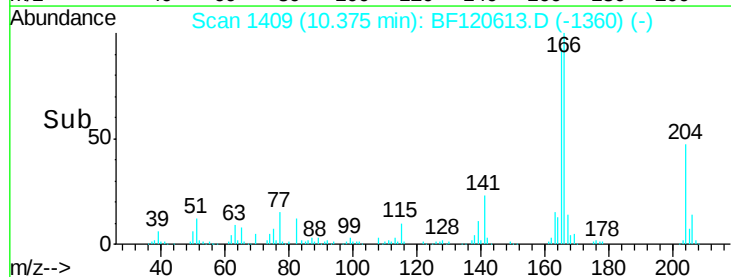
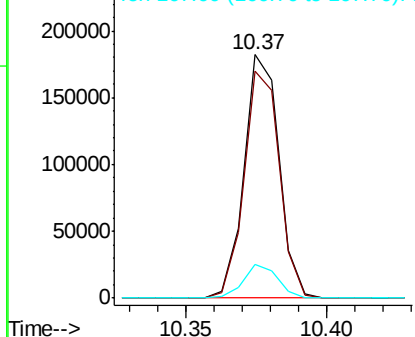


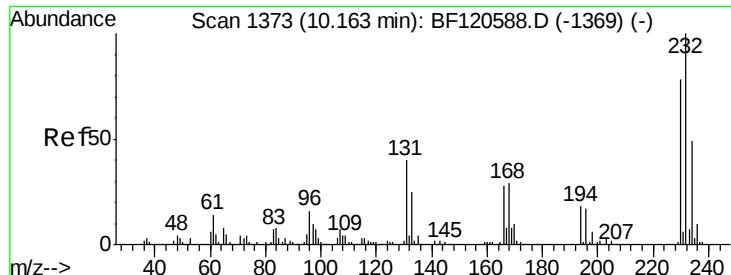
#58  
Fluorene  
Concen: 8.235 ng  
RT: 10.37 min Scan# 1409  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 155288     |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 93.2  | 75.0 112.6 |
| 167         | 13.9  | 11.0 16.4  |



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

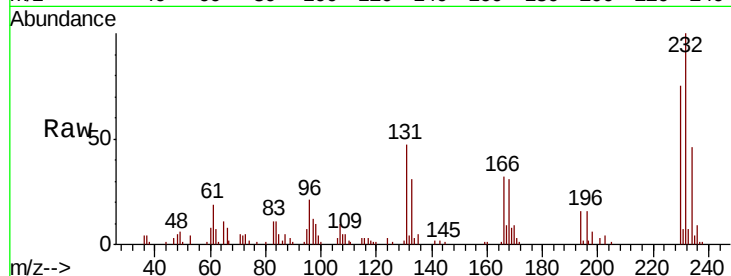




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 6.902 ng  
 RT: 10.15 min Scan# 1371  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 45.1  | 33.5  | 50.3  |
| 130     | 1.9   | 1.5   | 2.3   |
| 166     | 29.6  | 23.4  | 35.0  |



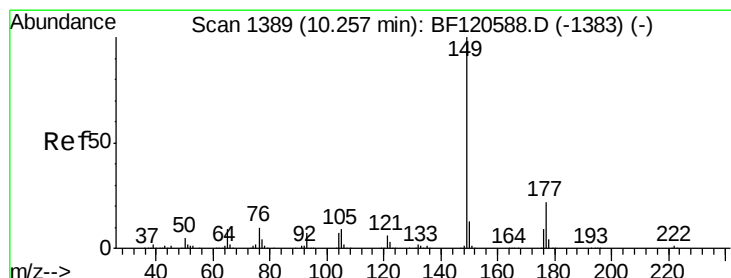
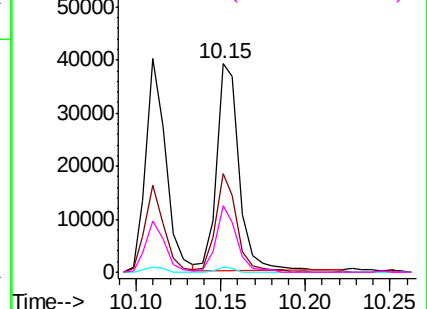
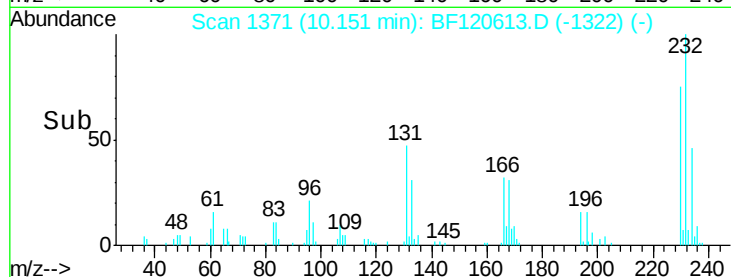
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

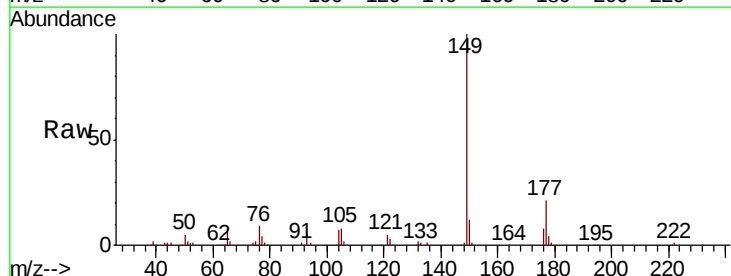
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
 Diethylphthalate  
 Concen: 7.893 ng  
 RT: 10.25 min Scan# 1388  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.4  | 17.3  | 25.9  |
| 150     | 12.0  | 10.3  | 15.5  |

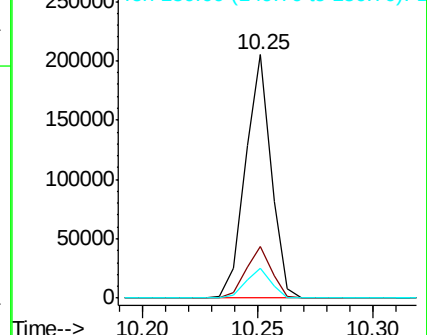
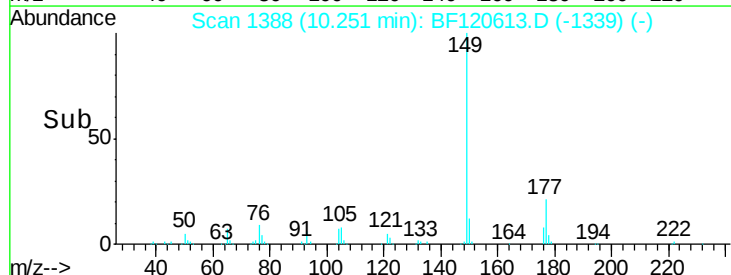


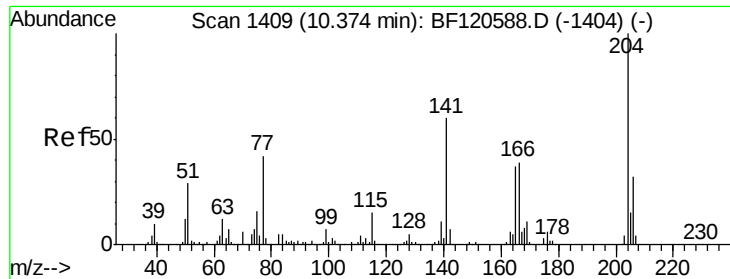
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

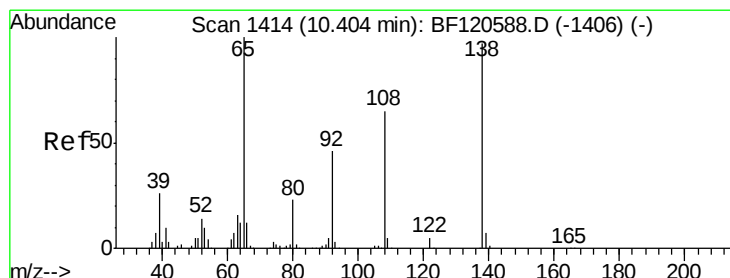
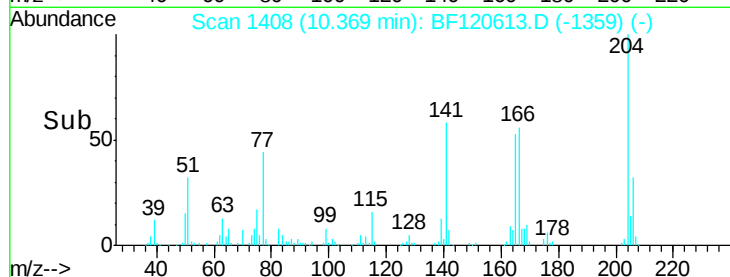
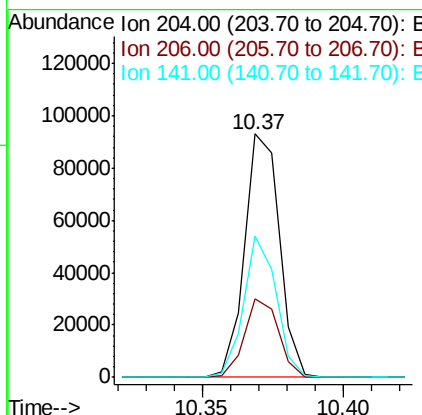
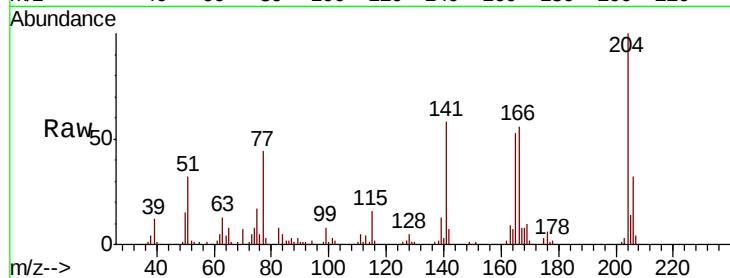




#61  
4-Chlorophenyl-phenylether  
Concen: 8.179 ng  
RT: 10.37 min Scan# 1408  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

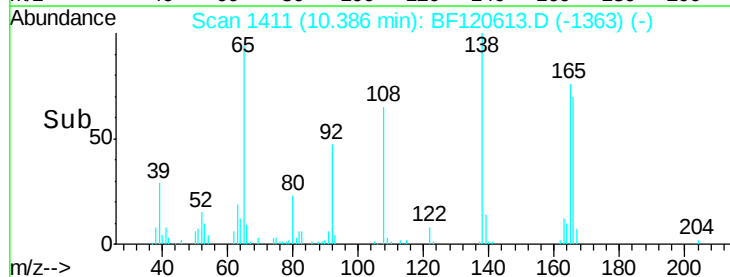
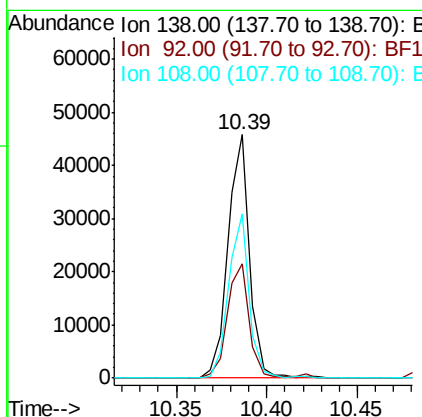
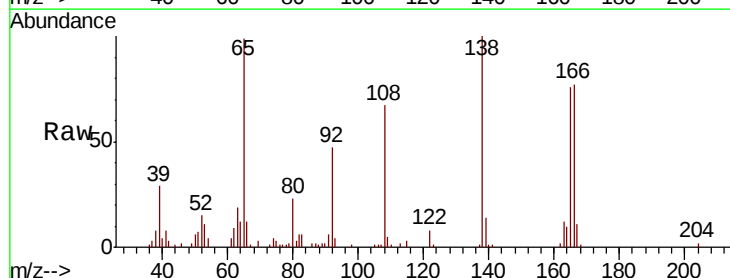
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

