

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\  
 Data File : BG045994.D  
 Acq On : 9 Jul 2020 14:35  
 Operator : CG/JU  
 Sample : L3216-03  
 Misc : MDL-SOIL-4PPM  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020

Quant Time: Jul 09 15:14:11 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 09 11:56:43 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.00  | 152  | 146144   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.81 | 136  | 594831   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.63 | 164  | 346221   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.37 | 188  | 710700   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.63 | 240  | 648286   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.78 | 264  | 630548   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.58  | 112 | 1235344 | 137.08 | ng | 0.00 |
| 7) Phenol-d6             | 7.16  | 99  | 1724578 | 132.92 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.16  | 82  | 858121  | 83.03  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.11 | 330 | 463505  | 144.25 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.26 | 172 | 1631270 | 73.49  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.98 | 244 | 1706668 | 58.59  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.52  | 88  | 17244  | 4.147 | ng | 98     |
| 3) Pyridine                    | 3.91  | 79  | 38799  | 3.086 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.82  | 42  | 15264  | 3.591 | ng | # 81   |
| 6) Aniline                     | 7.33  | 93  | 62264  | 3.751 | ng | 97     |
| 8) 2-Chlorophenol              | 7.57  | 128 | 35302  | 3.639 | ng | 92     |
| 9) Benzaldehyde                | 7.15  | 77  | 43528  | 5.295 | ng | 88     |
| 10) Phenol                     | 7.19  | 94  | 48413  | 3.720 | ng | 88     |
| 11) bis(2-Chloroethyl)ether    | 7.43  | 93  | 40305  | 3.745 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 7.90  | 146 | 40830  | 3.651 | ng | 93     |
| 13) 1,4-Dichlorobenzene        | 8.04  | 146 | 40885  | 3.717 | ng | 91     |
| 14) 1,2-Dichlorobenzene        | 8.36  | 146 | 37961  | 3.586 | ng | 97     |
| 15) Benzyl Alcohol             | 8.23  | 79  | 33572  | 3.300 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54  | 45  | 50161  | 3.572 | ng | 95     |
| 17) 2-Methylphenol             | 8.44  | 107 | 31682  | 3.244 | ng | 96     |
| 18) Hexachloroethane           | 9.09  | 117 | 15826  | 3.739 | ng | 86     |
| 19) n-Nitroso-di-n-propylamine | 8.80  | 70  | 33768  | 3.705 | ng | 98     |
| 20) 3+4-Methylphenols          | 8.76  | 107 | 42501  | 3.193 | ng | 97     |
| 22) Acetophenone               | 8.82  | 105 | 59865  | 3.767 | ng | # 98   |
| 24) Nitrobenzene               | 9.20  | 77  | 48608  | 4.261 | ng | # 97   |
| 25) Isophorone                 | 9.72  | 82  | 86799  | 3.440 | ng | 99     |
| 26) 2-Nitrophenol              | 9.91  | 139 | 12909  | 3.472 | ng | 89     |
| 27) 2,4-Dimethylphenol         | 9.97  | 122 | 31309  | 3.487 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93  | 51776  | 3.655 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.44 | 162 | 28505  | 3.066 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.66 | 180 | 34729  | 3.372 | ng | 98     |
| 31) Naphthalene                | 10.85 | 128 | 119988 | 3.763 | ng | 96     |
| 32) Benzoic acid               | 10.01 | 122 | 4286   | 0.881 | ng | 94     |
| 33) 4-Chloroaniline            | 10.95 | 127 | 46397  | 3.256 | ng | 98     |
| 34) Hexachlorobutadiene        | 11.16 | 225 | 19256  | 3.202 | ng | 98     |
| 35) Caprolactam                | 11.69 | 113 | 10404  | 2.948 | ng | # 86   |
| 36) 4-Chloro-3-methylphenol    | 12.07 | 107 | 31498  | 2.975 | ng | # 89   |
| 37) 2-Methylnaphthalene        | 12.46 | 142 | 83045  | 3.664 | ng | 97     |
| 38) 1-Methylnaphthalene        | 12.67 | 142 | 80736  | 3.774 | ng | 94     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 37437  | 3.836 | ng | 96     |

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 Misc : MDL-SOIL-4PPM  
 ALS Vial : 9 Sample Multiplier: 1

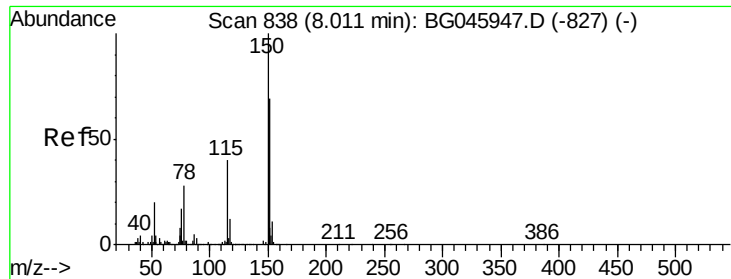
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020

Quant Time: Jul 09 15:14:11 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 09 11:56:43 2020  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.81 | 237  | 19881    | 3.433 | ng    | 92       |
| 43) 2,4,6-Trichlorophenol      | 13.06 | 196  | 20406    | 3.092 | ng    | 94       |
| 44) 2,4,5-Trichlorophenol      | 13.13 | 196  | 22277    | 2.985 | ng    | # 95     |
| 46) 1,1'-Biphenyl              | 13.46 | 154  | 107413   | 4.124 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.50 | 162  | 75167    | 3.658 | ng    | 98       |
| 48) 2-Nitroaniline             | 13.69 | 65   | 18930    | 3.936 | ng    | 97       |
| 49) Acenaphthylene             | 14.35 | 152  | 128442   | 3.874 | ng    | 95       |
| 50) Dimethylphthalate          | 14.08 | 163  | 90832    | 3.496 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.19 | 165  | 15866    | 3.935 | ng    | 87       |
| 52) Acenaphthene               | 14.69 | 154  | 73451    | 3.512 | ng    | 93       |
| 53) 3-Nitroaniline             | 14.51 | 138  | 16948    | 3.392 | ng    | # 95     |
| 54) 2,4-Dinitrophenol          | 14.72 | 184  | 2416     | 1.699 | ng    | # 74     |
| 55) Dibenzofuran               | 15.02 | 168  | 116013   | 3.784 | ng    | 99       |
| 56) 4-Nitrophenol              | 14.81 | 139  | 12331    | 2.913 | ng    | 88       |
| 57) 2,4-Dinitrotoluene         | 14.97 | 165  | 19402    | 3.895 | ng    | 89       |
| 58) Fluorene                   | 15.68 | 166  | 93793    | 3.730 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.25 | 232  | 18853    | 3.272 | ng    | 94       |
| 60) Diethylphthalate           | 15.45 | 149  | 93362    | 3.426 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.67 | 204  | 44218    | 3.534 | ng    | 98       |
| 62) 4-Nitroaniline             | 15.67 | 138  | 18409    | 3.428 | ng    | 93       |
| 63) Azobenzene                 | 15.96 | 77   | 111786   | 3.822 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 15.74 | 198  | 5124     | 2.462 | ng    | 96       |
| 66) n-Nitrosodiphenylamine     | 15.88 | 169  | 79854    | 3.626 | ng    | 95       |
| 67) 4-Bromophenyl-phenylether  | 16.57 | 248  | 26478    | 3.336 | ng    | 90       |
| 68) Hexachlorobenzene          | 16.68 | 284  | 28622    | 3.593 | ng    | 96       |
| 69) Atrazine                   | 16.83 | 200  | 25746    | 3.954 | ng    | 97       |
| 70) Pentachlorophenol          | 17.02 | 266  | 9884     | 2.232 | ng    | 96       |
| 71) Phenanthrene               | 17.50 | 178  | 146966   | 3.912 | ng    | 96       |
| 72) Anthracene                 | 17.50 | 178  | 146966   | 3.854 | ng    | 95       |
| 73) Carbazole                  | 17.76 | 167  | 134617   | 3.522 | ng    | 96       |
| 74) Di-n-butylphthalate        | 18.34 | 149  | 157517   | 3.411 | ng    | # 95     |
| 75) Fluoranthene               | 19.42 | 202  | 166600   | 3.836 | ng    | 93       |
| 77) Benzidine                  | 19.59 | 184  | 74322    | 4.010 | ng    | 100      |
| 78) Pyrene                     | 19.78 | 202  | 172971   | 3.909 | ng    | 95       |
| 80) Butylbenzylphthalate       | 20.67 | 149  | 60833    | 2.909 | ng    | 97       |
| 81) Benzo(a)anthracene         | 21.60 | 228  | 157437   | 3.693 | ng    | 92       |
| 82) 3,3'-Dichlorobenzidine     | 21.52 | 252  | 53112    | 3.372 | ng    | 95       |
| 83) Chrysene                   | 21.67 | 228  | 146005   | 3.595 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149  | 94594    | 3.116 | ng    | # 92     |
| 85) Di-n-octyl phthalate       | 22.75 | 149  | 148199   | 2.813 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene     | 28.34 | 276  | 159305   | 3.453 | ng    | # 91     |
| 88) Benzo(b)fluoranthene       | 23.78 | 252  | 144852   | 3.619 | ng    | 97       |
| 89) Benzo(k)fluoranthene       | 23.85 | 252  | 147839   | 3.906 | ng    | 99       |
| 90) Benzo(a)pyrene             | 24.63 | 252  | 133564   | 3.549 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 28.42 | 278  | 135468   | 3.641 | ng    | 94       |
| 92) Benzo(g,h,i)perylene       | 29.45 | 276  | 135621   | 3.622 | ng    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 837

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

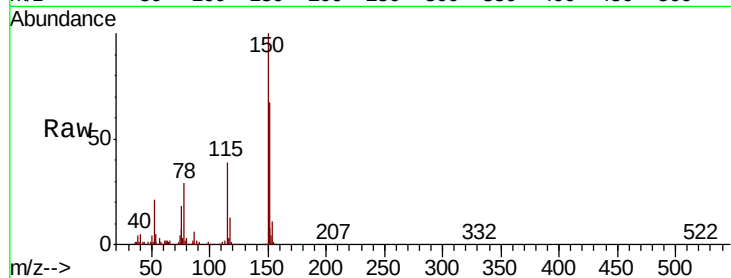
Tot Ion:152 Resp: 146144

Ion Ratio Lower Upper

152 100

150 149.0 116.7 175.1

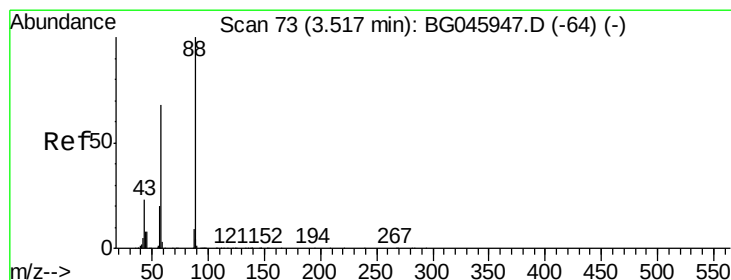
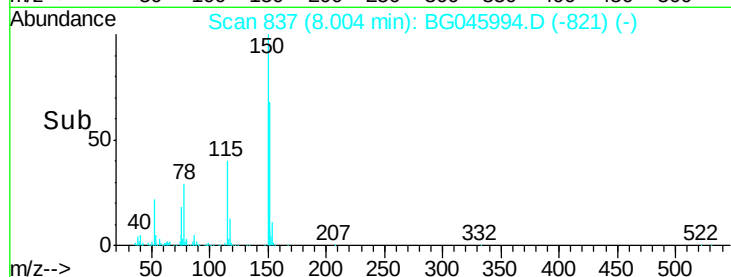
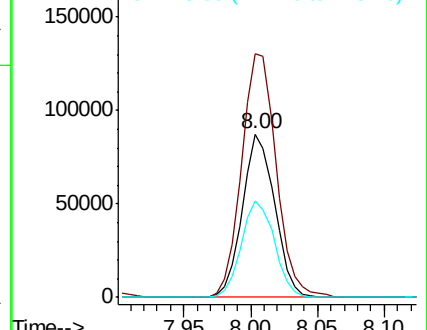
115 58.7 47.4 71.0



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: 4.147 ng

RT: 3.52 min Scan# 73

Delta R.T. -0.00 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

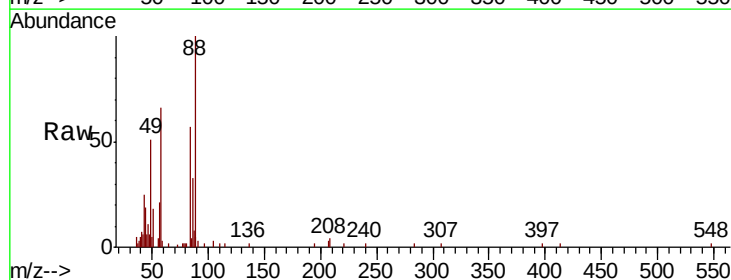
Tgt Ion: 88 Resp: 17244

Ion Ratio Lower Upper

88 100

58 70.7 55.2 82.8

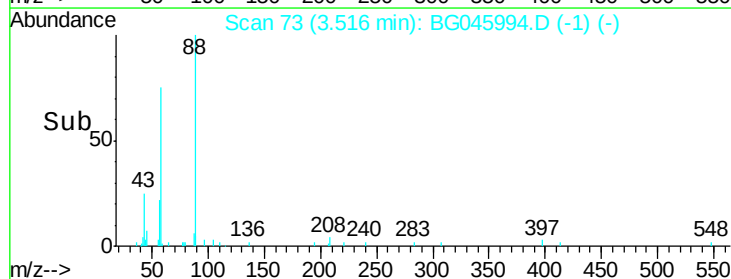
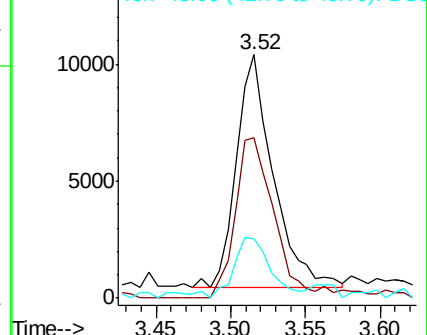
43 25.3 19.4 29.0

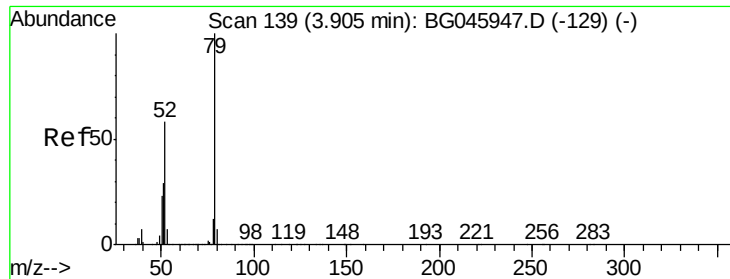


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

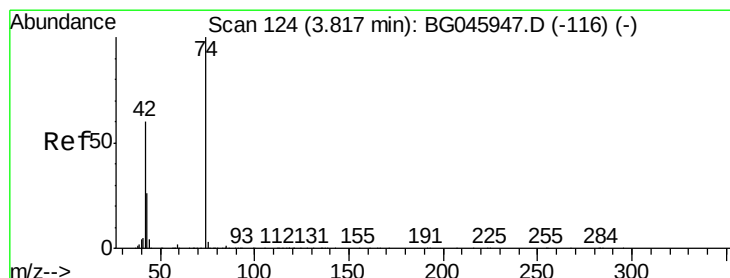
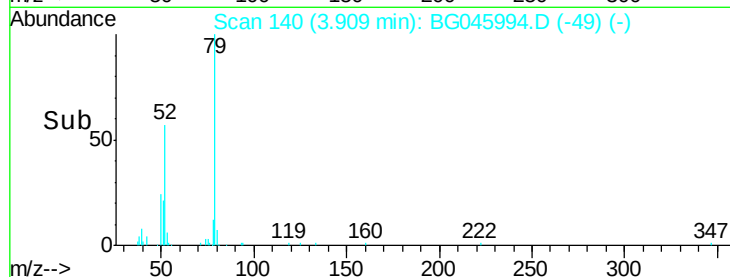
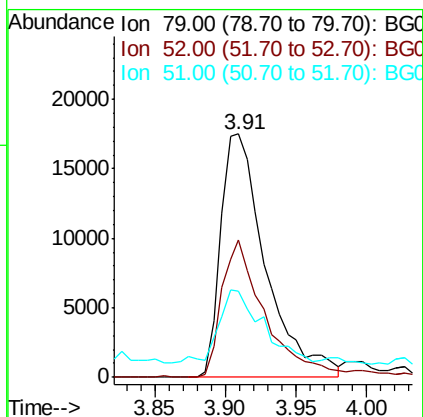
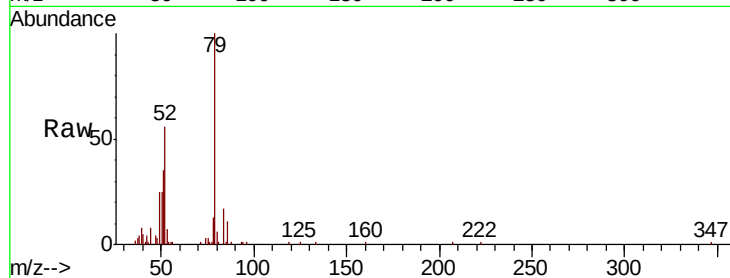




#3  
 Pvridine  
 Concen: 3.086 ng  
 RT: 3.91 min Scan# 140  
 Delta R.T. 0.01 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

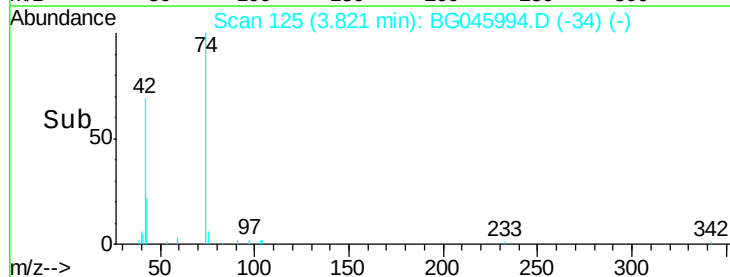
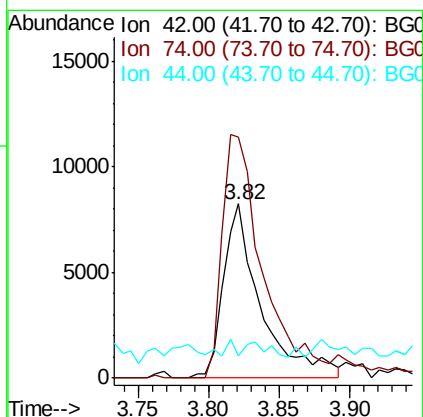
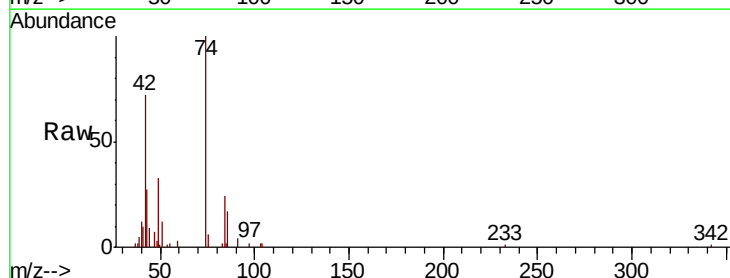
Instrument :  
 BNA\_G  
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 MDL-SOIL-03-QT3-2020

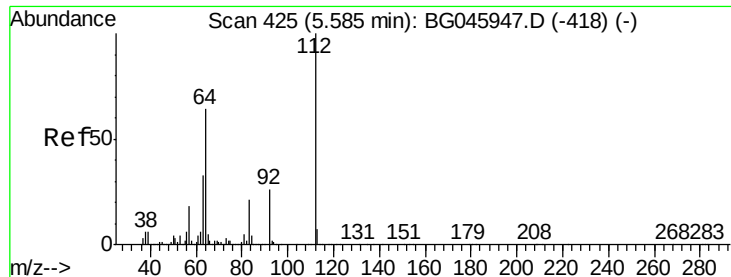
Tot Ion: 79 Resp: 38799  
 Ion Ratio Lower Upper  
 79 100  
 52 56.2 46.5 69.7  
 51 35.1 23.5 35.3



#4  
 n-Nitrosodimethylamine  
 Concen: 3.591 ng  
 RT: 3.82 min Scan# 125  
 Delta R.T. 0.00 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

Tgt Ion: 42 Resp: 15264  
 Ion Ratio Lower Upper  
 42 100  
 74 138.7 131.9 197.9  
 44 12.8 7.7 11.5#





#5

2-Fluorophenol

Concen: 137.078 ng

RT: 5.58 min Scan# 425

Delta R.T. -0.00 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

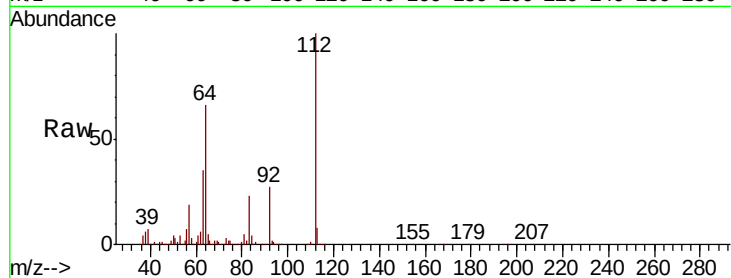
Tot Ion:112 Resp: 1235344

Ion Ratio Lower Upper

112 100

64 66.0 51.4 77.2

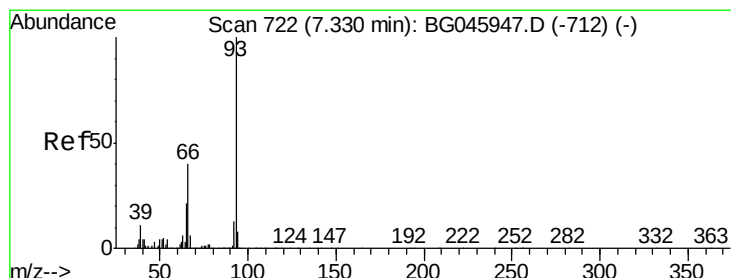
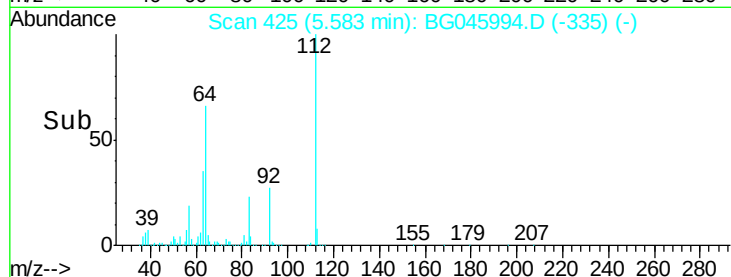
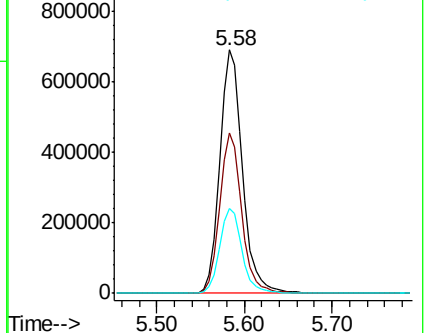
63 34.7 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 3.751 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

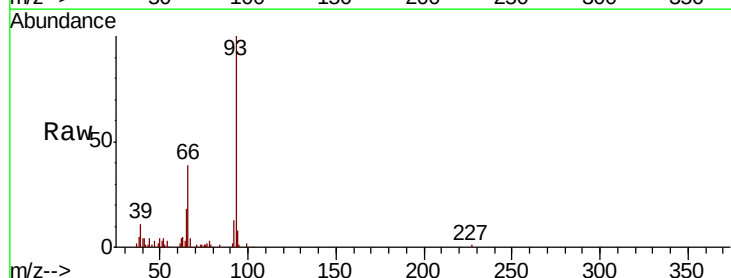
Tgt Ion: 93 Resp: 62264

Ion Ratio Lower Upper

93 100

66 39.3 32.3 48.5

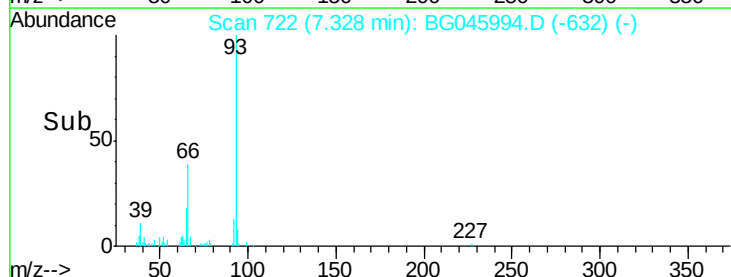
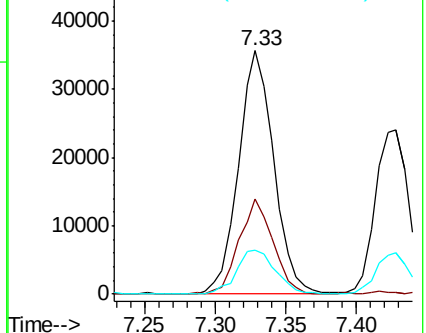
65 18.3 16.6 25.0

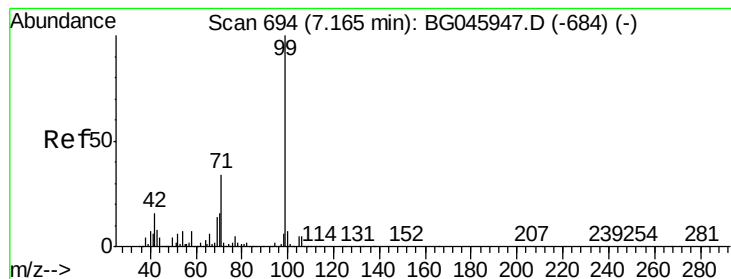


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 132.919 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

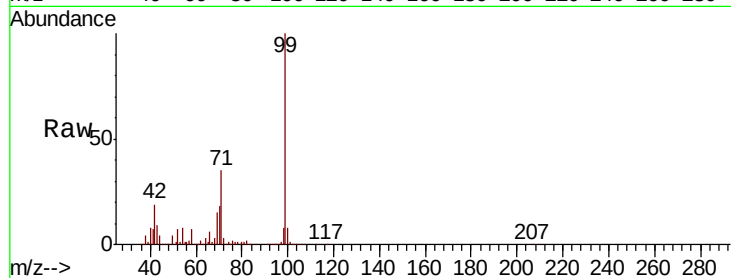
Tot Ion: 99 Resp: 1724578

Ion Ratio Lower Upper

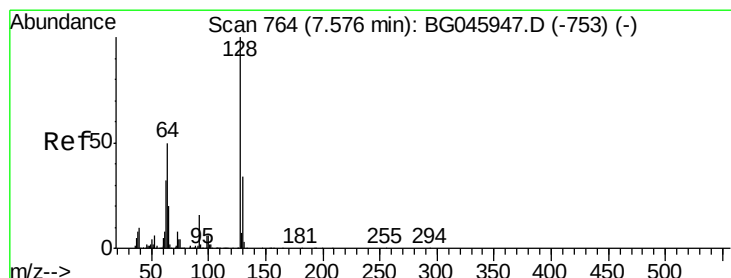
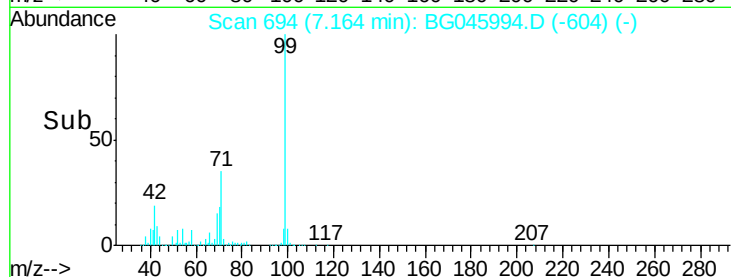
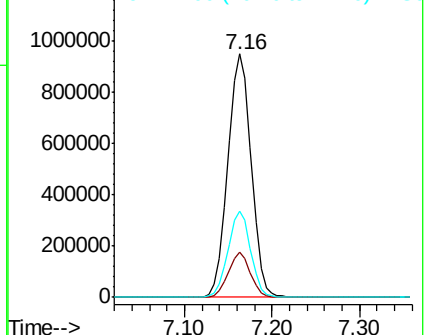
99 100

42 18.7 13.0 19.4

71 35.4 27.5 41.3



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



#8

2-Chlorophenol

Concen: 3.639 ng

RT: 7.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

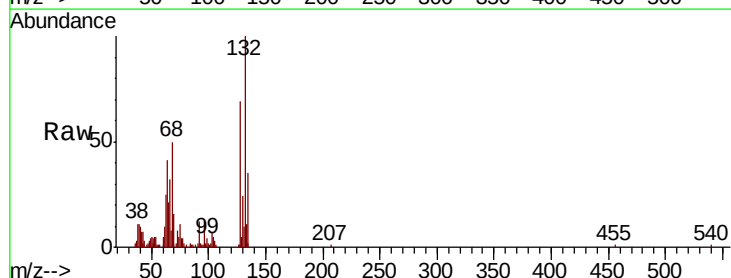
Tgt Ion: 128 Resp: 35302

Ion Ratio Lower Upper

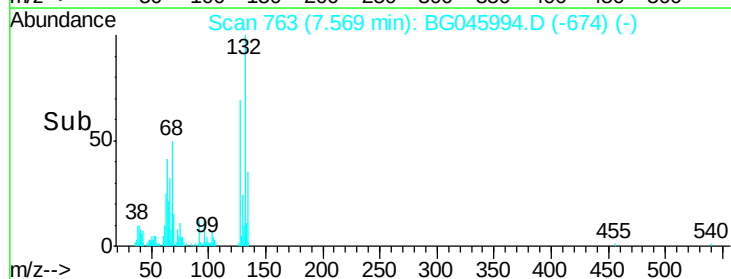
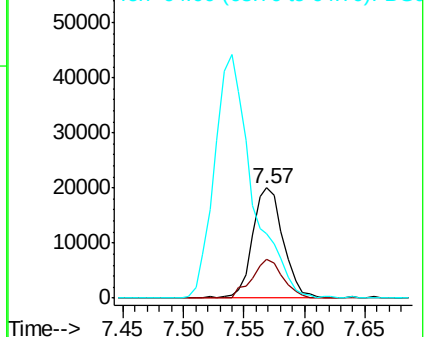
128 100

130 34.9 13.6 53.6

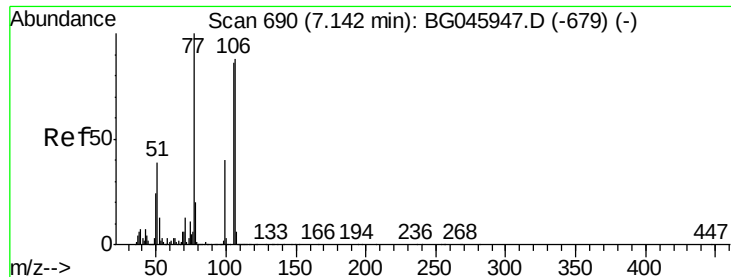
64 58.8 30.6 70.6



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







#9

Benzaldehyde

Concen: 5.295 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

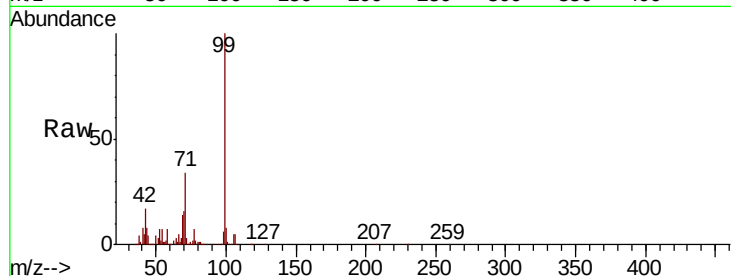
Tot Ion: 77 Resp: 43528

Ion Ratio Lower Upper

77 100

105 73.1 66.0 106.0

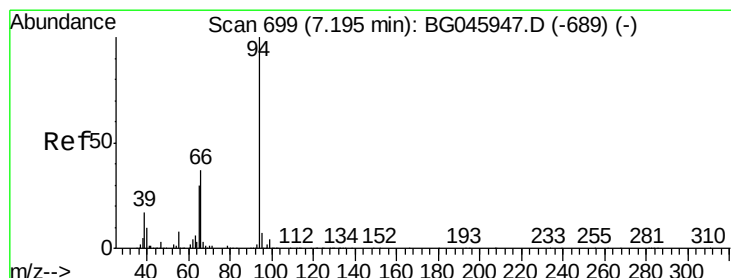
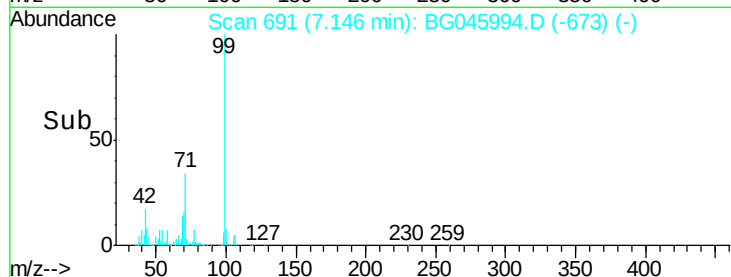
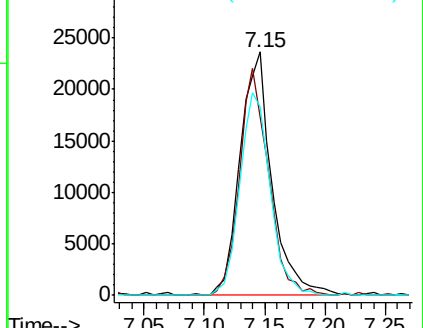
106 77.7 67.7 107.7



