

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071317\  
 Data File : BF096730.D  
 Acq On : 13 Jul 2017 16:23  
 Operator : SJ/JU  
 Sample : I3757-01  
 Misc : 8PPM LOD  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

Quant Time: Jul 14 01:05:45 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 13 14:49:34 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.63  | 152  | 97412    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.92  | 136  | 463159   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.66  | 164  | 205903   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.14 | 188  | 326502   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.77 | 240  | 249962   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.15 | 264  | 181194   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.24  | 112 | 796420  | 122.93 | ng | 0.00 |
| 7) Phenol-d6             | 6.28  | 99  | 955372  | 122.88 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.20  | 82  | 638739  | 85.42  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.46 | 330 | 218235  | 124.17 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.00  | 172 | 1188485 | 91.19  | ng | 0.00 |
| 78) Terphenyl-d14        | 12.73 | 244 | 969948  | 67.30  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |      |    | Qvalue |
|--------------------------------|------|-----|--------|------|----|--------|
| 2) 1,4-Dioxane                 | 2.23 | 88  | 31150  | 9.34 | ng | # 79   |
| 3) Pyridine                    | 2.97 | 79  | 55557  | 7.93 | ng | # 59   |
| 4) n-Nitrosodimethylamine      | 2.83 | 42  | 30438  | 7.77 | ng | # 74   |
| 6) Aniline                     | 6.29 | 93  | 78482  | 8.20 | ng | # 23   |
| 8) 2-Chlorophenol              | 6.42 | 128 | 58637  | 8.39 | ng | 96     |
| 9) Benzaldehyde                | 6.17 | 77  | 28834  | 6.42 | ng | 98     |
| 10) Phenol                     | 6.29 | 94  | 72450  | 8.24 | ng | 79     |
| 11) bis(2-Chloroethyl)ether    | 6.37 | 93  | 56338  | 8.52 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.57 | 146 | 64399  | 8.67 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.65 | 146 | 65992  | 8.77 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 6.80 | 146 | 61618  | 9.00 | ng | 97     |
| 15) Benzyl Alcohol             | 6.77 | 79  | 50210  | 9.86 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.92 | 45  | 115233 | 8.45 | ng | 90     |
| 17) 2-Methylphenol             | 6.89 | 107 | 45914  | 8.45 | ng | 97     |
| 18) Hexachloroethane           | 7.15 | 117 | 22511  | 8.44 | ng | # 78   |
| 19) n-Nitroso-di-n-propylamine | 7.05 | 70  | 39459  | 8.42 | ng | # 88   |
| 20) 3+4-Methylphenols          | 7.05 | 107 | 58290  | 8.84 | ng | # 70   |
| 22) Acetophenone               | 7.04 | 105 | 79051  | 7.64 | ng | # 100  |
| 24) Nitrobenzene               | 7.22 | 77  | 59306  | 7.67 | ng | # 85   |
| 25) Isophorone                 | 7.46 | 82  | 103131 | 7.41 | ng | # 92   |
| 26) 2-Nitrophenol              | 7.53 | 139 | 32127  | 7.47 | ng | 90     |
| 27) 2,4-Dimethylphenol         | 7.57 | 122 | 53832  | 7.61 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.67 | 93  | 77625  | 8.26 | ng | 95     |
| 29) 2,4-Dichlorophenol         | 7.77 | 162 | 52994  | 8.28 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 7.86 | 180 | 52934  | 8.69 | ng | 100    |
| 31) Naphthalene                | 7.94 | 128 | 197880 | 9.02 | ng | 97     |
| 32) Benzoic acid               | 7.66 | 122 | 28325  | 6.26 | ng | 98     |
| 33) 4-Chloroaniline            | 7.99 | 127 | 75945  | 8.74 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.06 | 225 | 27606  | 8.49 | ng | 97     |
| 35) Caprolactam                | 8.32 | 113 | 16863  | 8.22 | ng | # 69   |
| 36) 4-Chloro-3-methylphenol    | 8.47 | 107 | 59129  | 8.59 | ng | 90     |
| 37) 2-Methylnaphthalene        | 8.63 | 142 | 126976 | 9.08 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.80 | 216 | 51099  | 9.18 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 8.79 | 237 | 9441   | 9.21 | ng | 91     |

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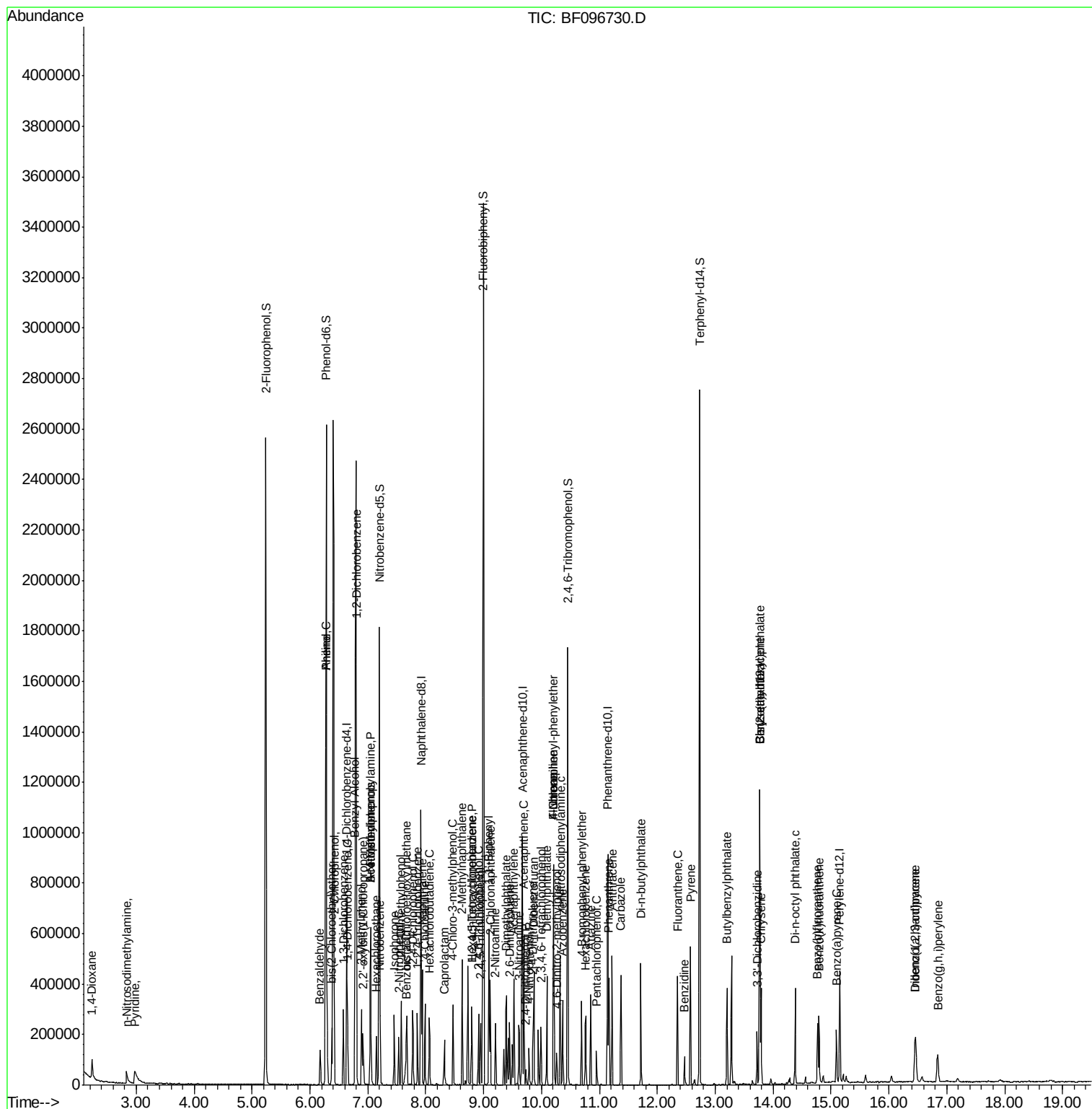
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.91  | 196  | 34980    | 8.52  | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 8.95  | 196  | 35148    | 8.49  | nq    | 97       |
| 45) 1,1'-Biphenyl              | 9.09  | 154  | 167602   | 9.49  | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.12  | 162  | 116615   | 8.97  | nq    | 96       |
| 47) 2-Nitroaniline             | 9.20  | 65   | 38149    | 8.53  | nq    | 97       |
| 48) Acenaphthylene             | 9.52  | 152  | 181949   | 8.78  | nq    | 99       |
| 49) Dimethylphthalate          | 9.39  | 163  | 139264   | 8.98  | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.45  | 165  | 28587    | 8.51  | nq    | # 88     |
| 51) Acenaphthene               | 9.70  | 154  | 113965   | 9.31  | nq    | 99       |
| 52) 3-Nitroaniline             | 9.62  | 138  | 34374    | 8.64  | nq    | 89       |
| 53) 2,4-Dinitrophenol          | 9.73  | 184  | 7179     | 10.69 | nq    | # 69     |
| 54) Dibenzofuran               | 9.87  | 168  | 159181   | 9.28  | nq    | 99       |
| 55) 4-Nitrophenol              | 9.78  | 139  | 22939    | 7.89  | nq    | # 66     |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165  | 38050    | 8.82  | nq    | # 79     |
| 57) Fluorene                   | 10.21 | 166  | 130115   | 10.27 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.99  | 232  | 25459    | 8.87  | nq    | # 98     |
| 59) Diethylphthalate           | 10.09 | 149  | 148038   | 9.81  | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 10.21 | 204  | 54051    | 7.93  | nq    | 90       |
| 61) 4-Nitroaniline             | 10.22 | 138  | 31577    | 8.45  | nq    | 90       |
| 62) Azobenzene                 | 10.37 | 77   | 117912   | 8.86  | nq    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 10.26 | 198  | 14454    | 7.05  | nq    | 81       |
| 65) n-Nitrosodiphenylamine     | 10.32 | 169  | 113177   | 9.70  | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 10.69 | 248  | 31969    | 9.59  | nq    | 96       |
| 67) Hexachlorobenzene          | 10.76 | 284  | 35527    | 9.57  | nq    | # 93     |
| 68) Atrazine                   | 10.85 | 200  | 31310    | 9.42  | nq    | 96       |
| 69) Pentachlorophenol          | 10.96 | 266  | 14503    | 8.09  | nq    | 92       |
| 70) Phenanthrene               | 11.17 | 178  | 161989   | 9.12  | nq    | 96       |
| 71) Anthracene                 | 11.22 | 178  | 177791   | 9.90  | nq    | 97       |
| 72) Carbazole                  | 11.37 | 167  | 173453   | 9.98  | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.72 | 149  | 219931   | 10.16 | nq    | 98       |
| 74) Fluoranthene               | 12.35 | 202  | 170080   | 10.01 | nq    | 99       |
| 76) Benzidine                  | 12.47 | 184  | 43509    | 5.31  | nq    | 95       |
| 77) Pyrene                     | 12.57 | 202  | 174782   | 7.70  | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.20 | 149  | 80435    | 14.92 | nq    | # 83     |
| 80) Benzo(a)anthracene         | 13.76 | 228  | 126010   | 8.09  | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.73 | 252  | 41467    | 7.40  | nq    | # 95     |
| 82) Chrysene                   | 13.79 | 228  | 126626   | 8.26  | nq    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 13.77 | 149  | 108414   | 8.26  | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.38 | 149  | 164730   | 7.59  | nq    | 95       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.46 | 276  | 90819    | 9.44  | nq    | 96       |
| 87) Benzo(b)fluoranthene       | 14.77 | 252  | 96042    | 8.79  | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 14.79 | 252  | 92273    | 8.92  | nq    | 96       |
| 89) Benzo(a)pyrene             | 15.09 | 252  | 86925    | 8.67  | nq    | 96       |
| 90) Dibenzo(a,h)anthracene     | 16.46 | 278  | 71975    | 7.80  | nq    | 95       |
| 91) Benzo(g,h,i)perylene       | 16.84 | 276  | 75195    | 7.61  | nq    | 97       |