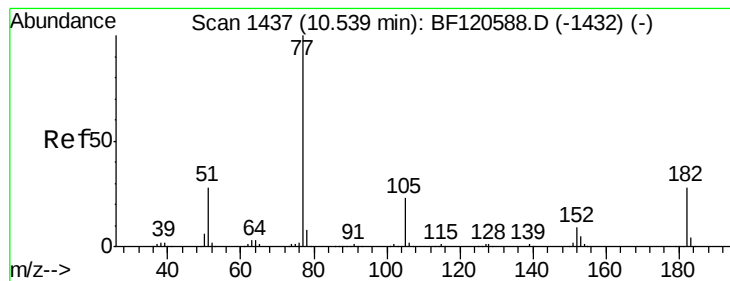
Tot Ion:204 Resp: 79648  
Ion Ratio Lower Upper  
204 100  
206 32.2 25.9 38.9  
141 57.9 47.6 71.4



#62  
4-Nitroaniline  
Concen: 6.855 ng  
RT: 10.39 min Scan# 1411  
Delta R.T. -0.02 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

Tgt Ion:138 Resp: 37867  
Ion Ratio Lower Upper  
138 100  
92 47.1 27.3 67.3  
108 67.2 47.4 87.4





#63

Azobenzene

Concen: 8.473 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 77 Resp: 154853

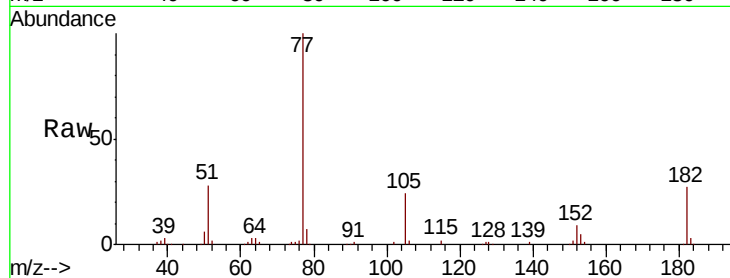
Ion Ratio Lower Upper

77 100

182 26.6 7.7 47.7

105 23.9 3.2 43.2

51 28.0 8.5 48.5

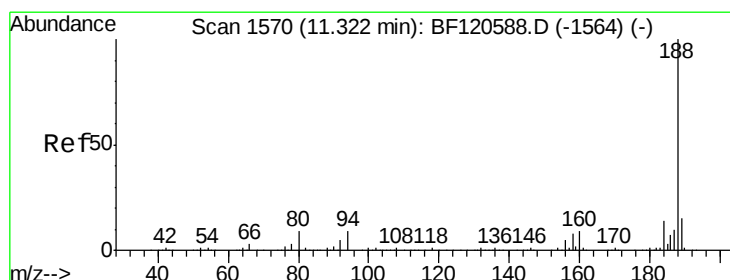
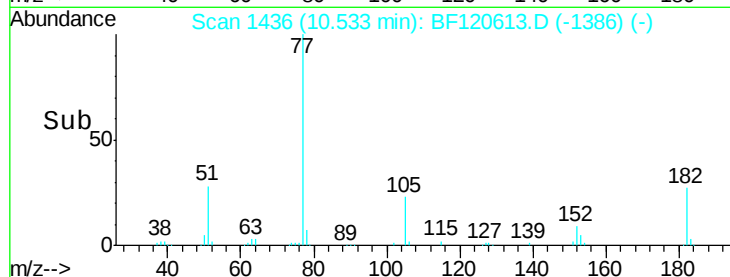
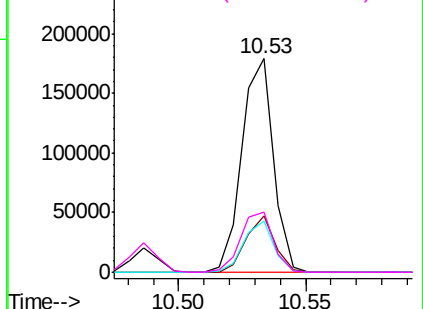


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

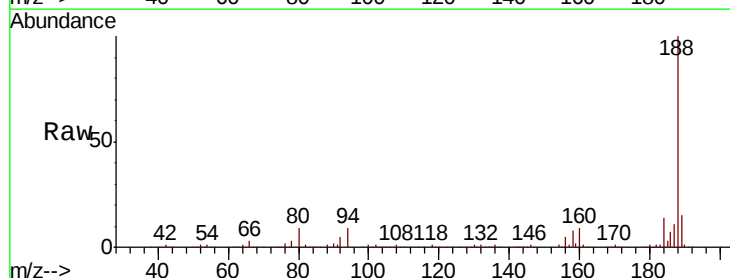
Tgt Ion: 188 Resp: 543813

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

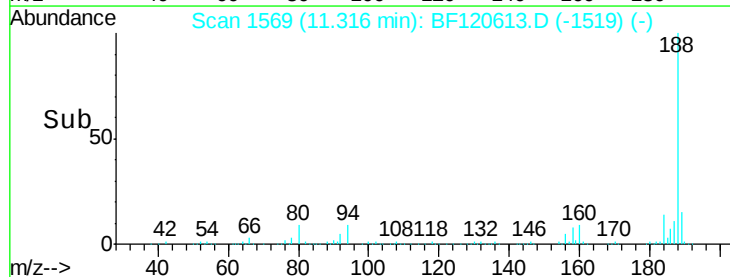
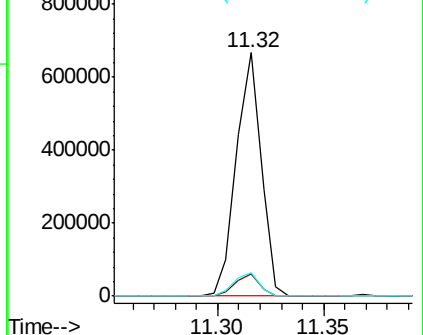
80 9.4 7.4 11.2

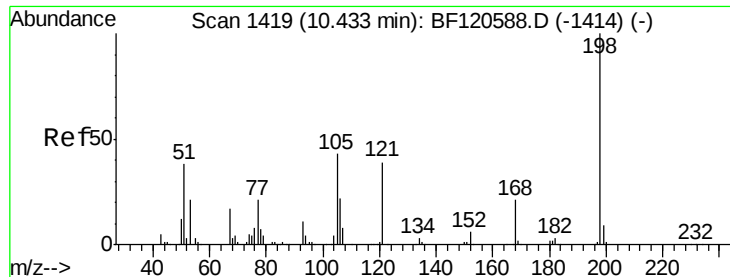


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

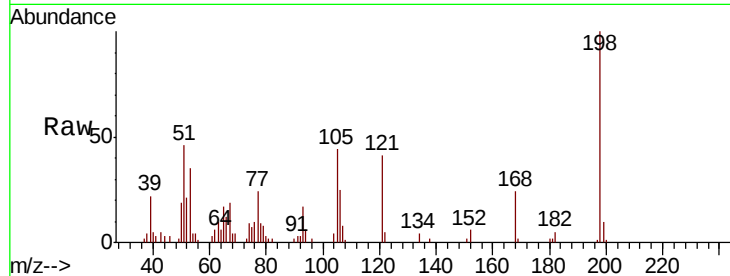




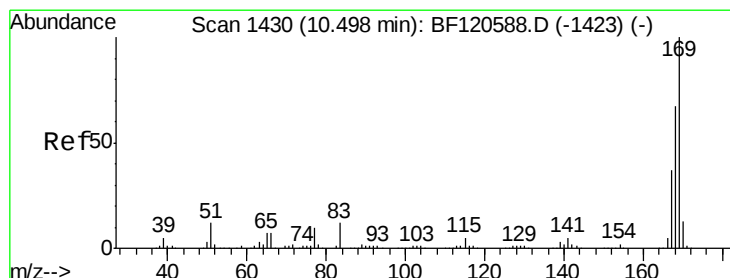
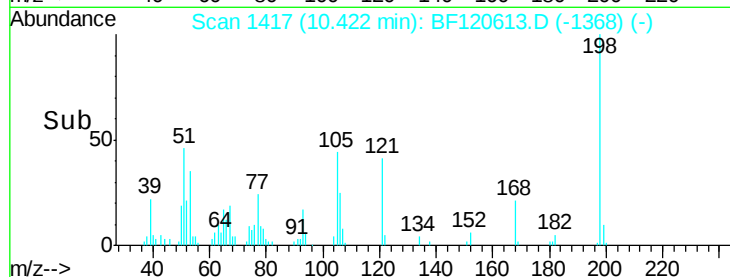
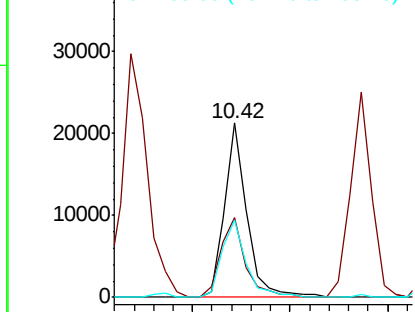
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.186 ng  
 RT: 10.42 min Scan# 1417  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

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

Tot Ion:198 Resp: 16923  
 Ion Ratio Lower Upper  
 198 100  
 51 45.5 24.8 64.8  
 105 44.3 23.9 63.9

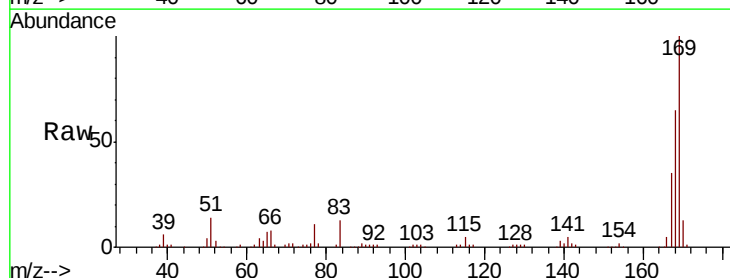


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

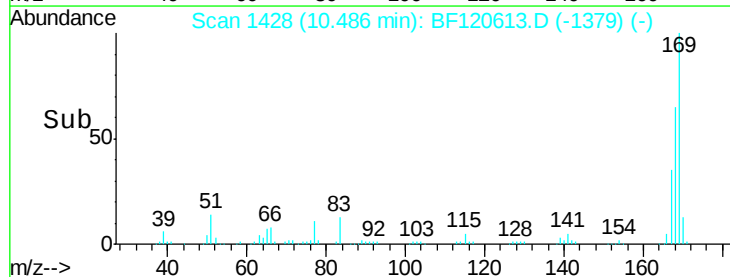
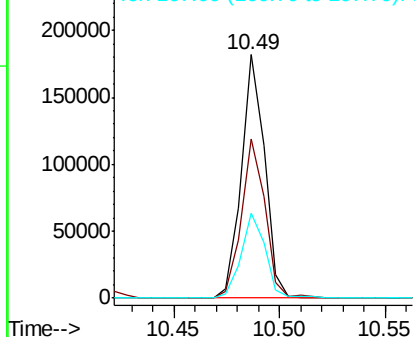