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 3.720 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

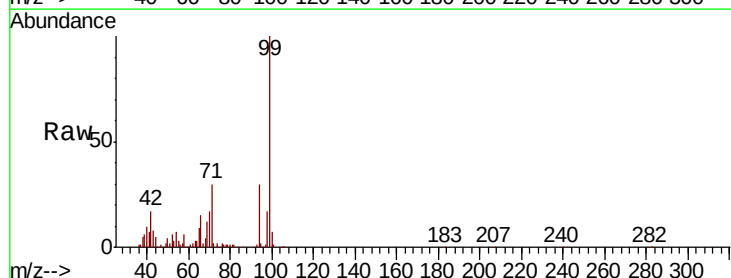
Tgt Ion: 94 Resp: 48413

Ion Ratio Lower Upper

94 100

65 31.3 10.6 50.6

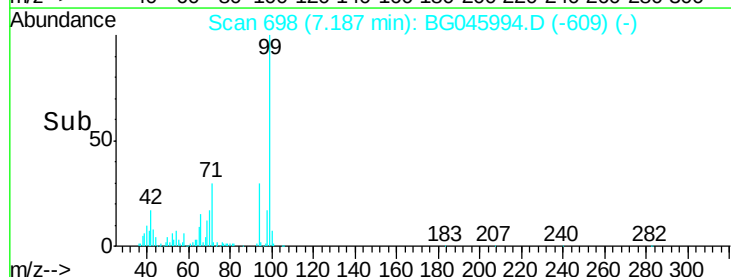
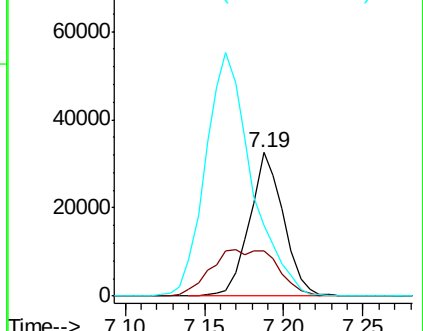
66 49.8 17.1 57.1



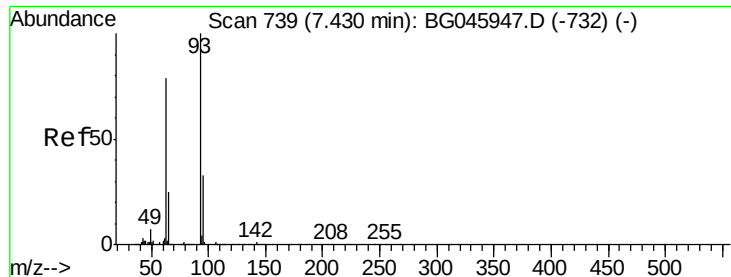
Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



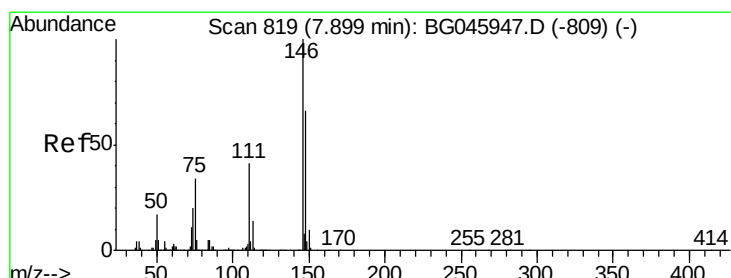
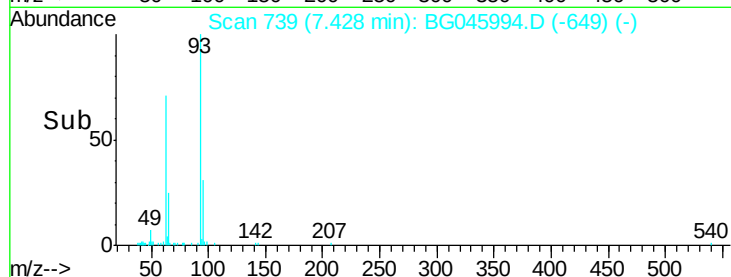
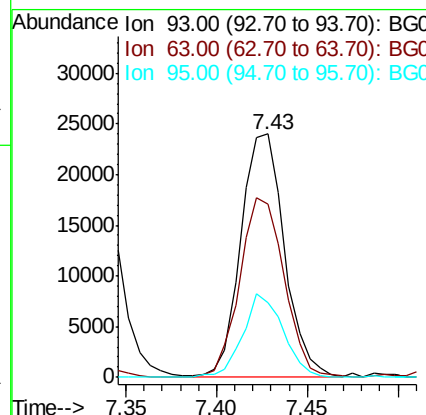
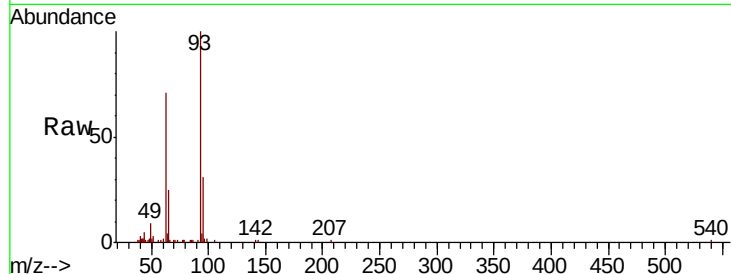




#11  
bis(2-Chloroethyl)ether  
Concen: 3.745 ng  
RT: 7.43 min Scan# 739  
Delta R.T. -0.00 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

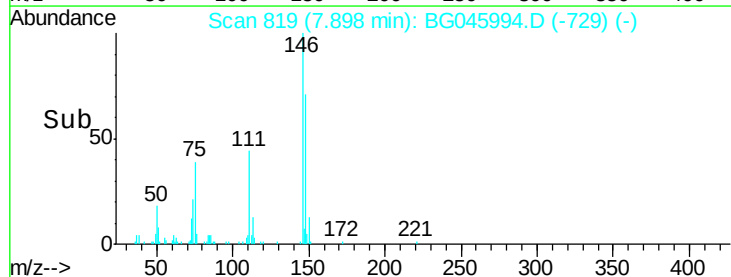
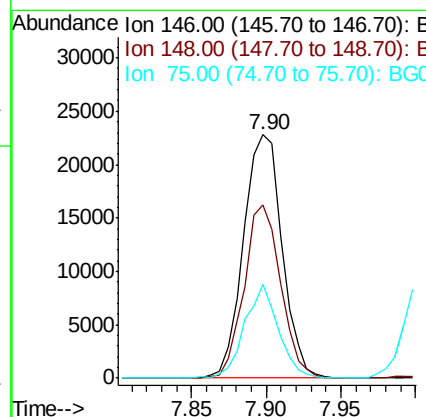
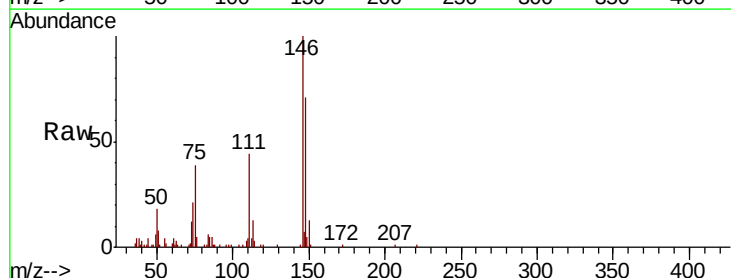
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2020

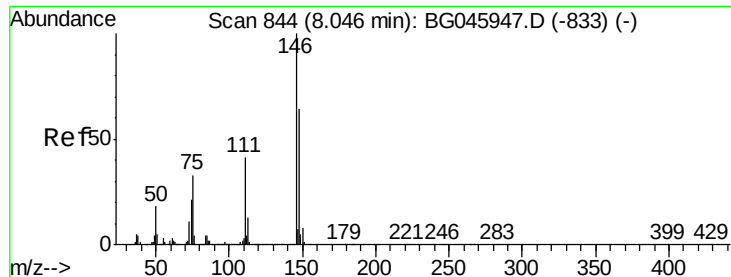
| Tot Ion | 93    | Resp  | 40305 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 93      | 100   |       |       |
| 63      | 71.2  | 58.6  | 98.6  |
| 95      | 30.8  | 13.3  | 53.3  |



#12  
1,3-Dichlorobenzene  
Concen: 3.651 ng  
RT: 7.90 min Scan# 819  
Delta R.T. -0.00 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

| Tgt Ion | 146   | Resp  | 40830 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 146     | 100   |       |       |
| 148     | 70.9  | 52.8  | 79.2  |
| 75      | 38.7  | 27.2  | 40.8  |

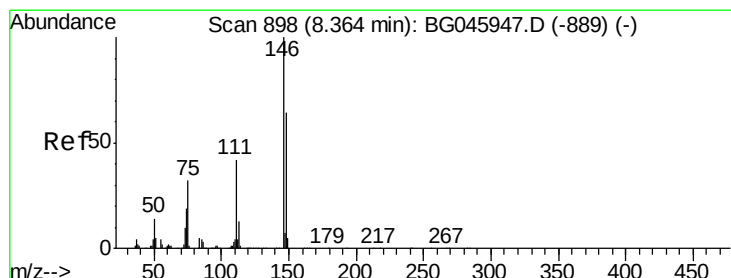
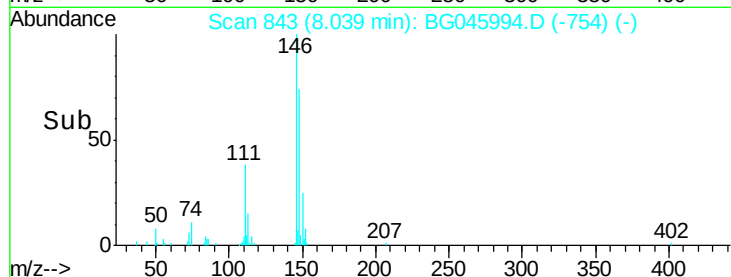
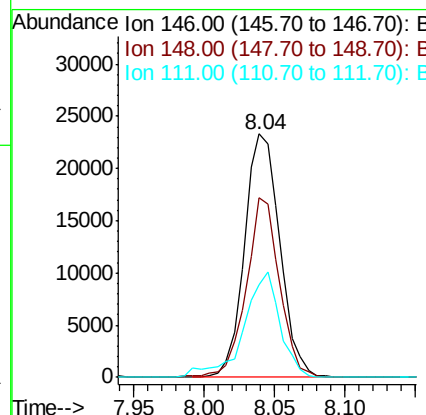
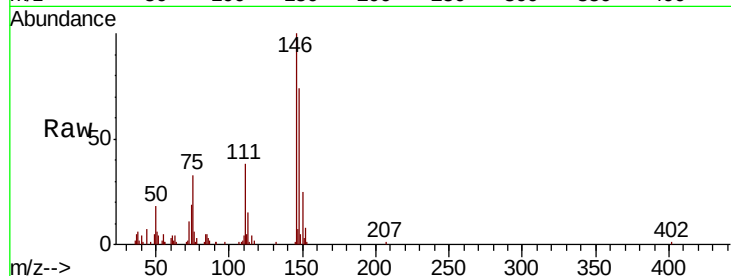




#13  
 1,4-Dichlorobenzene  
 Concen: 3.717 ng  
 RT: 8.04 min Scan# 843  
 Delta R.T. -0.01 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

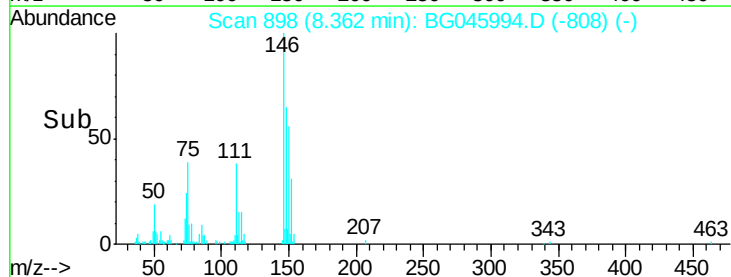
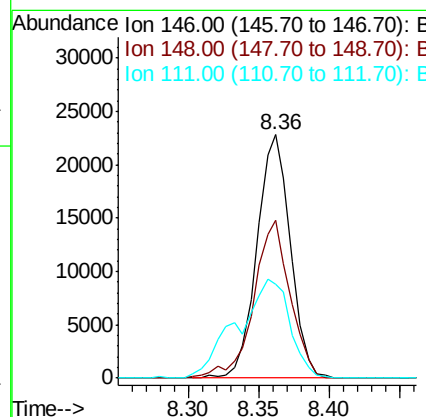
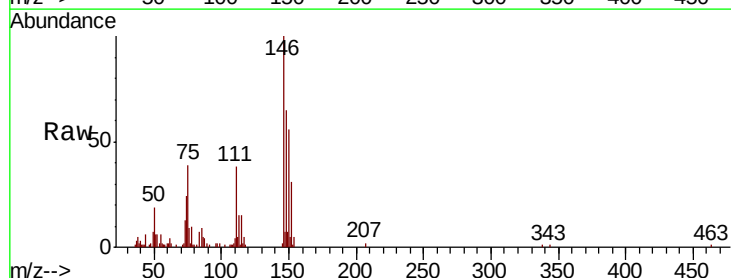
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020

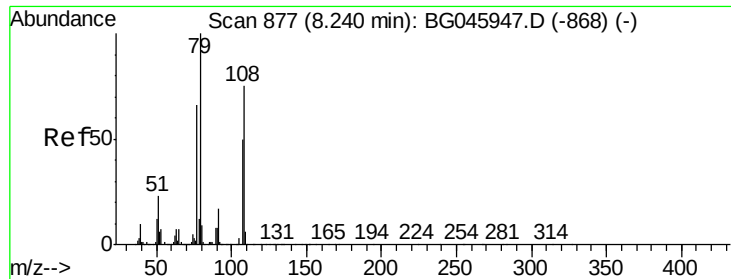
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 73.9  | 51.7  | 77.5  |
| 111     | 38.0  | 33.3  | 49.9  |



#14  
 1,2-Dichlorobenzene  
 Concen: 3.586 ng  
 RT: 8.36 min Scan# 898  
 Delta R.T. -0.00 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.6  | 51.6  | 77.4  |
| 111     | 38.4  | 34.0  | 51.0  |





#15

Benzyl Alcohol

Concen: 3.300 ng

RT: 8.23 min Scan# 876

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

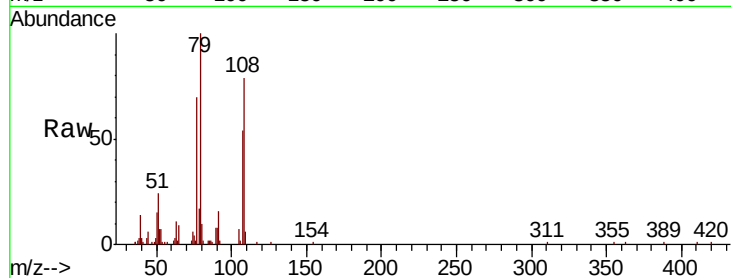
Tot Ion: 79 Resp: 33572

Ion Ratio Lower Upper

79 100

108 78.9 60.2 90.4

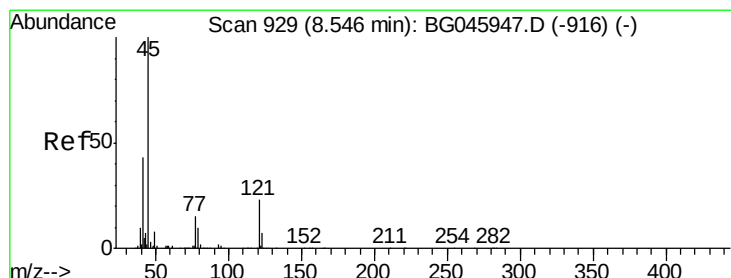
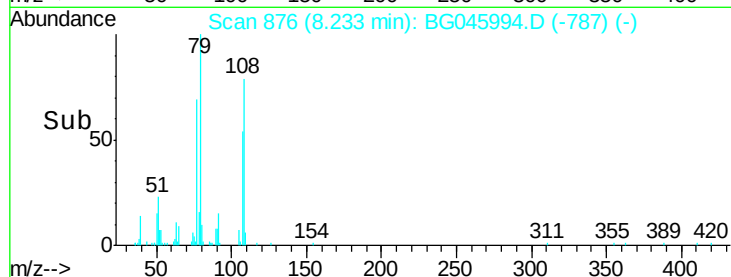
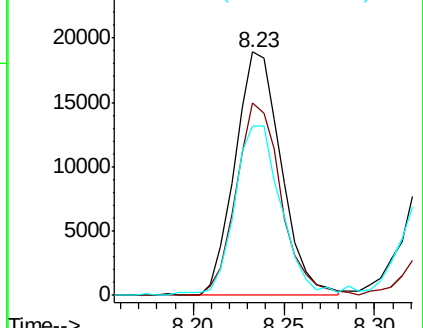
77 69.6 52.9 79.3



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.572 ng

RT: 8.54 min Scan# 928

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

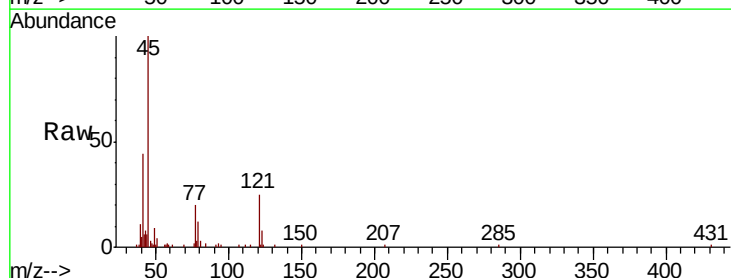
Tgt Ion: 45 Resp: 50161

Ion Ratio Lower Upper

45 100

77 20.2 0.0 37.6

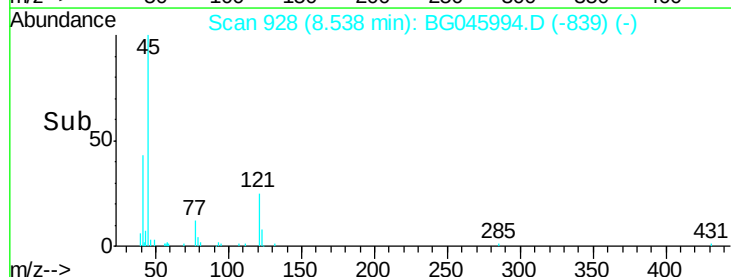
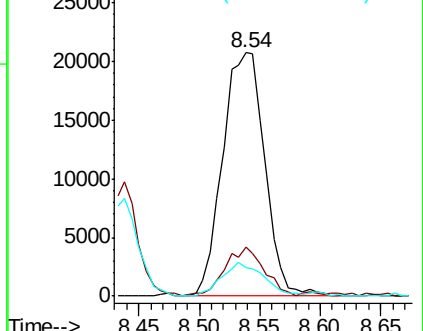
79 11.5 0.0 32.6

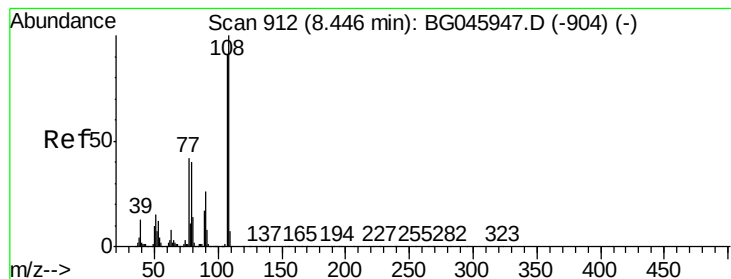


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

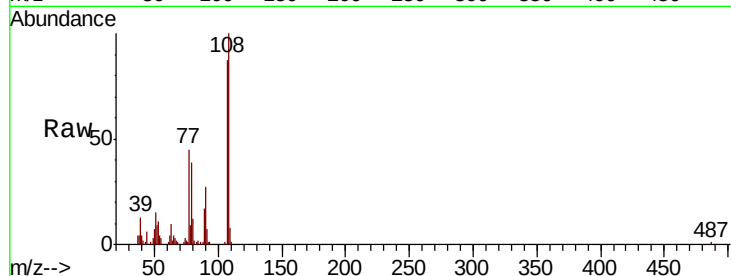




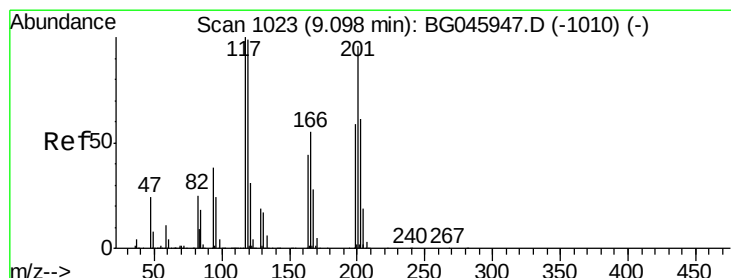
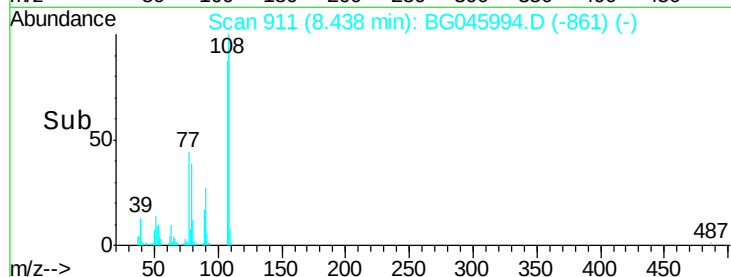
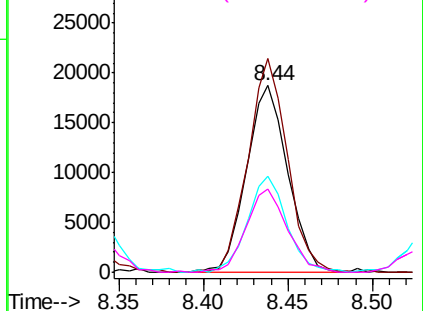
#17  
2-Methylphenol  
Concen: 3.244 ng  
RT: 8.44 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 31682 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 114.4 | 88.2  | 132.4 |
| 77       | 51.8  | 37.0  | 55.4  |
| 79       | 44.4  | 35.4  | 53.0  |

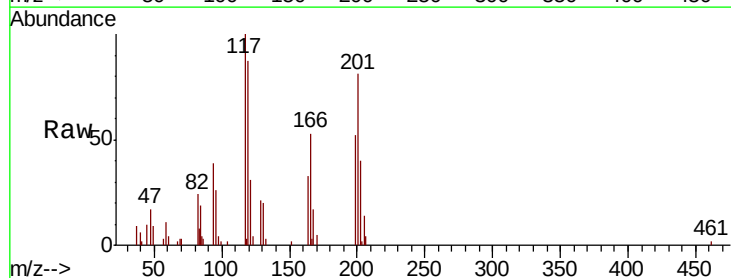


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

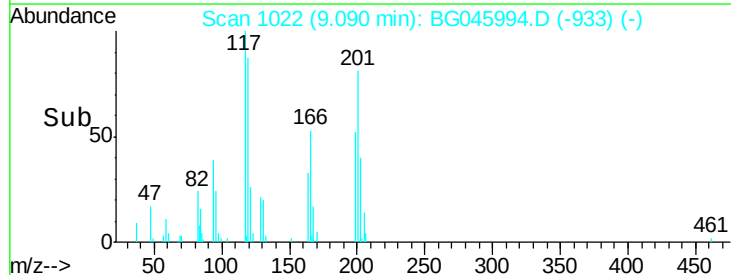
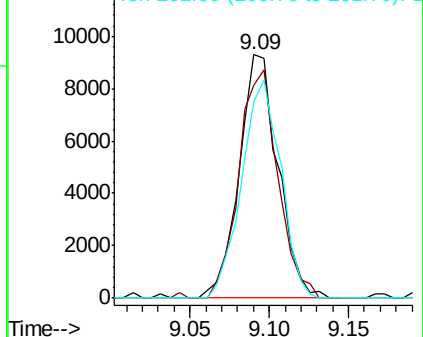


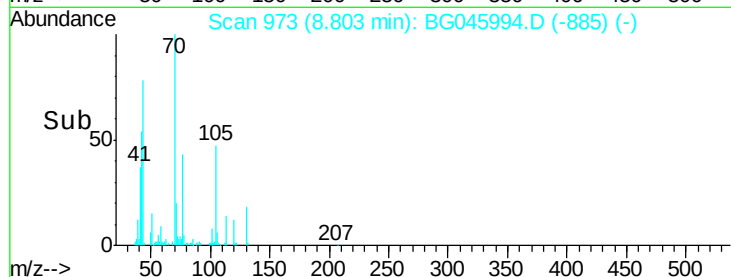
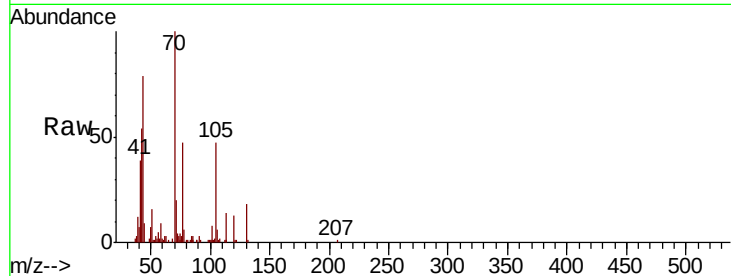
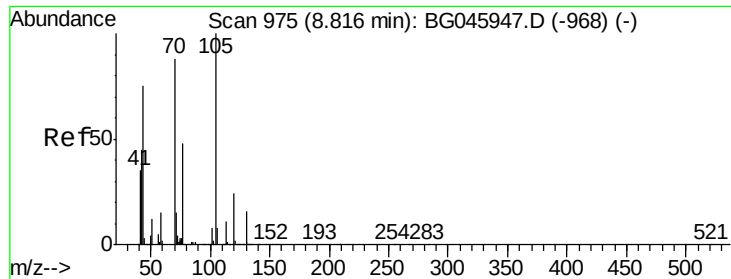
#18  
Hexachloroethane  
Concen: 3.739 ng  
RT: 9.09 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 15826 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 87.3  | 79.5  | 119.3 |
| 201      | 80.5  | 77.0  | 115.4 |



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

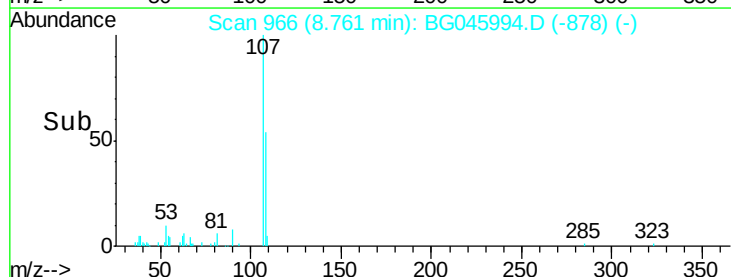
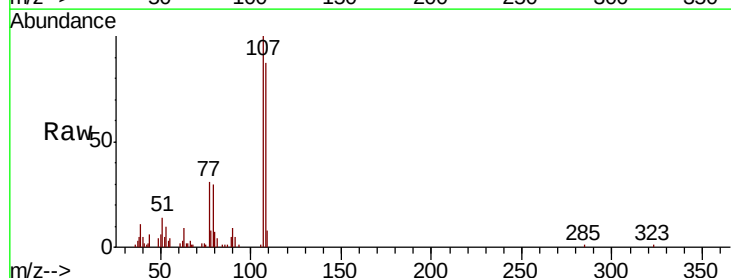
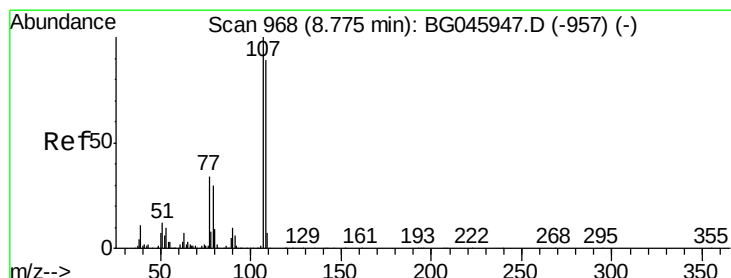
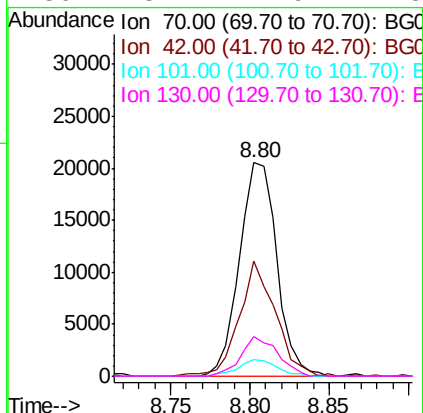




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.705 ng  
RT: 8.80 min Scan# 973  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

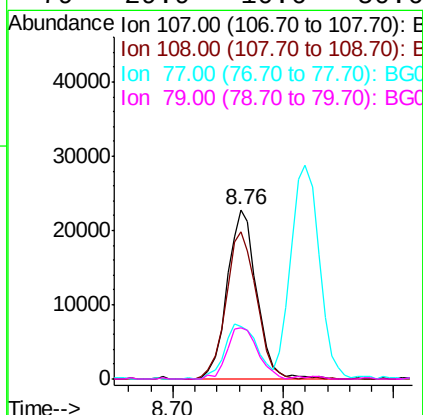
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2020

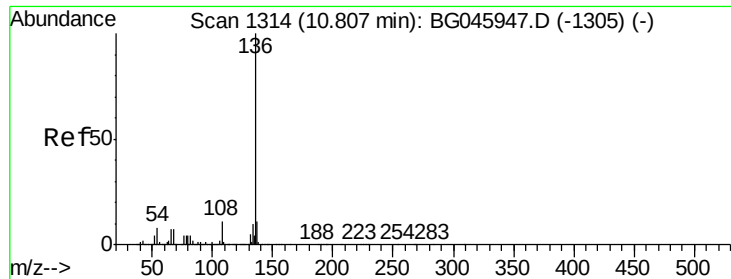
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 33768 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 53.9  | 41.4  | 62.0  |
| 101      | 7.8   | 7.1   | 10.7  |
| 130      | 18.4  | 14.9  | 22.3  |



#20  
3+4-Methylphenols  
Concen: 3.193 ng  
RT: 8.76 min Scan# 966  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 42501 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 86.7  | 68.7  | 108.7 |
| 77       | 31.0  | 14.6  | 54.6  |
| 79       | 29.9  | 10.6  | 50.6  |