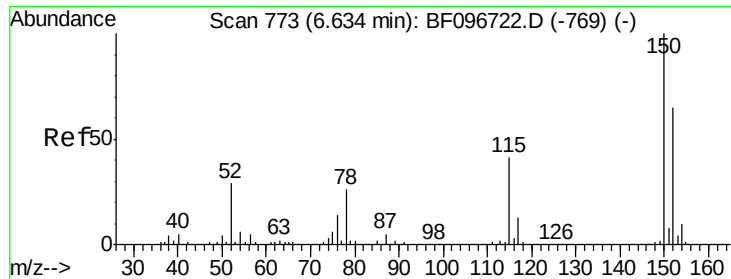
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial  : 13      Sample Multiplier: 1
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

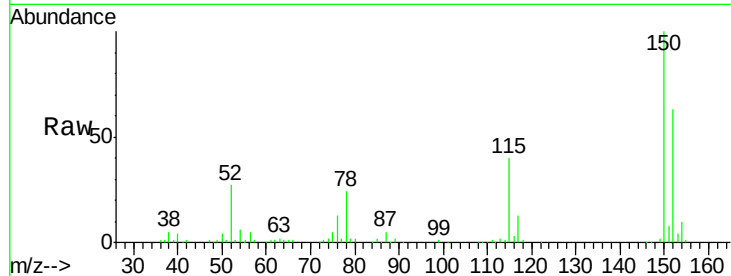
Tot Ion:152 Resp: 97412

Ion Ratio Lower Upper

152 100

150 158.1 126.2 189.2

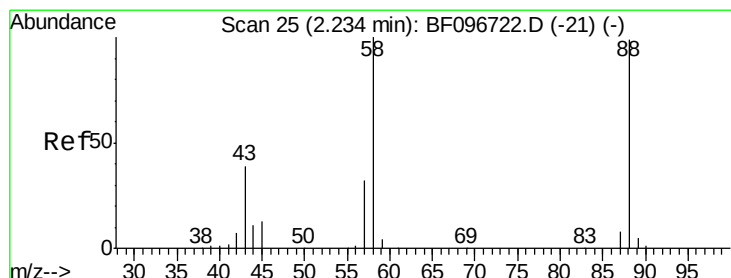
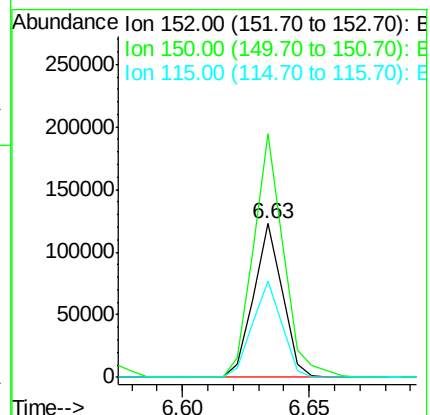
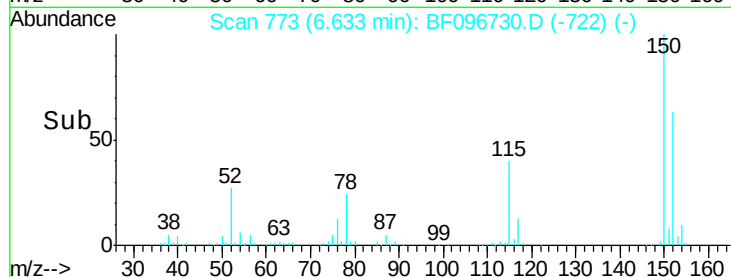
115 62.9 52.2 78.2



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: 9.34 ng

RT: 2.23 min Scan# 25

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

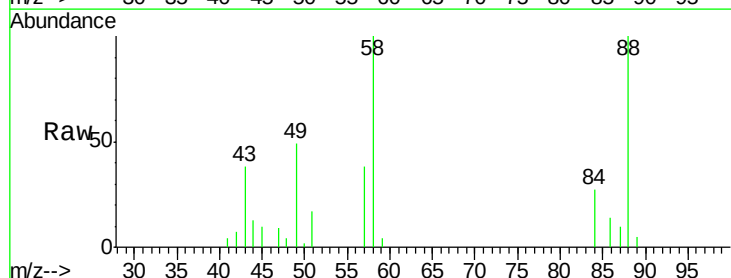
Tgt Ion: 88 Resp: 31150

Ion Ratio Lower Upper

88 100

58 95.8 61.4 92.0#

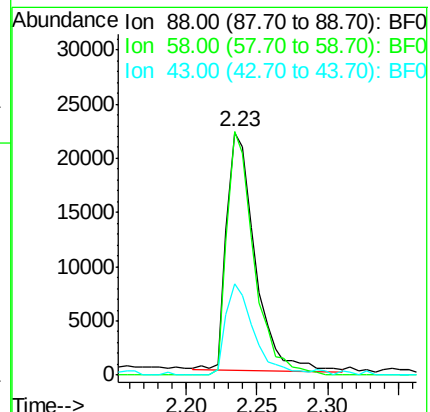
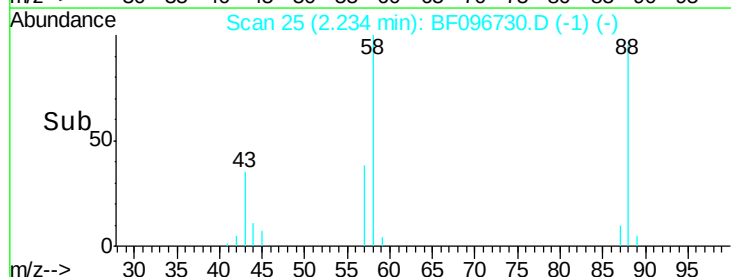
43 38.9 23.4 35.0#

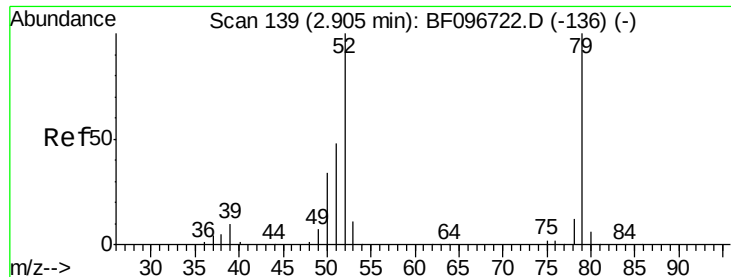


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 7.93 ng

RT: 2.97 min Scan# 151

Delta R.T. 0.07 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

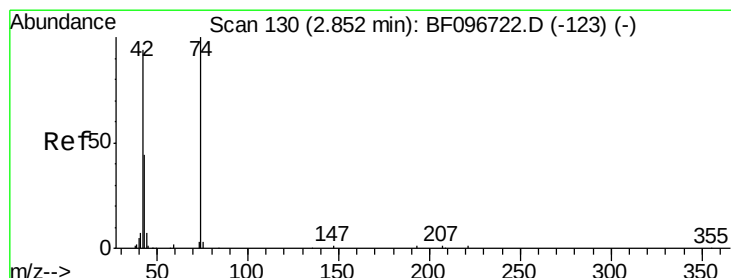
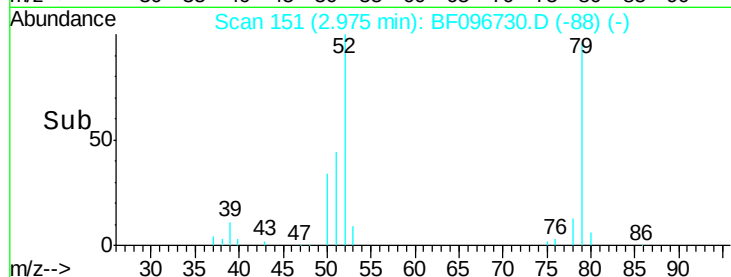
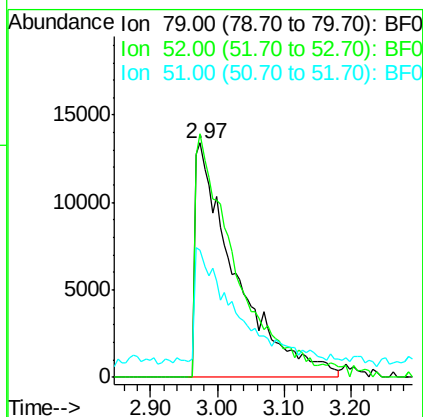
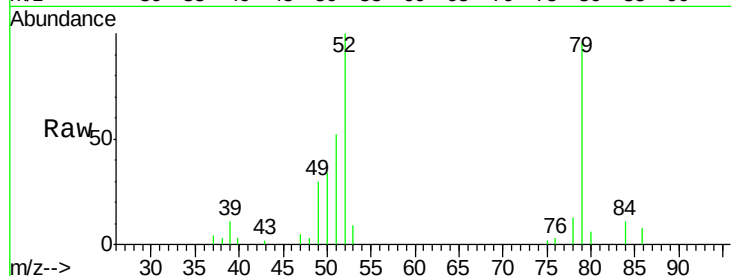
Tot Ion: 79 Resp: 55557

Ion Ratio Lower Upper

79 100

52 103.8 54.8 82.2#

51 54.5 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 7.77 ng

RT: 2.83 min Scan# 127

Delta R.T. -0.02 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

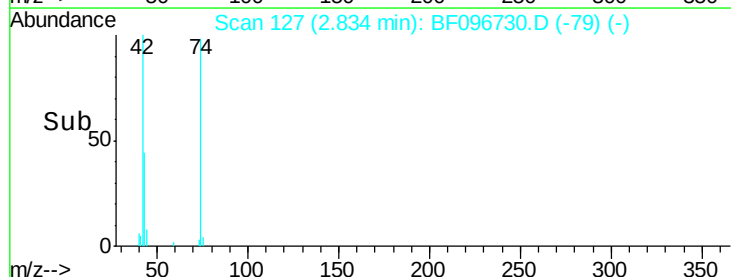
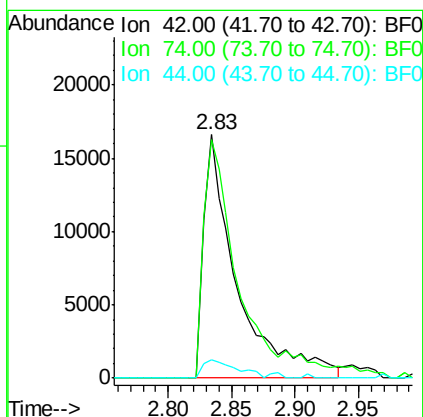
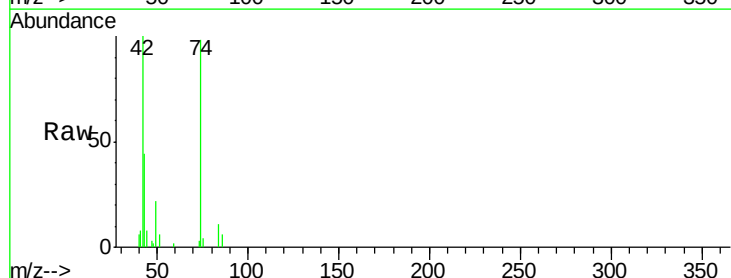
Tgt Ion: 42 Resp: 30438