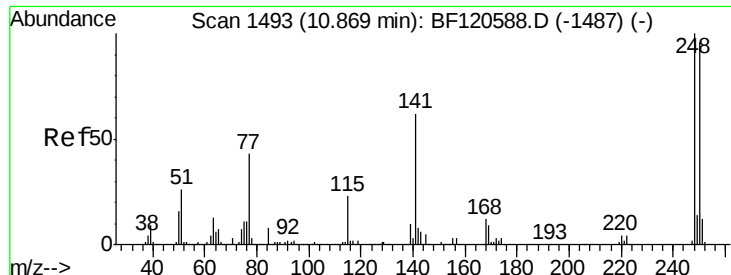
#66  
 n-Nitrosodiphenylamine  
 Concen: 8.247 ng  
 RT: 10.49 min Scan# 1428  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

Tgt Ion:169 Resp: 137722  
 Ion Ratio Lower Upper  
 169 100  
 168 65.1 53.7 80.5  
 167 34.8 29.9 44.9



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

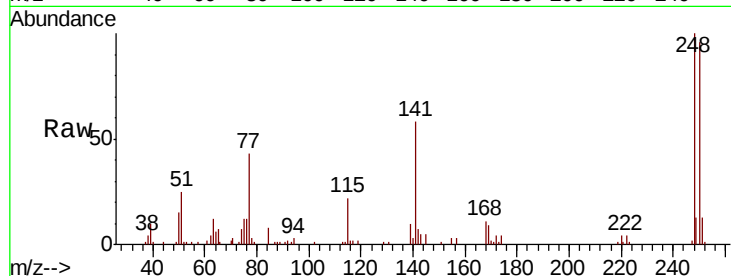




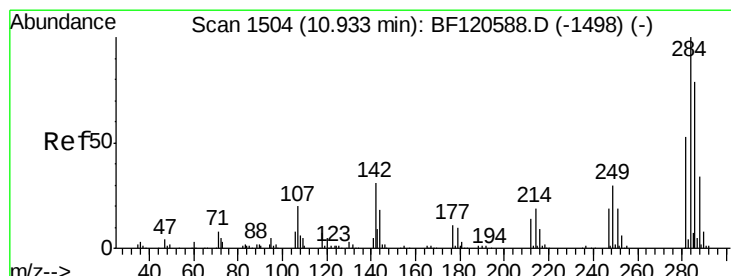
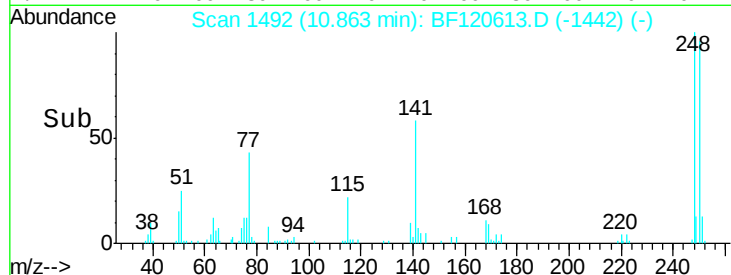
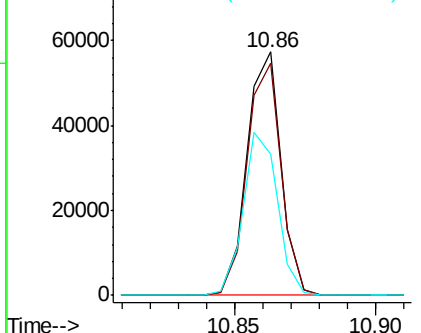
#67  
 4-Bromophenyl-phenylether  
 Concen: 7.748 ng  
 RT: 10.86 min Scan# 1492  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

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

Tot Ion:248 Resp: 47822  
 Ion Ratio Lower Upper  
 248 100  
 250 95.6 76.7 115.1  
 141 58.1 49.4 74.0

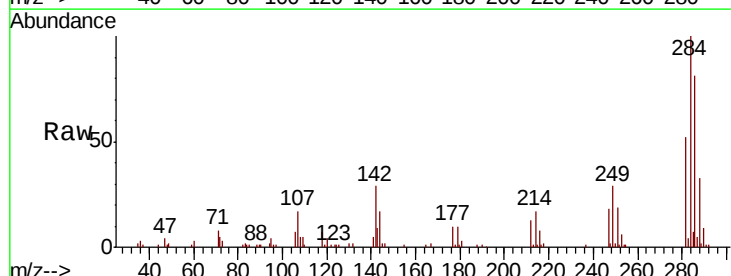


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

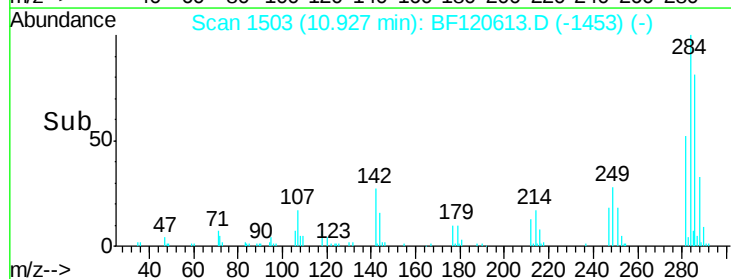
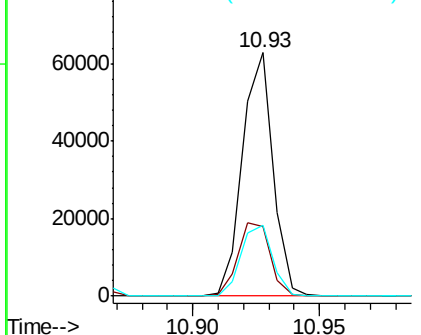


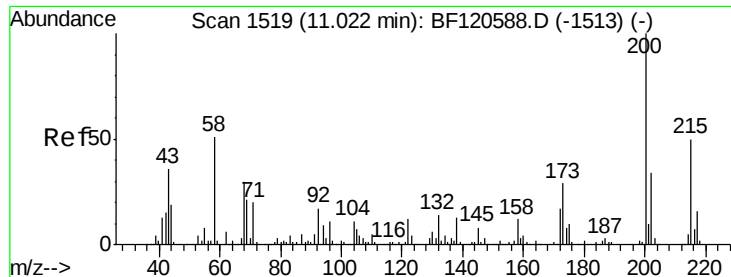
#68  
 Hexachlorobenzene  
 Concen: 7.947 ng  
 RT: 10.93 min Scan# 1503  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

Tgt Ion:284 Resp: 52732  
 Ion Ratio Lower Upper  
 284 100  
 142 28.7 25.1 37.7  
 249 29.0 24.0 36.0



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

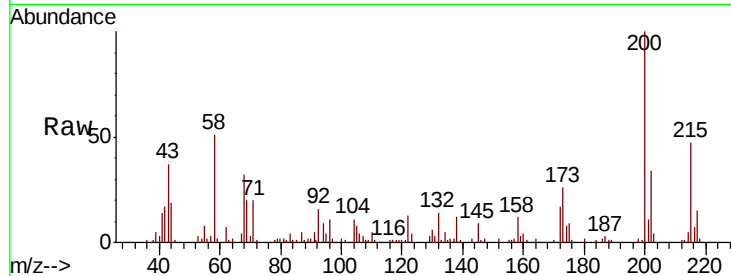




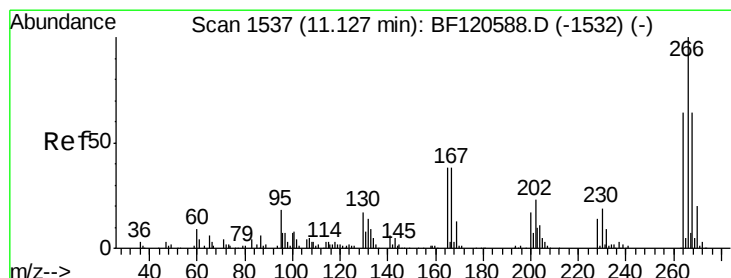
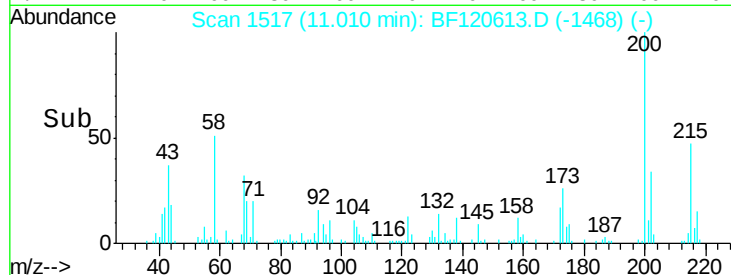
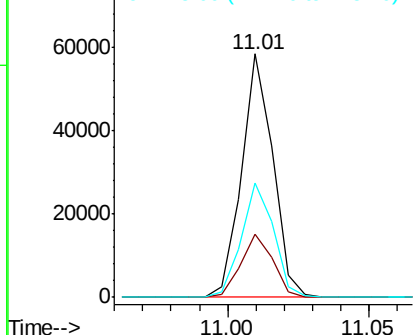
#69  
Atrazine  
Concen: 8.660 ng  
RT: 11.01 min Scan# 1517  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

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

Tot Ion:200 Resp: 44755  
Ion Ratio Lower Upper  
200 100  
173 26.1 9.1 49.1  
215 47.2 29.8 69.8

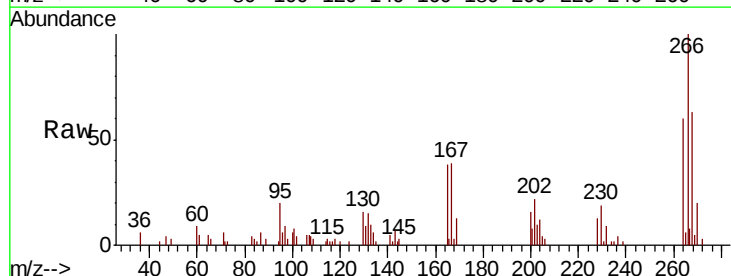


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

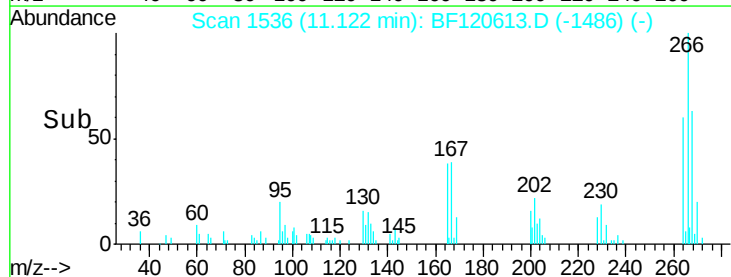
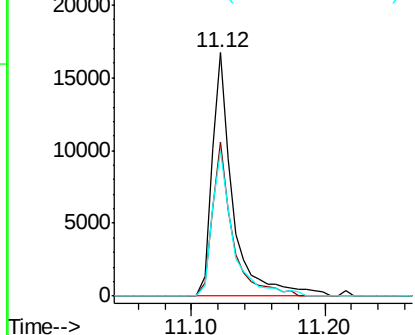