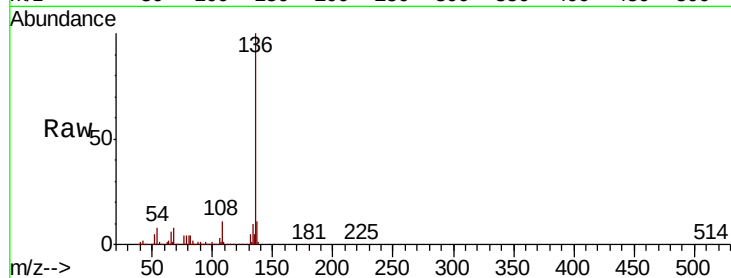




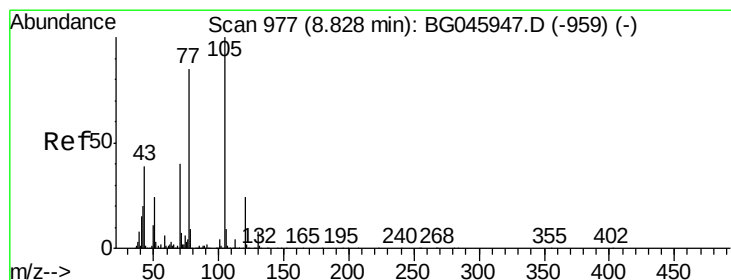
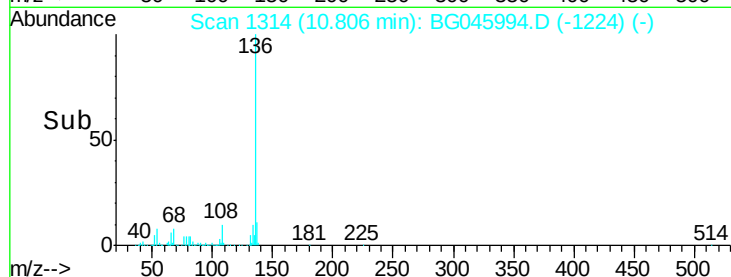
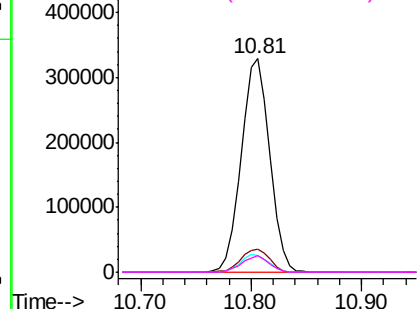
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.81 min Scan# 1314  
Delta R.T. -0.00 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2020

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 594831 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 10.7    | 9.2   | 13.8   |  |
| 54 7.8      | 6.2   | 9.4    |  |
| 68 8.0      | 5.8   | 8.8    |  |

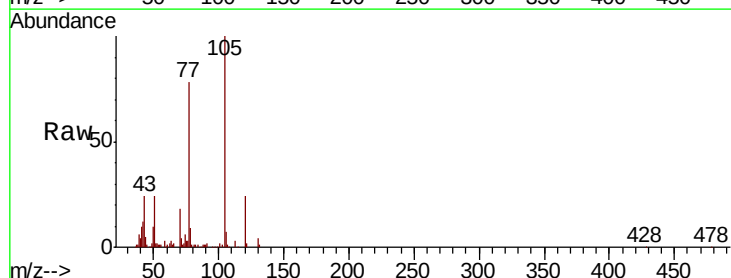


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

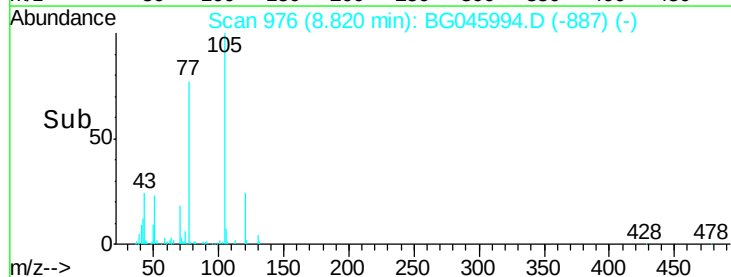
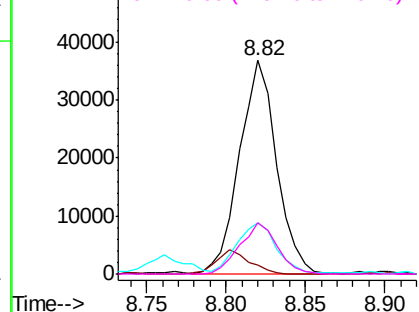


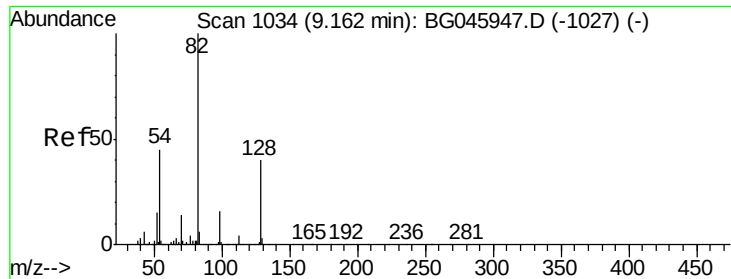
#22  
Acetophenone  
Concen: 3.767 ng  
RT: 8.82 min Scan# 976  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:105 | Resp: | 59865 |
| Ion | Ratio   | Lower | Upper |
| 105 | 100     |       |       |
| 71  | 4.2     | 6.2   | 9.2#  |
| 51  | 23.9    | 19.7  | 29.5  |
| 120 | 23.9    | 19.2  | 28.8  |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC  
Ion 120.00 (119.70 to 120.70): E

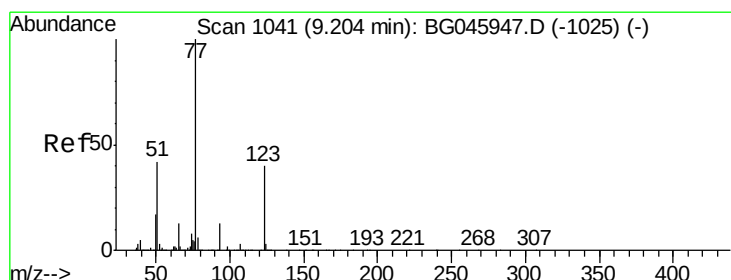
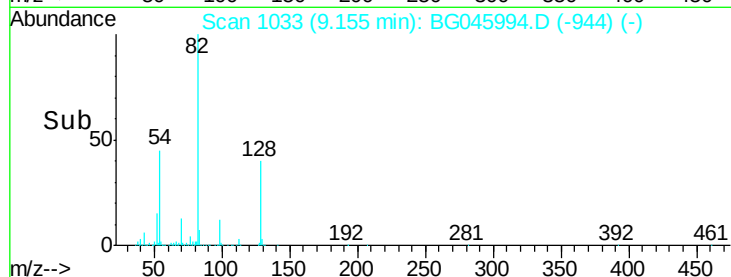
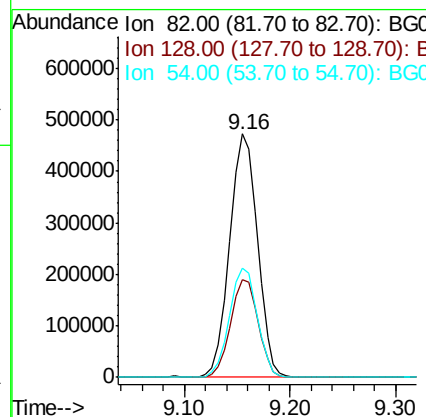
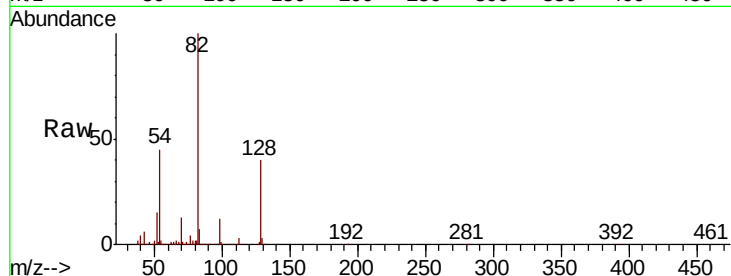




#23  
 Nitrobenzene-d5  
 Concen: 83.035 ng  
 RT: 9.16 min Scan# 1033  
 Delta R.T. -0.01 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

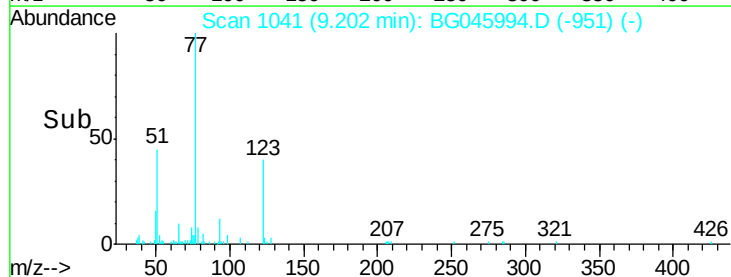
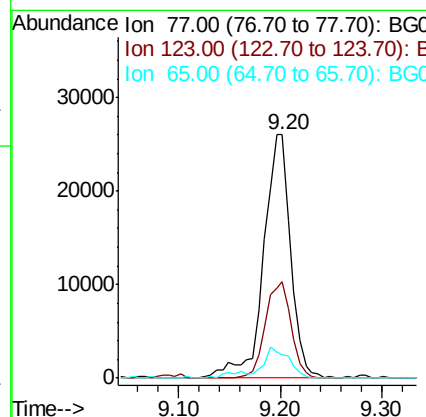
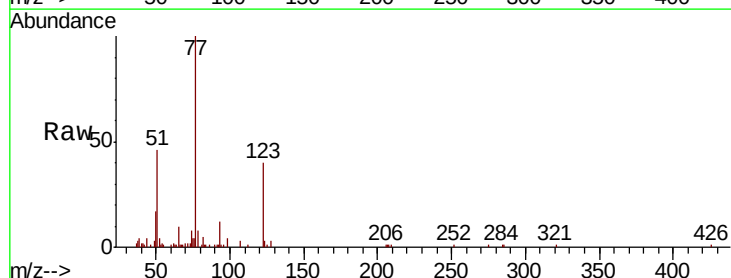
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020

Tot Ion: 82 Resp: 858121  
 Ion Ratio Lower Upper  
 82 100  
 128 40.0 32.2 48.4  
 54 45.0 35.8 53.6

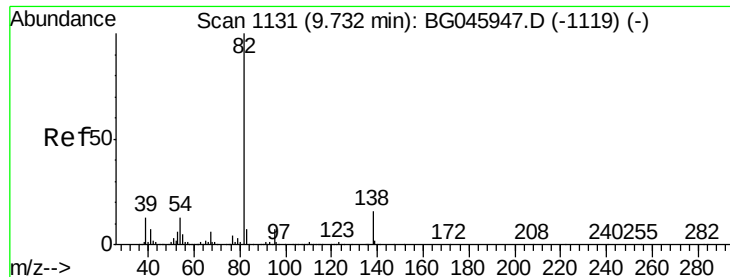


#24  
 Nitrobenzene  
 Concen: 4.261 ng  
 RT: 9.20 min Scan# 1041  
 Delta R.T. -0.00 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

Tgt Ion: 77 Resp: 48608  
 Ion Ratio Lower Upper  
 77 100  
 123 39.7 32.7 49.1  
 65 9.9 10.2 15.4#







#25

Isophorone

Concen: 3.440 ng

RT: 9.72 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

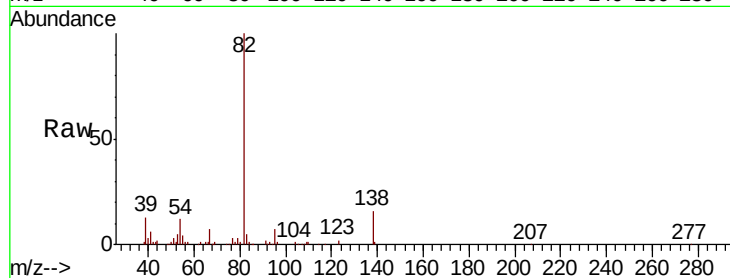
Tot Ion: 82 Resp: 86799

Ion Ratio Lower Upper

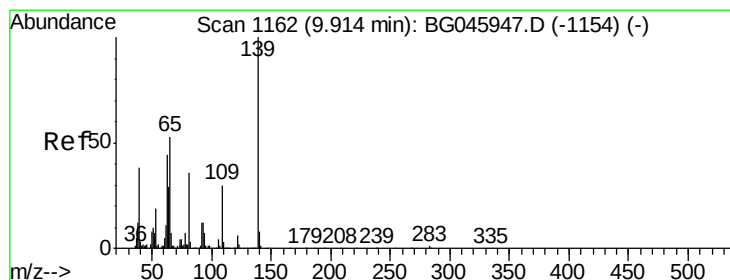
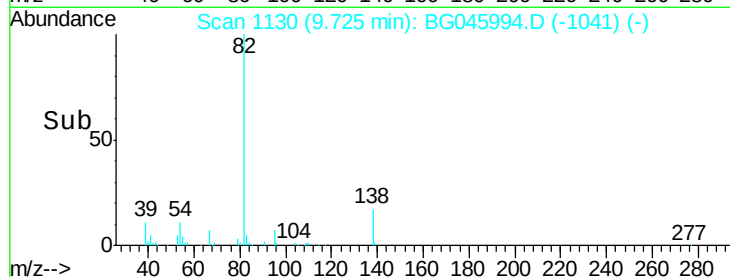
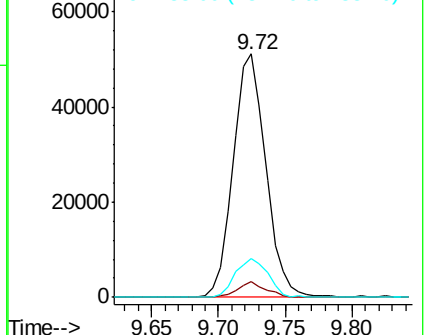
82 100

95 6.6 5.8 8.6

138 16.2 12.9 19.3



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 3.472 ng

RT: 9.91 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

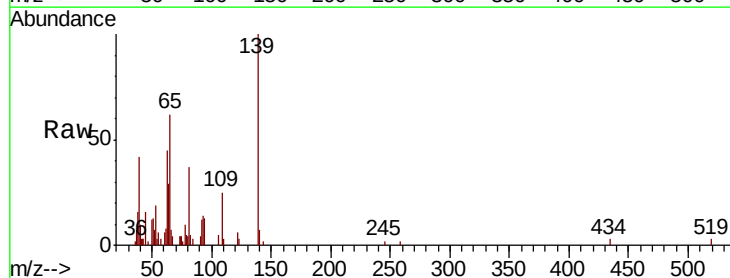
Tgt Ion: 139 Resp: 12909

Ion Ratio Lower Upper

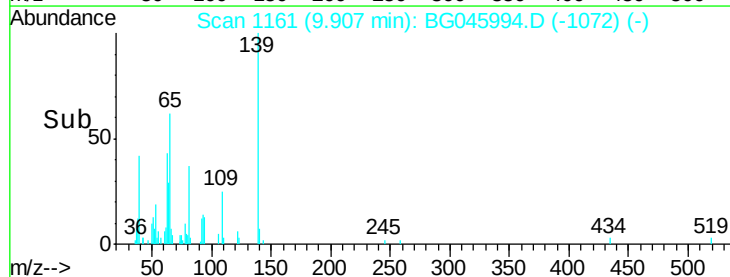
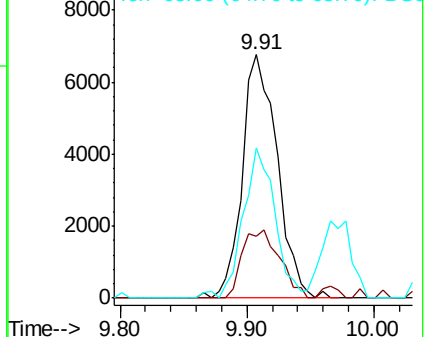
139 100

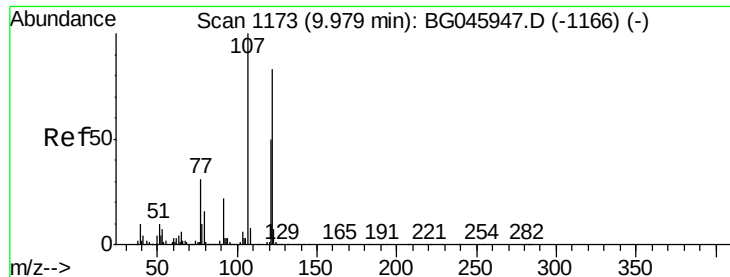
109 25.4 24.6 37.0

65 61.6 42.6 64.0



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





#27

2,4-Dimethylphenol

Concen: 3.487 ng

RT: 9.97 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

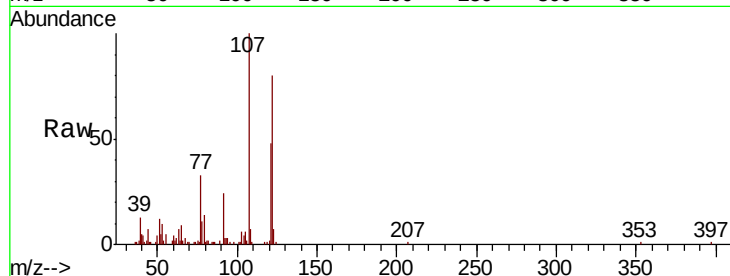
Tot Ion:122 Resp: 31309

Ion Ratio Lower Upper

122 100

107 124.4 95.6 143.4

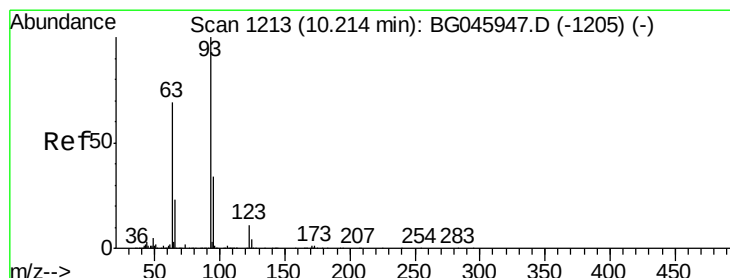
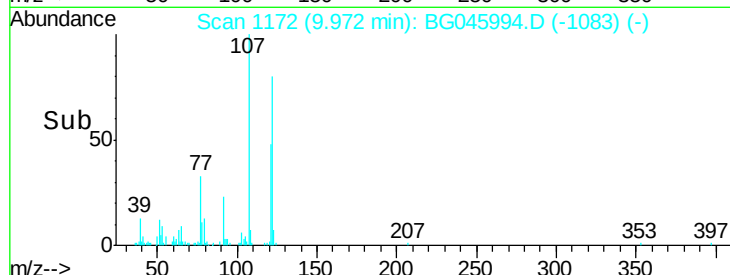
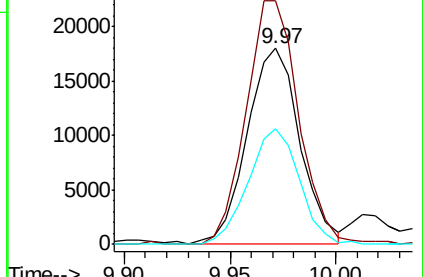
121 59.3 47.7 71.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 3.655 ng

RT: 10.21 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

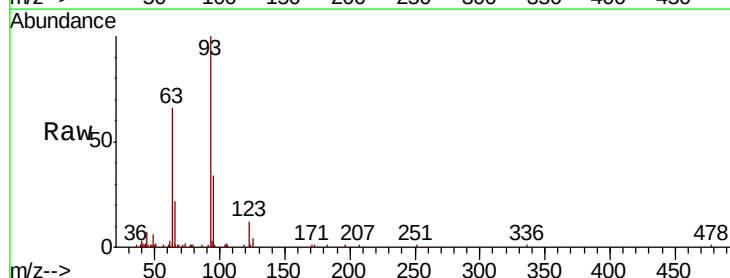
Tgt Ion: 93 Resp: 51776

Ion Ratio Lower Upper

93 100

95 34.0 27.5 41.3

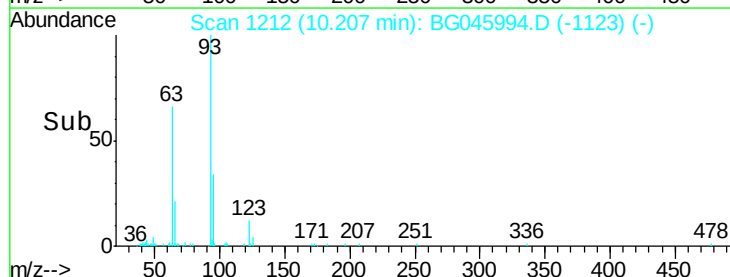
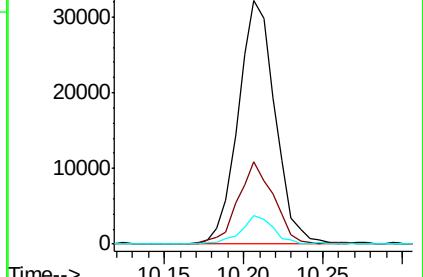
123 11.5 9.2 13.8

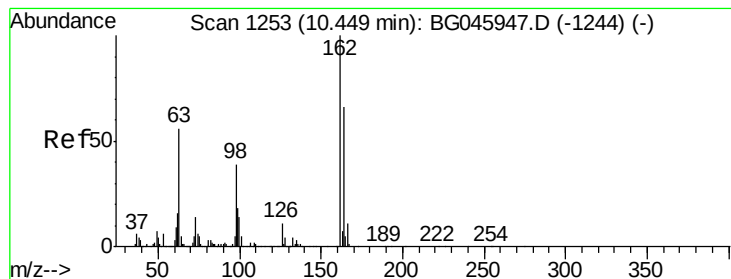


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 3.066 ng

RT: 10.44 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

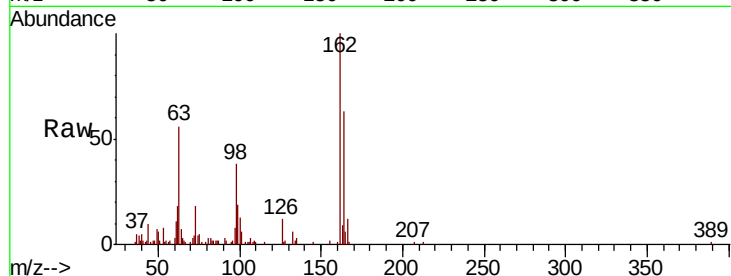
Tot Ion:162 Resp: 28505

Ion Ratio Lower Upper

162 100

164 63.4 46.0 86.0

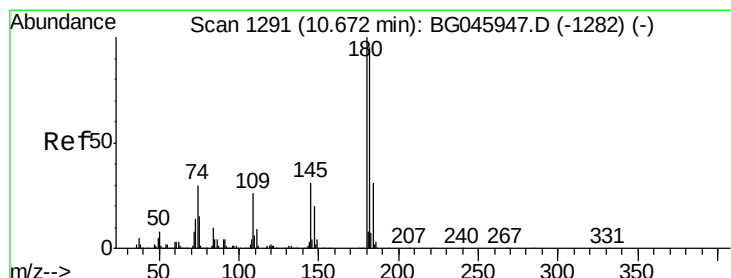
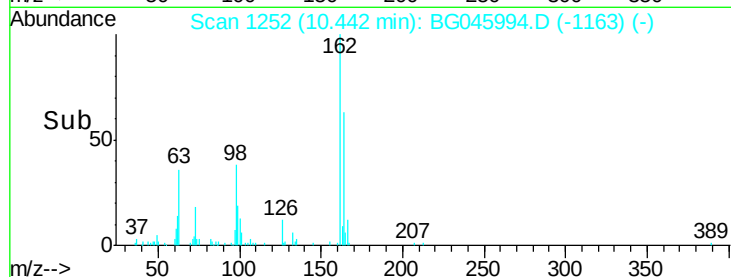
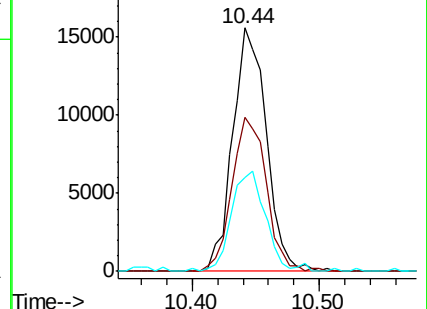
98 38.4 19.2 59.2



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): B



#30

1,2,4-Trichlorobenzene

Concen: 3.372 ng

RT: 10.66 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

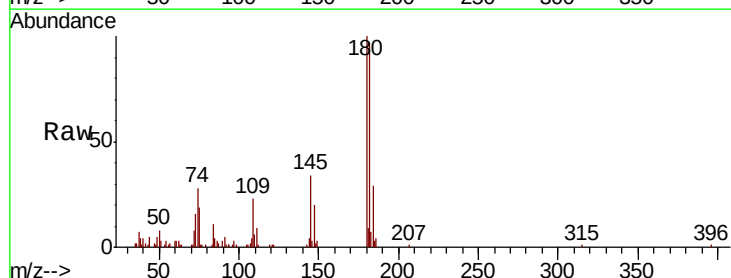
Tgt Ion:180 Resp: 34729

Ion Ratio Lower Upper

180 100

182 96.7 76.3 114.5

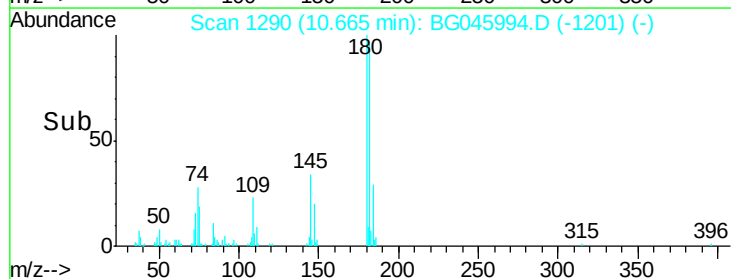
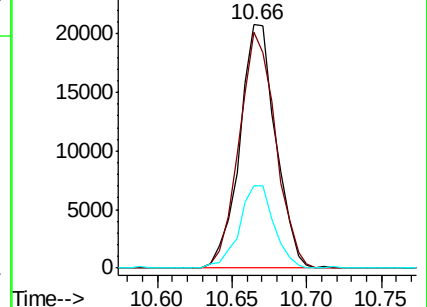
145 33.8 24.8 37.2

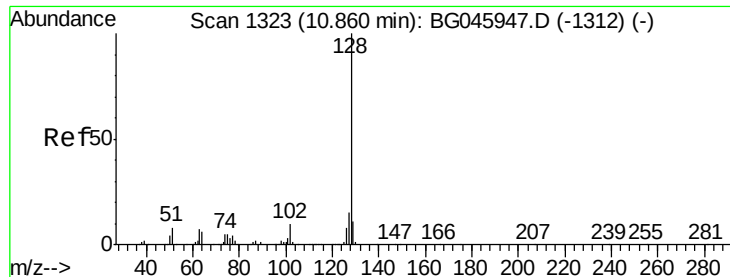


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

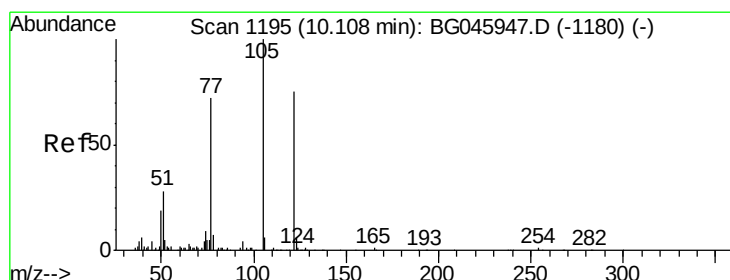
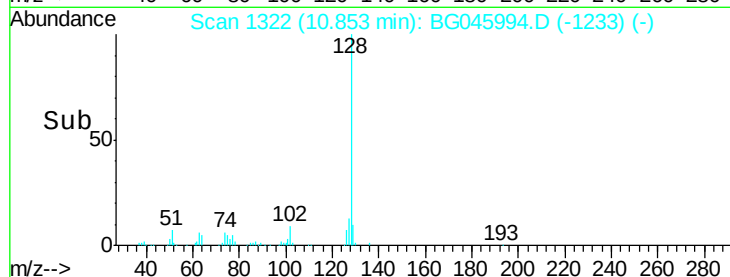
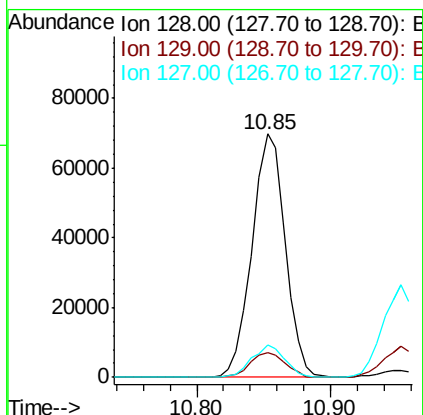
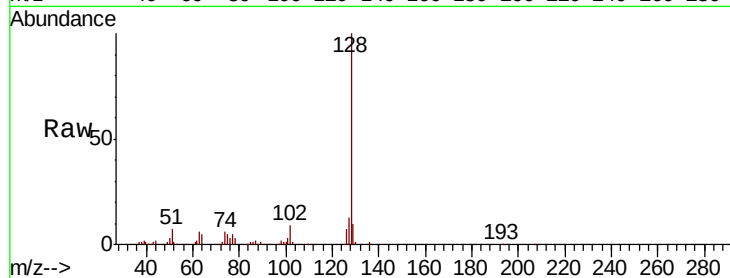




#31  
Naphthalene  
Concen: 3.763 ng  
RT: 10.85 min Scan# 1322  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

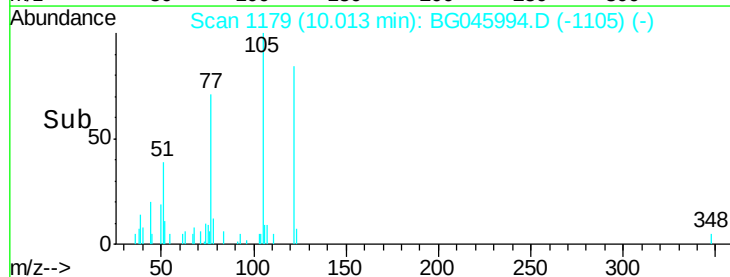
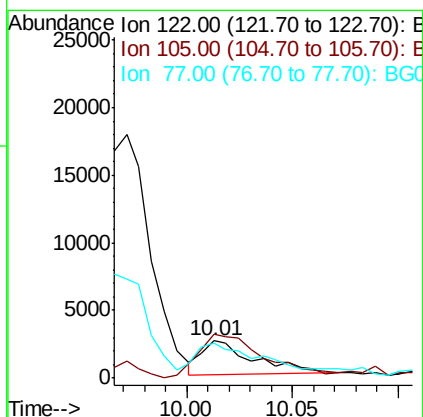
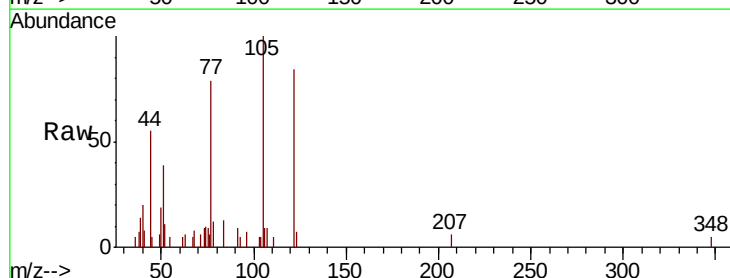
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2020

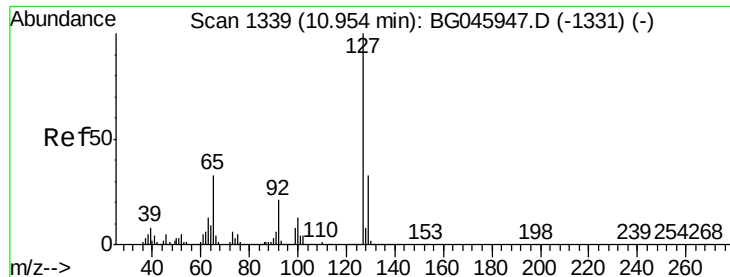
Tot Ion:128 Resp: 119988  
Ion Ratio Lower Upper  
128 100  
129 10.2 9.2 13.8  
127 13.1 11.8 17.6



#32  
Benzoic acid  
Concen: 0.881 ng  
RT: 10.01 min Scan# 1179  
Delta R.T. -0.10 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

Tgt Ion:122 Resp: 4286  
Ion Ratio Lower Upper  
122 100  
105 119.5 110.8 150.8  
77 94.6 76.4 116.4