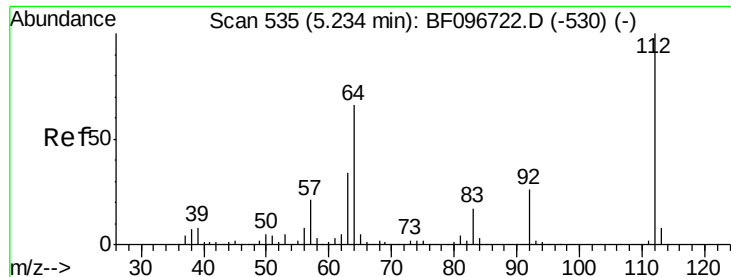
Ion Ratio Lower Upper

42 100

74 98.0 103.9 155.9#

44 7.8 5.7 8.5





#5

2-Fluorophenol

Concen: 122.93 ng

RT: 5.24 min Scan# 536

Delta R.T. 0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

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ClientSampleId :

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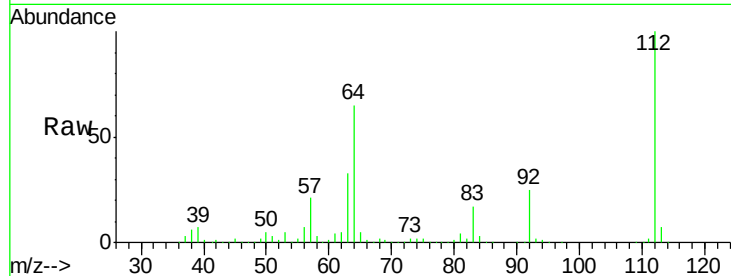
Tot Ion:112 Resp: 796420

Ion Ratio Lower Upper

112 100

64 65.1 46.0 69.0

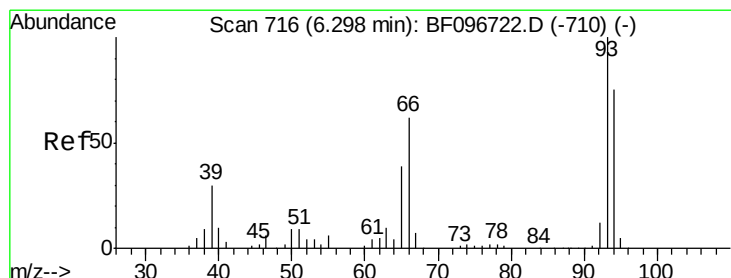
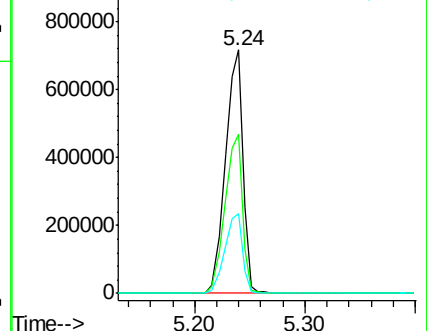
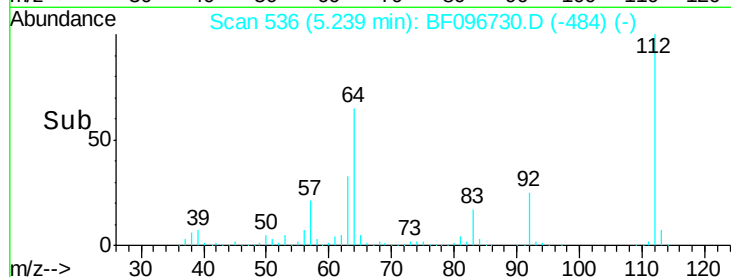
63 32.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 8.20 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

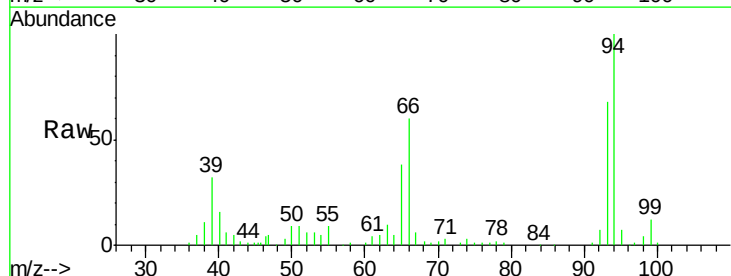
Tgt Ion: 93 Resp: 78482

Ion Ratio Lower Upper

93 100

66 88.4 32.9 49.3#

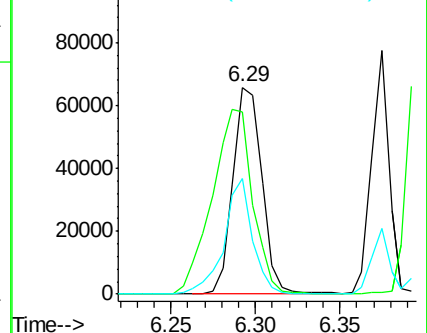
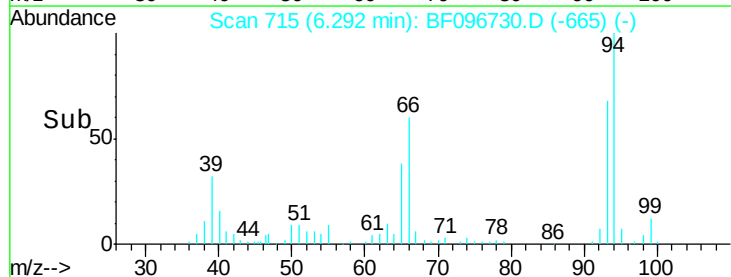
65 56.1 16.0 24.0#

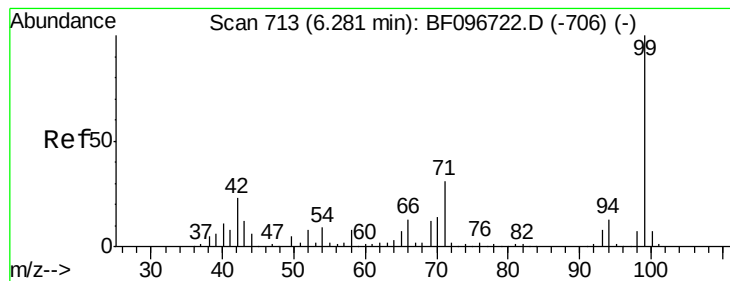


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 122.88 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

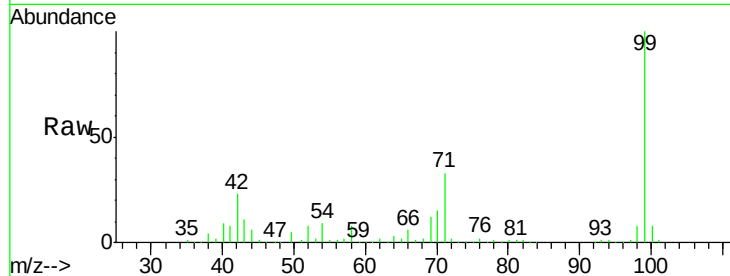
Tot Ion: 99 Resp: 955372

Ion Ratio Lower Upper

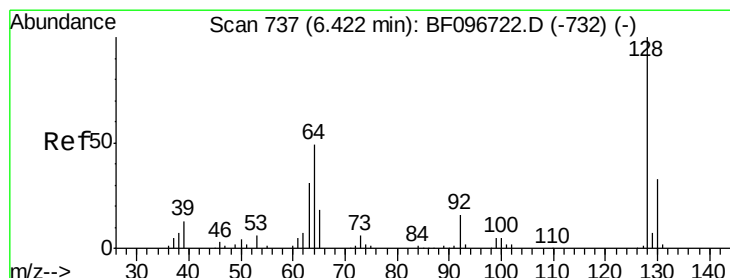
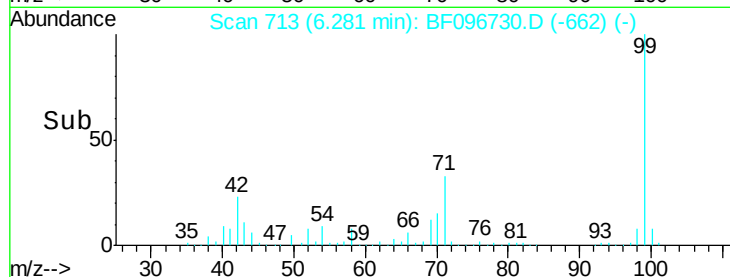
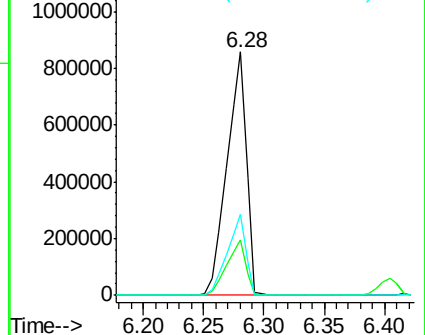
99 100

42 22.8 13.5 20.3#

71 33.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 8.39 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

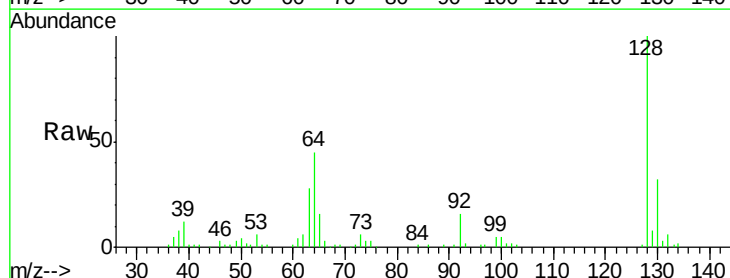
Tgt Ion:128 Resp: 58637

Ion Ratio Lower Upper

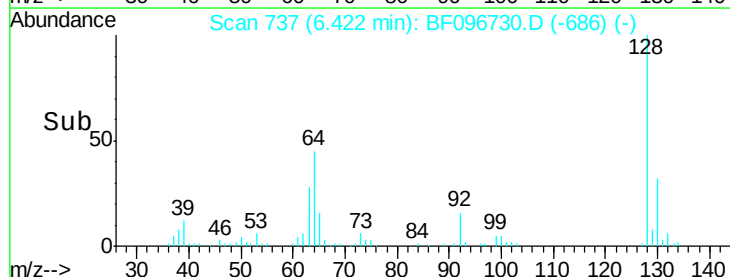
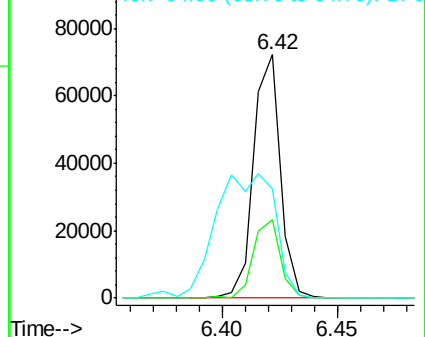
128 100