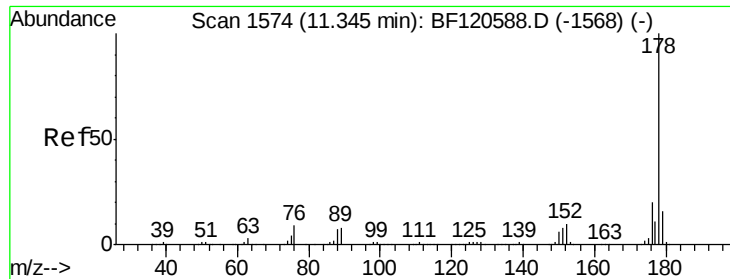
#70  
Pentachlorophenol  
Concen: 4.935 ng  
RT: 11.12 min Scan# 1536  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

Tgt Ion:266 Resp: 18207  
Ion Ratio Lower Upper  
266 100  
268 68.0 51.4 77.0  
264 59.8 50.8 76.2



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

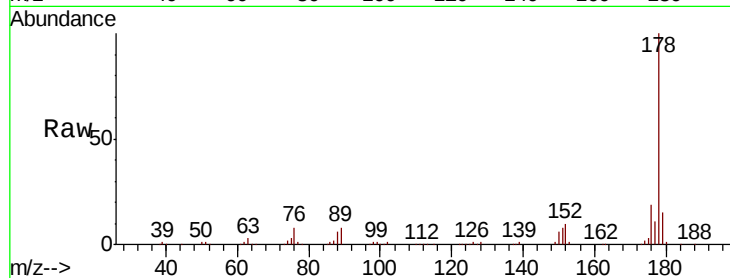




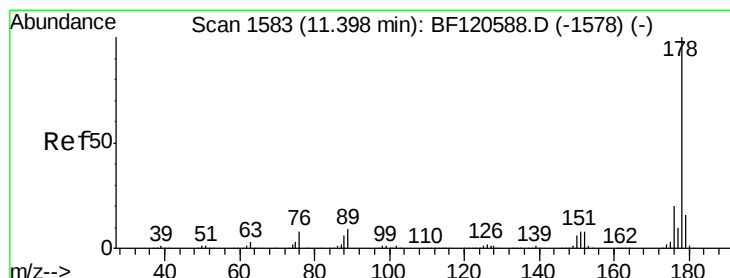
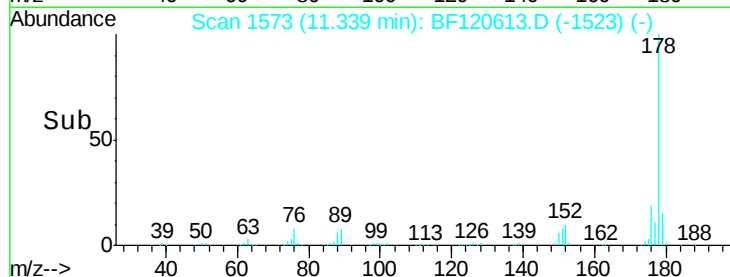
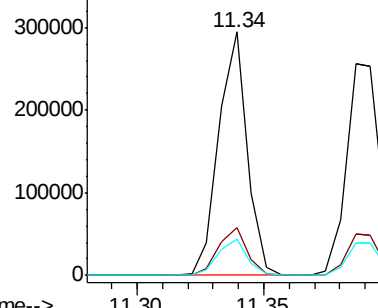
#71  
Phenanthrene  
Concen: 8.525 ng  
RT: 11.34 min Scan# 1573  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

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

Tot Ion:178 Resp: 230459  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.9 23.9  
179 15.1 12.8 19.2

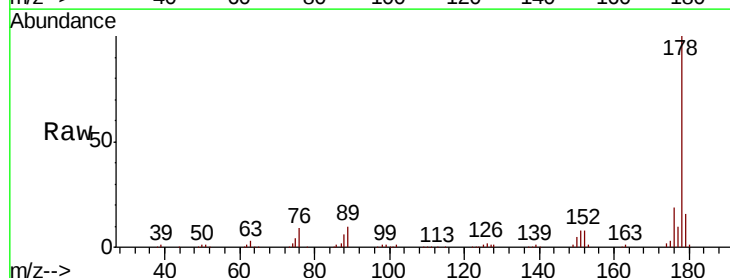


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

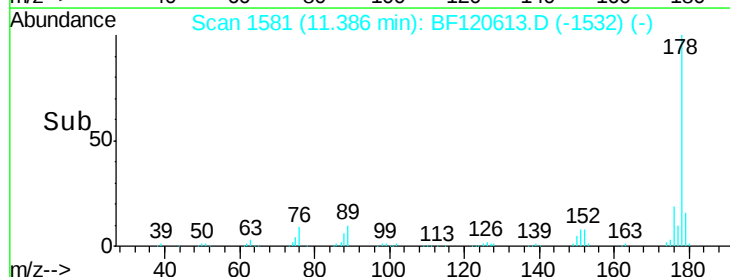
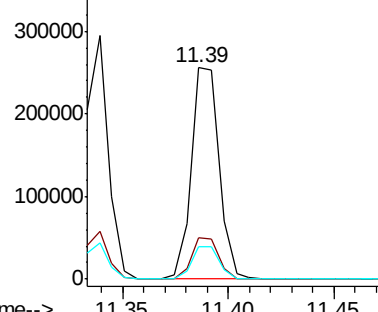


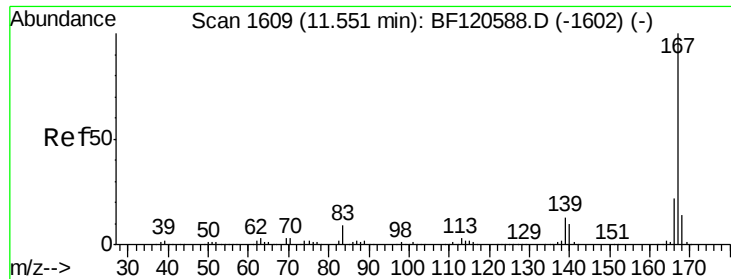
#72  
Anthracene  
Concen: 8.560 ng  
RT: 11.39 min Scan# 1581  
Delta R.T. -0.01 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

Tgt Ion:178 Resp: 233252  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.6 23.4  
179 15.5 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

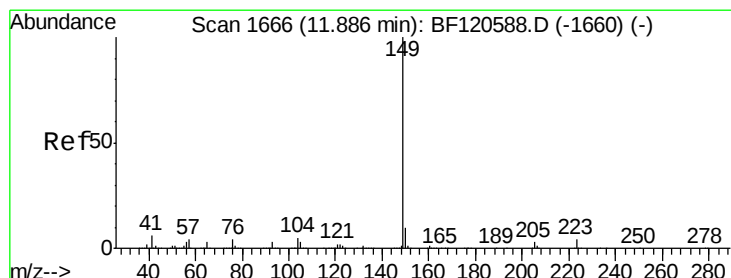
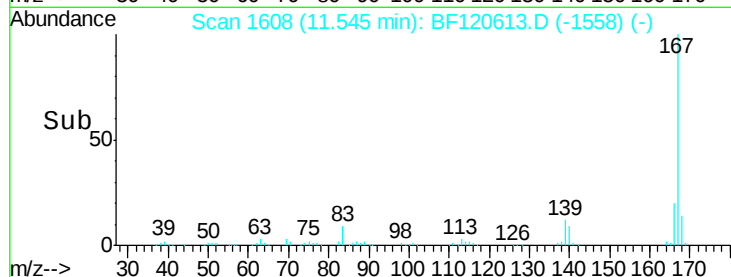
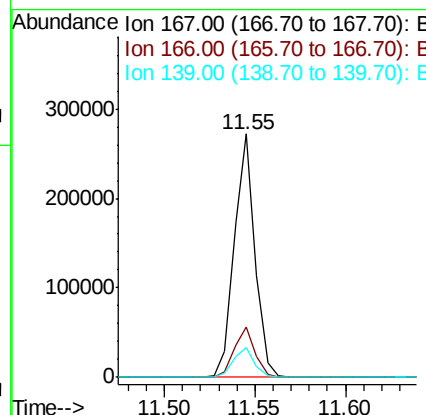
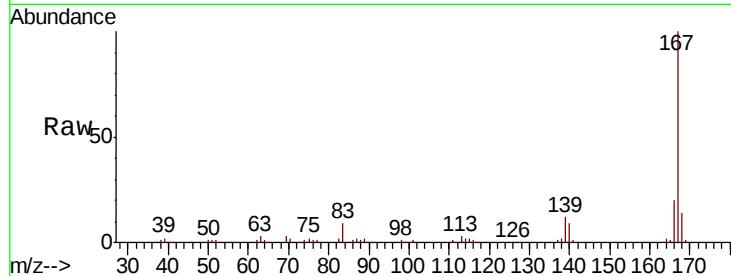




#73  
 Carbazole  
 Concen: 7.992 ng  
 RT: 11.55 min Scan# 1608  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

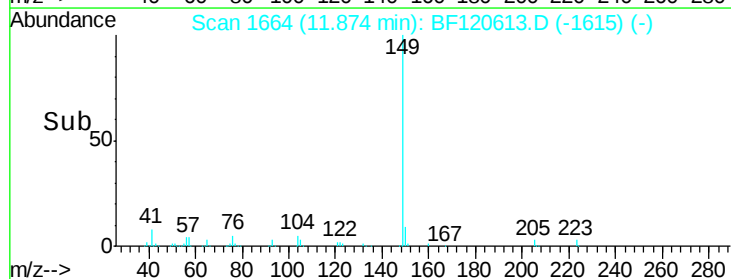
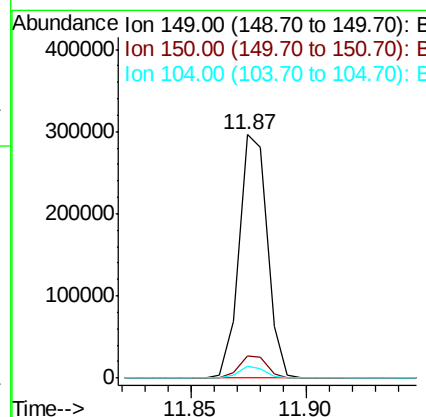
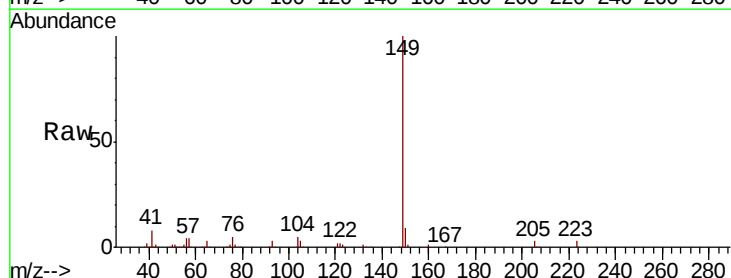
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

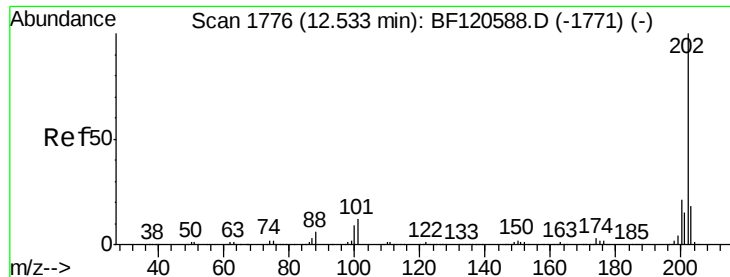
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 20.5  | 17.2  | 25.8  |
| 139     | 12.2  | 10.1  | 15.1  |