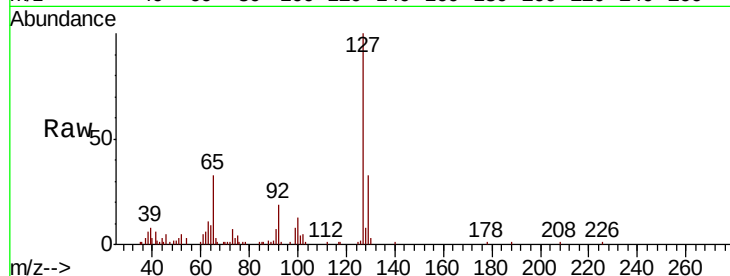




#33  
4-Chloroaniline  
Concen: 3.256 ng  
RT: 10.95 min Scan# 1339  
Delta R.T. -0.00 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2020

|             |       |       |  |
|-------------|-------|-------|--|
| Tot Ion:127 | Resp: | 46397 |  |
| Ion Ratio   | Lower | Upper |  |
| 127 100     |       |       |  |
| 129 33.4    | 26.6  | 39.8  |  |
| 65 32.9     | 26.8  | 40.2  |  |
| 92 19.1     | 17.0  | 25.4  |  |



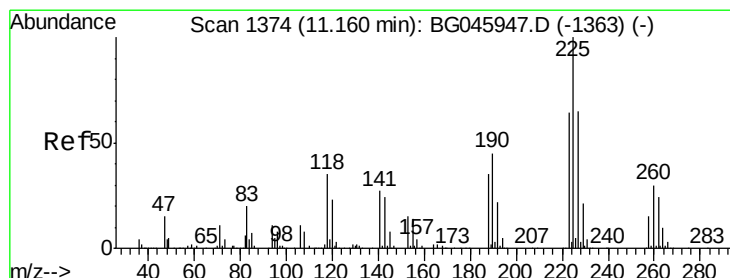
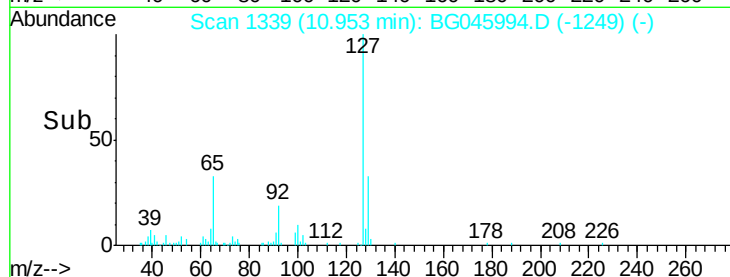
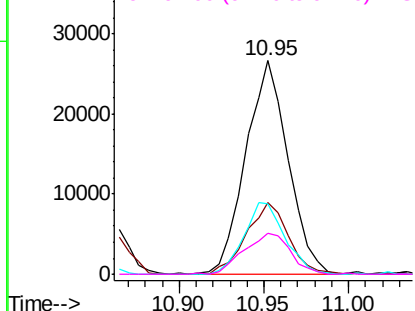
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

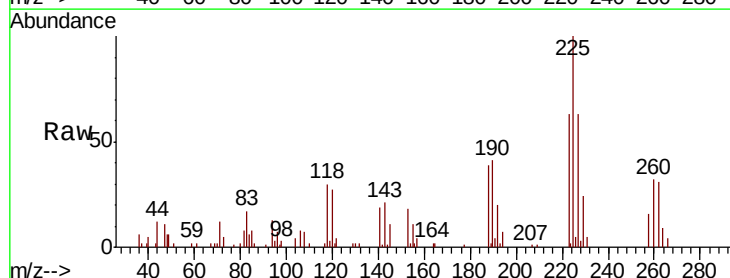
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34  
Hexachlorobutadiene  
Concen: 3.202 ng  
RT: 11.16 min Scan# 1374  
Delta R.T. -0.00 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

|             |             |
|-------------|-------------|
| Tgt Ion:225 | Resp: 19256 |
| Ion Ratio   | Lower Upper |
| 225 100     |             |
| 223 64.3    | 51.2 76.8   |
| 227 62.5    | 52.3 78.5   |

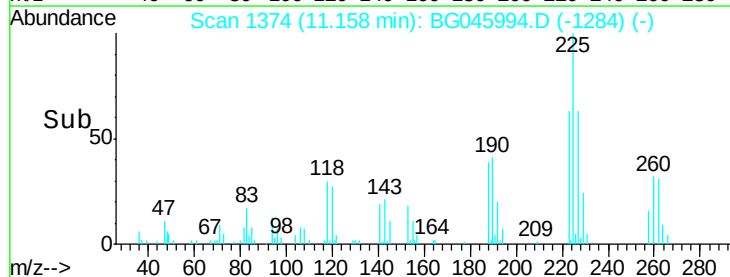
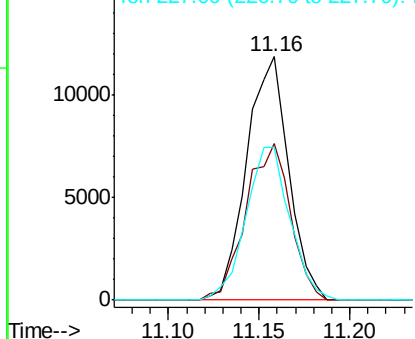


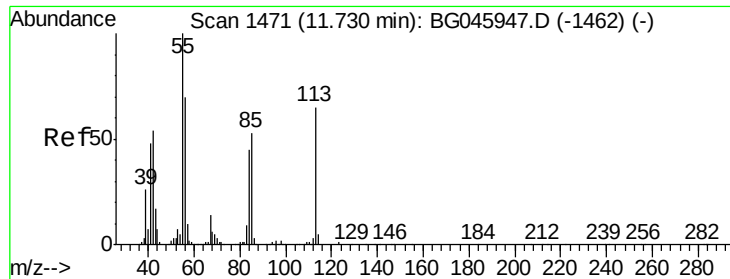
Abundance

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: 2.948 ng

RT: 11.69 min Scan# 1464

Delta R.T. -0.04 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

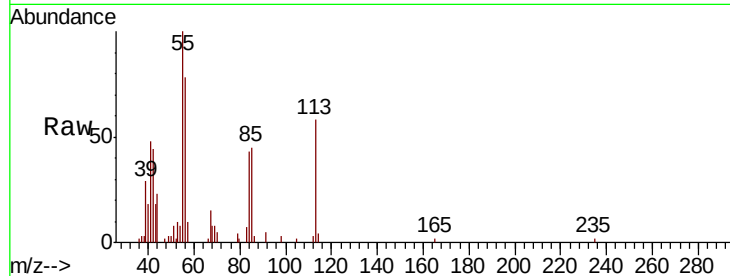
Tot Ion:113 Resp: 10404

Ion Ratio Lower Upper

113 100

55 172.0 141.6 181.6

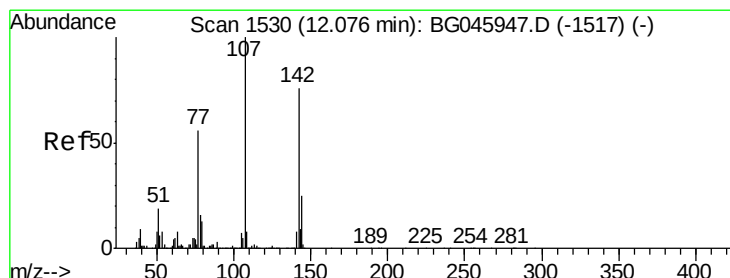
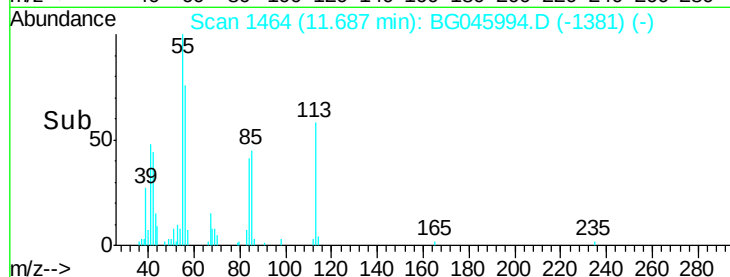
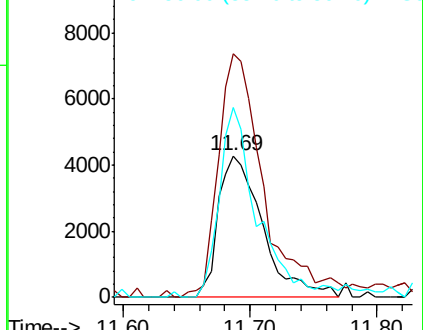
56 134.3 89.6 129.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 2.975 ng

RT: 12.07 min Scan# 1529

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

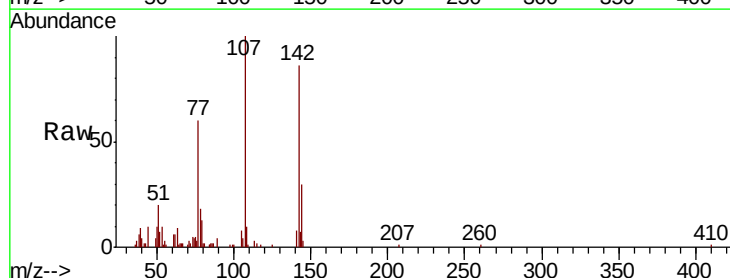
Tgt Ion:107 Resp: 31498

Ion Ratio Lower Upper

107 100

144 30.5 20.0 30.0#

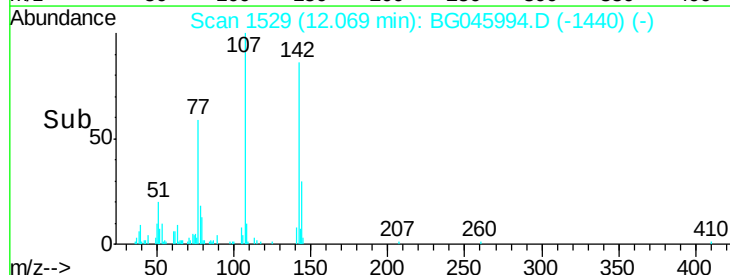
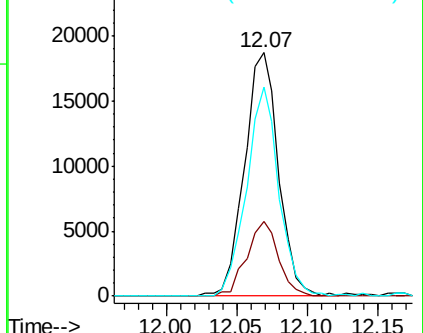
142 85.8 61.1 91.7

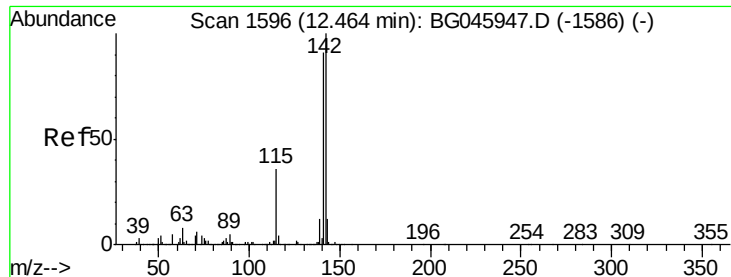


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 3.664 ng

RT: 12.46 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

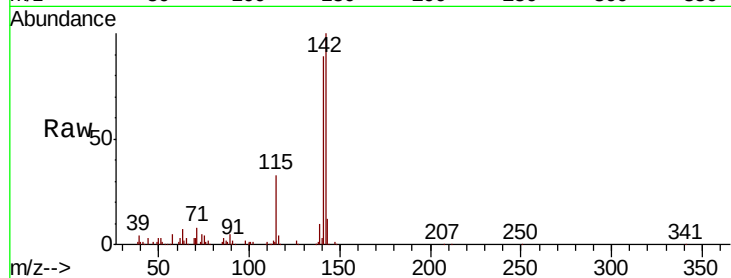
Tot Ion:142 Resp: 83045

Ion Ratio Lower Upper

142 100

141 89.3 73.0 109.6

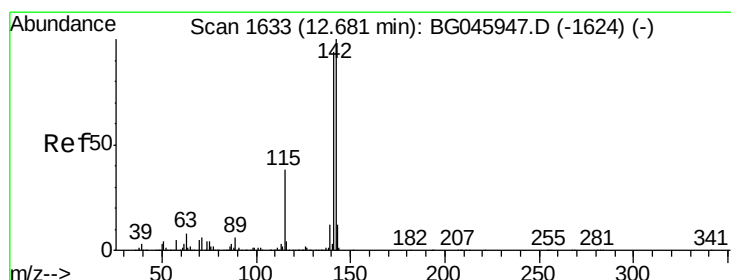
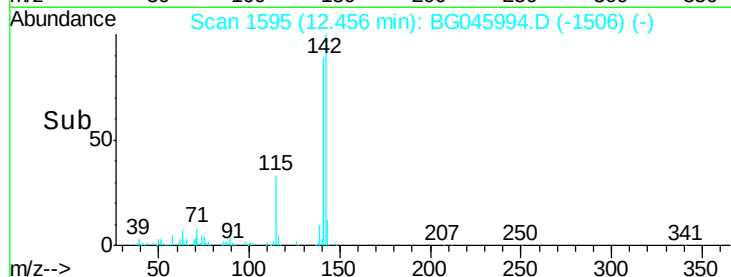
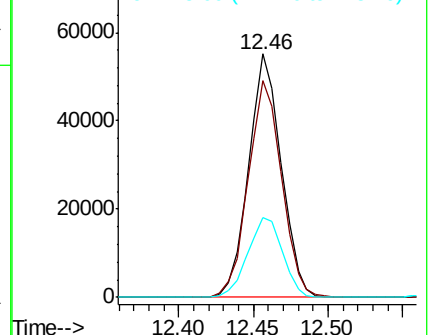
115 32.9 28.8 43.2



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: 3.774 ng

RT: 12.67 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

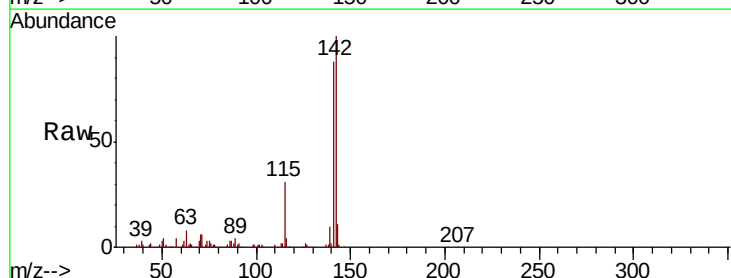
Tgt Ion:142 Resp: 80736

Ion Ratio Lower Upper

142 100

141 87.9 75.2 112.8

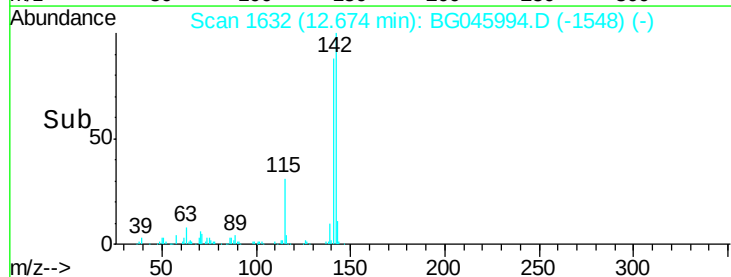
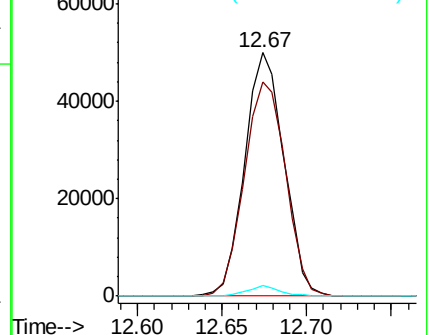
116 4.3 3.1 4.7

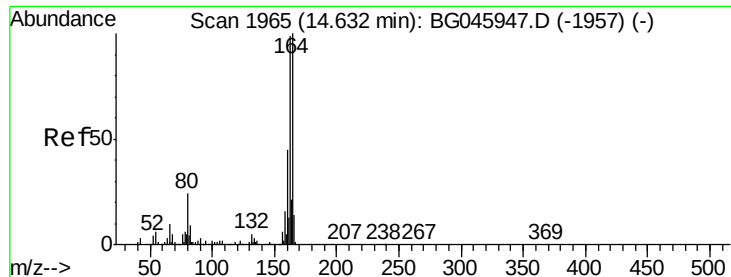


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

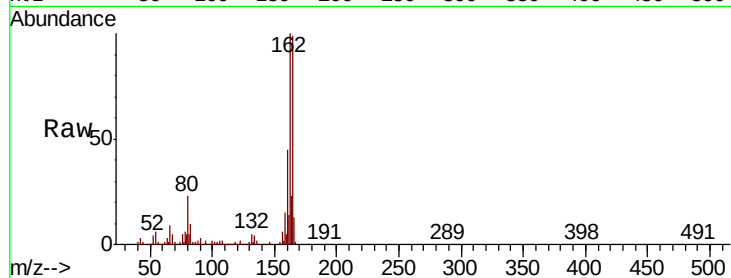
Tot Ion:164 Resp: 346221

Ion Ratio Lower Upper

164 100

162 100.8 79.3 118.9

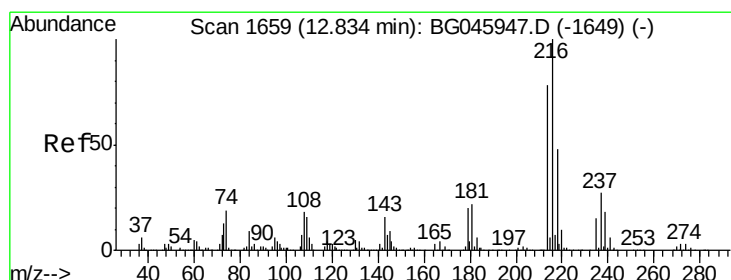
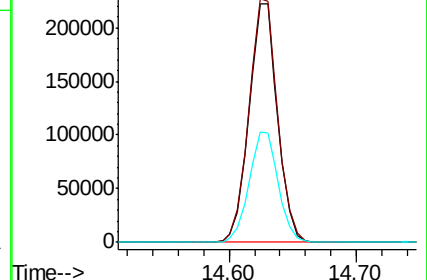
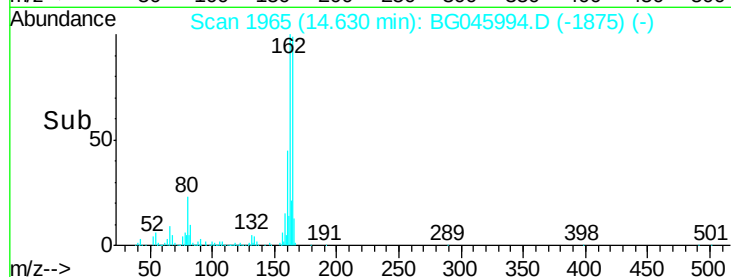
160 45.5 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.836 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Tgt Ion:216 Resp: 37437

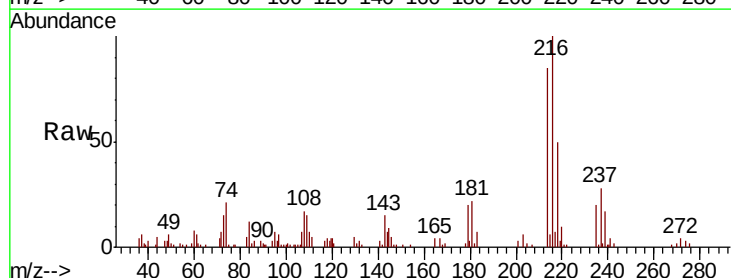
Ion Ratio Lower Upper

216 100

214 83.1 63.0 94.4

179 22.0 17.0 25.6

108 21.9 17.3 25.9

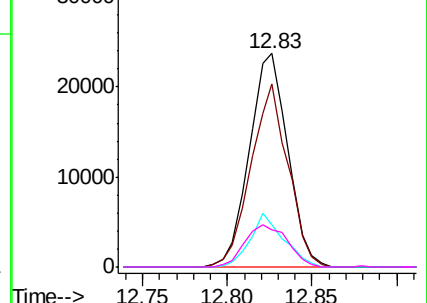
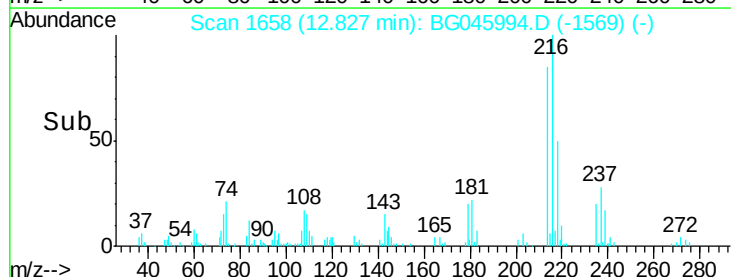


Abundance Ion 216.00 (215.70 to 216.70): E

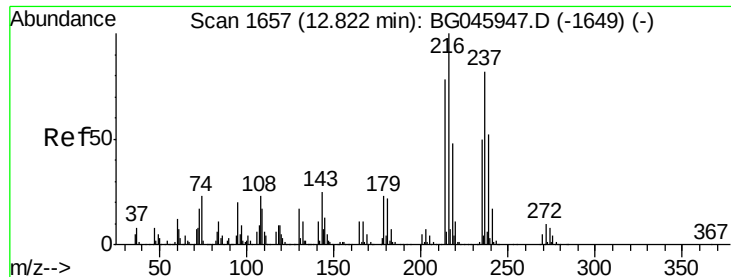
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E







#41

Hexachlorocyclopentadiene

Concen: 3.433 ng

RT: 12.81 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

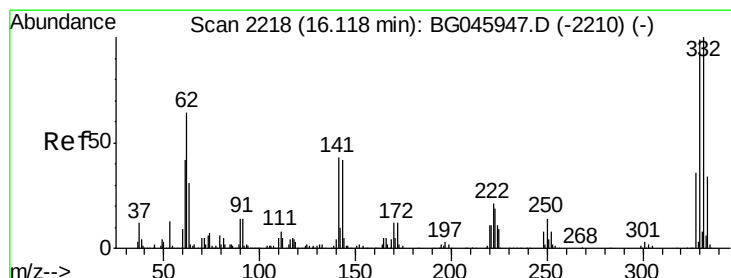
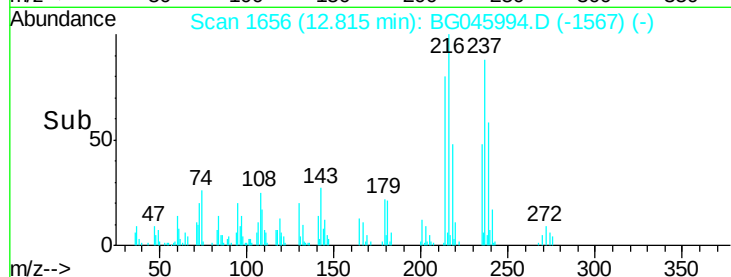
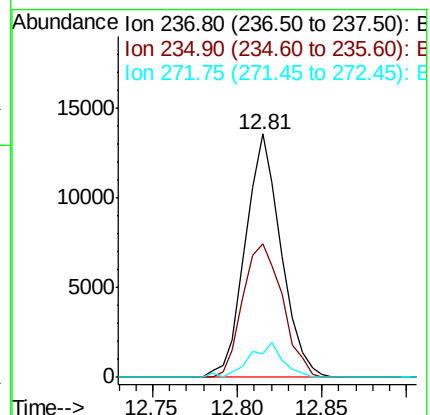
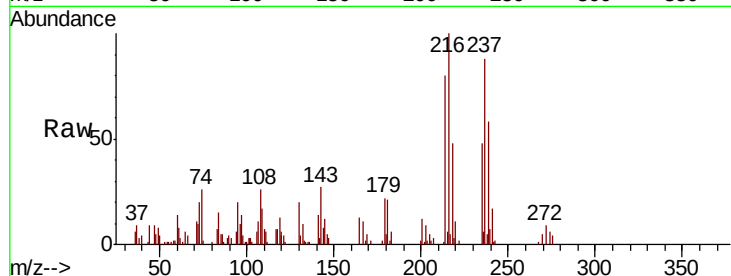
Tot Ion:237 Resp: 19881

Ion Ratio Lower Upper

237 100

235 54.9 41.5 81.5

272 9.7 0.0 31.7



#42

2,4,6-Tribromophenol

Concen: 144.246 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

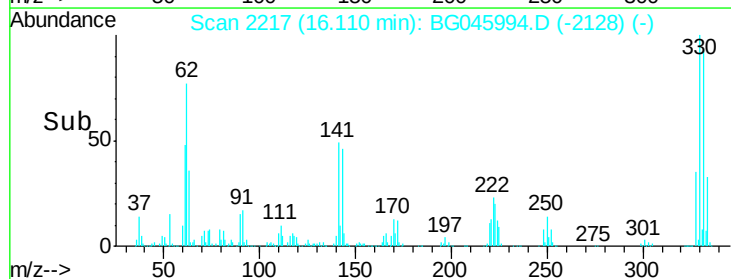
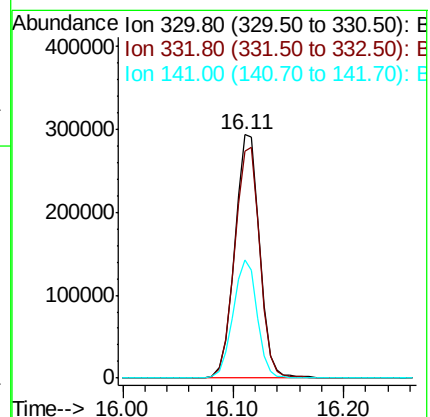
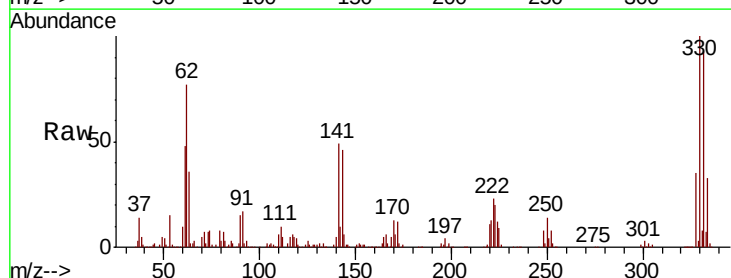
Tgt Ion:330 Resp: 463505

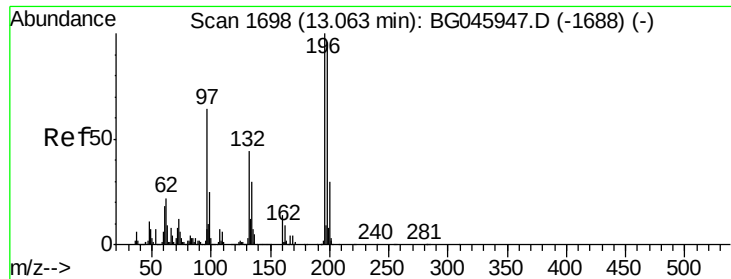
Ion Ratio Lower Upper

330 100

332 96.4 78.3 117.5

141 47.4 36.6 54.8

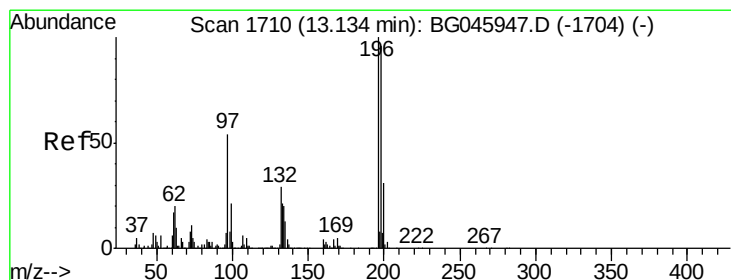
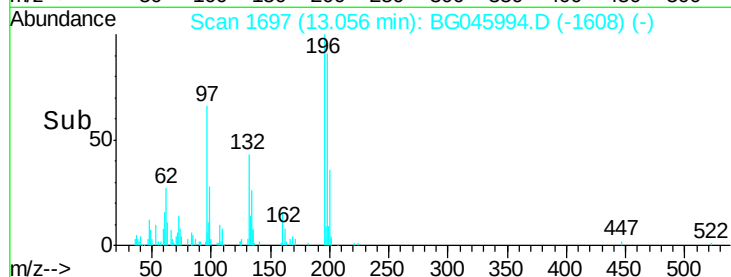
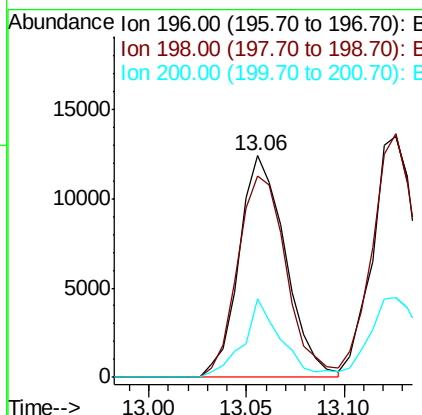
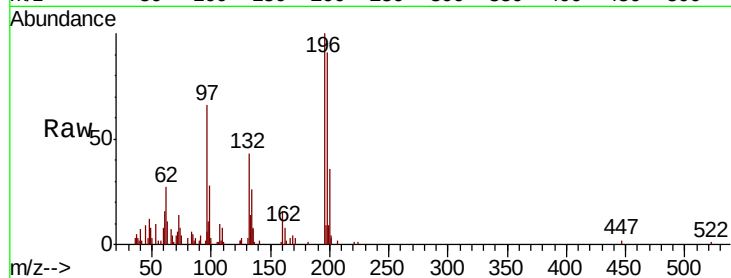




#43  
2,4,6-Trichlorophenol  
Concen: 3.092 ng  
RT: 13.06 min Scan# 1697  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

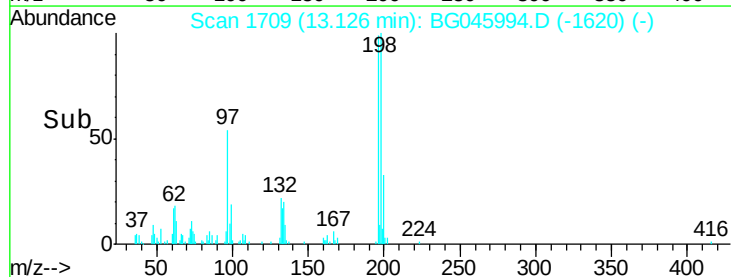
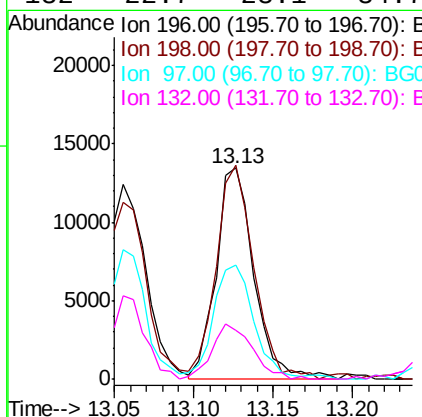
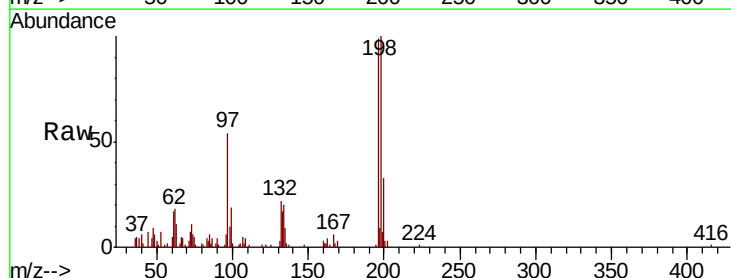
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2020

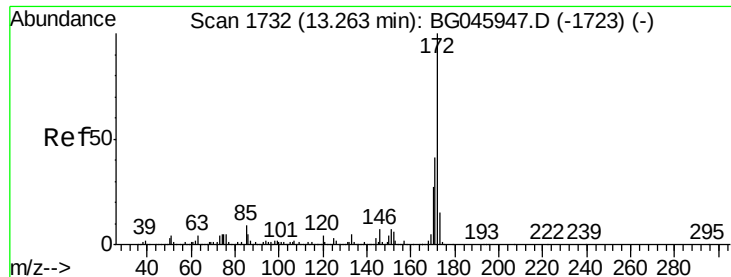
Tot Ion:196 Resp: 20406  
Ion Ratio Lower Upper  
196 100  
198 90.8 76.7 115.1  
200 35.5 24.3 36.5