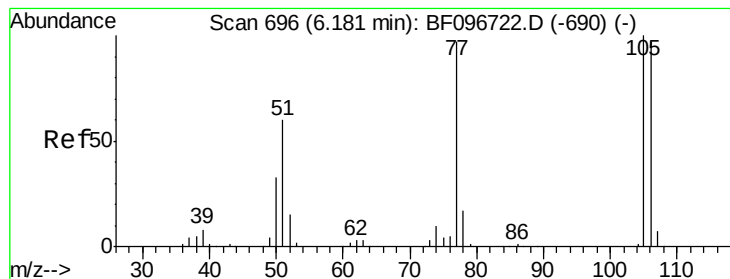
130 32.1 12.9 52.9

64 44.6 28.4 68.4



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 6.42 ng

RT: 6.17 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

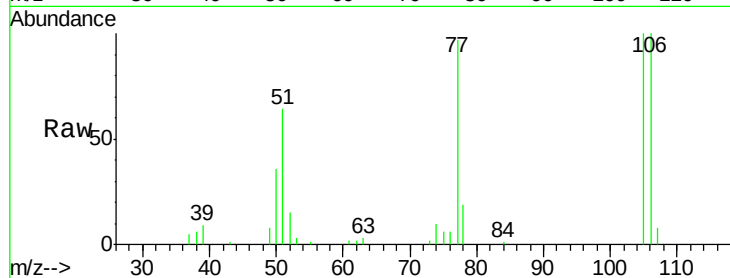
Tot Ion: 77 Resp: 28834

Ion Ratio Lower Upper

77 100

105 103.3 83.8 123.8

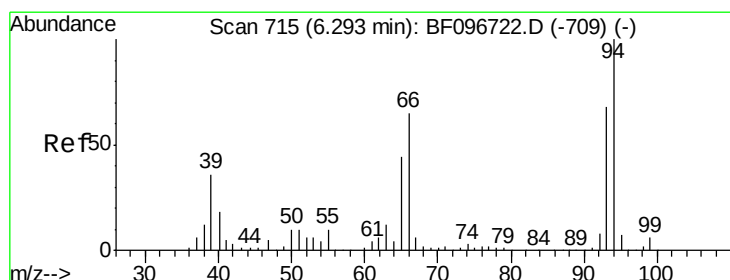
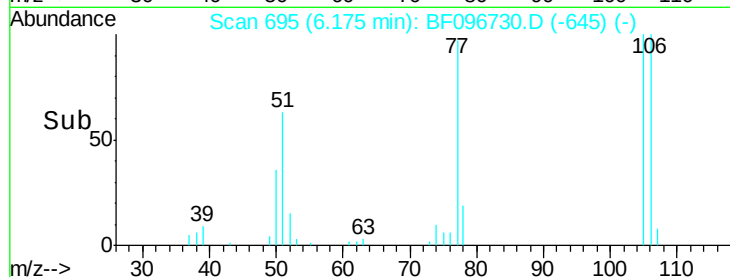
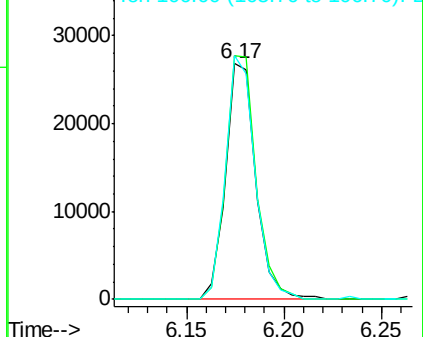
106 103.2 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 8.24 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

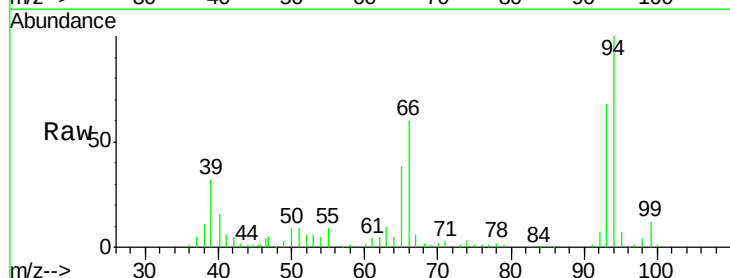
Tgt Ion: 94 Resp: 72450

Ion Ratio Lower Upper

94 100

65 37.9 9.9 49.9

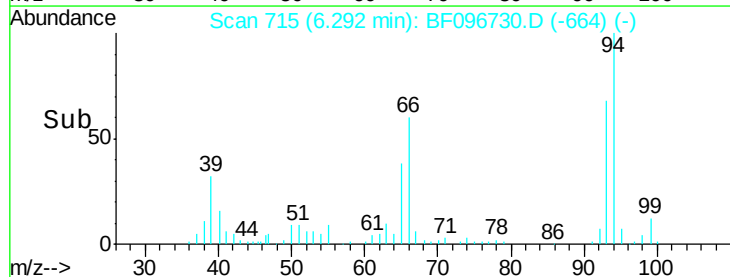
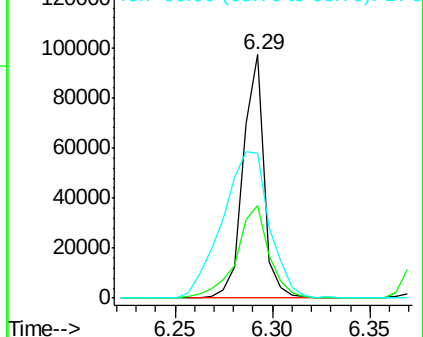
66 59.7 23.1 63.1



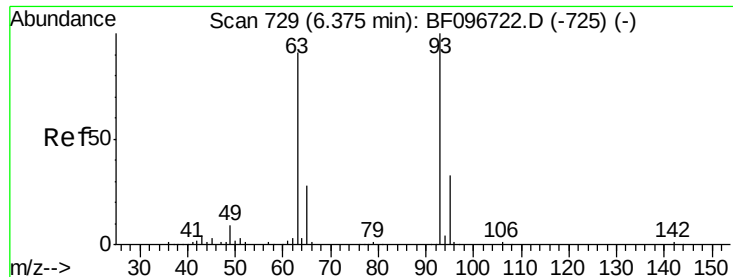
Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0







#11

bis(2-Chloroethyl)ether

Concen: 8.52 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

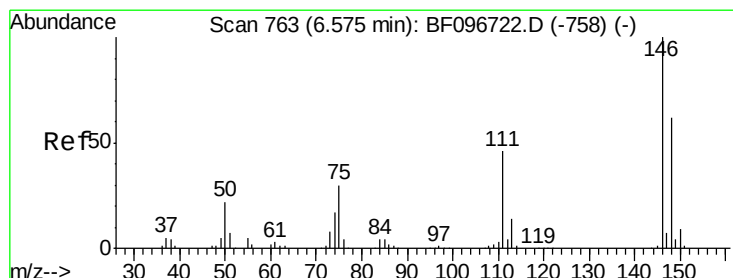
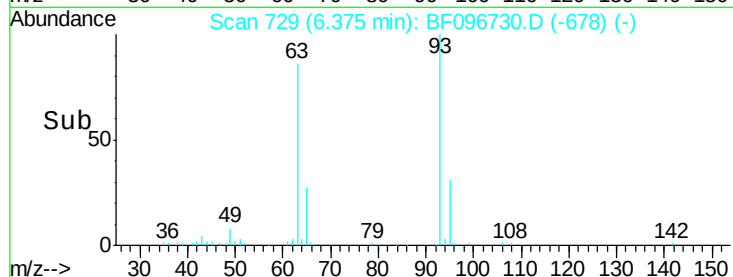
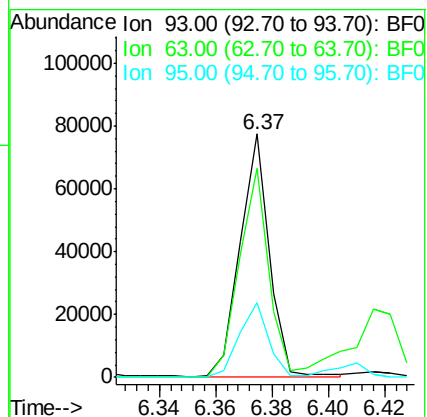
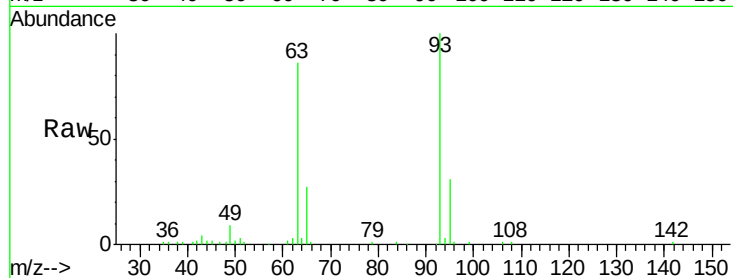
Tot Ion: 93 Resp: 56338

Ion Ratio Lower Upper

93 100

63 86.0 59.2 99.2

95 30.9 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 8.67 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

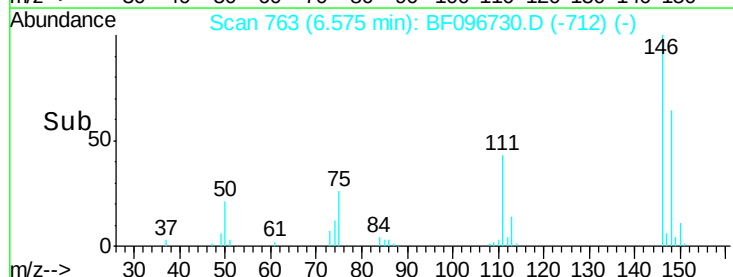
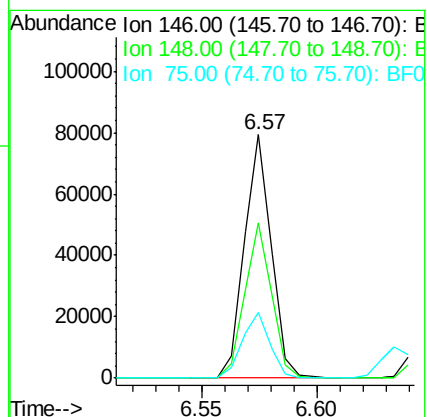
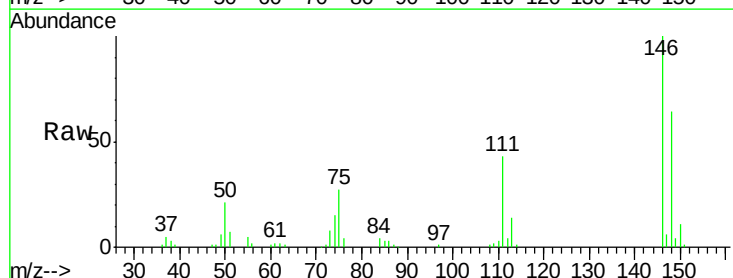
Tgt Ion: 146 Resp: 64399

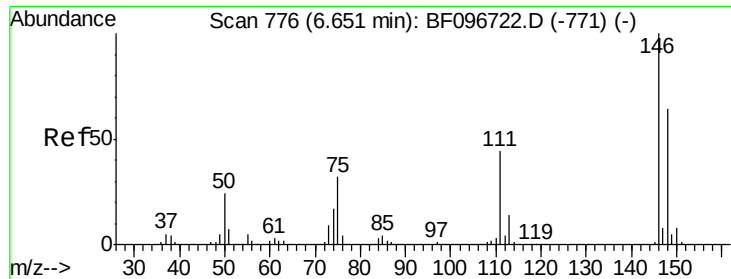
Ion Ratio Lower Upper

146 100

148 63.6 51.8 77.6

75 26.8 23.1 34.7

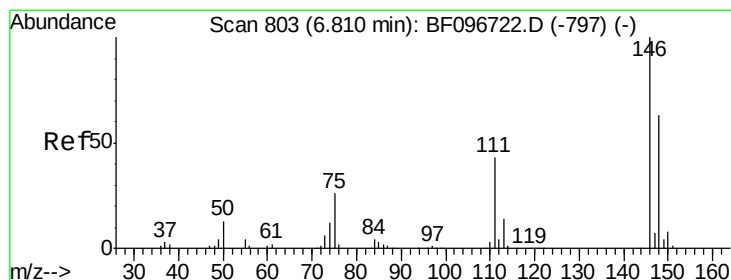
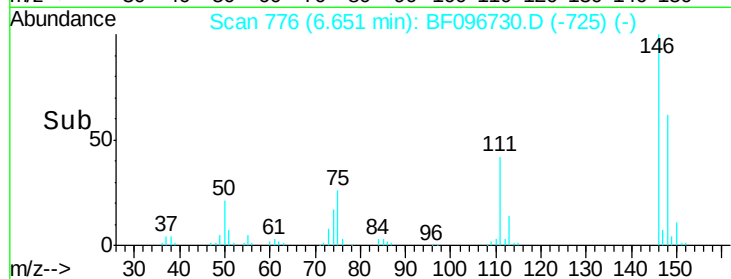
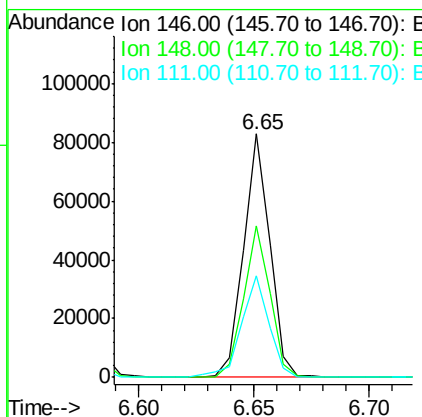
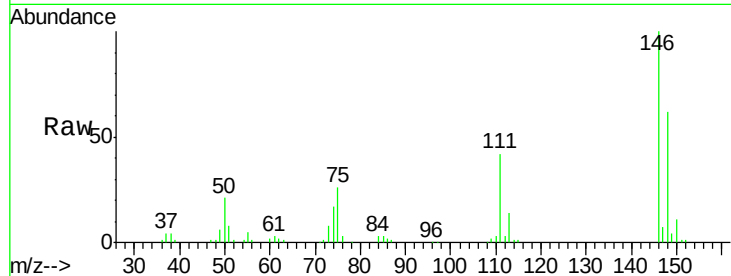