#74  
 Di-n-butylphthalate  
 Concen: 8.353 ng  
 RT: 11.87 min Scan# 1664  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 8.9   | 7.7   | 11.5  |
| 104     | 4.8   | 3.7   | 5.5   |

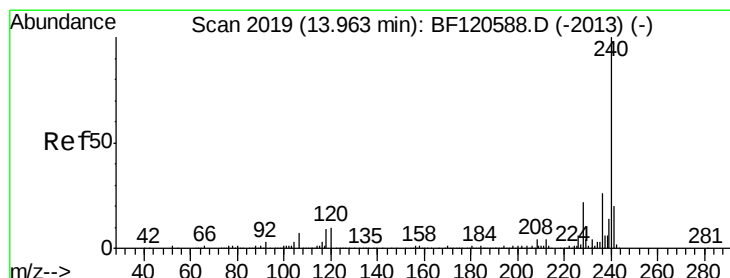
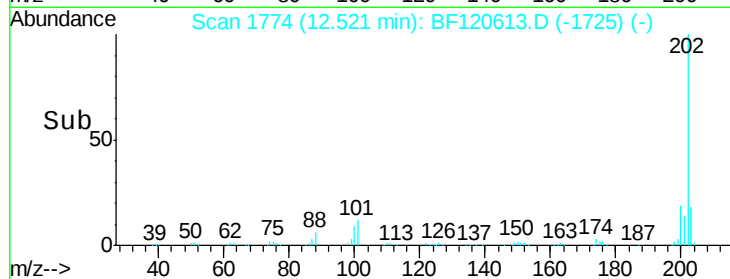
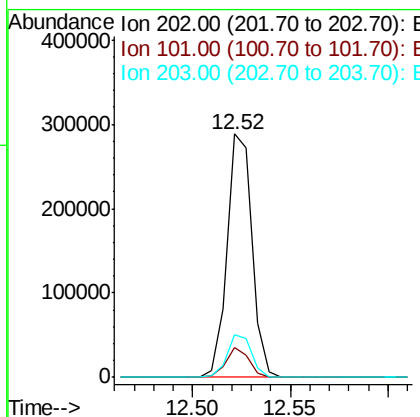
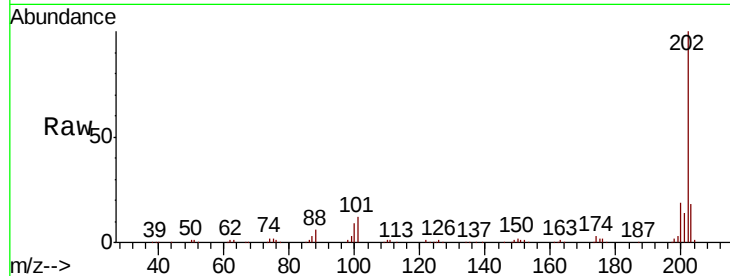




#75  
**Fluoranthene**  
 Concen: 8.248 ng  
 RT: 12.52 min Scan# 1774  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

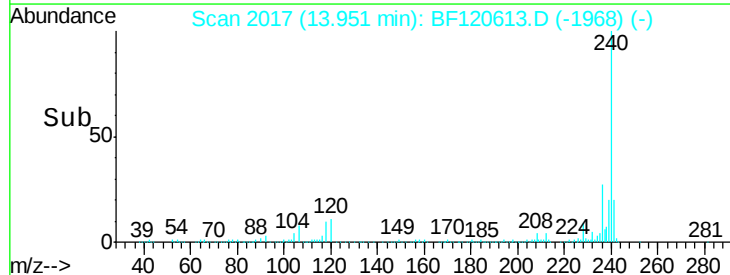
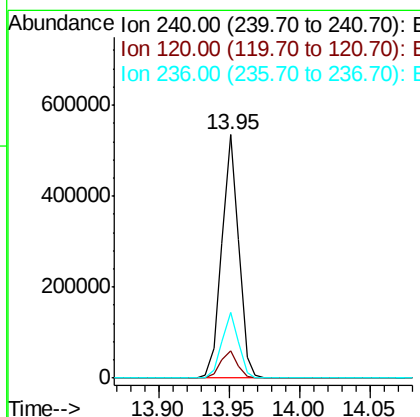
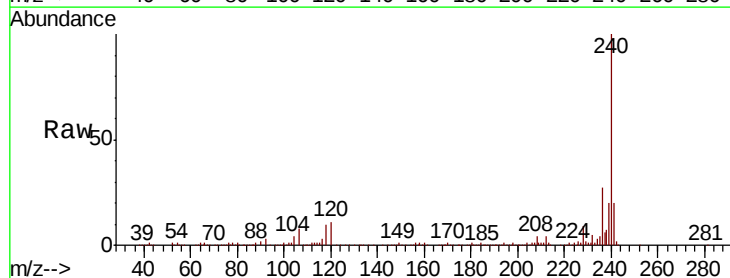
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

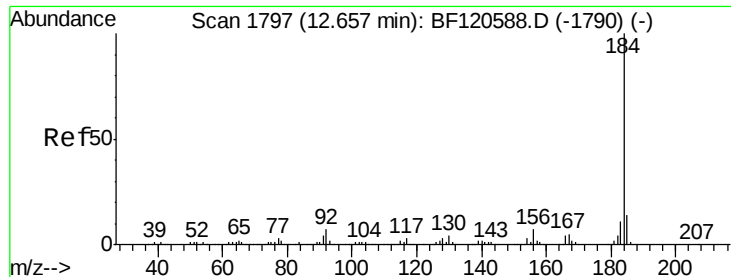
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.1  | 0.0   | 32.0  |
| 203     | 17.5  | 0.0   | 38.3  |



#76  
**Chrysene-d12**  
 Concen: 20.000 ng  
 RT: 13.95 min Scan# 2017  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.2  | 8.3   | 12.5  |
| 236     | 26.7  | 21.0  | 31.4  |





#77

Benzidine

Concen: 8.858 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

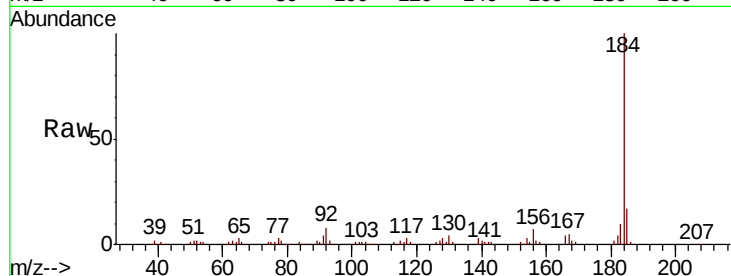
Tot Ion:184 Resp: 133718

Ion Ratio Lower Upper

184 100

185 16.7 11.4 17.0

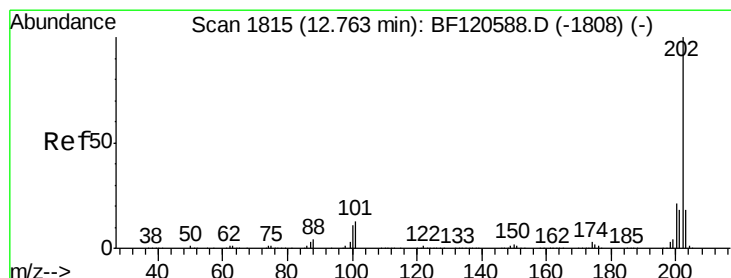
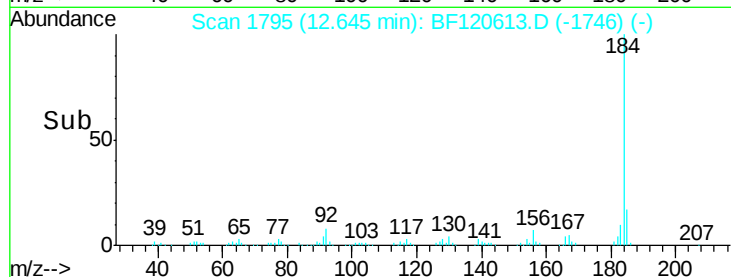
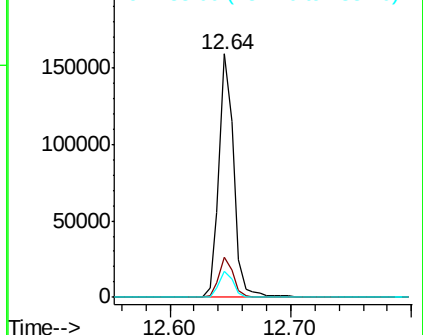
183 10.5 9.0 13.6



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: 8.292 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

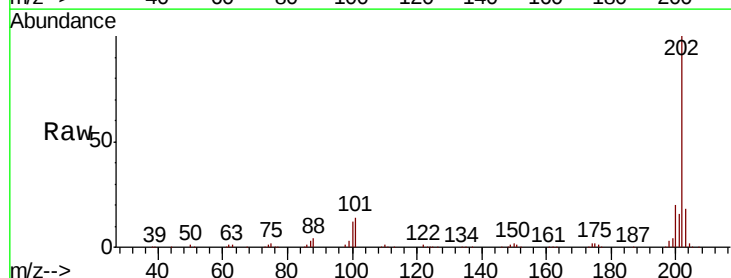
Tgt Ion:202 Resp: 262198

Ion Ratio Lower Upper

202 100

200 20.2 16.8 25.2

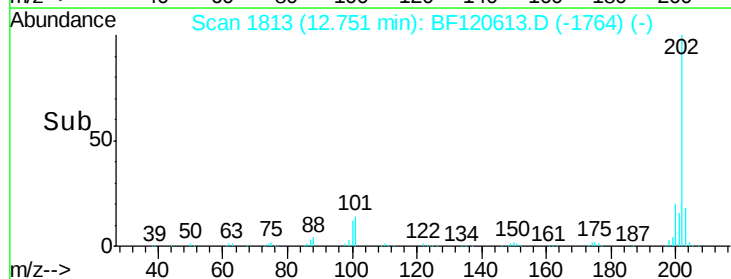
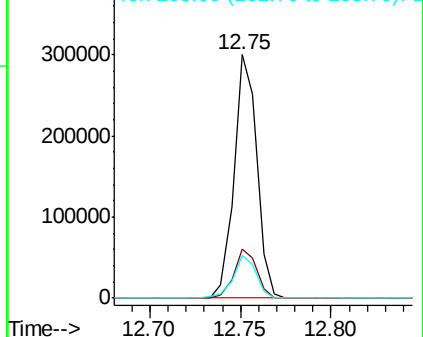
203 17.7 14.3 21.5



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: 99.856 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