#44  
2,4,5-Trichlorophenol  
Concen: 2.985 ng  
RT: 13.13 min Scan# 1709  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

Tgt Ion:196 Resp: 22277  
Ion Ratio Lower Upper  
196 100  
198 101.1 77.0 115.6  
97 54.2 44.3 66.5  
132 22.7 23.1 34.7#

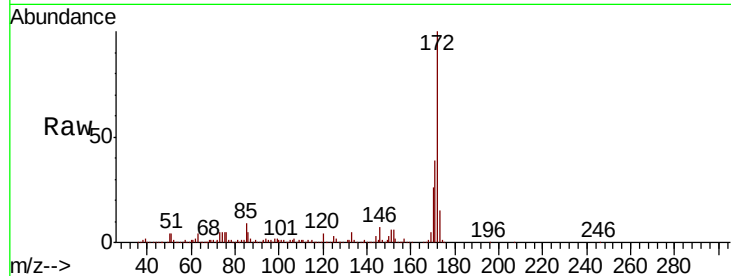




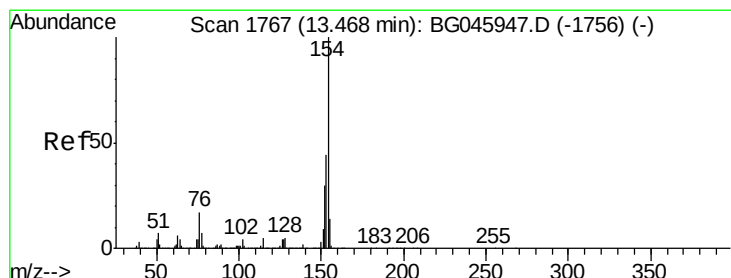
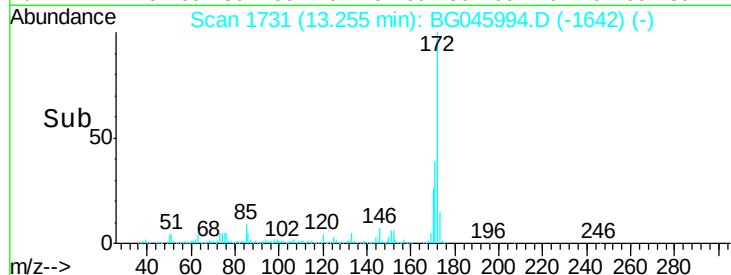
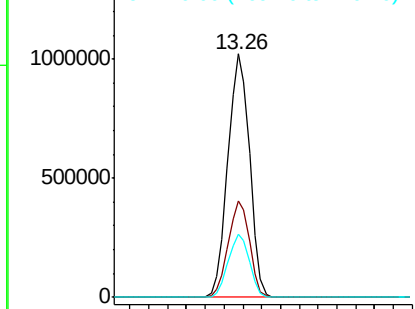
#45  
2-Fluorobiphenyl  
Concen: 73.493 ng  
RT: 13.26 min Scan# 1731  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2020

Tot Ion:172 Resp: 1631270  
Ion Ratio Lower Upper  
172 100  
171 39.4 32.9 49.3  
170 25.7 21.8 32.6

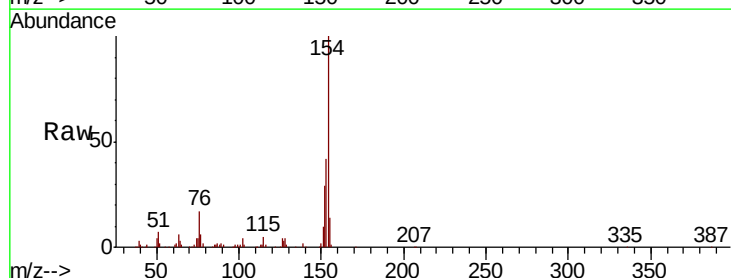


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

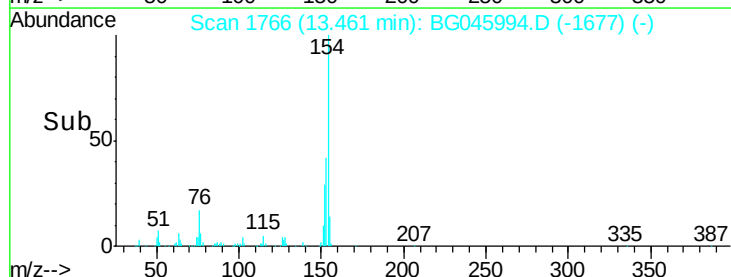
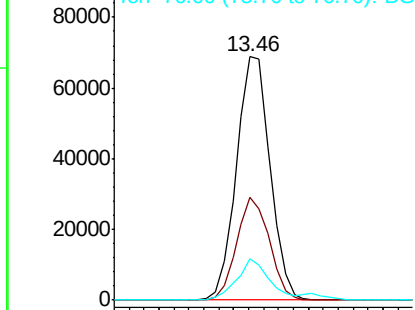


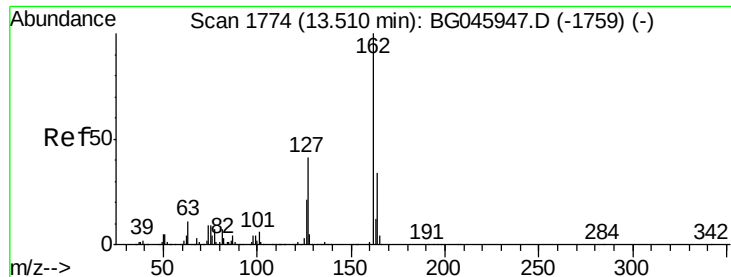
#46  
1,1'-Biphenyl  
Concen: 4.124 ng  
RT: 13.46 min Scan# 1766  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

Tgt Ion:154 Resp: 107413  
Ion Ratio Lower Upper  
154 100  
153 42.4 23.6 63.6  
76 17.1 0.0 36.9



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): BG

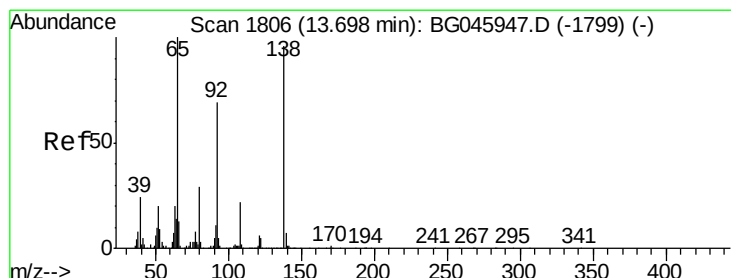
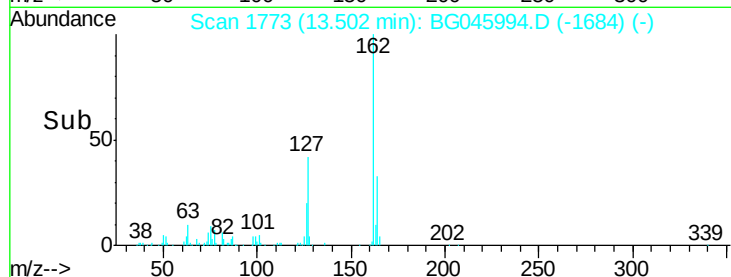
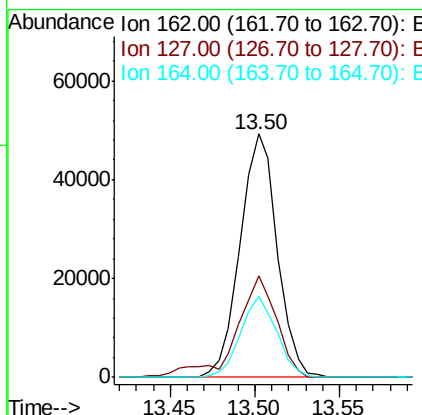
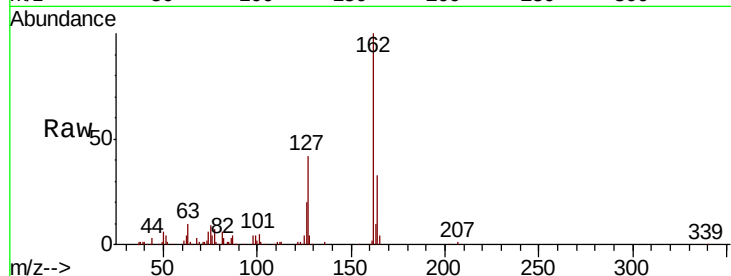




#47  
2-Chloronaphthalene  
Concen: 3.658 ng  
RT: 13.50 min Scan# 1773  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

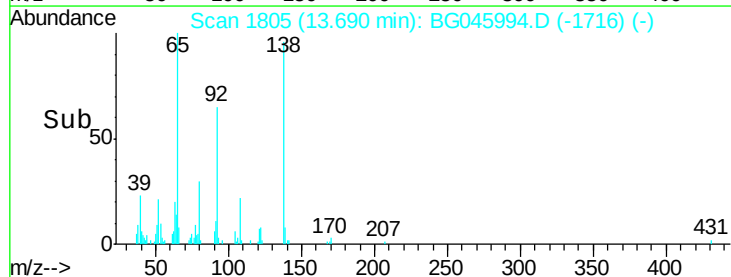
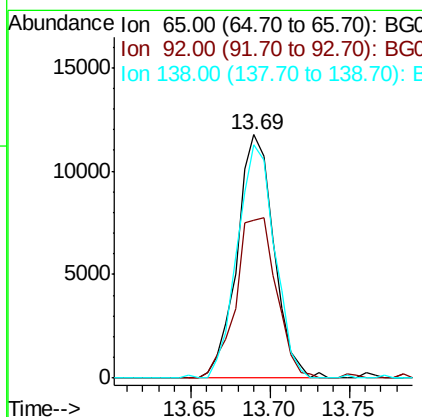
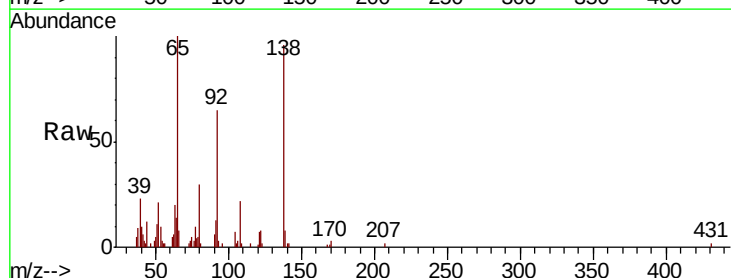
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2020

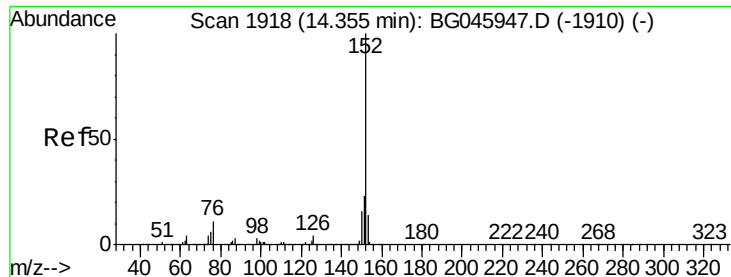
Tot Ion:162 Resp: 75167  
Ion Ratio Lower Upper  
162 100  
127 41.9 32.5 48.7  
164 33.1 27.2 40.8



#48  
2-Nitroaniline  
Concen: 3.936 ng  
RT: 13.69 min Scan# 1805  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

Tgt Ion: 65 Resp: 18930  
Ion Ratio Lower Upper  
65 100  
92 64.6 55.4 83.0  
138 95.9 77.0 115.4





#49

Acenaphthylene

Concen: 3.874 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

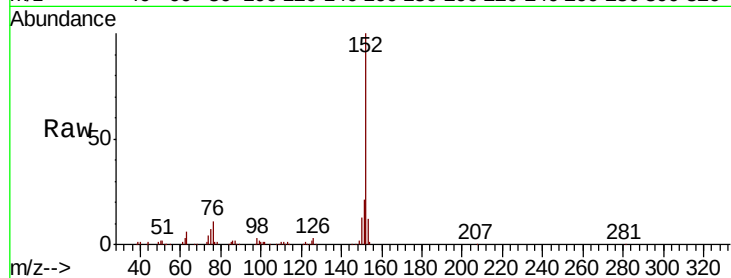
Tot Ion:152 Resp: 128442

Ion Ratio Lower Upper

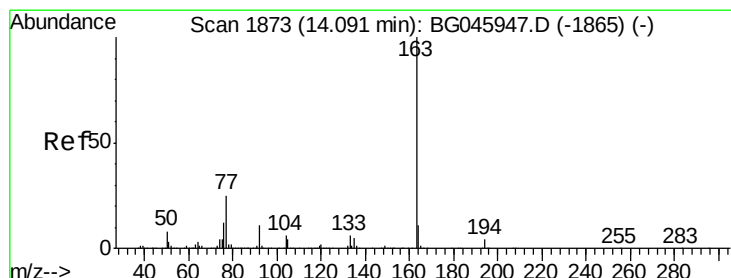
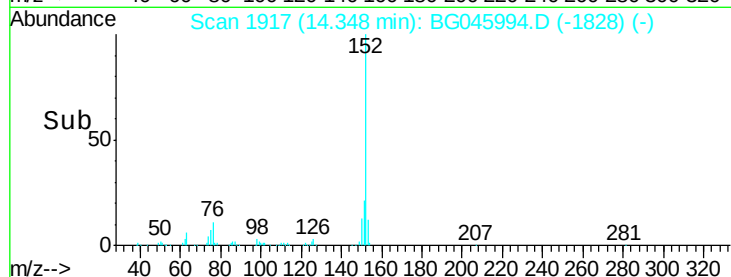
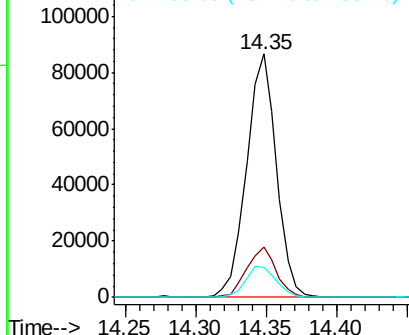
152 100

151 20.6 18.1 27.1

153 12.3 11.5 17.3



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



#50

Dimethylphthalate

Concen: 3.496 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

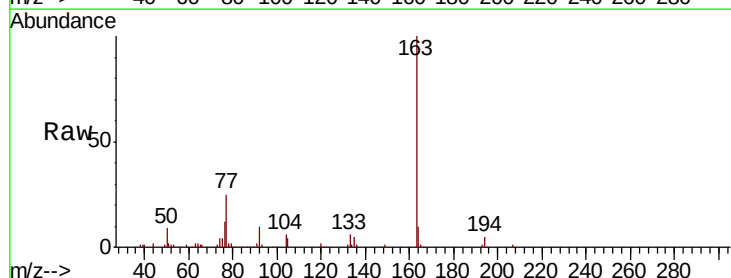
Tgt Ion:163 Resp: 90832

Ion Ratio Lower Upper

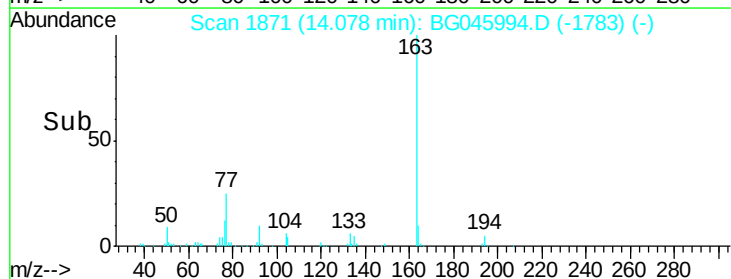
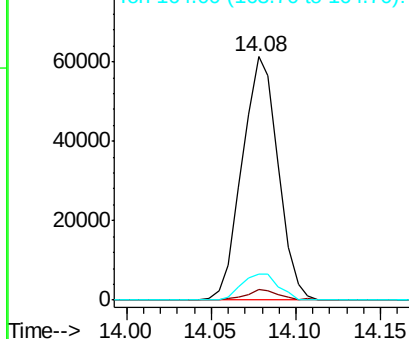
163 100

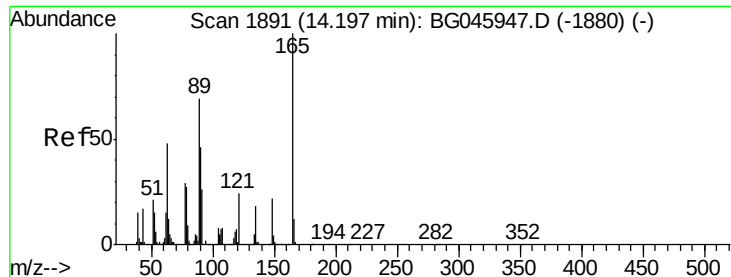
194 4.6 3.6 5.4

164 10.5 8.9 13.3



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

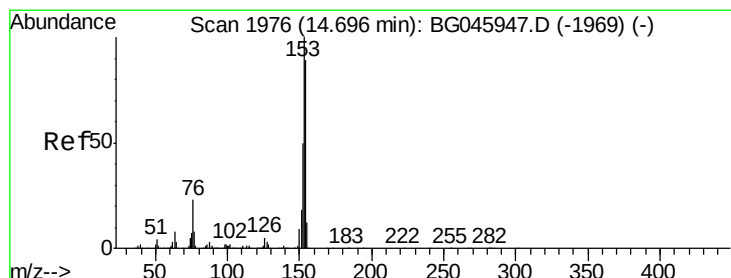
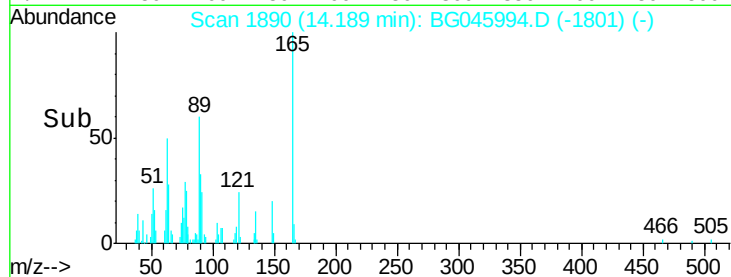
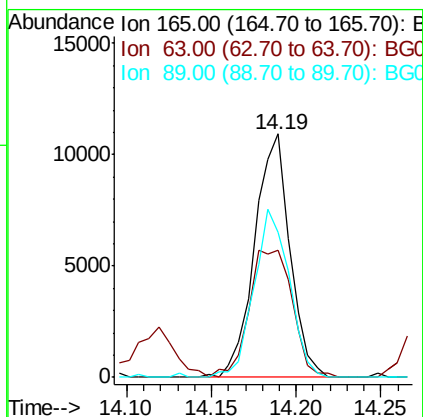
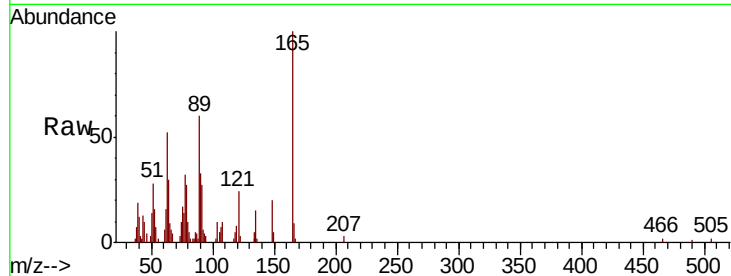




#51  
 2,6-Dinitrotoluene  
 Concen: 3.935 ng  
 RT: 14.19 min Scan# 1890  
 Delta R.T. -0.01 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

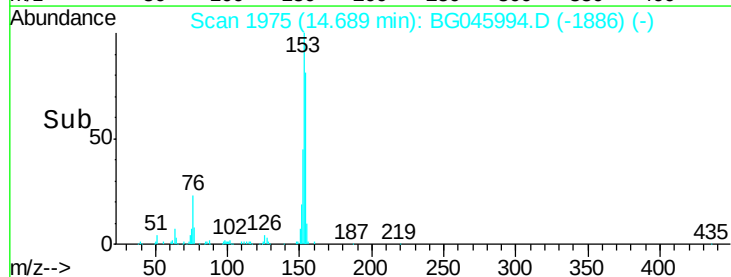
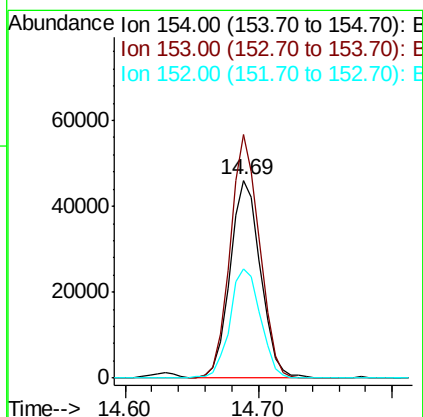
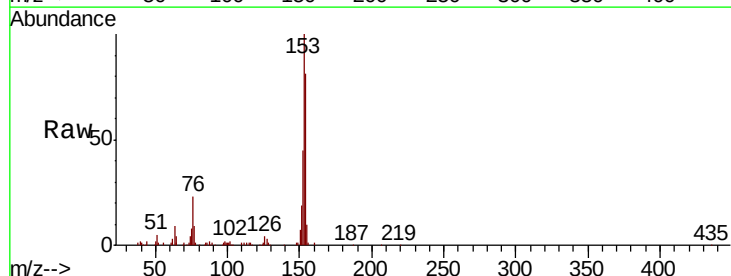
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020

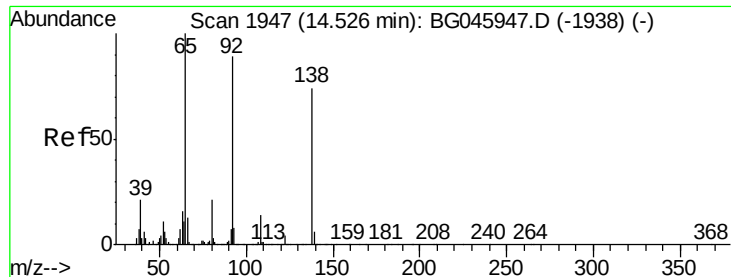
Tot Ion:165 Resp: 15866  
 Ion Ratio Lower Upper  
 165 100  
 63 52.4 51.0 76.4  
 89 59.8 55.7 83.5



#52  
 Acenaphthene  
 Concen: 3.512 ng  
 RT: 14.69 min Scan# 1975  
 Delta R.T. -0.01 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

Tgt Ion:154 Resp: 73451  
 Ion Ratio Lower Upper  
 154 100  
 153 122.9 89.7 134.5  
 152 55.2 44.7 67.1





#53

3-Nitroaniline

Concen: 3.392 ng

RT: 14.51 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

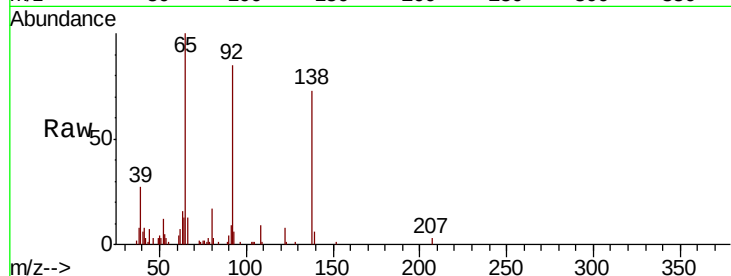
Tot Ion:138 Resp: 16948

Ion Ratio Lower Upper

138 100

108 12.8 15.4 23.2#

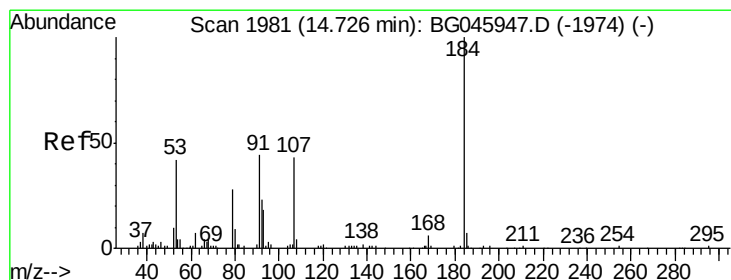
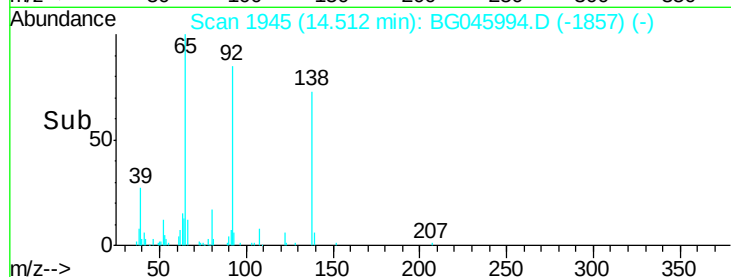
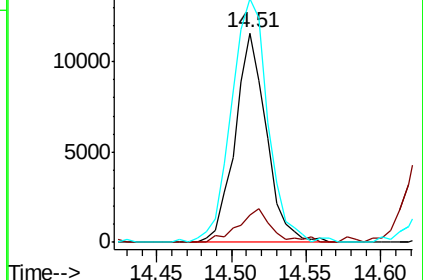
92 116.3 95.9 143.9



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 1.699 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

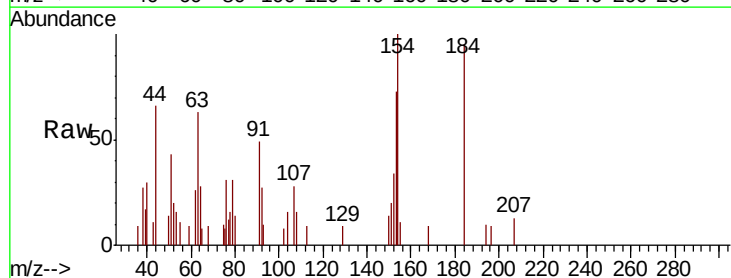
Tgt Ion:184 Resp: 2416

Ion Ratio Lower Upper

184 100

63 65.8 46.0 69.0

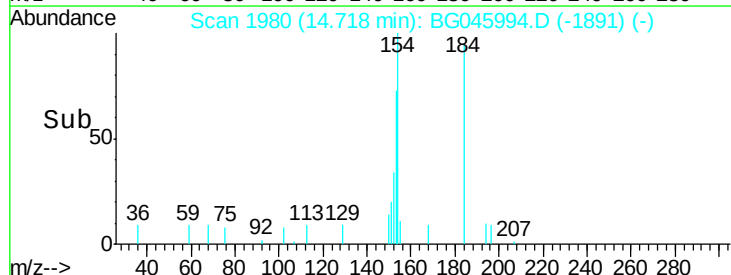
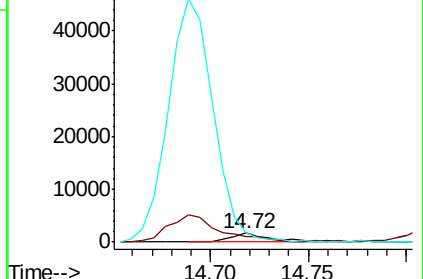
154 104.9 58.2 87.2#

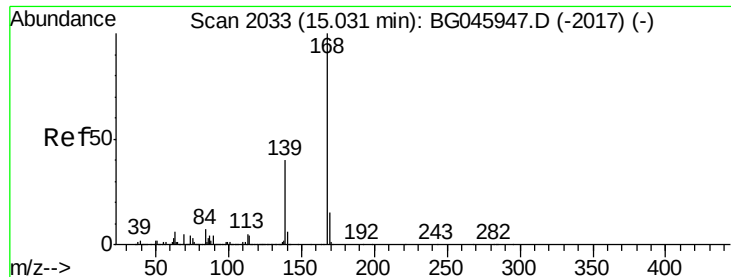


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

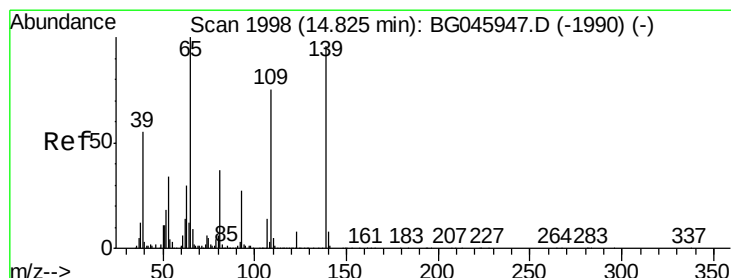
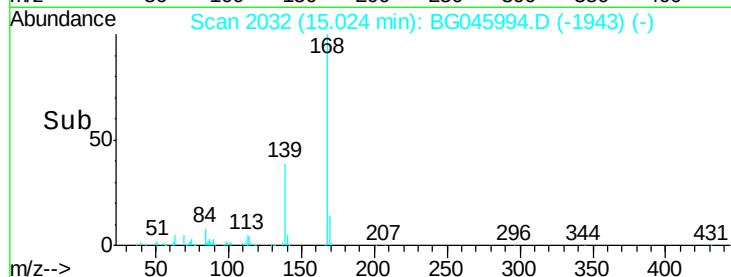
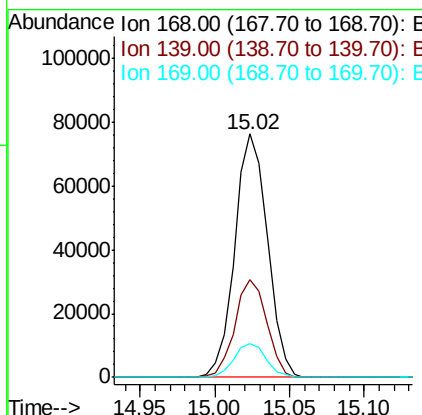
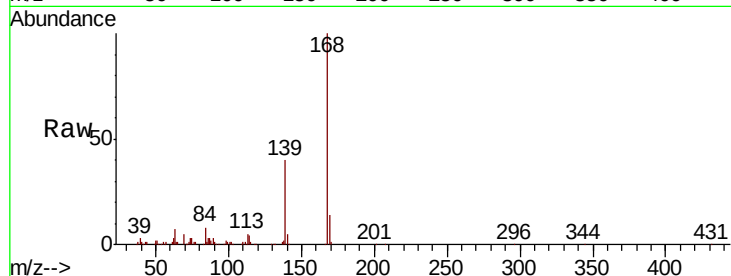




#55  
Dibenzofuran  
Concen: 3.784 ng  
RT: 15.02 min Scan# 2032  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

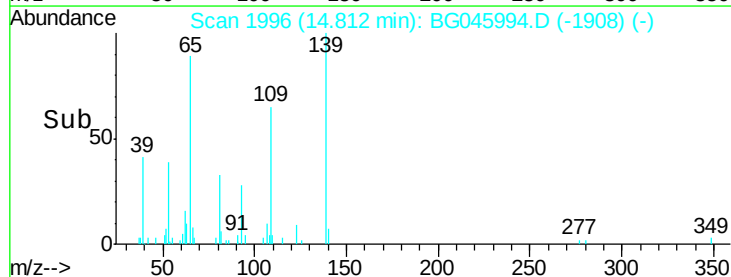
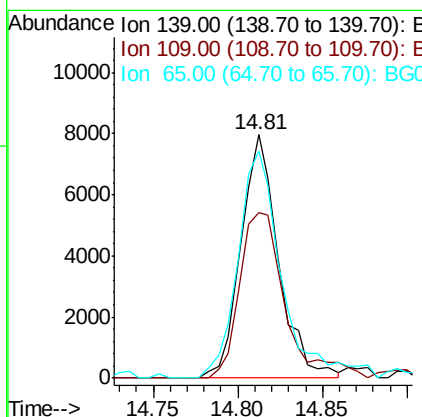
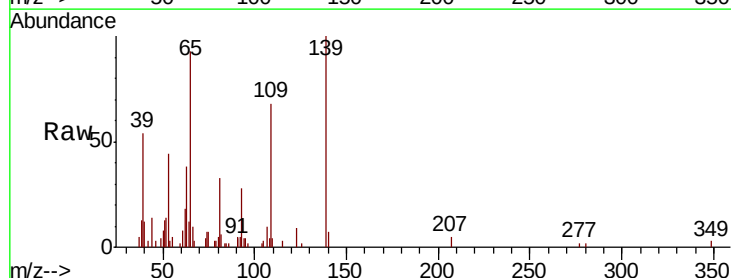
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2020