#13  
 1,4-Dichlorobenzene  
 Concen: 8.77 ng  
 RT: 6.65 min Scan# 776  
 Delta R.T. -0.00 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

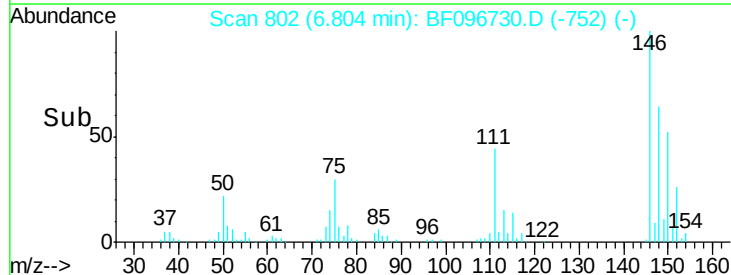
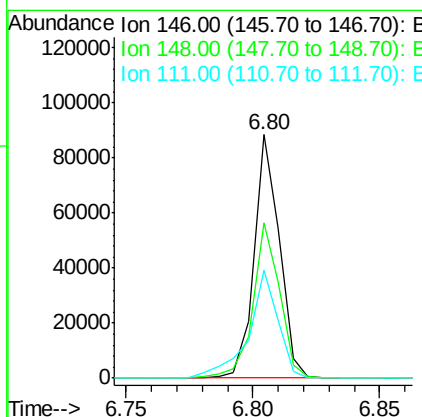
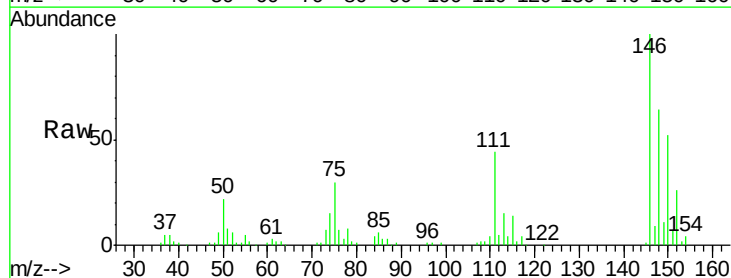
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

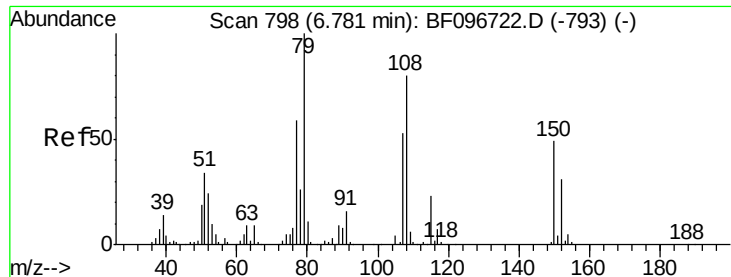
Tot Ion:146 Resp: 65992  
 Ion Ratio Lower Upper  
 146 100  
 148 62.1 52.2 78.2  
 111 41.6 30.3 45.5



#14  
 1,2-Dichlorobenzene  
 Concen: 9.00 ng  
 RT: 6.80 min Scan# 802  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Tgt Ion:146 Resp: 61618  
 Ion Ratio Lower Upper  
 146 100  
 148 63.8 50.4 75.6  
 111 44.5 38.2 57.4





#15

Benzyl Alcohol

Concen: 9.86 ng

RT: 6.77 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

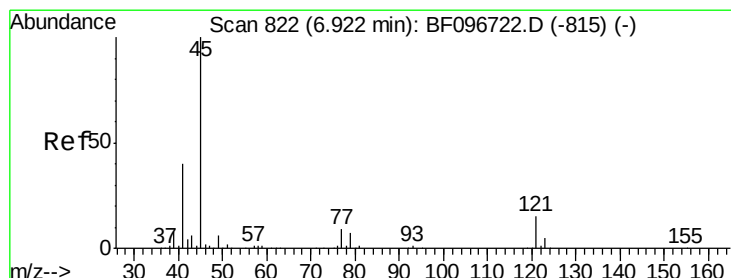
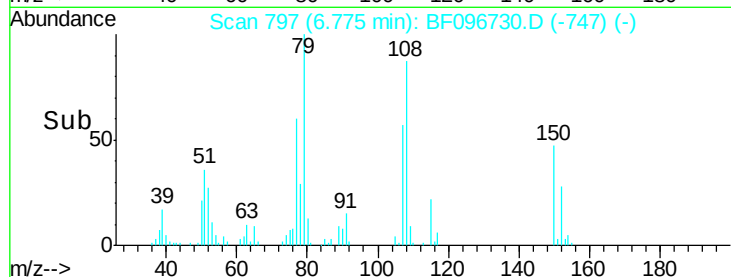
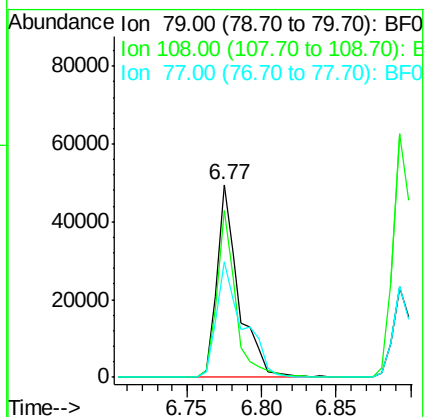
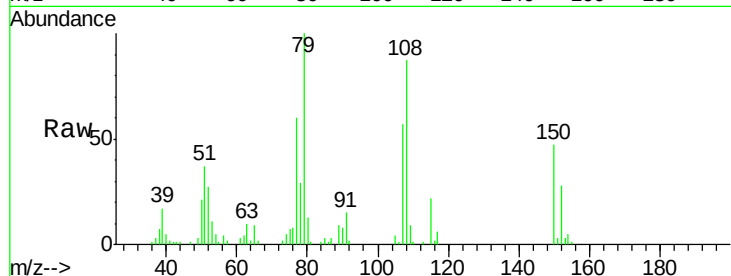
Tot Ion: 79 Resp: 50210

Ion Ratio Lower Upper

79 100

108 86.9 63.4 95.0

77 60.0 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 8.45 ng

RT: 6.92 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

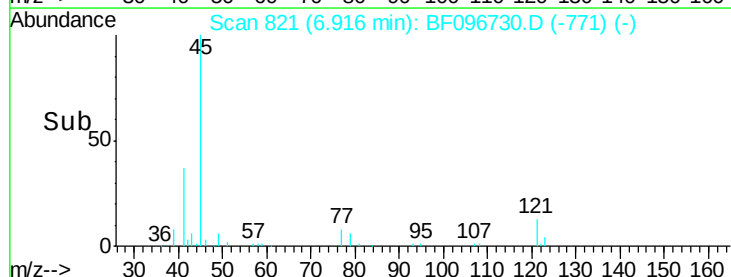
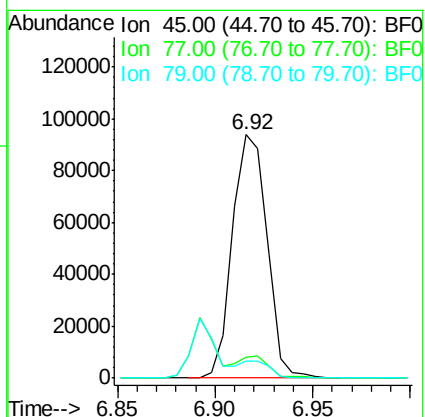
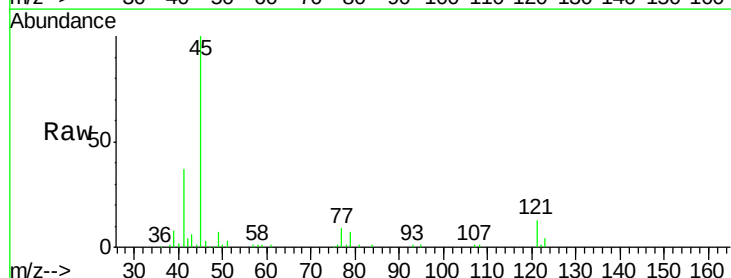
Tgt Ion: 45 Resp: 115233

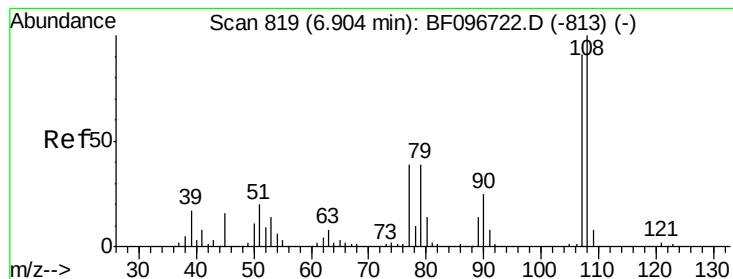
Ion Ratio Lower Upper

45 100

77 8.8 0.0 33.2

79 6.8 0.0 30.0

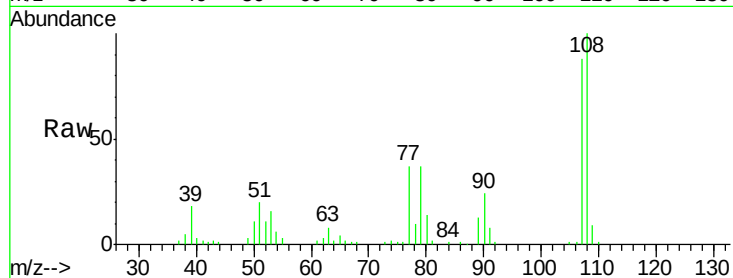




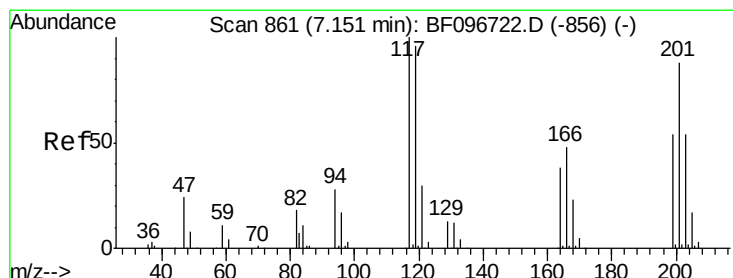
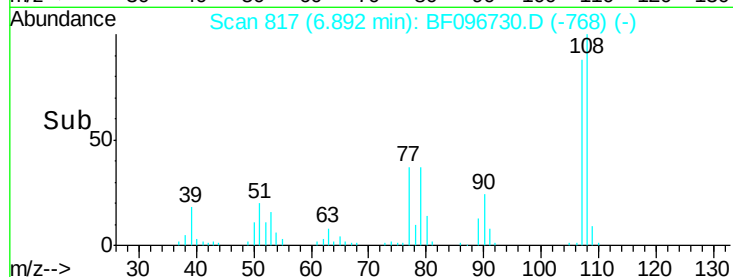
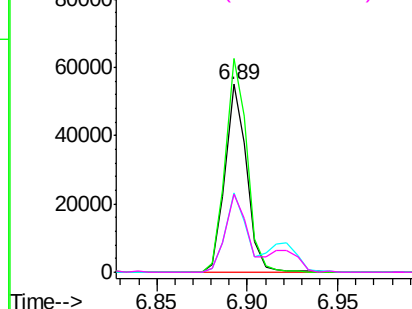
#17  
2-Methylphenol  
Concen: 8.45 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF096730.D  
Acq: 13 Jul 2017 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL-01-QT3-2017