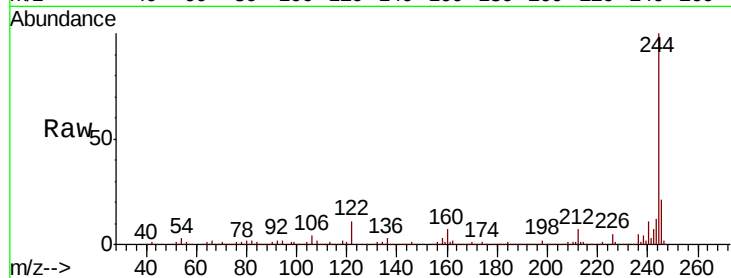
Tot Ion:244 Resp: 2017888

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

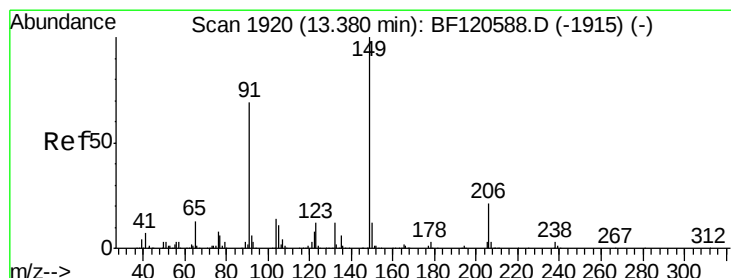
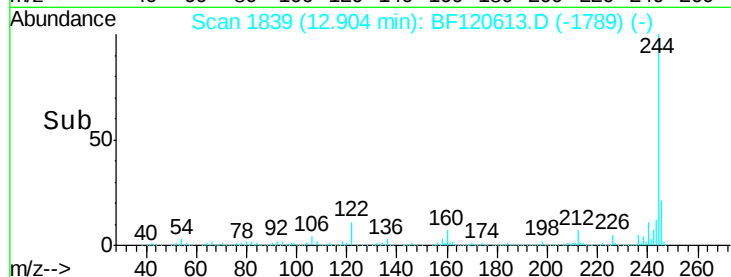
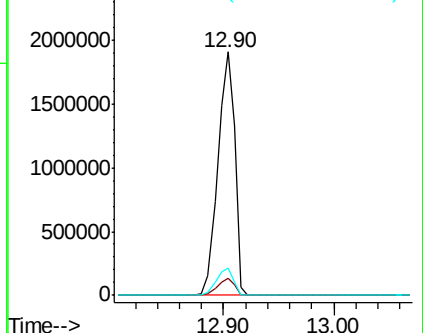
122 11.1 8.3 12.5



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: 7.255 ng

RT: 13.37 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

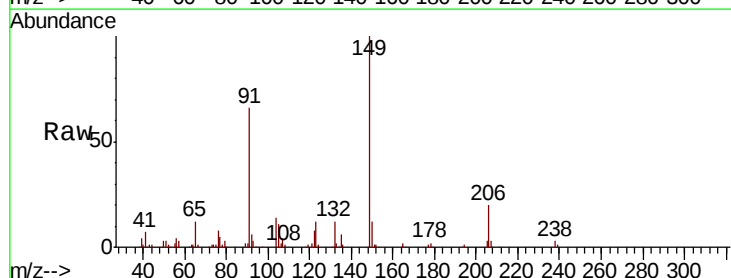
Tgt Ion:149 Resp: 101872

Ion Ratio Lower Upper

149 100

91 66.0 55.4 83.0

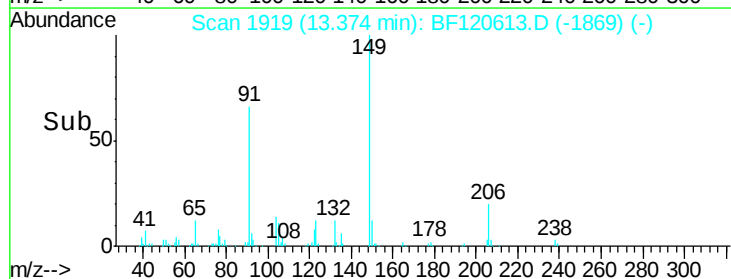
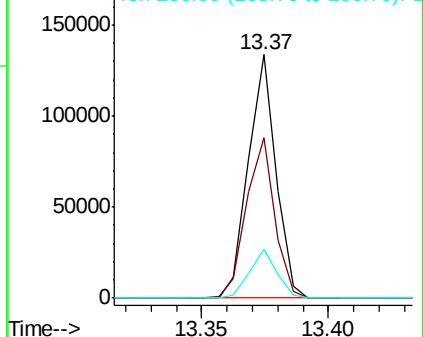
206 20.3 17.0 25.4



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: 8.842 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

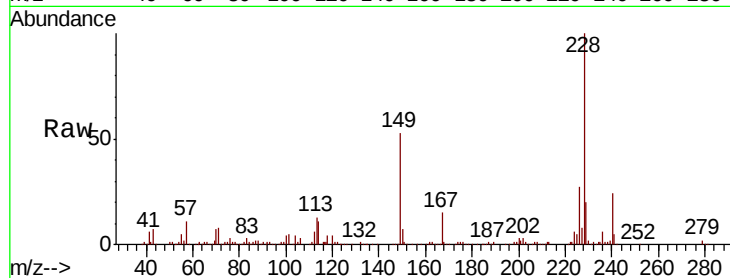
Tot Ion:228 Resp: 237131

Ion Ratio Lower Upper

228 100

226 27.1 22.5 33.7

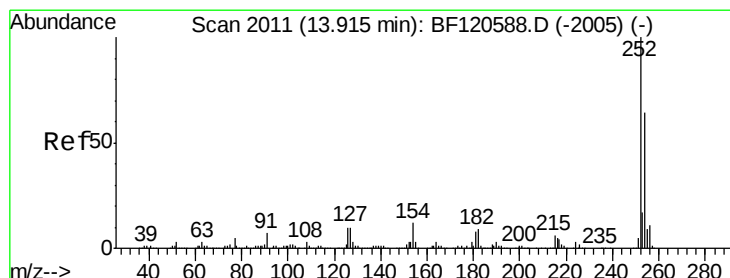
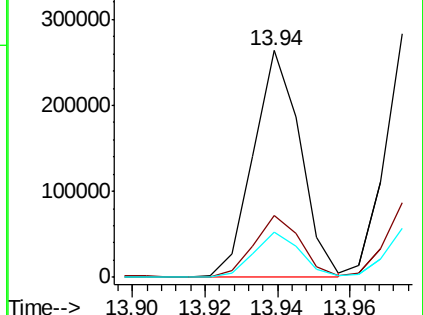
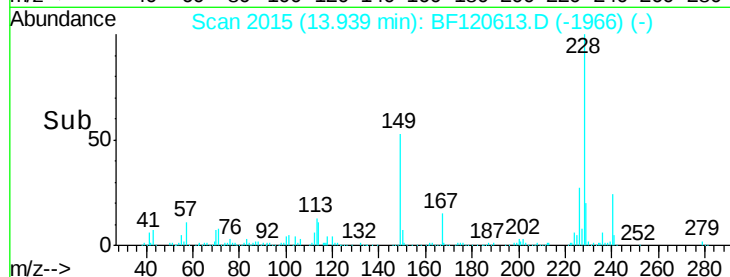
229 20.0 16.1 24.1



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



#82

3,3'-Dichlorobenzidine

Concen: 9.335 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

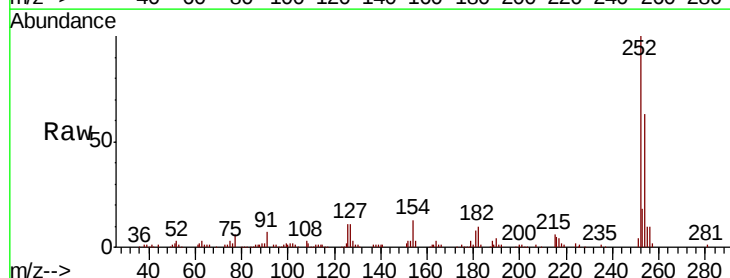
Tgt Ion:252 Resp: 95623

Ion Ratio Lower Upper

252 100

254 63.1 51.4 77.2

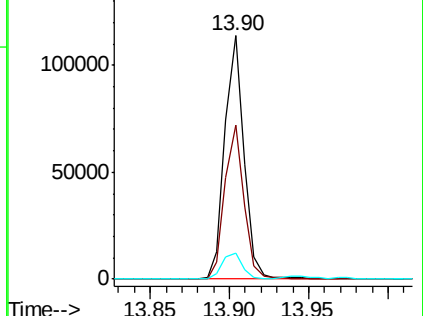
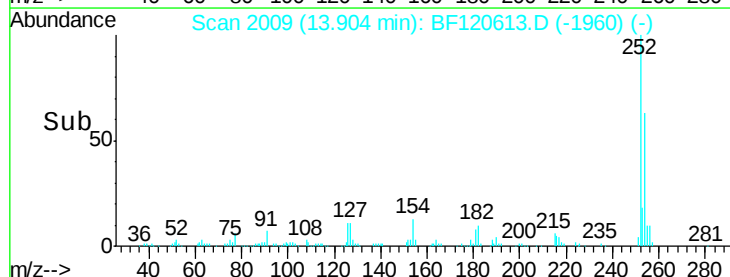
126 10.5 7.9 11.9

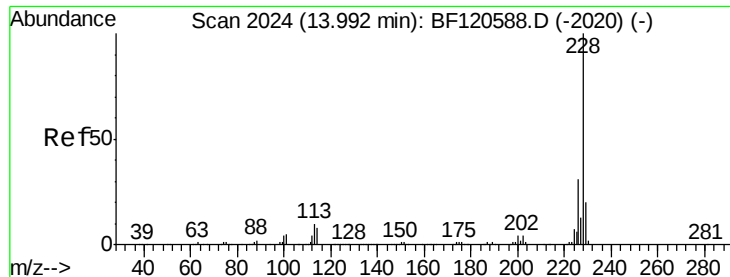


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

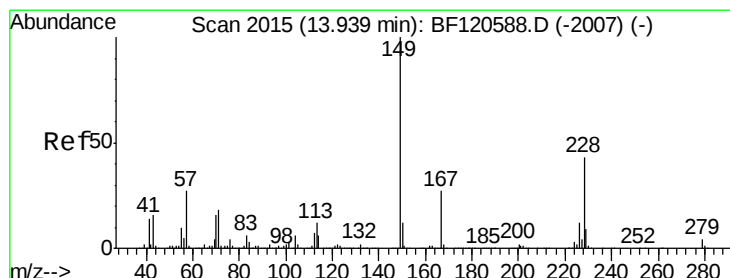
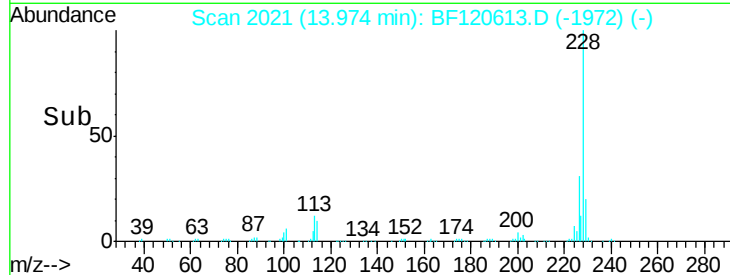
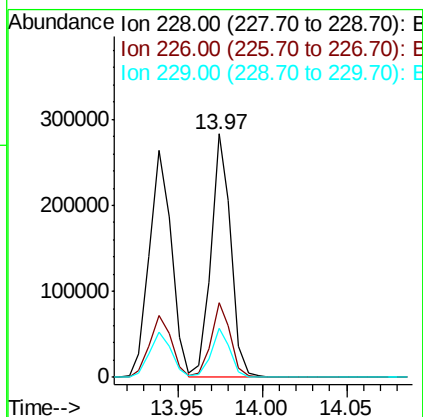
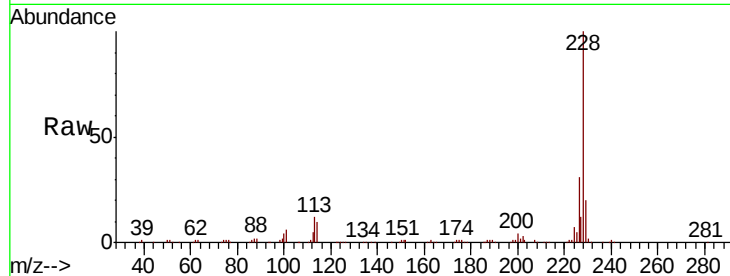