Tot Ion:168 Resp: 116013  
Ion Ratio Lower Upper  
168 100  
139 40.0 32.2 48.2  
169 14.0 11.8 17.8

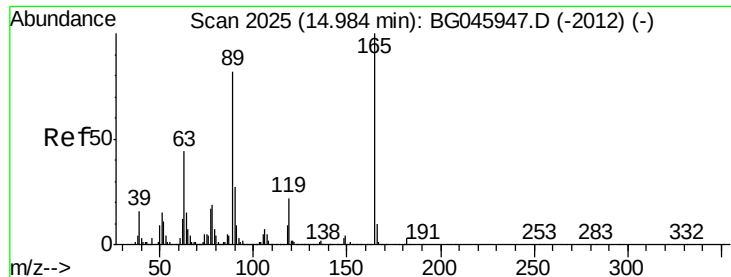


#56  
4-Nitrophenol  
Concen: 2.913 ng  
RT: 14.81 min Scan# 1996  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

Tgt Ion:139 Resp: 12331  
Ion Ratio Lower Upper  
139 100  
109 67.9 58.5 98.5  
65 93.2 84.7 124.7



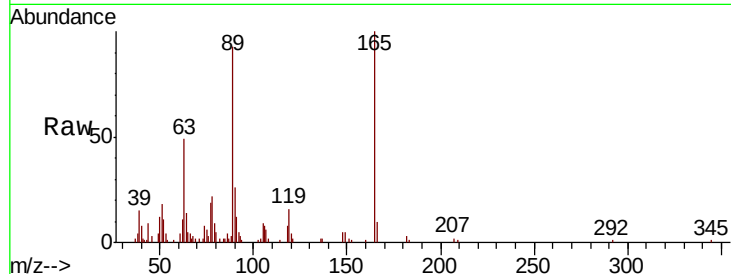




#57  
 2,4-Dinitrotoluene  
 Concen: 3.895 ng  
 RT: 14.97 min Scan# 2023  
 Delta R.T. -0.01 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 49.2  | 35.4  | 53.0  |
| 89      | 93.5  | 65.4  | 98.2  |
| 182     | 2.5   | 2.0   | 3.0   |



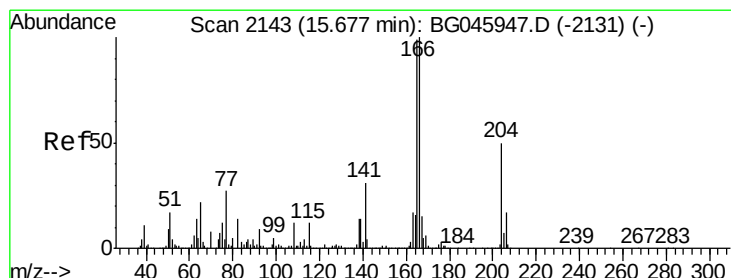
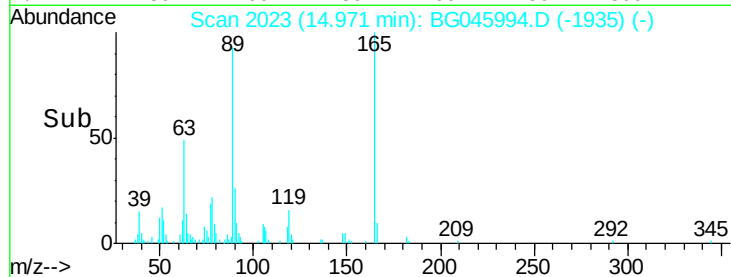
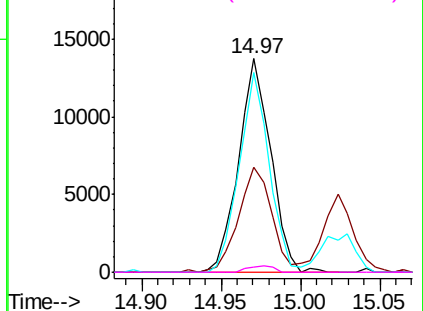
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

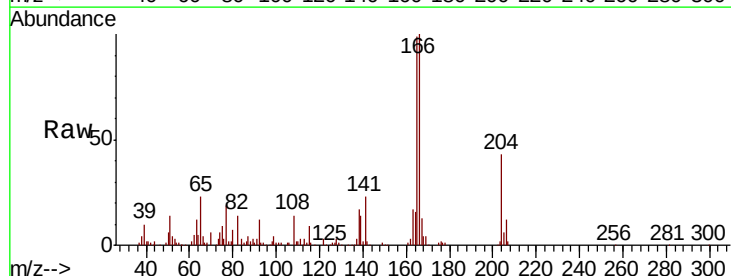
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#58  
 Fluorene  
 Concen: 3.730 ng  
 RT: 15.68 min Scan# 2143  
 Delta R.T. -0.00 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.7  | 78.9  | 118.3 |
| 167     | 12.9  | 12.1  | 18.1  |

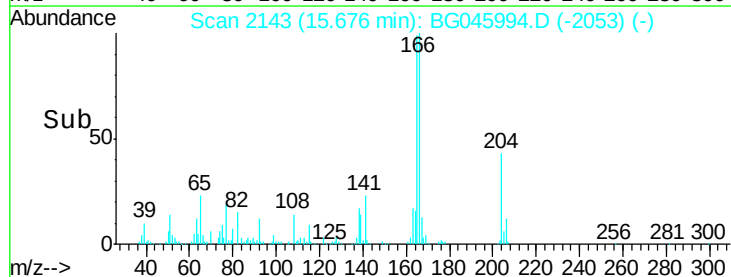
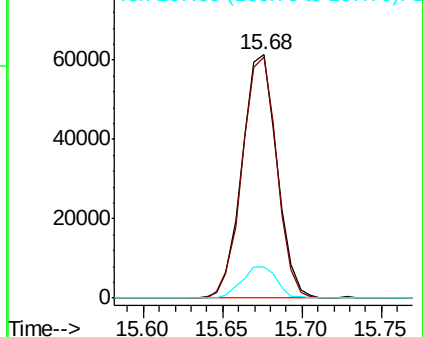


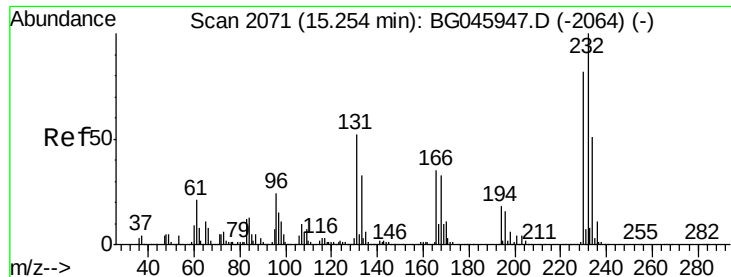
Abundance

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

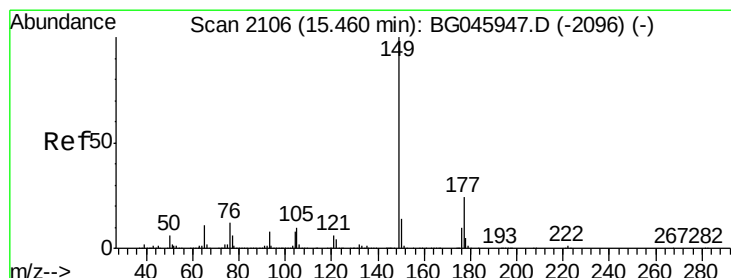
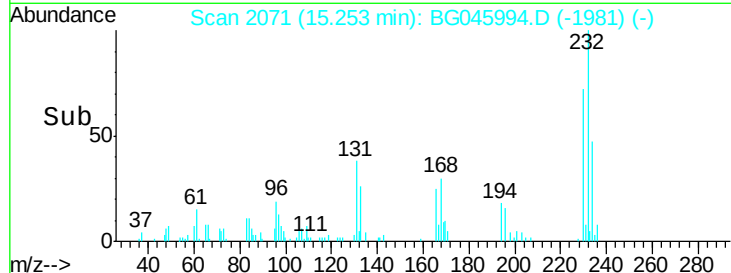
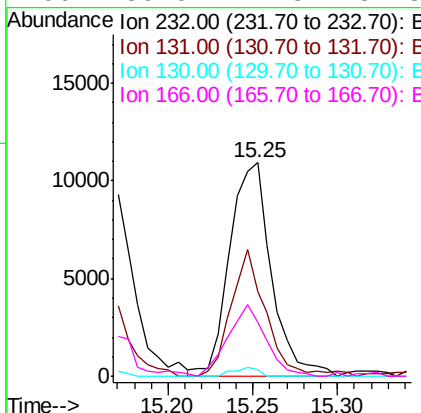
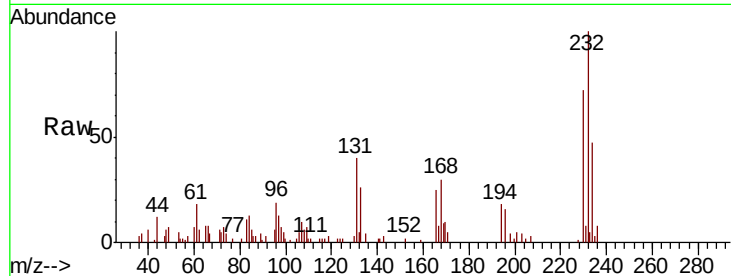




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 3.272 ng  
 RT: 15.25 min Scan# 2071  
 Delta R.T. -0.00 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

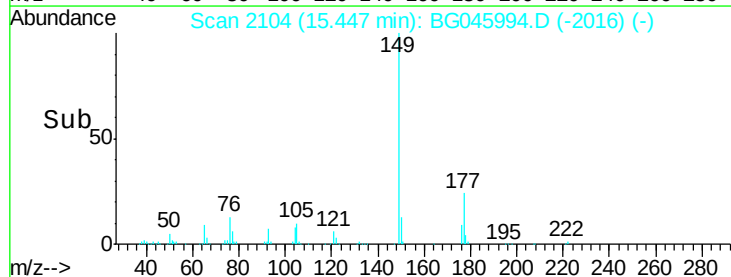
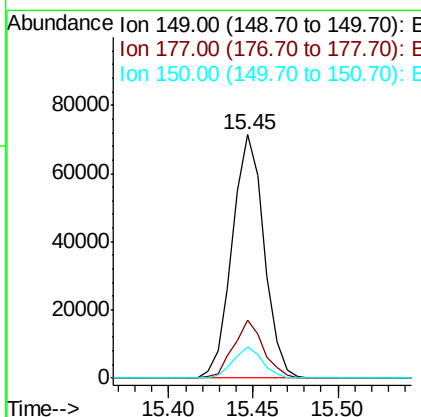
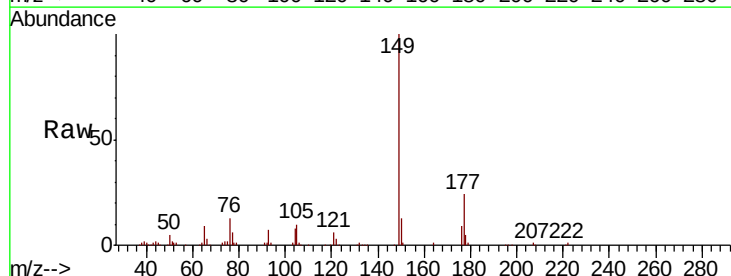
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020

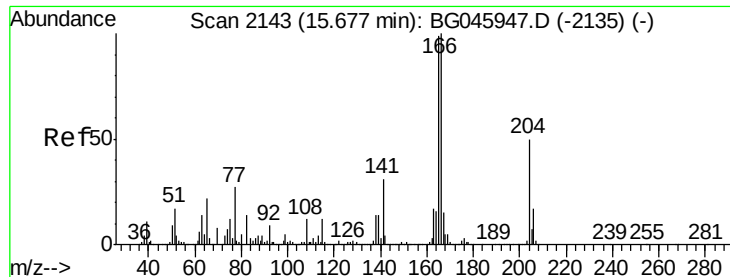
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:232 | Resp: | 18853     |
| Ion Ratio   | Lower | Upper     |
| 232         | 100   |           |
| 131         | 48.8  | 35.8 53.6 |
| 130         | 2.6   | 2.5 3.7   |
| 166         | 30.0  | 21.8 32.8 |



#60  
 Diethylphthalate  
 Concen: 3.426 ng  
 RT: 15.45 min Scan# 2104  
 Delta R.T. -0.01 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 93362     |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 23.8  | 19.0 28.4 |
| 150         | 12.8  | 11.0 16.4 |

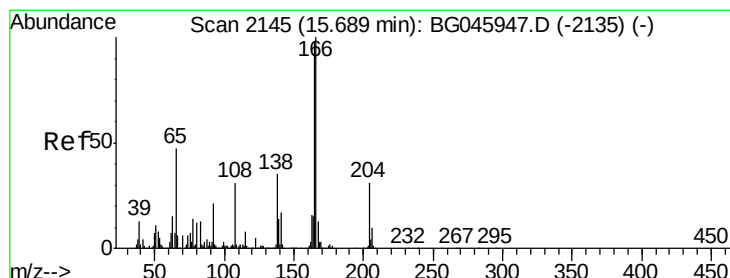
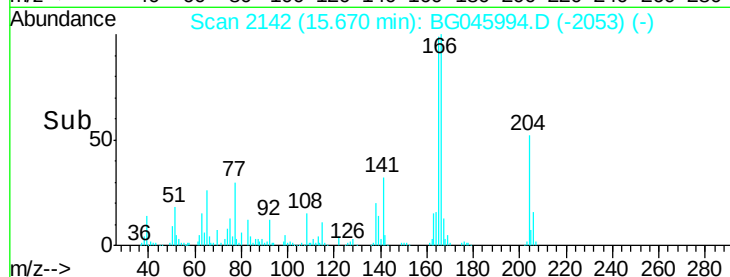
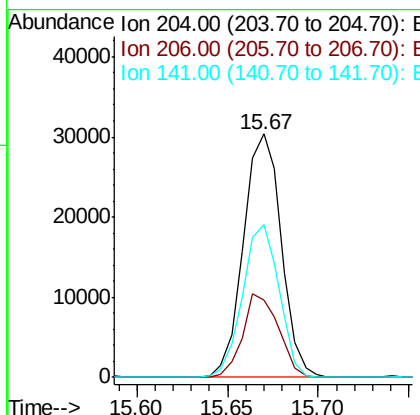
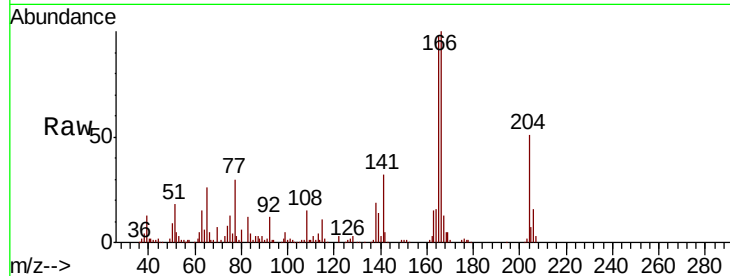




#61  
 4-Chlorophenyl-phenylether  
 Concen: 3.534 ng  
 RT: 15.67 min Scan# 2142  
 Delta R.T. -0.01 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

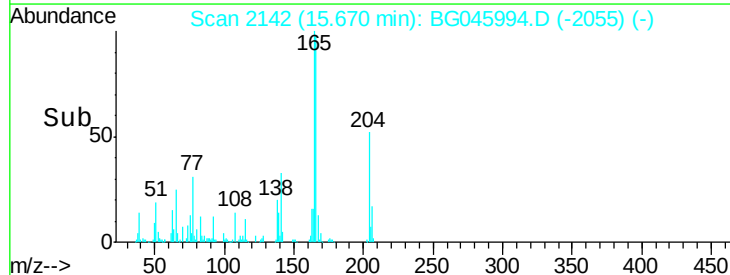
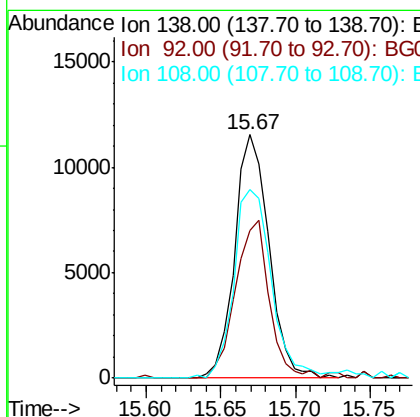
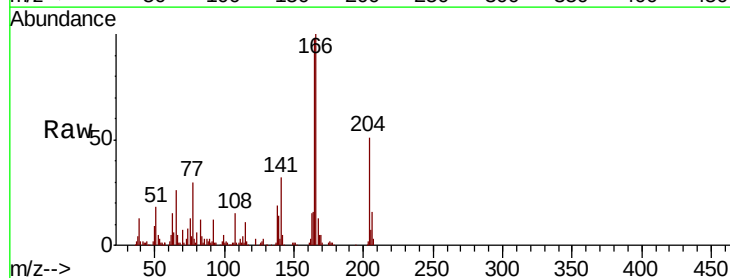
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020

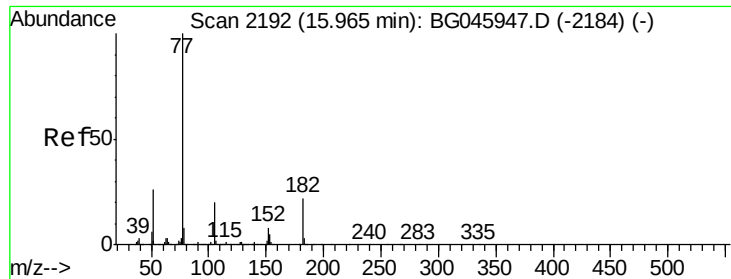
Tot Ion:204 Resp: 44218  
 Ion Ratio Lower Upper  
 204 100  
 206 31.9 27.1 40.7  
 141 62.7 49.8 74.8



#62  
 4-Nitroaniline  
 Concen: 3.428 ng  
 RT: 15.67 min Scan# 2142  
 Delta R.T. -0.02 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

Tgt Ion:138 Resp: 18409  
 Ion Ratio Lower Upper  
 138 100  
 92 60.9 40.3 80.3  
 108 77.7 68.0 108.0

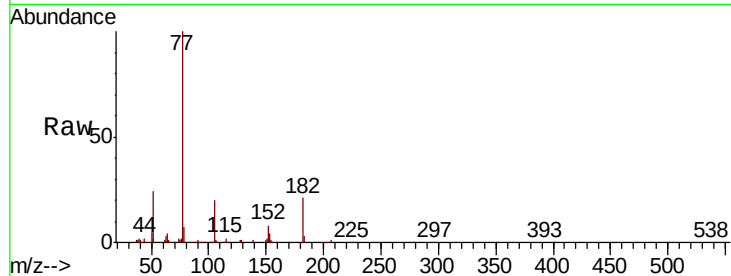




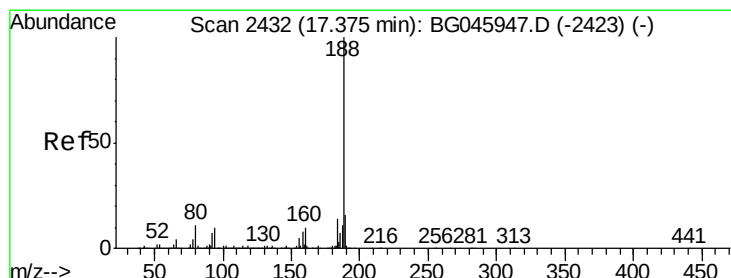
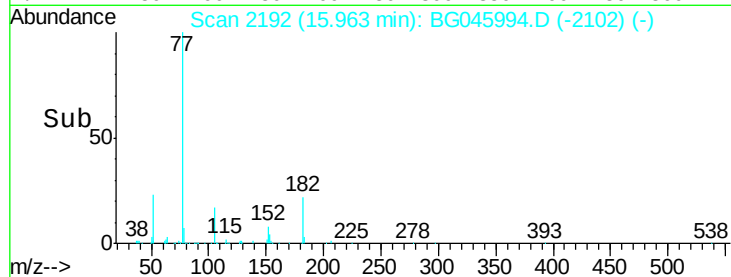
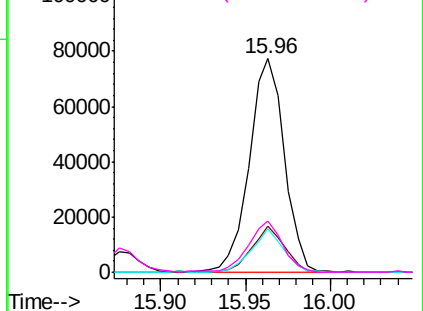
#63  
Azobenzene  
Concen: 3.822 ng  
RT: 15.96 min Scan# 2192  
Delta R.T. -0.00 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2020

| Tot Ion: | 77    | Resp: | 111786 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 21.5  | 2.4   | 42.4   |
| 105      | 20.4  | 0.3   | 40.3   |
| 51       | 23.7  | 6.3   | 46.3   |

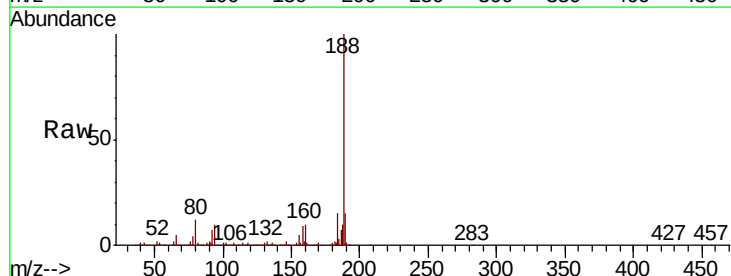


Abundance Ion 77.00 (76.70 to 77.70): BGC  
120000  
Ion 182.00 (181.70 to 182.70): BGC  
100000  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

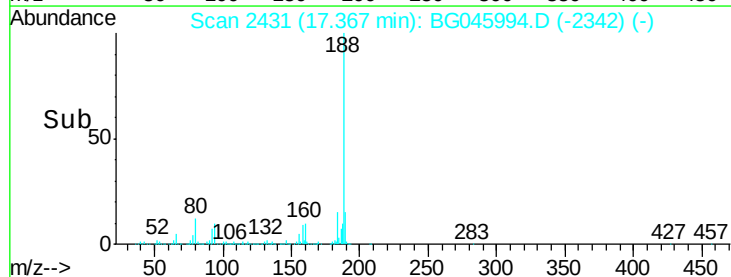
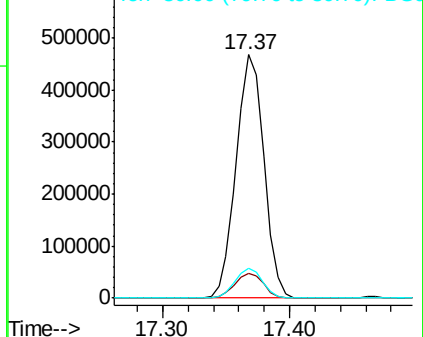


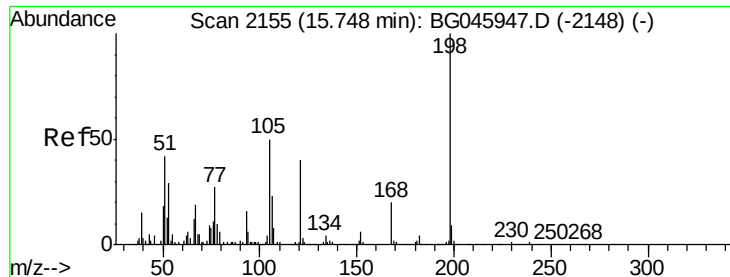
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.37 min Scan# 2431  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

| Tgt Ion: | 188   | Resp: | 710700 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 10.3  | 8.2   | 12.4   |
| 80       | 12.5  | 9.0   | 13.6   |



Abundance Ion 188.00 (187.70 to 188.70): BGC  
600000  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

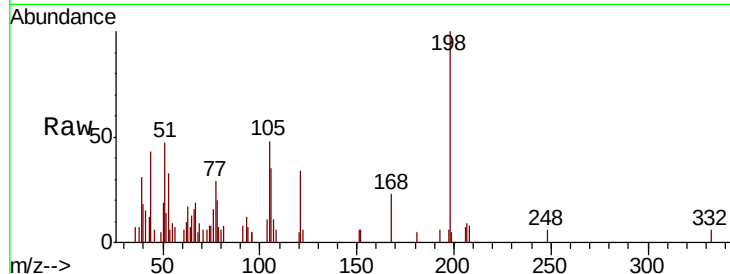




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 2.462 ng  
 RT: 15.74 min Scan# 2154  
 Delta R.T. -0.01 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 46.9  | 24.5  | 64.5  |
| 105     | 48.1  | 30.9  | 70.9  |

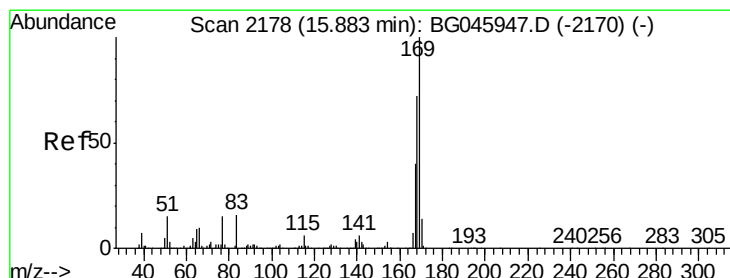
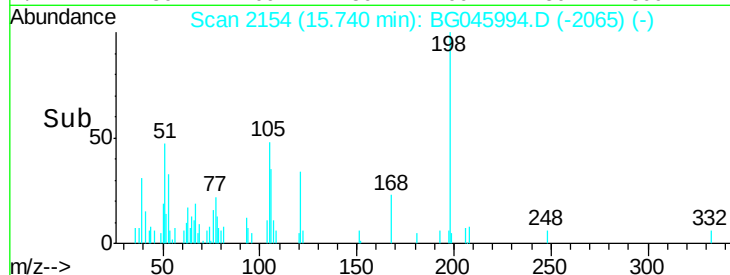
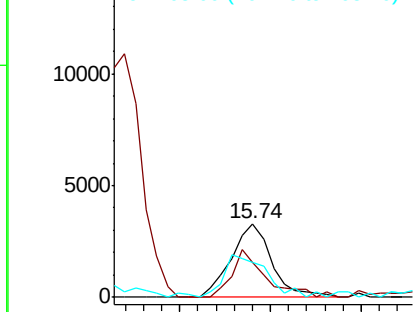


Abundance

Ion 198.00 (197.70 to 198.70): E

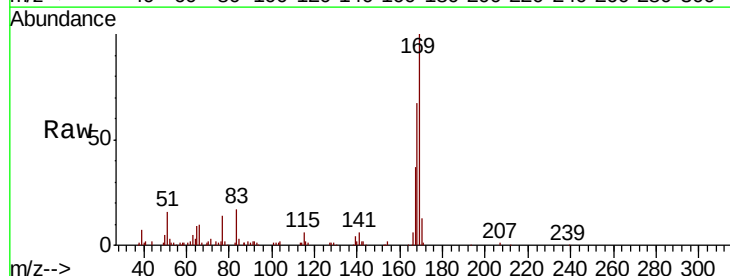
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66  
 n-Nitrosodiphenylamine  
 Concen: 3.626 ng  
 RT: 15.88 min Scan# 2177  
 Delta R.T. -0.01 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.0  | 57.3  | 85.9  |
| 167     | 37.3  | 32.1  | 48.1  |

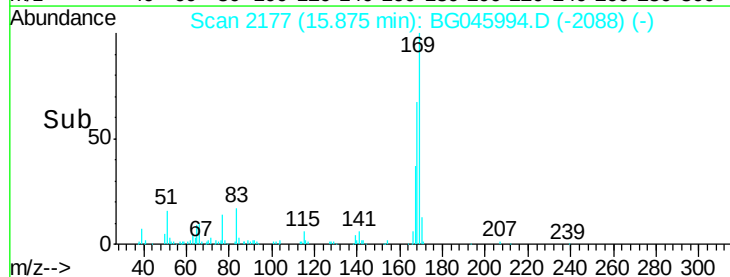
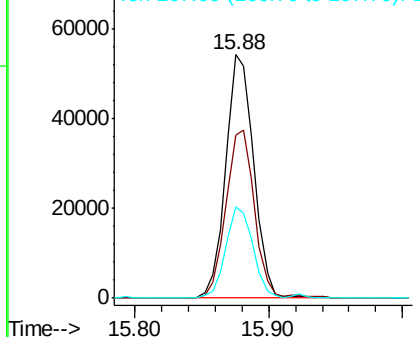


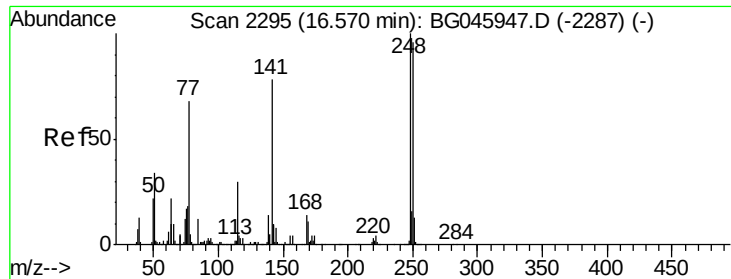
Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.336 ng

RT: 16.57 min Scan# 2295

Delta R.T. -0.00 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

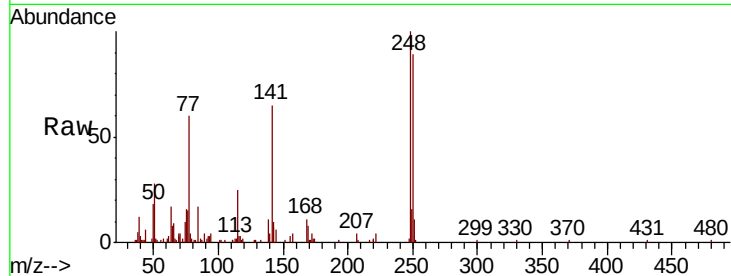
Tot Ion:248 Resp: 26478

Ion Ratio Lower Upper

248 100

250 89.4 76.6 114.8

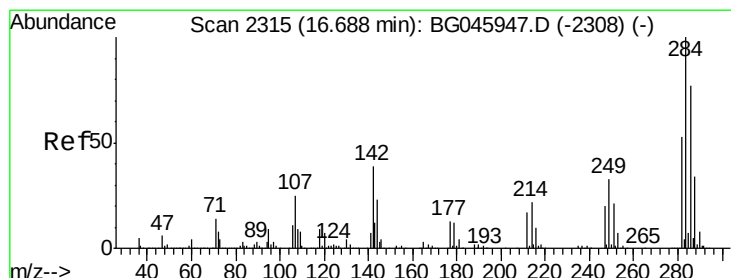
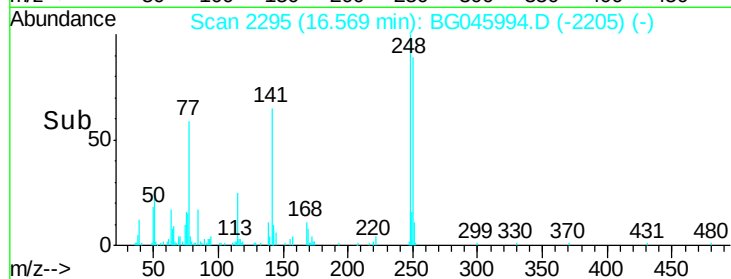
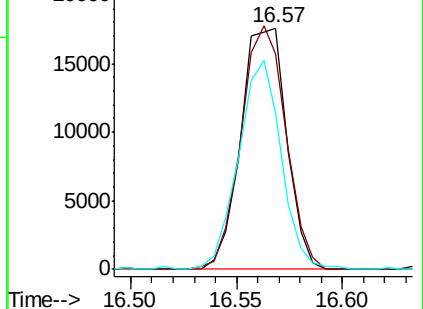
141 65.0 62.7 94.1