Tot Ion:107 Resp: 45914  
Ion Ratio Lower Upper  
107 100  
108 113.8 93.4 140.0  
77 42.6 35.8 53.6  
79 41.9 34.8 52.2

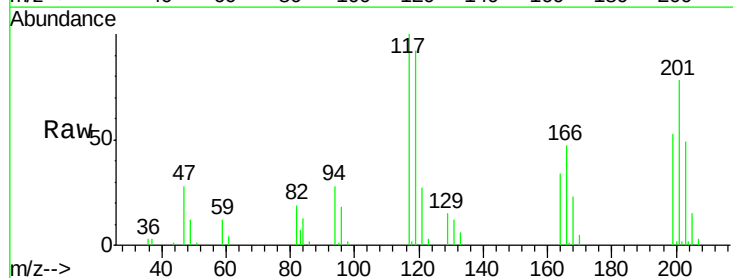


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

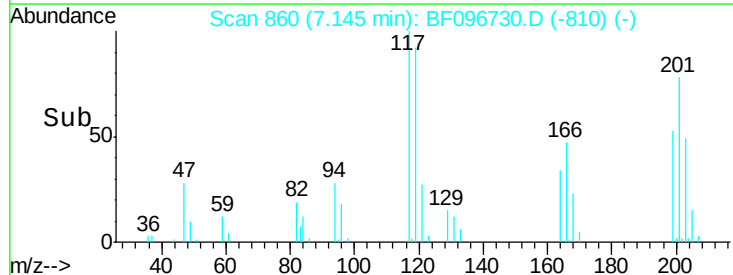
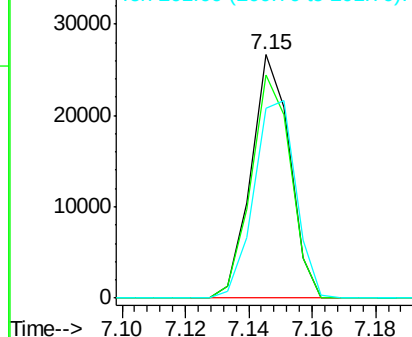


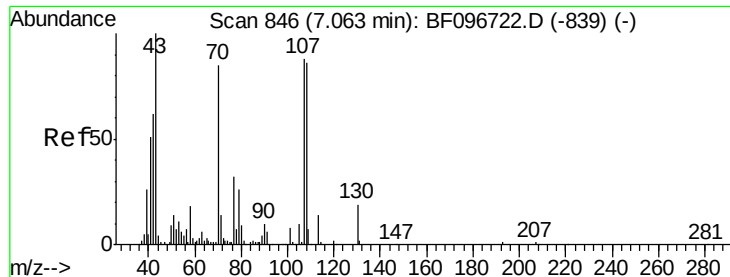
#18  
Hexachloroethane  
Concen: 8.44 ng  
RT: 7.15 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: BF096730.D  
Acq: 13 Jul 2017 16:23

Tgt Ion:117 Resp: 22511  
Ion Ratio Lower Upper  
117 100  
119 91.9 77.4 116.0  
201 78.0 94.6 141.8#



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

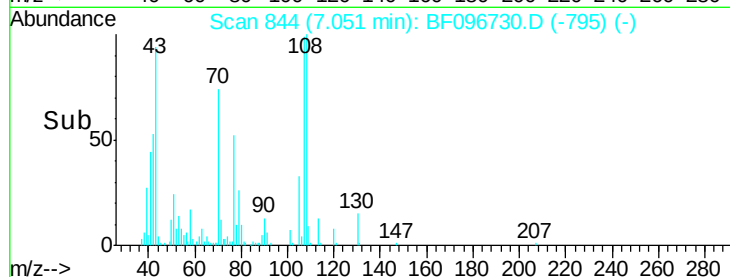
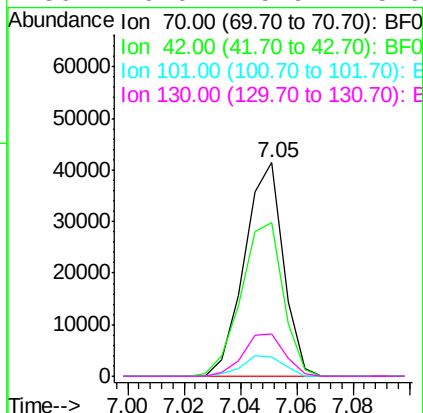
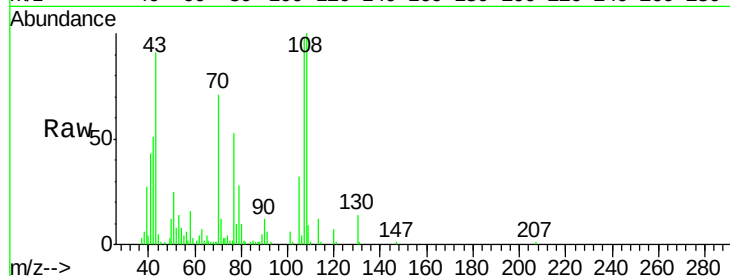




#19  
n-Nitroso-di-n-propylamine  
Concen: 8.42 ng  
RT: 7.05 min Scan# 844  
Delta R.T. -0.01 min  
Lab File: BF096730.D  
Acq: 13 Jul 2017 16:23

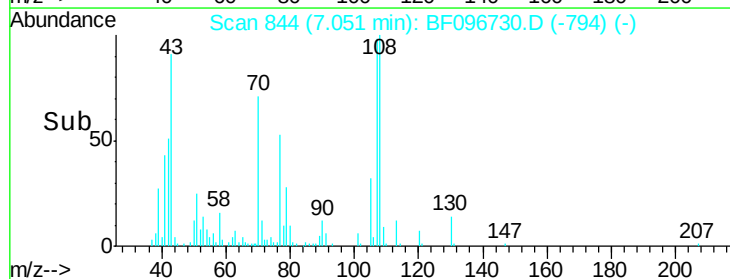
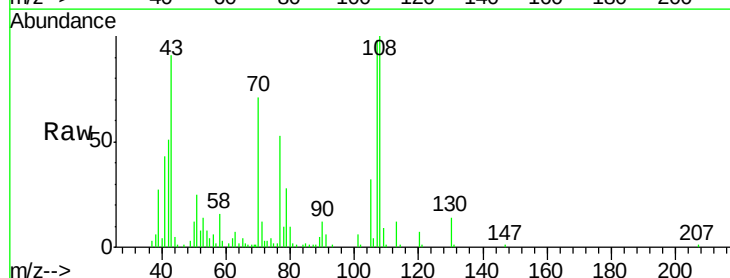
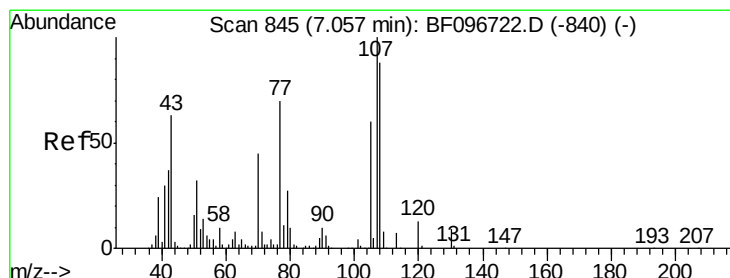
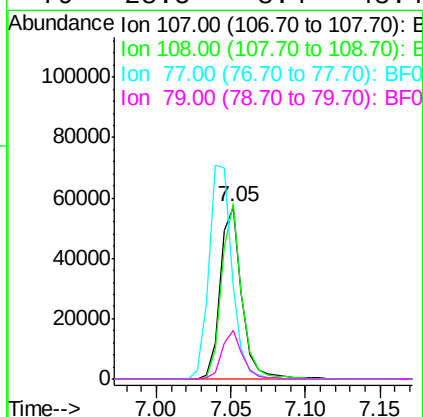
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL-01-QT3-2017

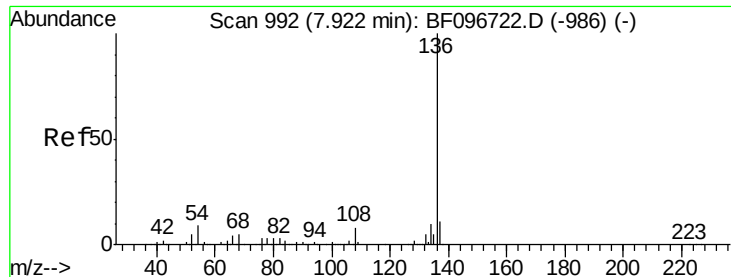
Tot Ion: 70 Resp: 39459  
Ion Ratio Lower Upper  
70 100  
42 72.0 47.2 70.8#  
101 9.0 7.2 10.8  
130 20.0 15.9 23.9



#20  
3+4-Methylphenols  
Concen: 8.84 ng  
RT: 7.05 min Scan# 844  
Delta R.T. -0.01 min  
Lab File: BF096730.D  
Acq: 13 Jul 2017 16:23

Tgt Ion: 107 Resp: 58290  
Ion Ratio Lower Upper  
107 100  
108 101.7 71.0 111.0  
77 53.5 90.5 130.5#  
79 28.5 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion:136 Resp: 463159

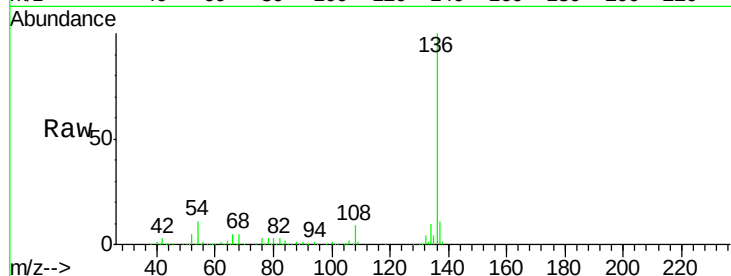
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.5 4.9 7.3#

68 5.2 4.1 6.1

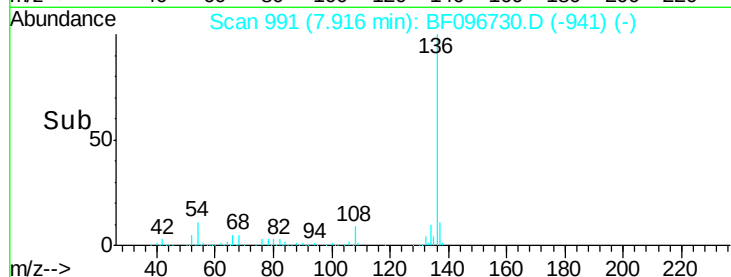


Abundance Ion 136.00 (135.70 to 136.70): E

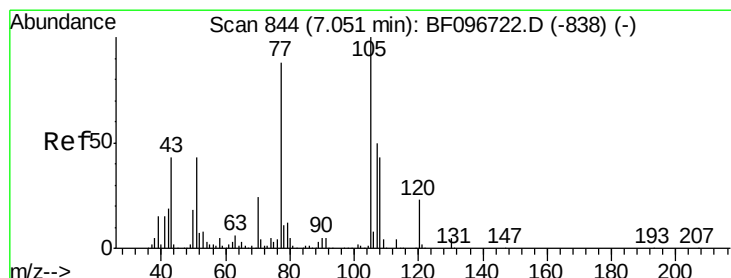
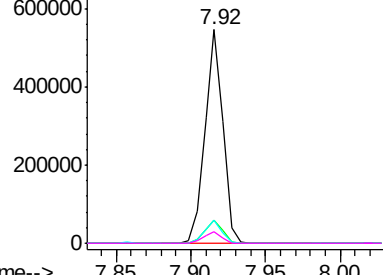
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 7.64 ng