#83  
 Chrvsene  
 Concen: 8.458 ng  
 RT: 13.97 min Scan# 2021  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

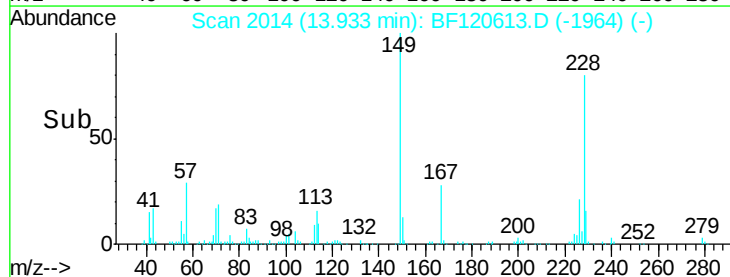
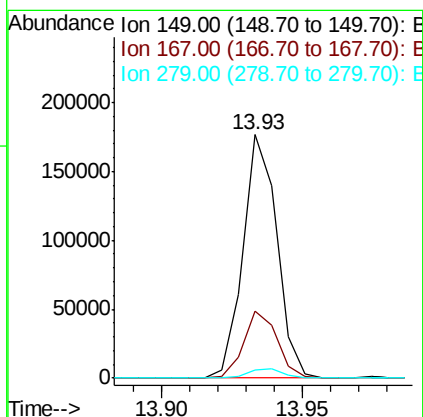
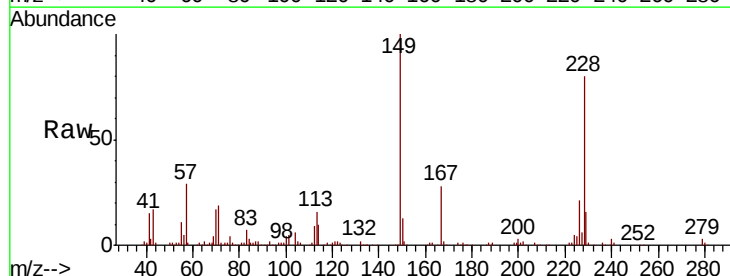
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:228 Resp: 232662  
 Ion Ratio Lower Upper  
 228 100  
 226 30.7 24.9 37.3  
 229 20.3 16.1 24.1



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 8.610 ng  
 RT: 13.93 min Scan# 2014  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

Tgt Ion:149 Resp: 147540  
 Ion Ratio Lower Upper  
 149 100  
 167 27.7 22.0 33.0  
 279 3.5 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 7.761 ng

RT: 14.54 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

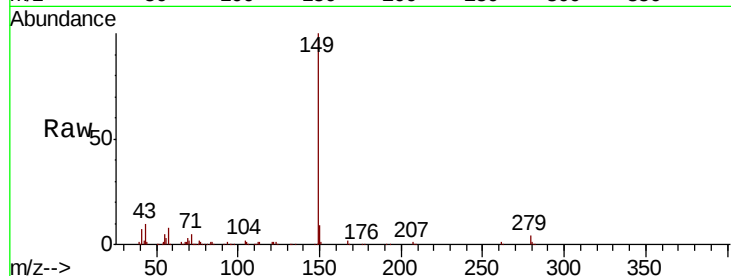
Tot Ion:149 Resp: 253805

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

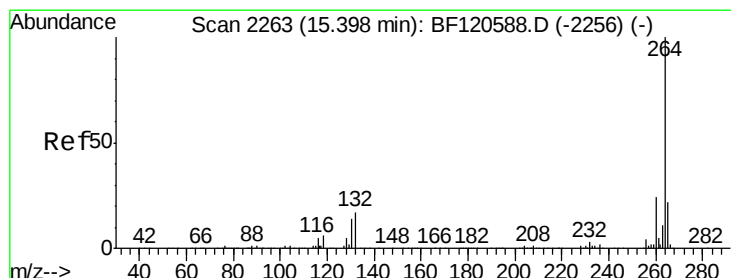
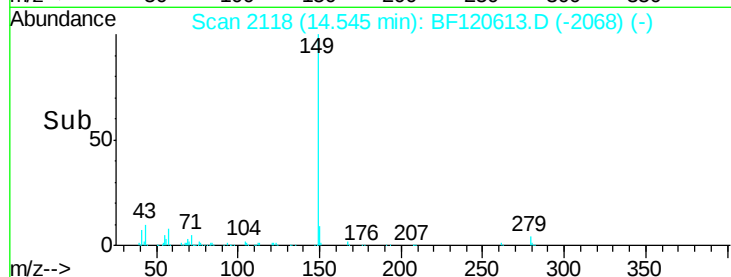
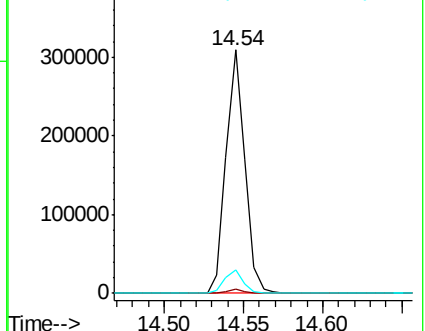
43 9.7 7.6 11.4



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: 15.39 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

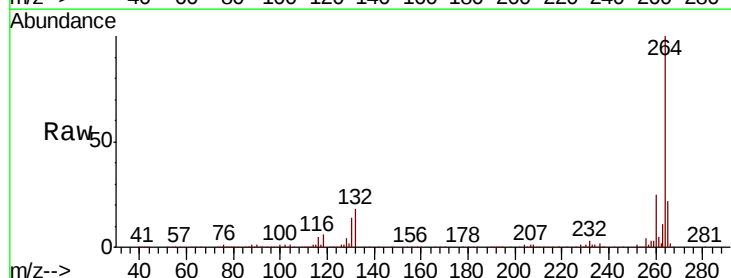
Tgt Ion:264 Resp: 505008

Ion Ratio Lower Upper

264 100

260 24.9 19.3 28.9

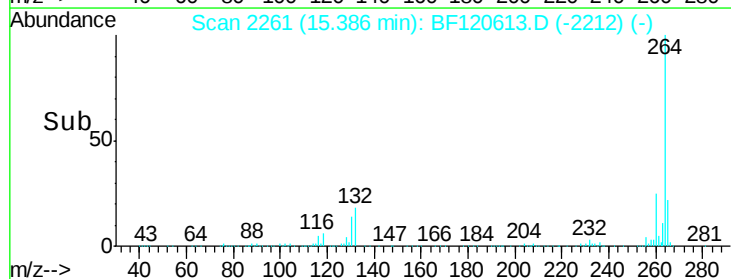
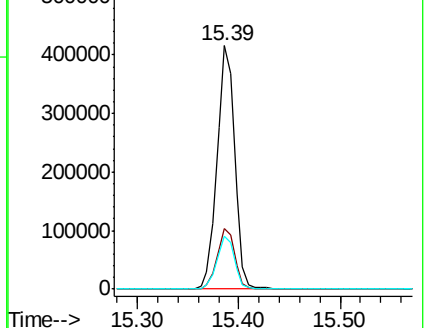
265 21.6 17.8 26.8

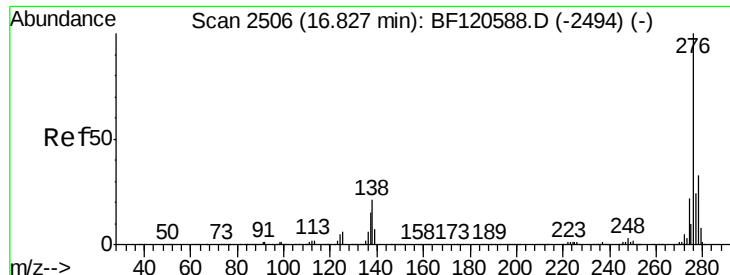


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

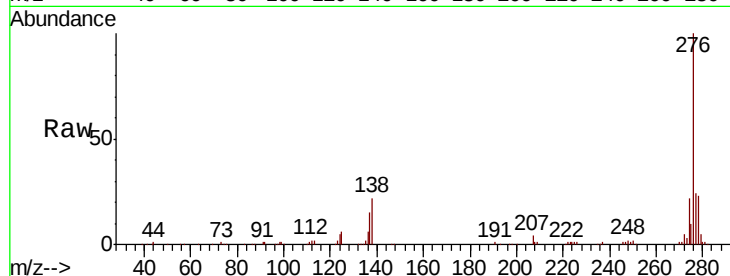




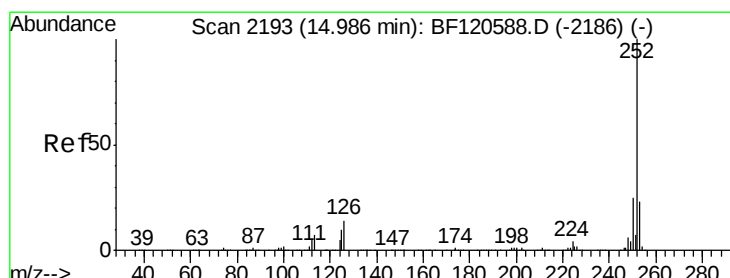
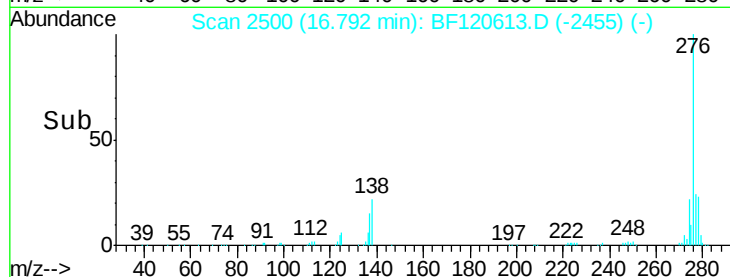
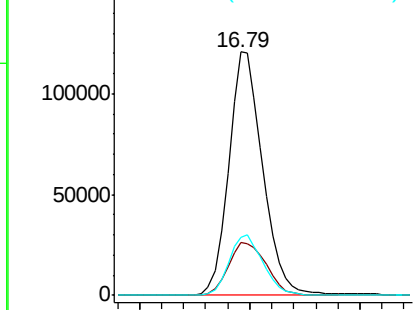
#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 8.445 ng  
 RT: 16.79 min Scan# 2500  
 Delta R.T. -0.04 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.4  | 18.9  | 28.3  |
| 277     | 25.0  | 20.2  | 30.2  |