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 3.593 ng

RT: 16.68 min Scan# 2314

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

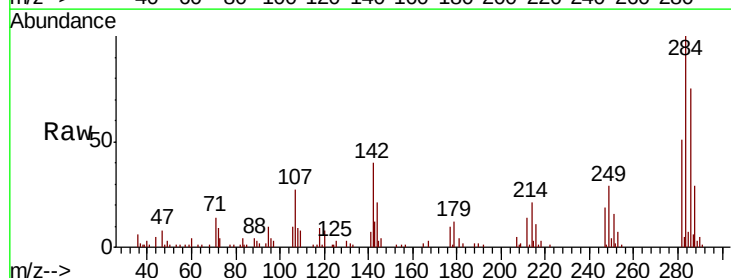
Tgt Ion:284 Resp: 28622

Ion Ratio Lower Upper

284 100

142 39.6 31.3 46.9

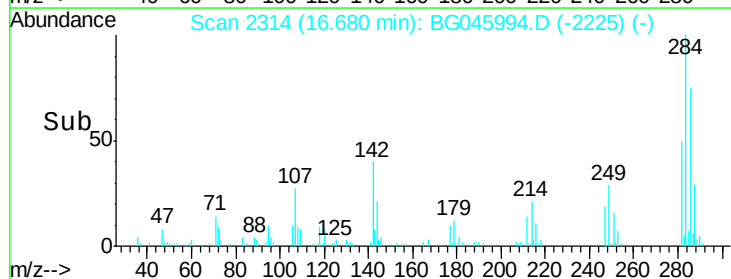
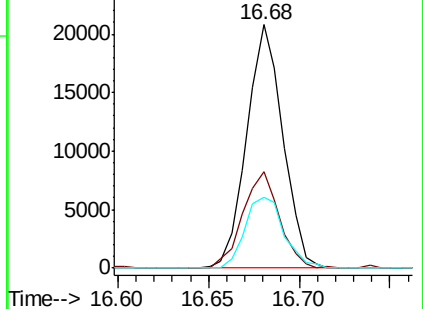
249 29.2 26.8 40.2

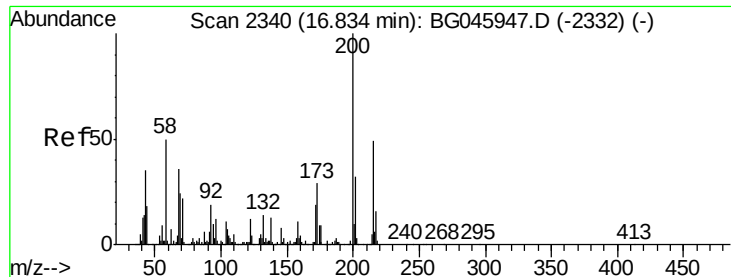


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 3.954 ng

RT: 16.83 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

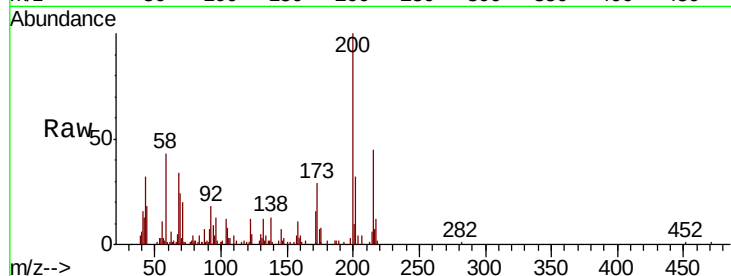
Tot Ion:200 Resp: 25746

Ion Ratio Lower Upper

200 100

173 29.2 9.1 49.1

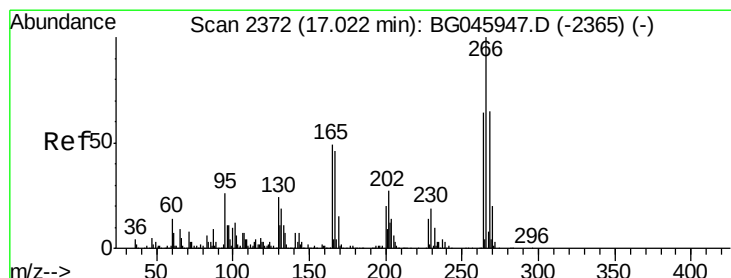
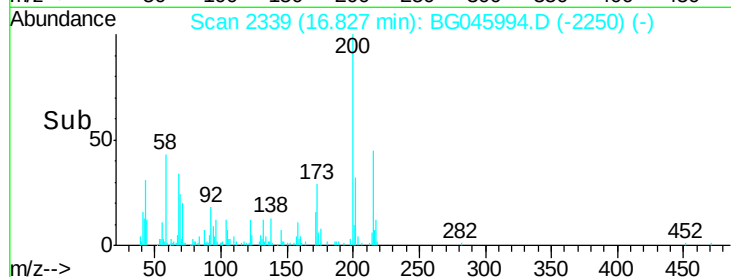
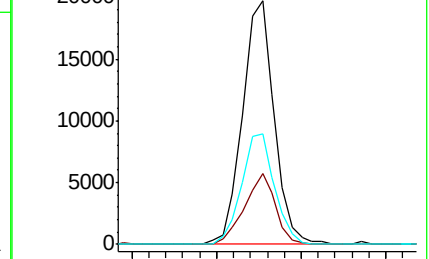
215 45.2 28.8 68.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 2.232 ng

RT: 17.02 min Scan# 2372

Delta R.T. -0.00 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

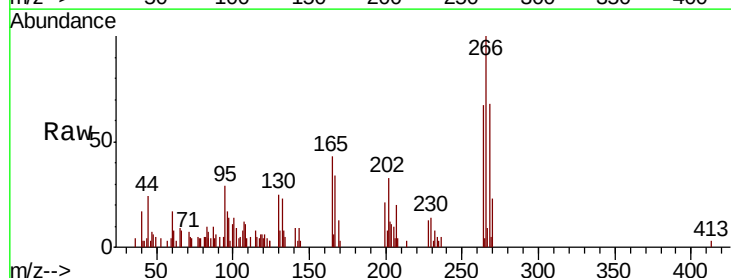
Tgt Ion:266 Resp: 9884

Ion Ratio Lower Upper

266 100

268 67.6 51.8 77.8

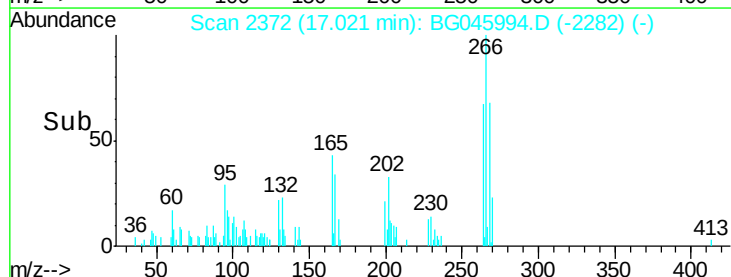
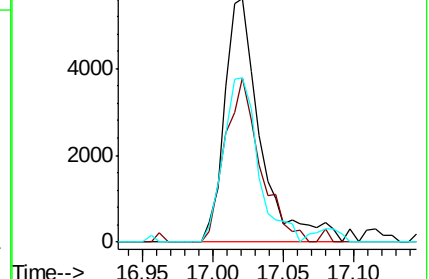
264 67.3 51.4 77.0

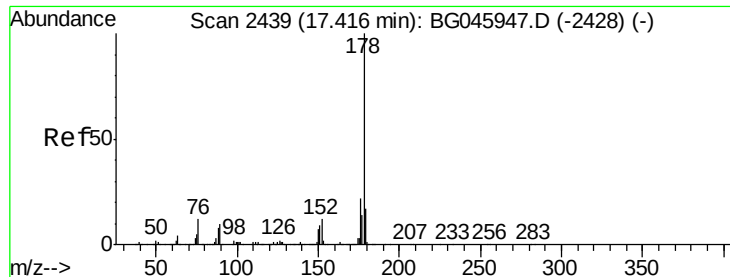


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

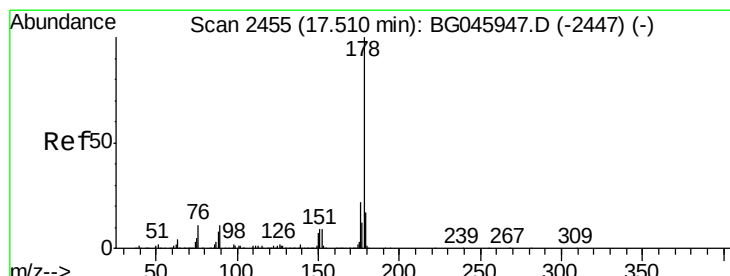
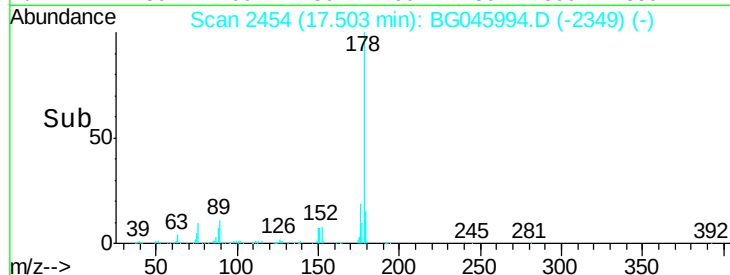
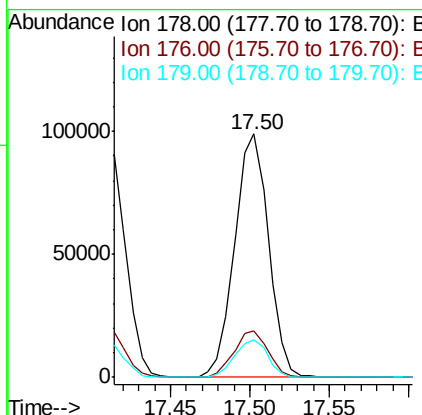
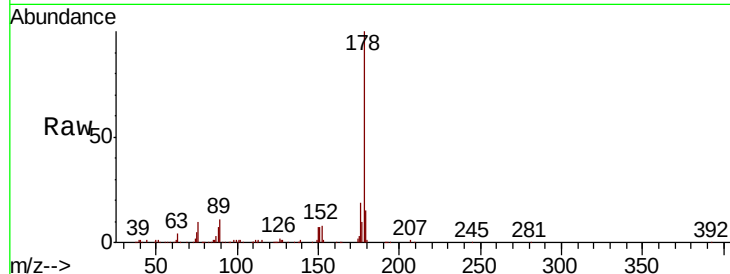




#71  
Phenanthrene  
Concen: 3.912 ng  
RT: 17.50 min Scan# 2454  
Delta R.T. 0.09 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

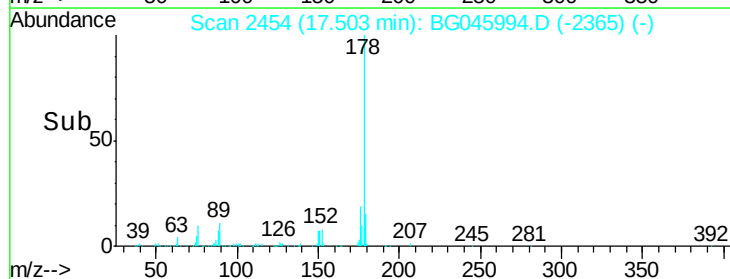
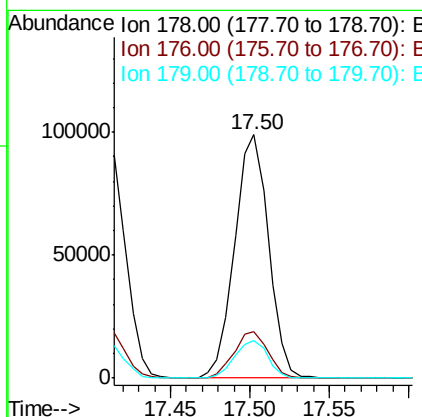
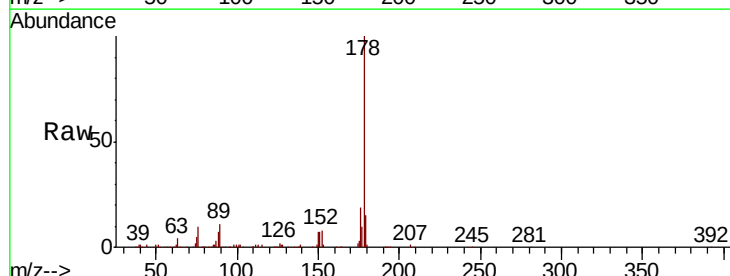
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2020

Tot Ion:178 Resp: 146966  
Ion Ratio Lower Upper  
178 100  
176 19.2 17.4 26.2  
179 15.5 13.4 20.2

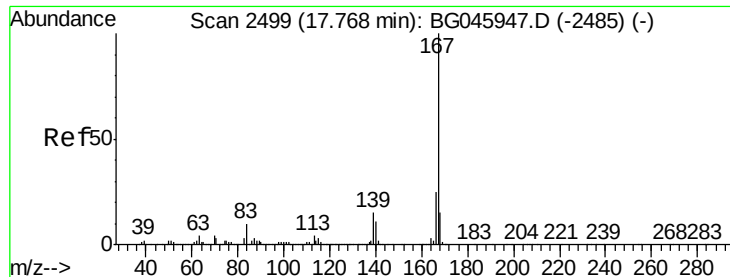


#72  
Anthracene  
Concen: 3.854 ng  
RT: 17.50 min Scan# 2454  
Delta R.T. -0.01 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

Tgt Ion:178 Resp: 146966  
Ion Ratio Lower Upper  
178 100  
176 19.2 17.2 25.8  
179 15.5 14.0 21.0







#73

Carbazole

Concen: 3.522 ng

RT: 17.76 min Scan# 2498

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

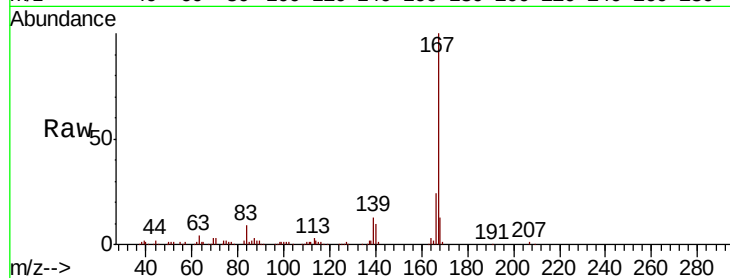
Tot Ion:167 Resp: 134617

Ion Ratio Lower Upper

167 100

166 23.6 20.4 30.6

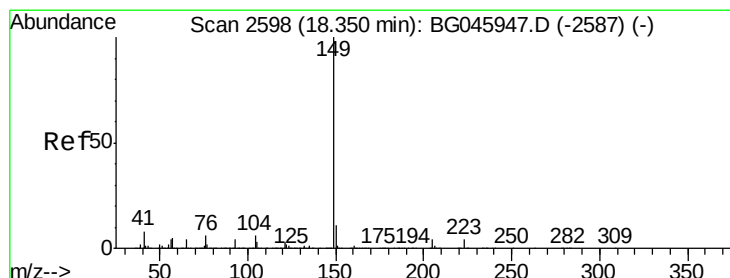
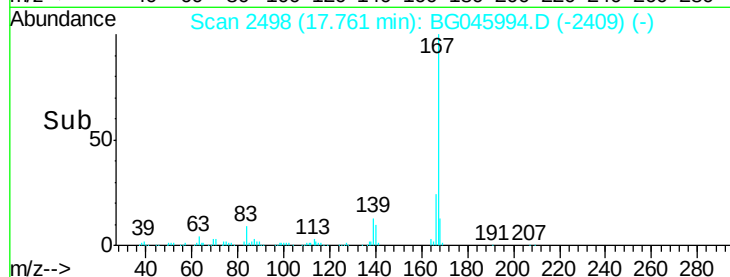
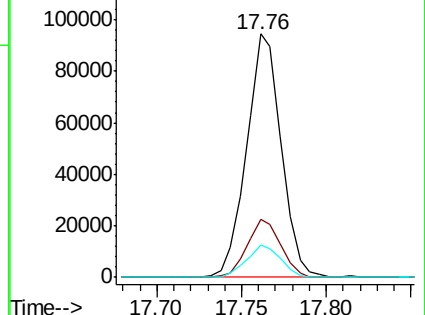
139 13.3 11.8 17.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 3.411 ng

RT: 18.34 min Scan# 2597

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

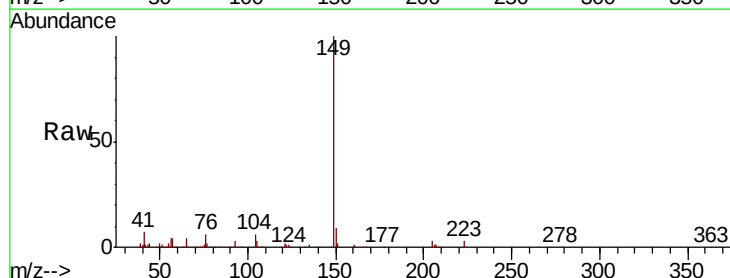
Tgt Ion:149 Resp: 157517

Ion Ratio Lower Upper

149 100

150 8.9 9.0 13.4#

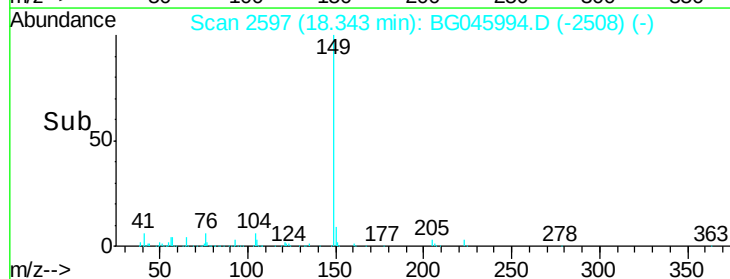
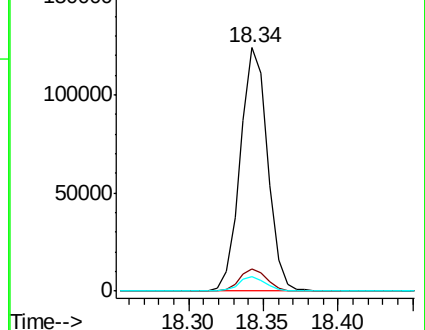
104 5.7 5.2 7.8

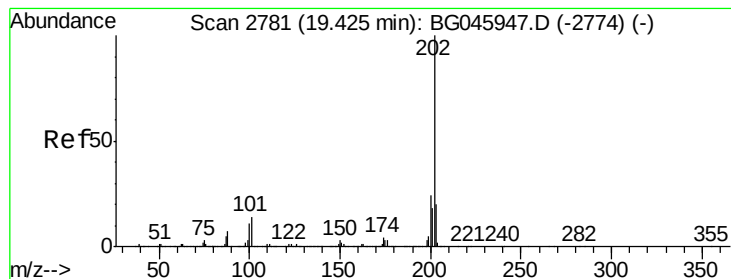


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 3.836 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

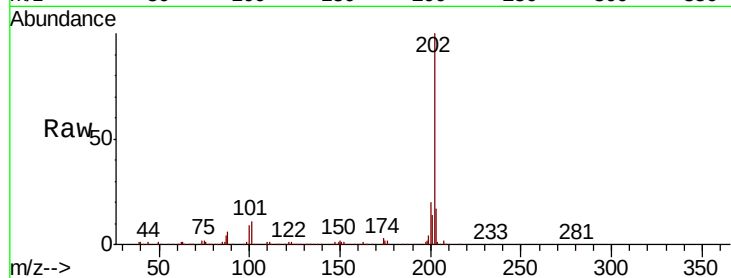
Tot Ion:202 Resp: 166600

Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.8

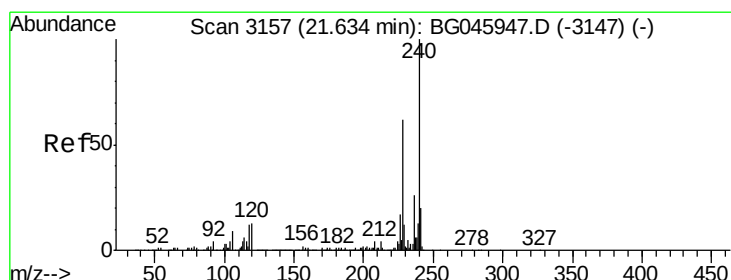
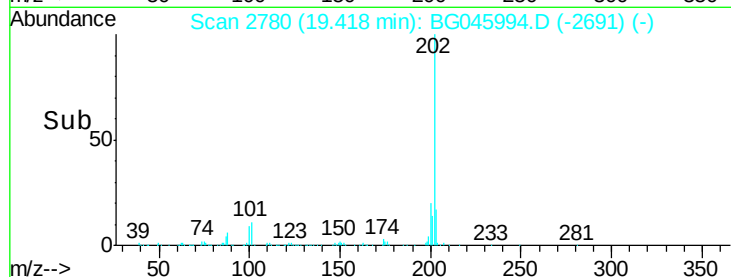
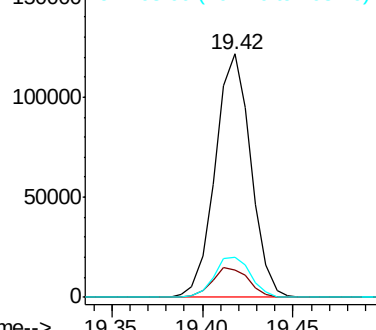
203 16.6 0.4 40.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

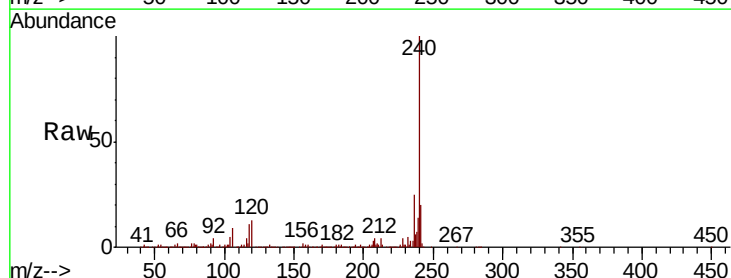
Tgt Ion:240 Resp: 648286

Ion Ratio Lower Upper

240 100

120 13.0 10.6 16.0

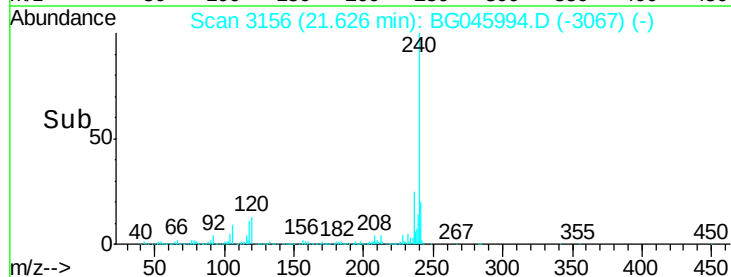
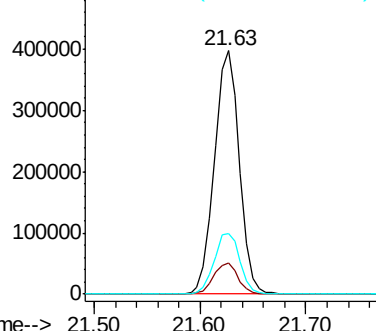
236 25.1 20.4 30.6

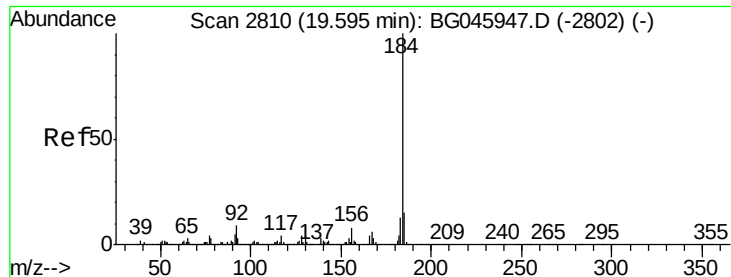


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 4.010 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

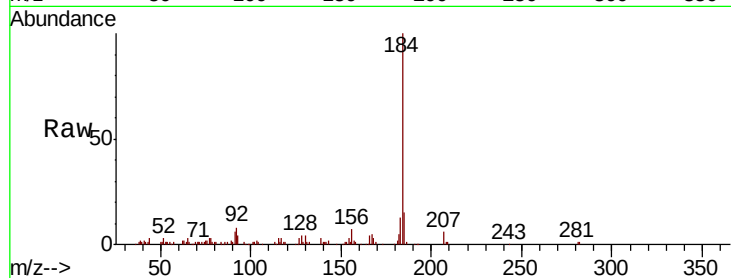
Tot Ion:184 Resp: 74322

Ion Ratio Lower Upper

184 100

185 14.6 11.6 17.4

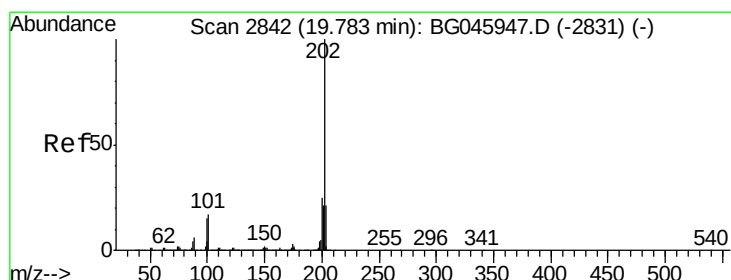
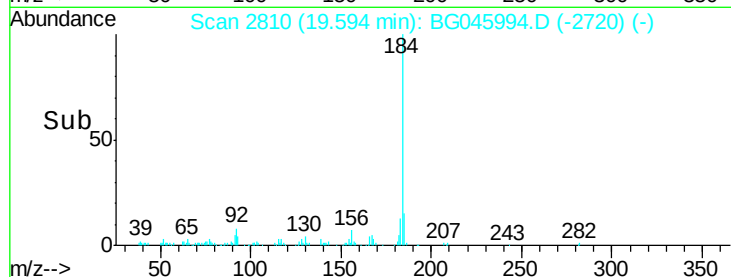
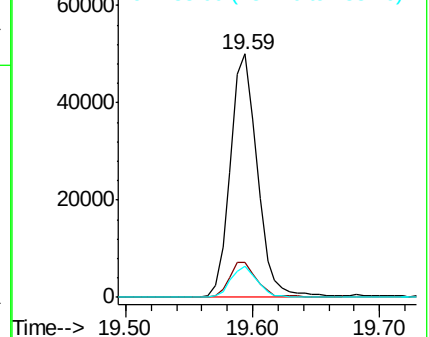
183 12.9 10.4 15.6



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: 3.909 ng

RT: 19.78 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

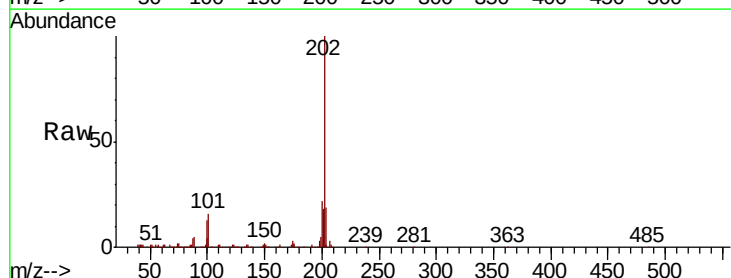
Tgt Ion:202 Resp: 172971

Ion Ratio Lower Upper

202 100

200 22.0 20.1 30.1

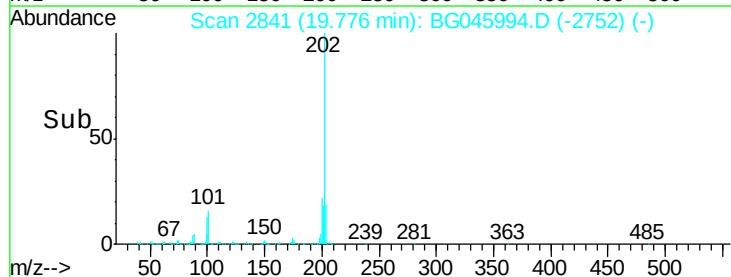
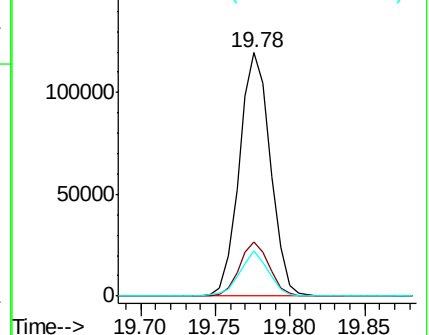
203 18.8 16.5 24.7

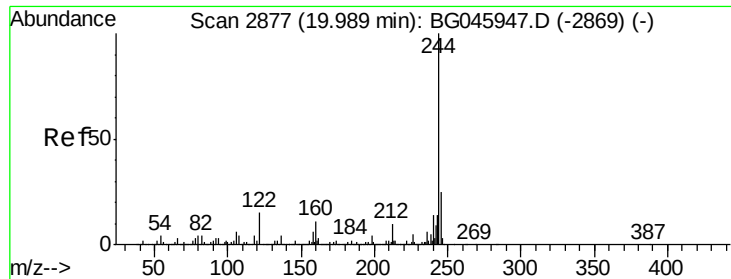


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 58.589 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

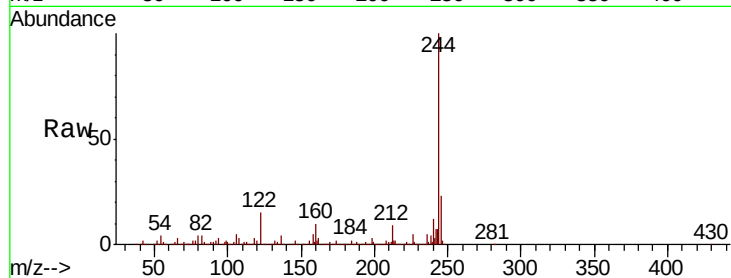
Tot Ion:244 Resp: 1706668

Ion Ratio Lower Upper

244 100

212 8.5 8.3 12.5

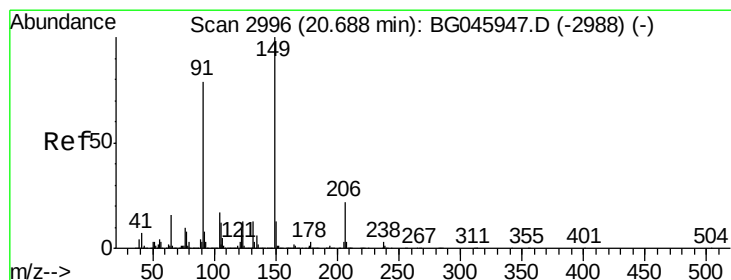
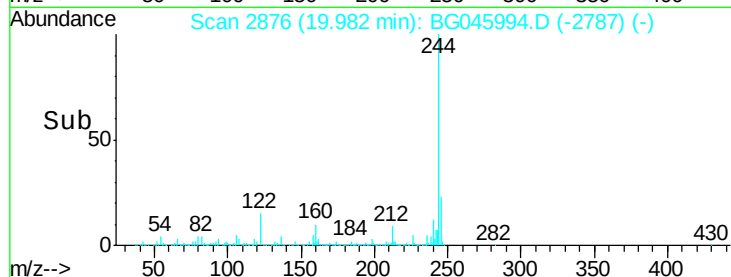
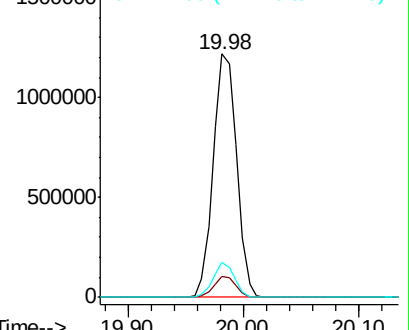
122 14.5 12.1 18.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 2.909 ng