RT: 7.04 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Tgt Ion:105 Resp: 79051

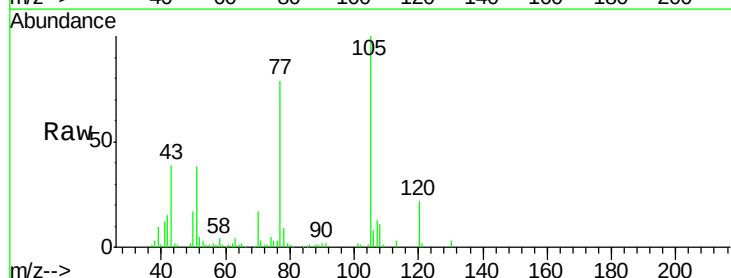
Ion Ratio Lower Upper

105 100

71 2.5 2.8 4.2#

51 38.3 30.7 46.1

120 21.8 17.4 26.0

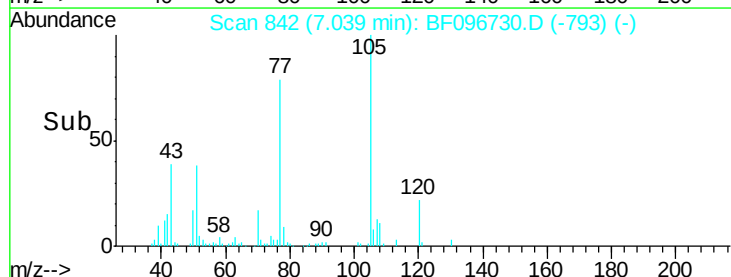


Abundance Ion 105.00 (104.70 to 105.70): E

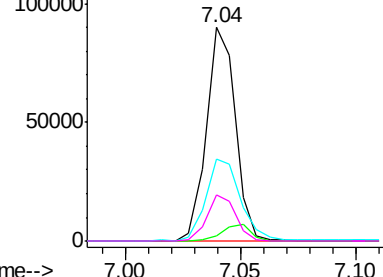
Ion 71.00 (70.70 to 71.70): BF0

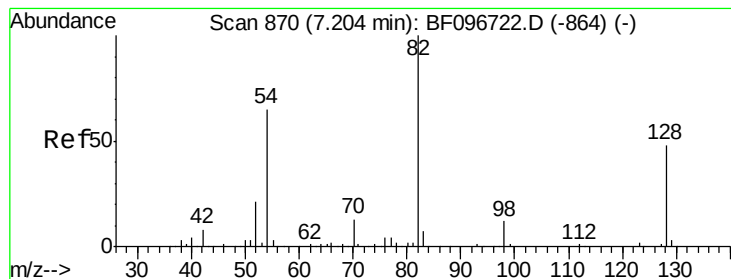
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->





#23

Nitrobenzene-d5

Concen: 85.42 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

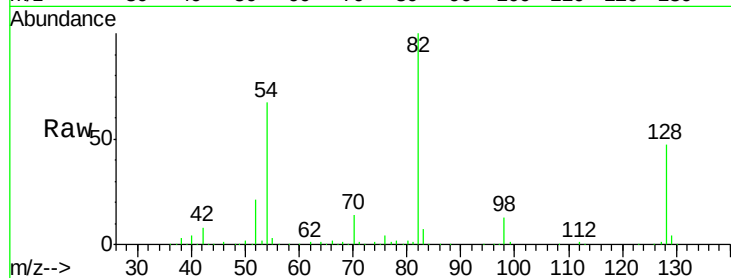
Tot Ion: 82 Resp: 638739

Ion Ratio Lower Upper

82 100

128 47.2 34.0 51.0

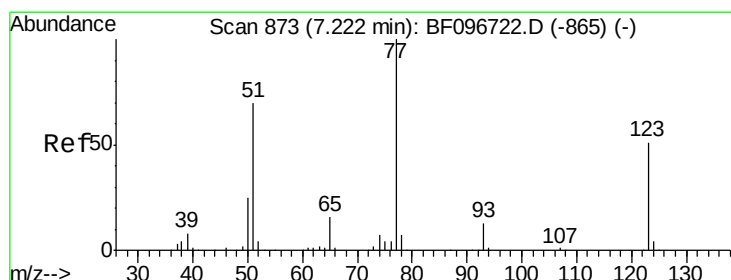
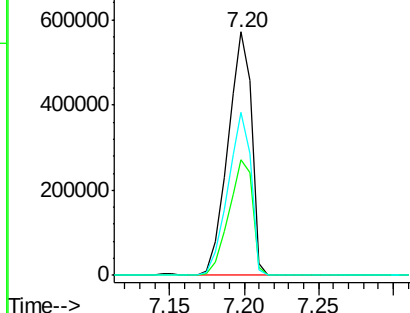
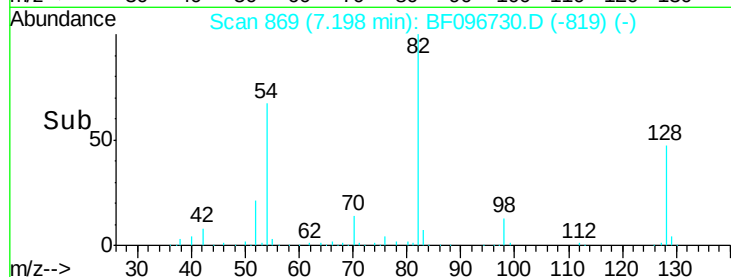
54 67.1 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 7.67 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

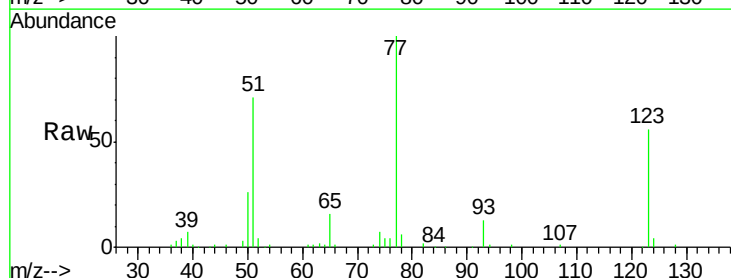
Tgt Ion: 77 Resp: 59306

Ion Ratio Lower Upper

77 100

123 56.0 35.8 53.8#

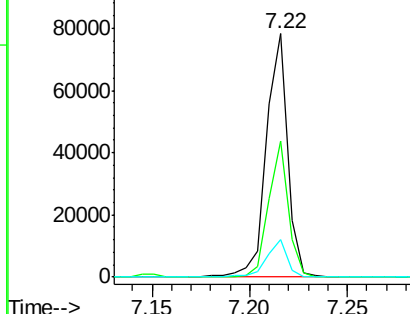
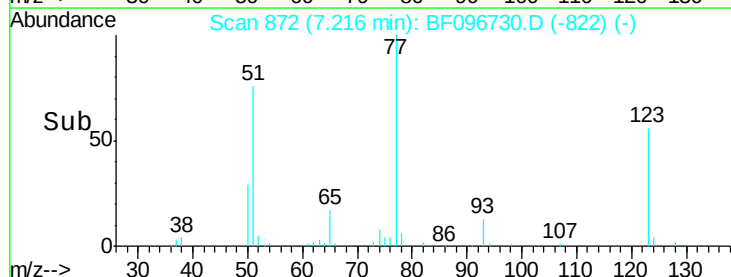
65 15.6 10.6 15.8

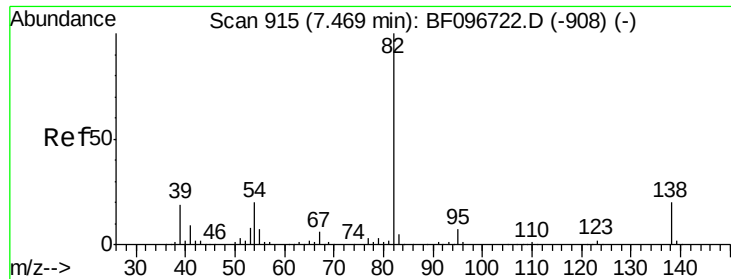


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 7.41 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

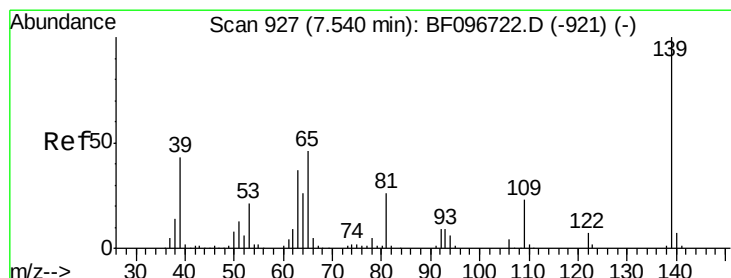
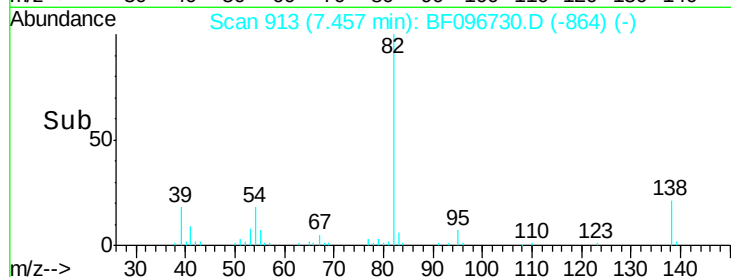
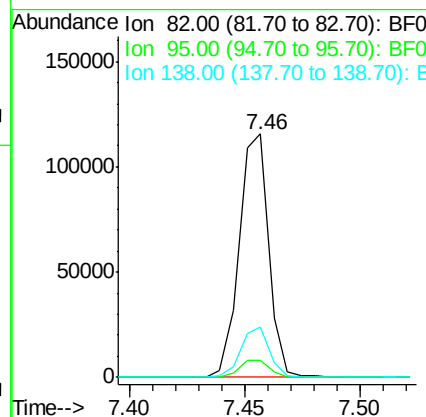
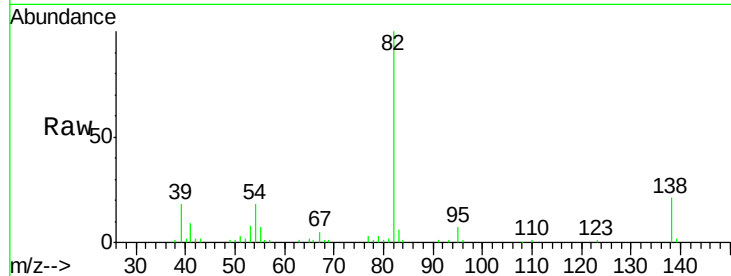
Tot Ion: 82 Resp: 103131