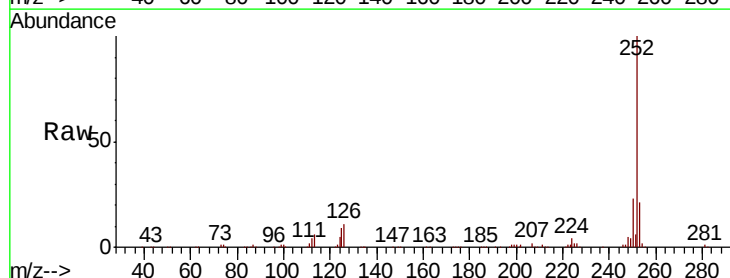


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

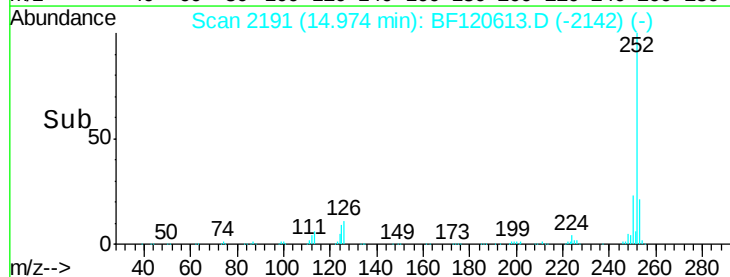
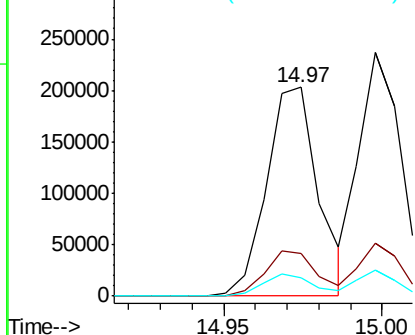


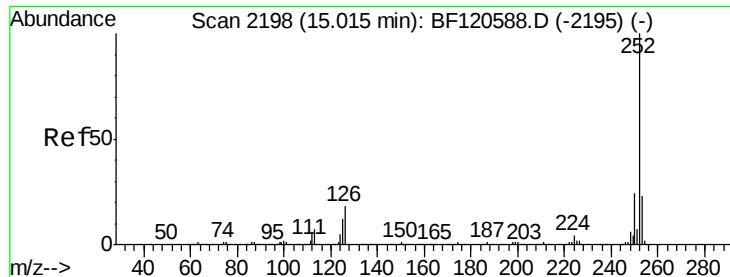
#88  
 Benzo(b)fluoranthene  
 Concen: 7.701 ng  
 RT: 14.97 min Scan# 2191  
 Delta R.T. -0.01 min  
 Lab File: BF120613.D  
 Acq: 12 Jun 2020 16:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 20.7  | 18.1  | 27.1  |
| 125     | 8.8   | 8.3   | 12.5  |



Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 253.00 (252.70 to 253.70): E  
 Ion 125.00 (124.70 to 125.70): E

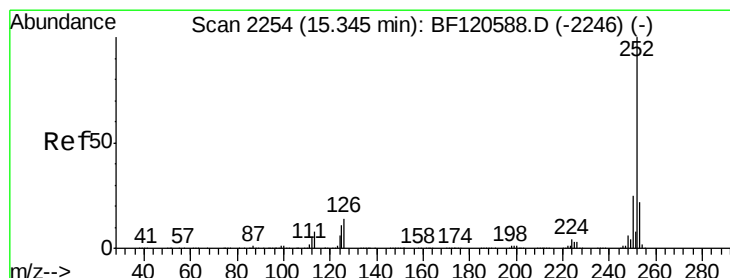
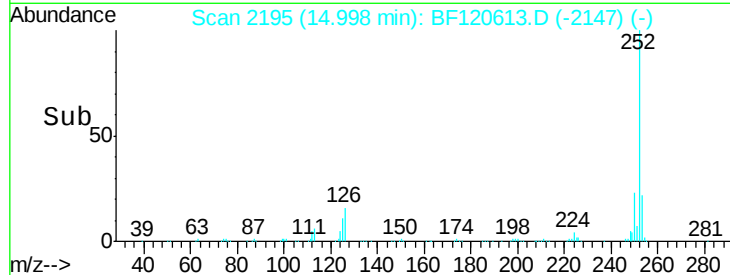
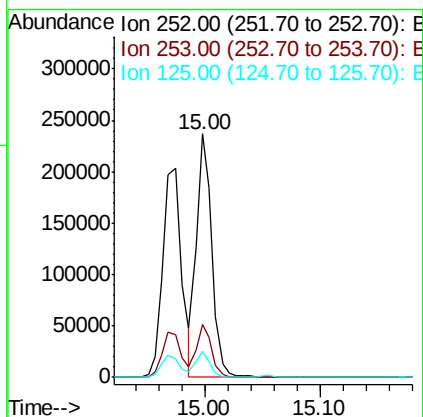
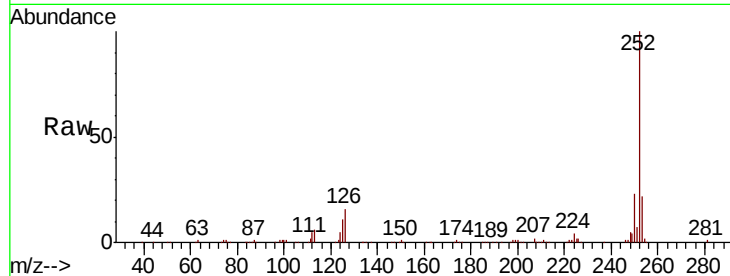




#89  
Benzo(k)fluoranthene  
Concen: 8.431 ng  
RT: 15.00 min Scan# 2195  
Delta R.T. -0.02 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

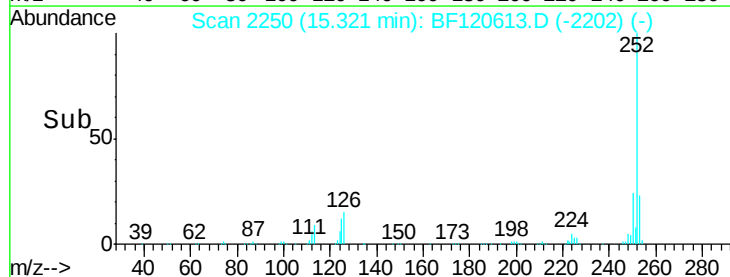
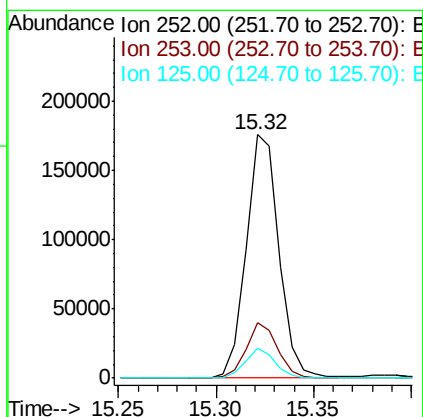
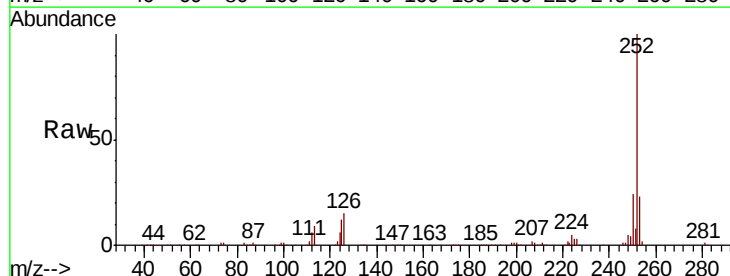
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

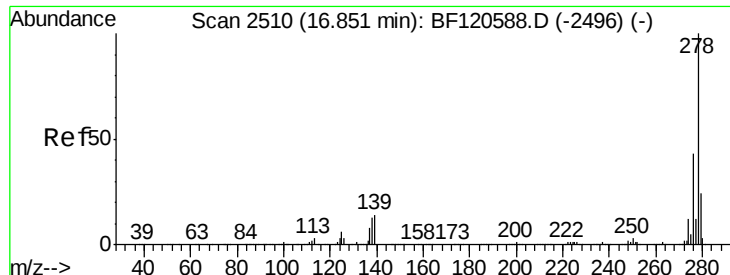
Tot Ion:252 Resp: 224410  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.0 27.0  
125 10.5 8.3 12.5



#90  
Benzo(a)pyrene  
Concen: 7.586 ng  
RT: 15.32 min Scan# 2250  
Delta R.T. -0.02 min  
Lab File: BF120613.D  
Acq: 12 Jun 2020 16:16

Tgt Ion:252 Resp: 204242  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.8 26.8  
125 12.2 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 8.944 ng

RT: 16.81 min Scan# 2503

Delta R.T. -0.04 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

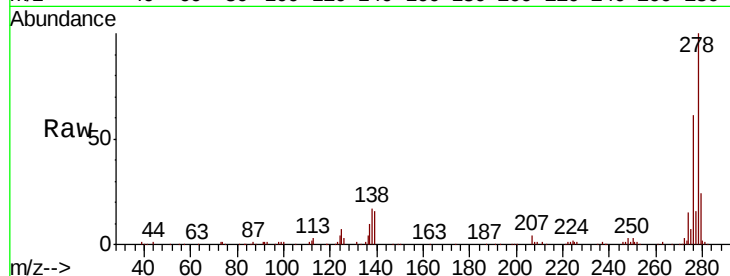
Tot Ion:278 Resp: 220322

Ion Ratio Lower Upper

278 100

139 15.7 11.4 17.2

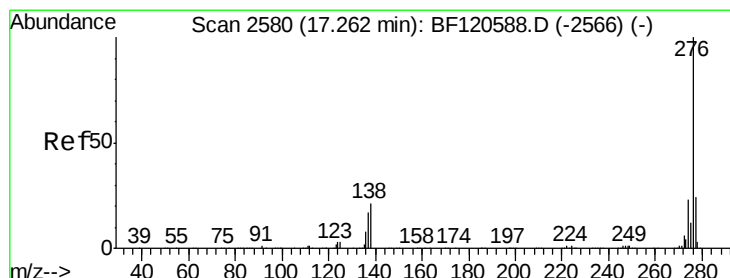
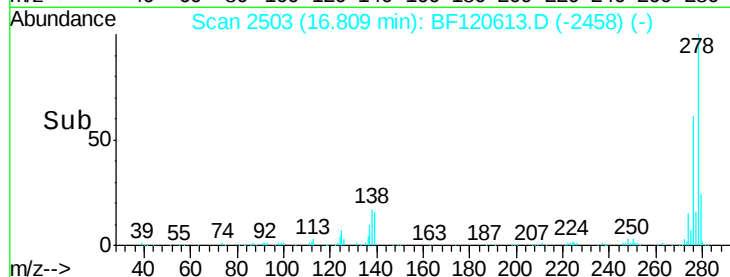
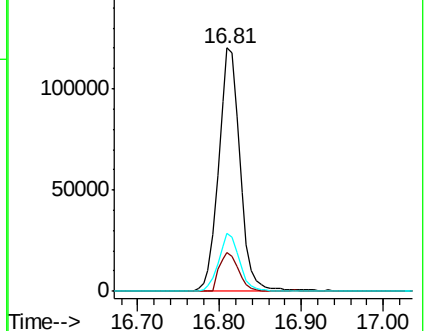
279 24.1 19.1 28.7



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: 8.856 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.04 min

Lab File: BF120613.D

Acq: 12 Jun 2020 16:16

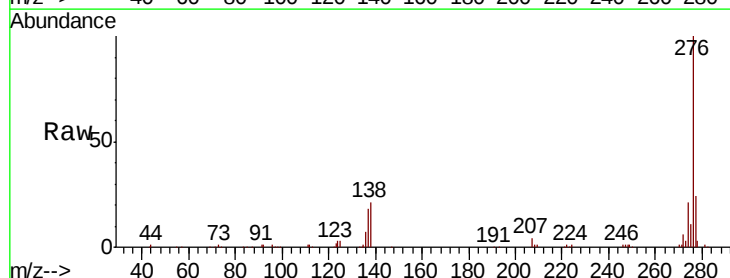
Tgt Ion:276 Resp: 219880

Ion Ratio Lower Upper

276 100

277 23.6 19.6 29.4

138 20.8 16.5 24.7



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