RT: 20.67 min Scan# 2994

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

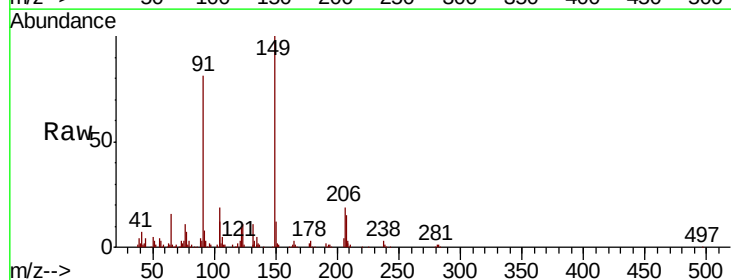
Tgt Ion:149 Resp: 60833

Ion Ratio Lower Upper

149 100

91 81.3 63.1 94.7

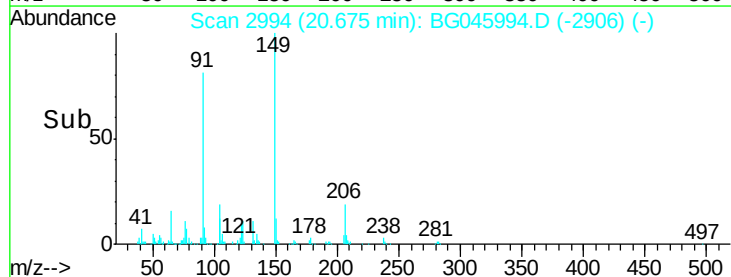
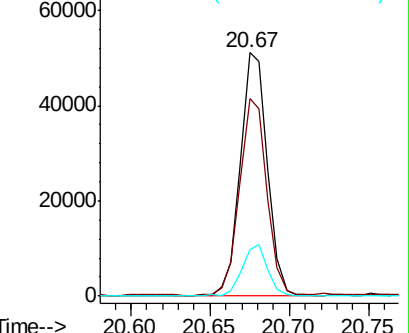
206 19.1 17.4 26.0

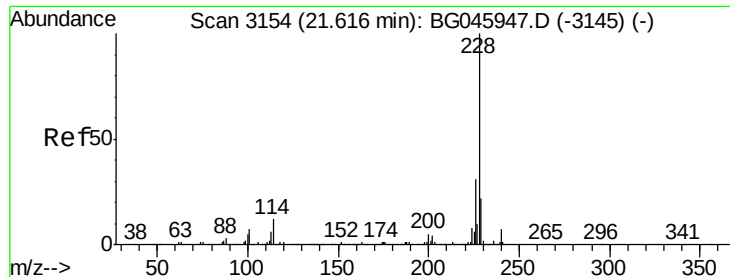


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 3.693 ng

RT: 21.60 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

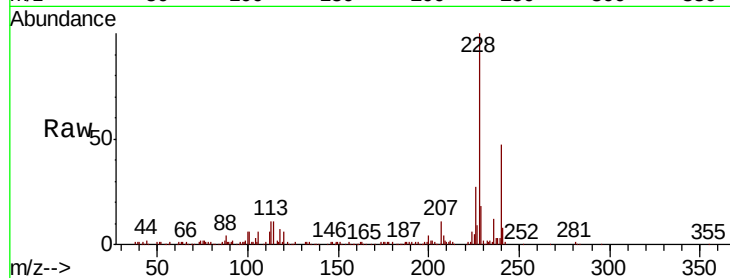
Tot Ion:228 Resp: 157437

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.0  | 24.8  | 37.2  |
| 229 | 17.8  | 17.8  | 26.8  |

228 100

226 27.0 24.8 37.2

229 17.8 17.8 26.8

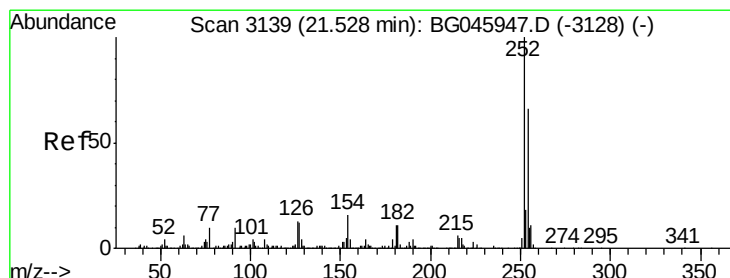
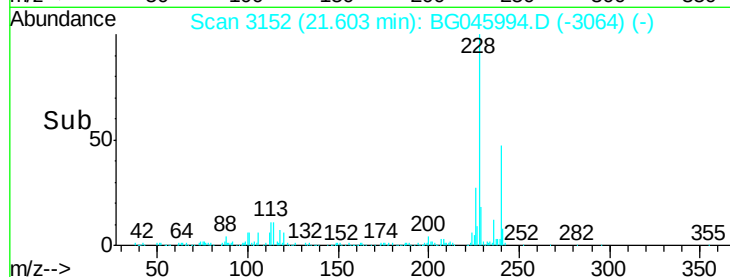
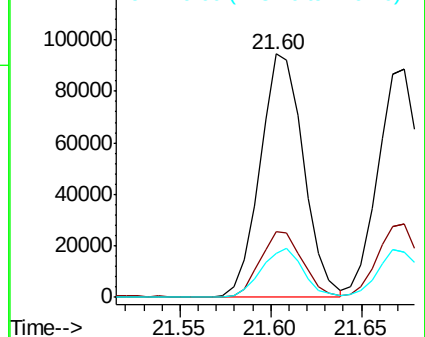


Abundance

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: 3.372 ng

RT: 21.52 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

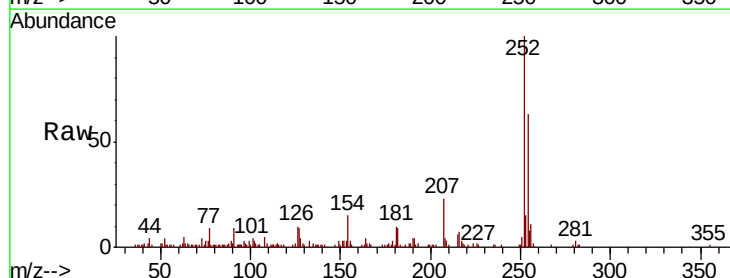
Tgt Ion:252 Resp: 53112

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 62.5  | 52.9  | 79.3  |
| 126 | 10.4  | 10.4  | 15.6  |

252 100

254 62.5 52.9 79.3

126 10.4 10.4 15.6

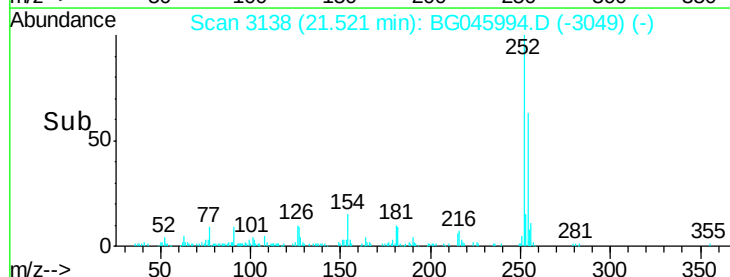
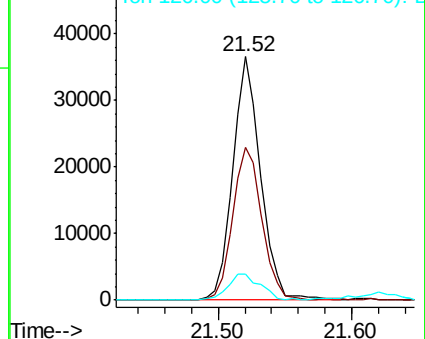


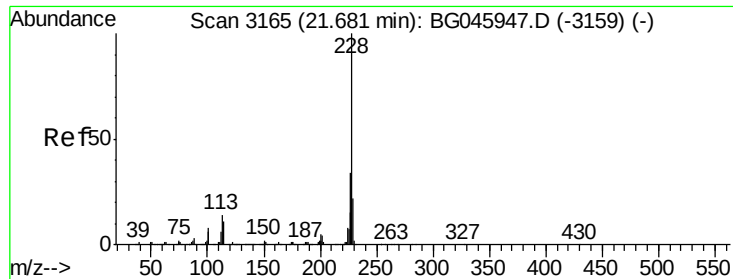
Abundance

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

Chrysene

Concen: 3.595 ng

RT: 21.67 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

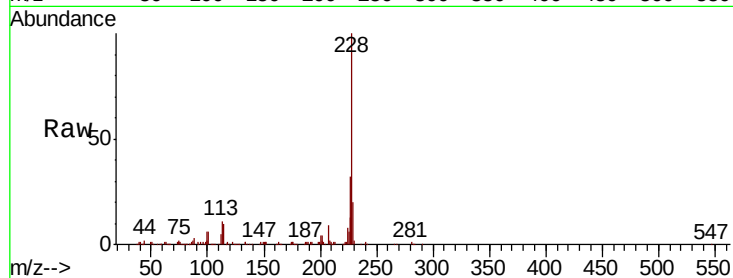
Tot Ion:228 Resp: 146005

Ion Ratio Lower Upper

228 100

226 32.1 26.7 40.1

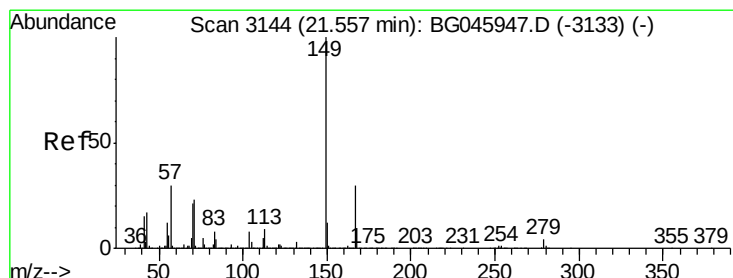
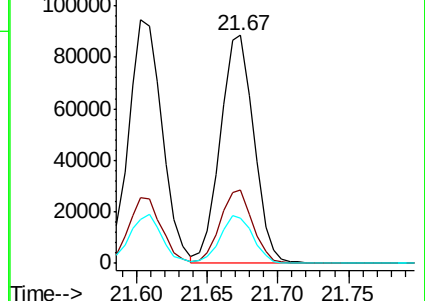
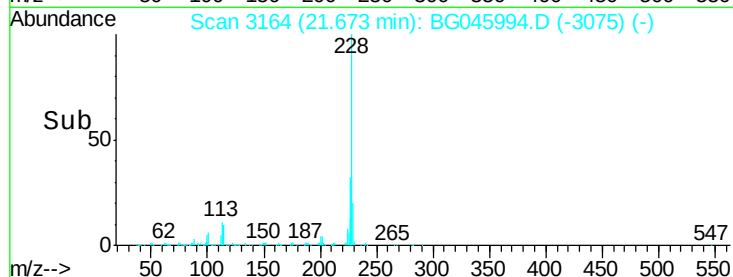
229 19.6 17.3 25.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.116 ng

RT: 21.54 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

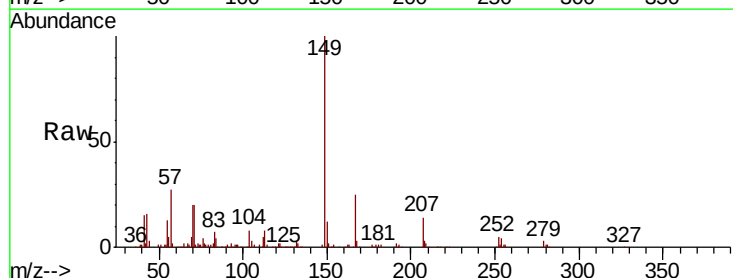
Tgt Ion:149 Resp: 94594

Ion Ratio Lower Upper

149 100

167 25.2 23.8 35.8

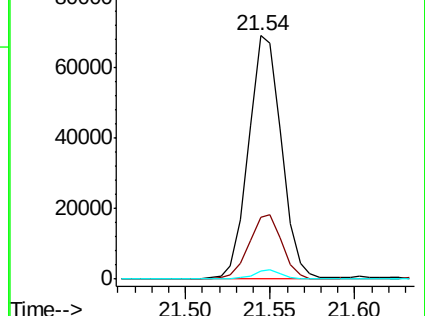
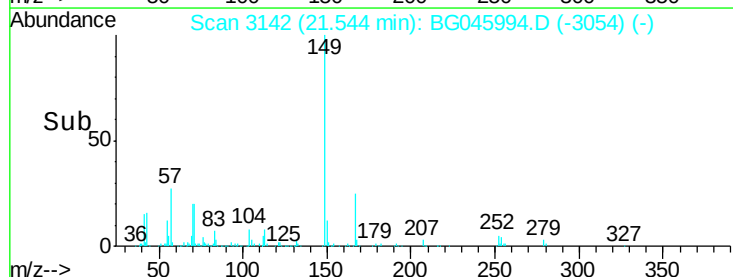
279 3.4 3.5 5.3#

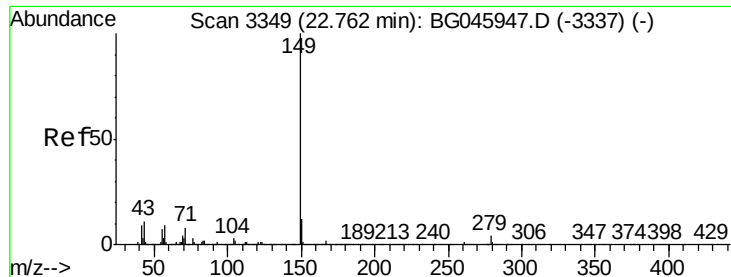


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 2.813 ng

RT: 22.75 min Scan# 3347

Delta R.T. -0.01 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

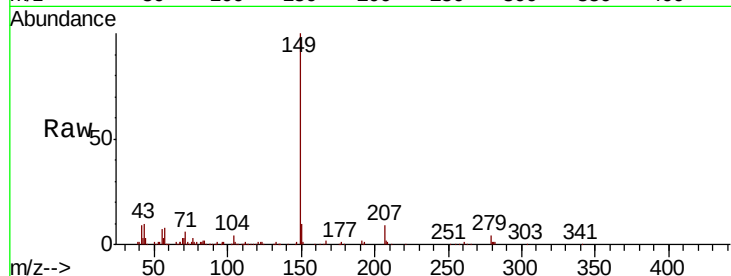
Tot Ion:149 Resp: 148199

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

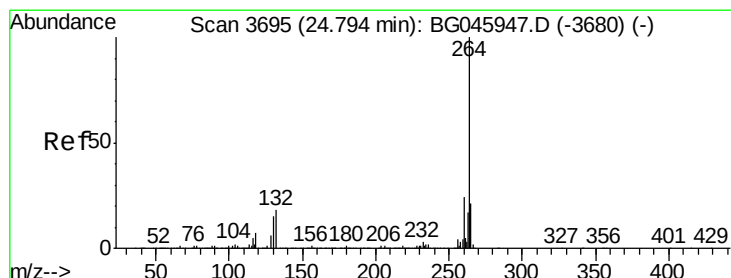
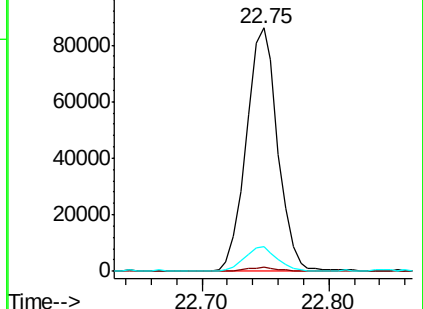
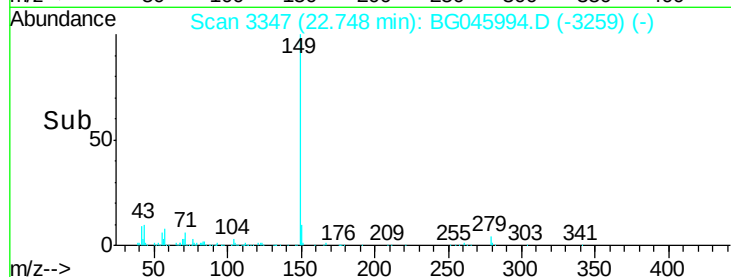
43 10.0 8.6 12.8



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): BGC



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.78 min Scan# 3692

Delta R.T. -0.02 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

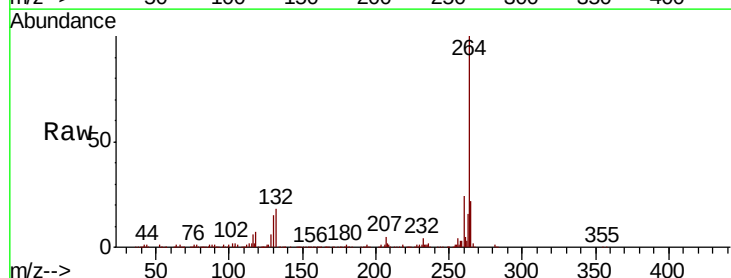
Tgt Ion:264 Resp: 630548

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

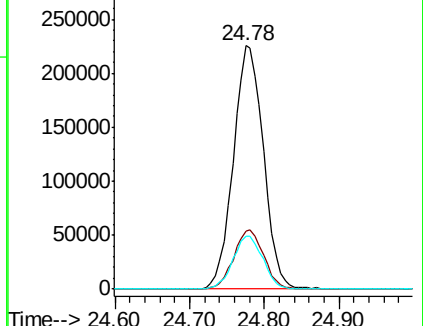
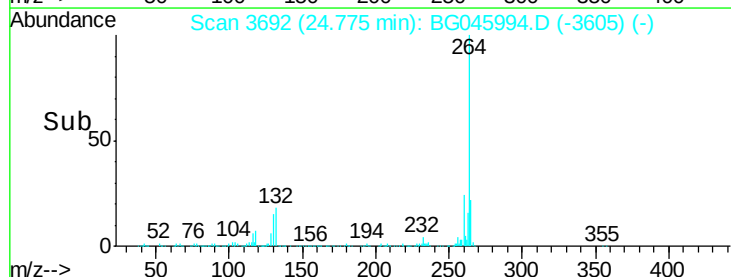
265 21.7 16.9 25.3

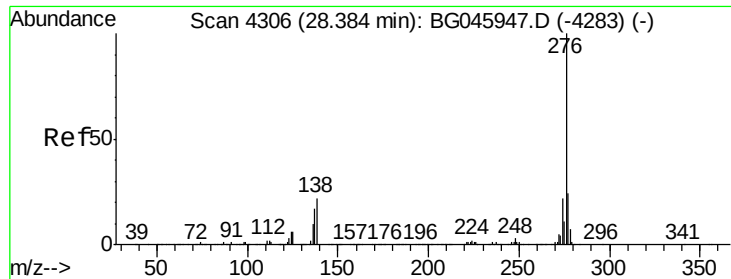


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

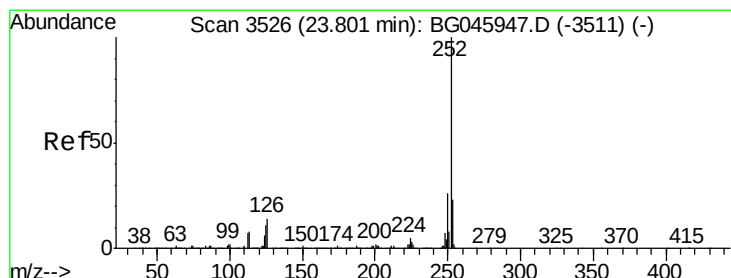
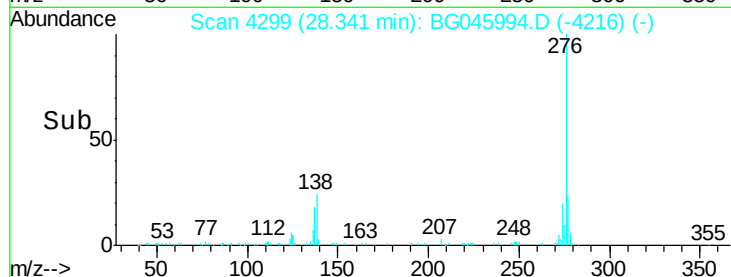
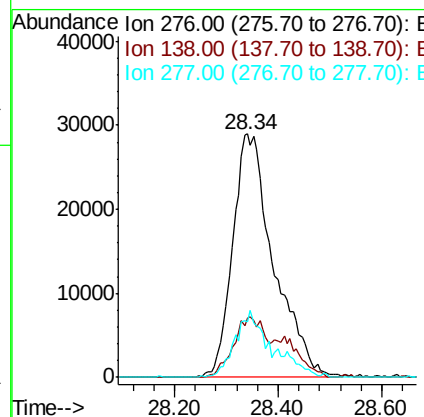
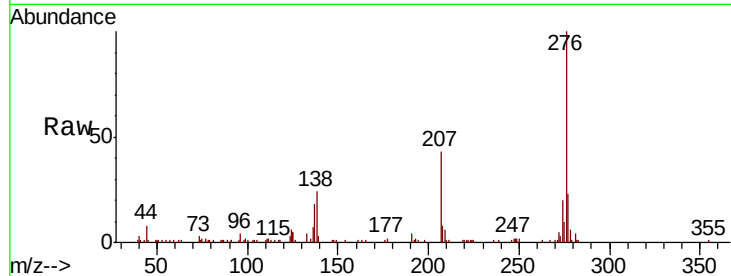




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.453 ng  
 RT: 28.34 min Scan# 4299  
 Delta R.T. -0.04 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

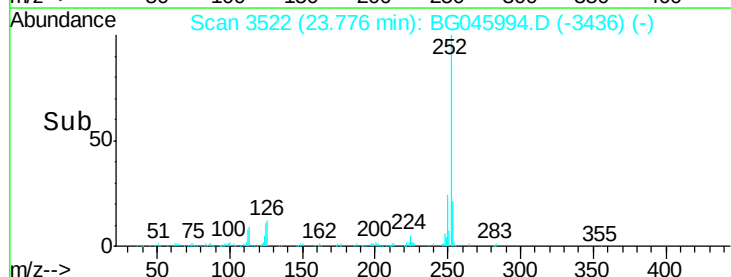
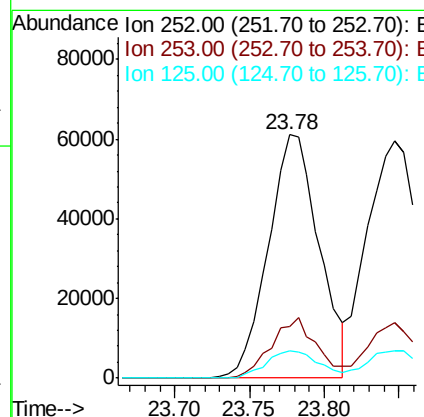
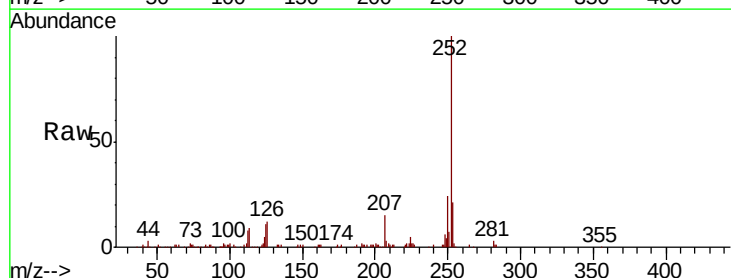
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 18.6  | 16.4  | 24.6  |
| 277     | 19.2  | 20.6  | 31.0# |

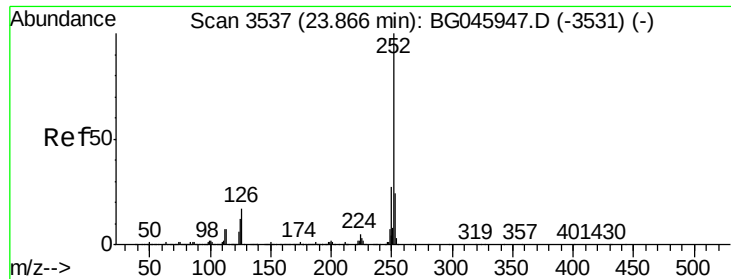


#88  
 Benzo(b)fluoranthene  
 Concen: 3.619 ng  
 RT: 23.78 min Scan# 3522  
 Delta R.T. -0.03 min  
 Lab File: BG045994.D  
 Acq: 9 Jul 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.1  | 18.5  | 27.7  |
| 125     | 11.5  | 9.2   | 13.8  |







#89

Benzo(k)fluoranthene

Concen: 3.906 ng

RT: 23.85 min Scan# 3534

Delta R.T. -0.02 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

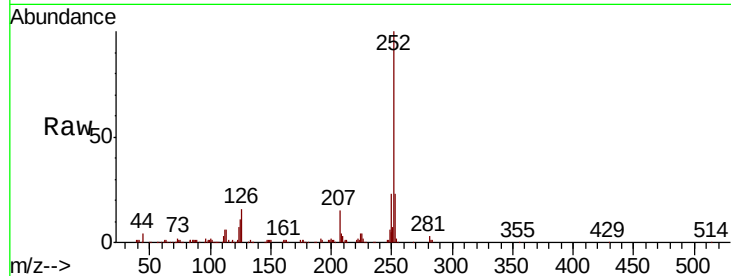
Tot Ion:252 Resp: 147839

Ion Ratio Lower Upper

252 100

253 23.3 18.9 28.3

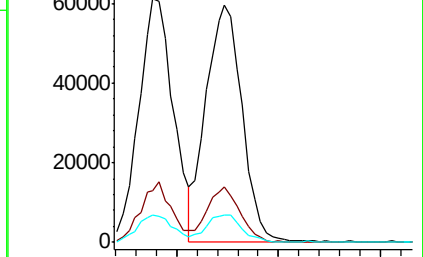
125 11.3 9.6 14.4



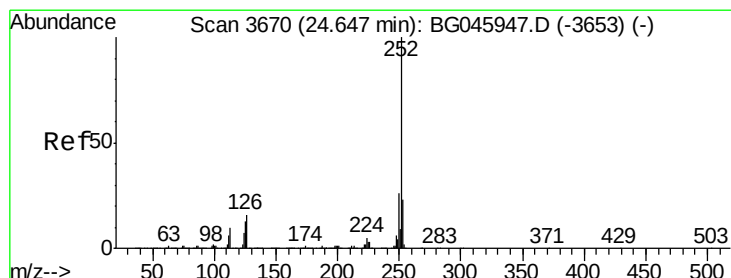
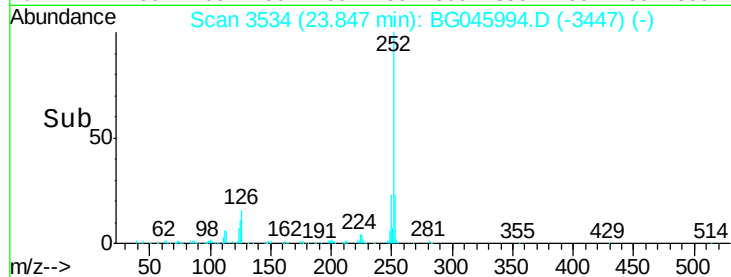
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#90

Benzo(a)pyrene

Concen: 3.549 ng

RT: 24.63 min Scan# 3667

Delta R.T. -0.02 min

Lab File: BG045994.D

Acq: 9 Jul 2020 14:35

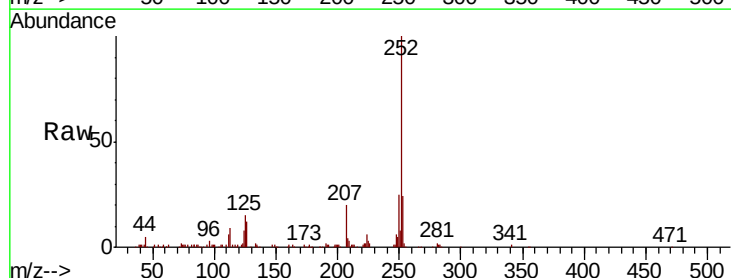
Tgt Ion:252 Resp: 133564

Ion Ratio Lower Upper

252 100

253 23.6 18.6 28.0

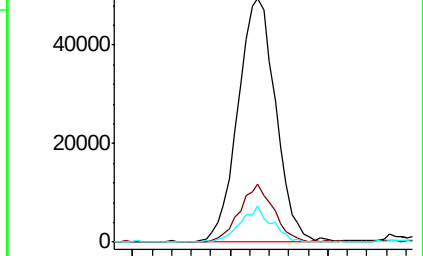
125 15.1 10.5 15.7



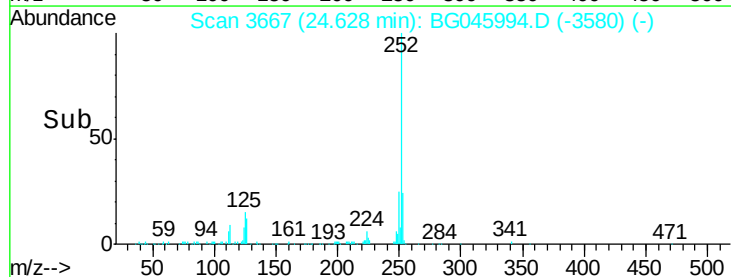
Abundance Ion 252.00 (251.70 to 252.70): E

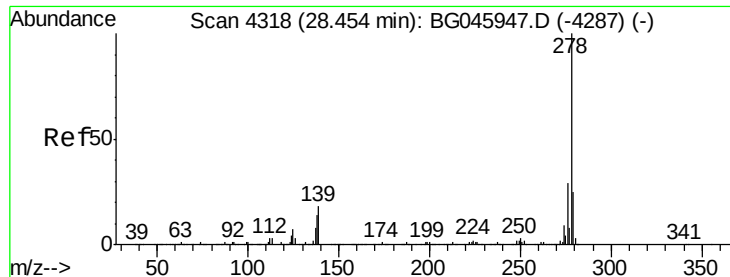
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->

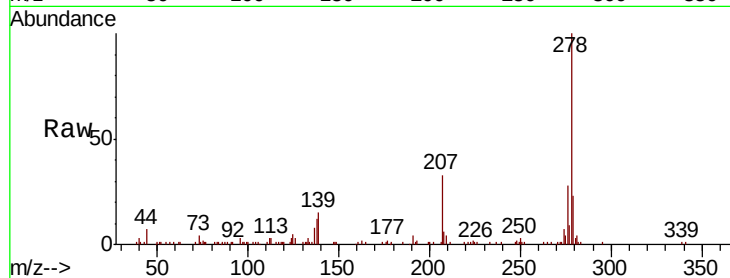




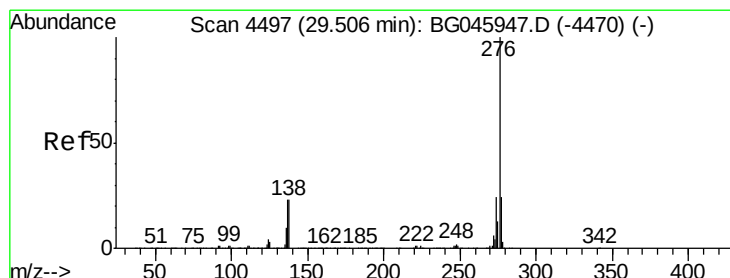
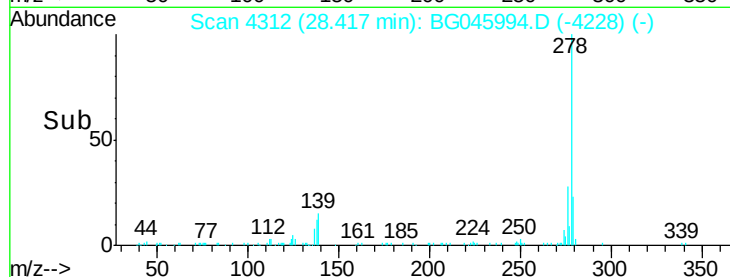
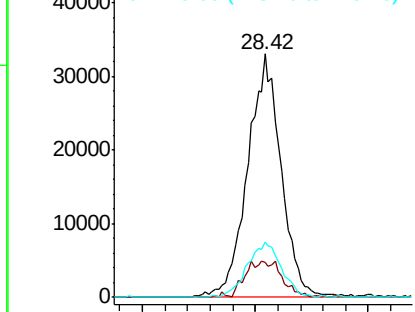
#91  
Dibenzo(a,h)anthracene  
Concen: 3.641 ng  
RT: 28.42 min Scan# 4312  
Delta R.T. -0.04 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.6  | 14.3  | 21.5  |
| 279     | 22.6  | 19.8  | 29.6  |

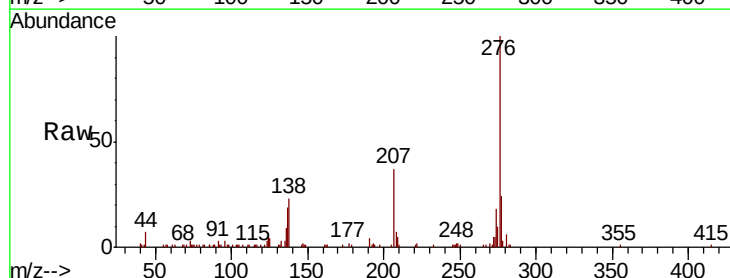


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 3.622 ng  
RT: 29.45 min Scan# 4488  
Delta R.T. -0.05 min  
Lab File: BG045994.D  
Acq: 9 Jul 2020 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.5  | 19.4  | 29.0  |
| 138     | 23.1  | 18.6  | 28.0  |



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