Ion Ratio Lower Upper

82 100

95 7.2 5.3 7.9

138 20.7 13.1 19.7#



#26

2-Nitrophenol

Concen: 7.47 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

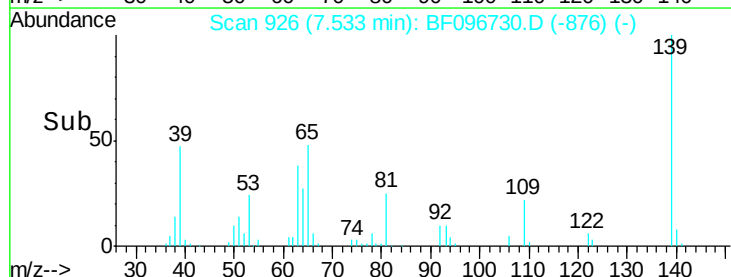
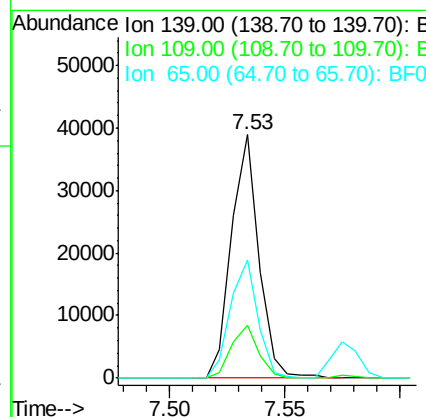
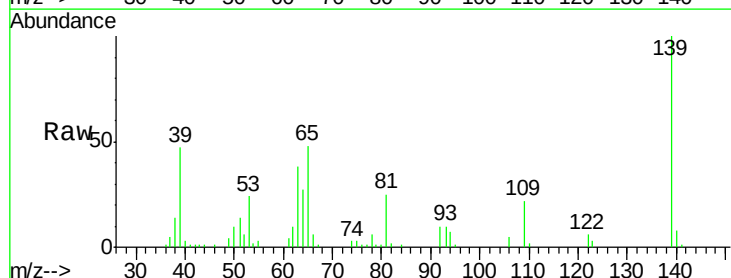
Tgt Ion: 139 Resp: 32127

Ion Ratio Lower Upper

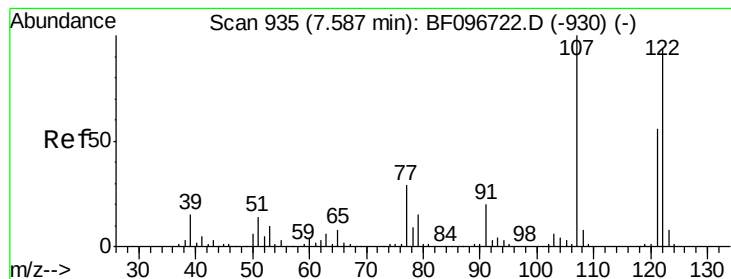
139 100

109 21.9 21.0 31.6

65 48.4 33.0 49.6







#27

2,4-Dimethylphenol

Concen: 7.61 ng

RT: 7.57 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

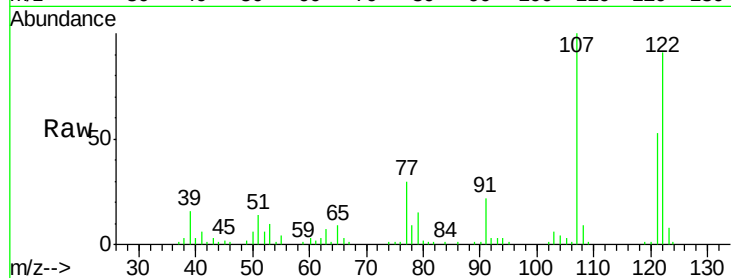
Tot Ion:122 Resp: 53832

Ion Ratio Lower Upper

122 100

107 109.4 89.2 133.8

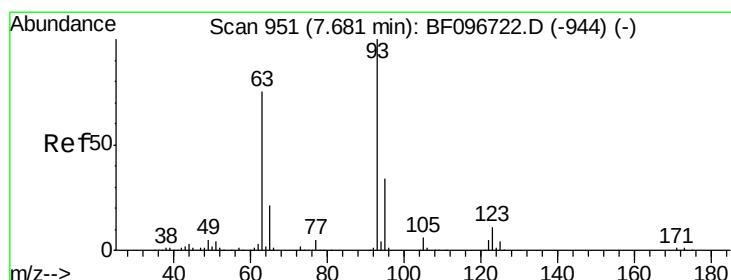
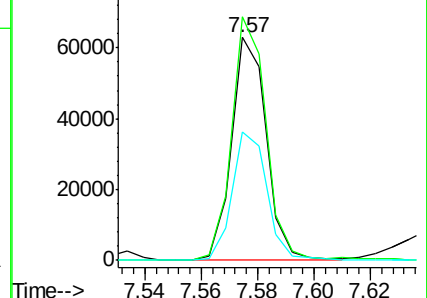
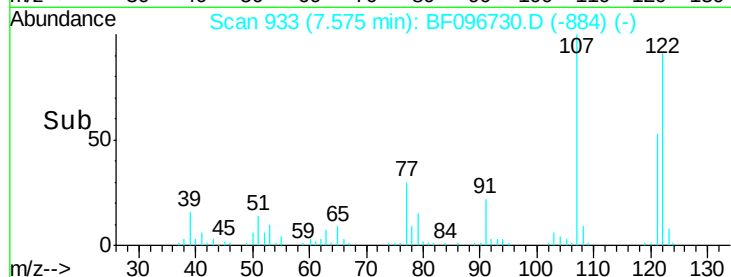
121 57.8 45.2 67.8



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: 8.26 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

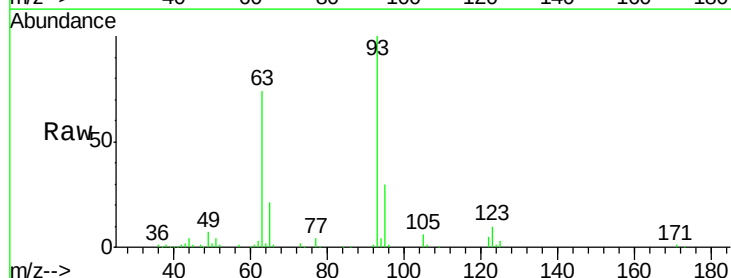
Tgt Ion: 93 Resp: 77625

Ion Ratio Lower Upper

93 100

95 30.0 26.5 39.7

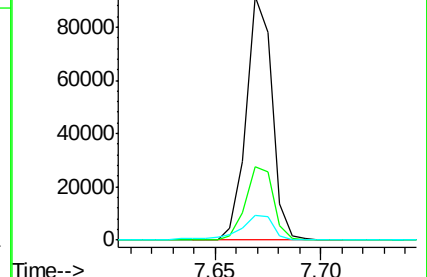
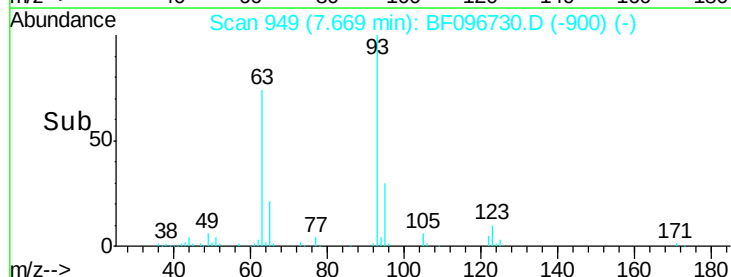
123 10.1 9.0 13.4

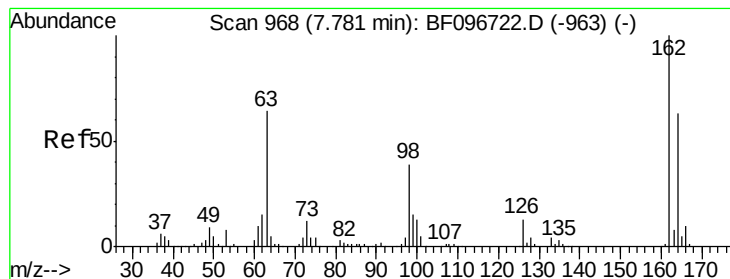


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

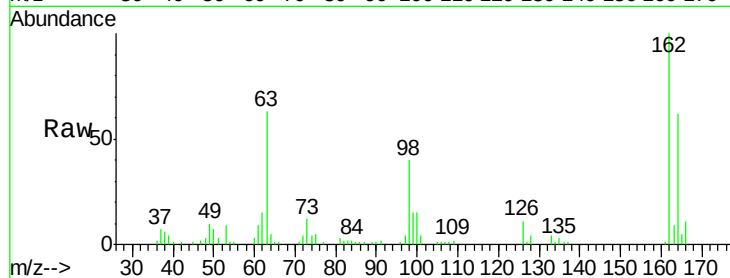




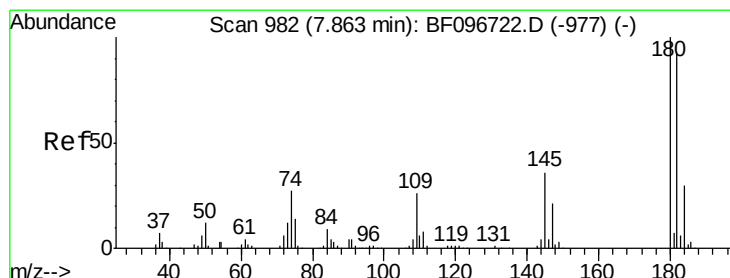
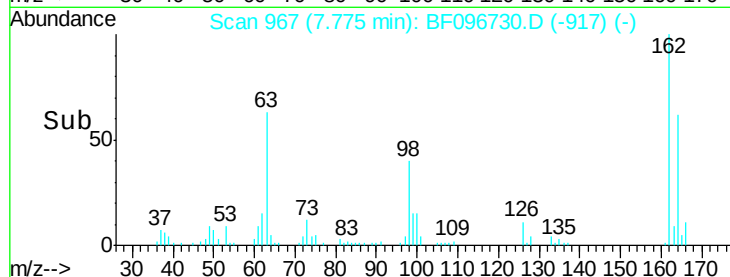
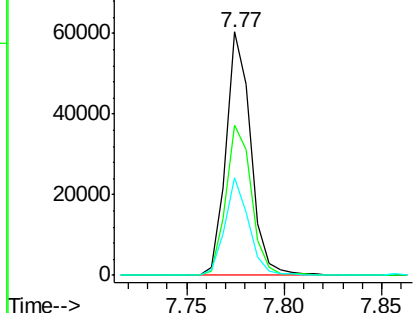
#29  
 2,4-Dichlorophenol  
 Concen: 8.28 ng  
 RT: 7.77 min Scan# 967  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 61.8  | 44.6  | 84.6  |
| 98      | 40.2  | 14.8  | 54.8  |

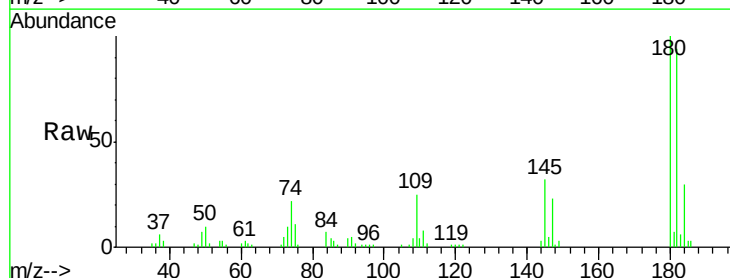


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

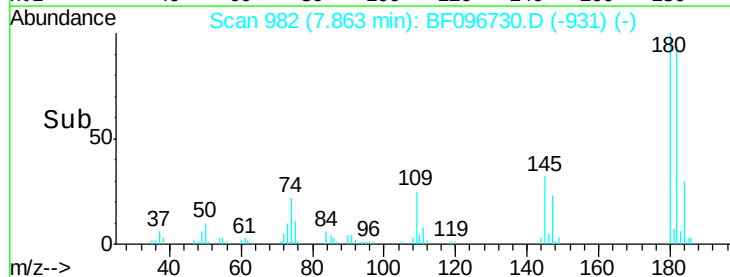
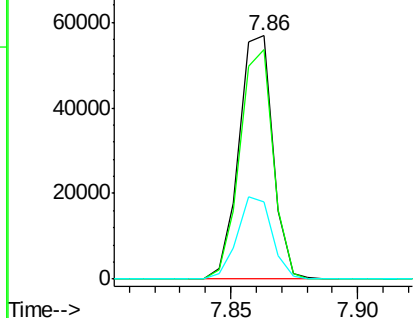


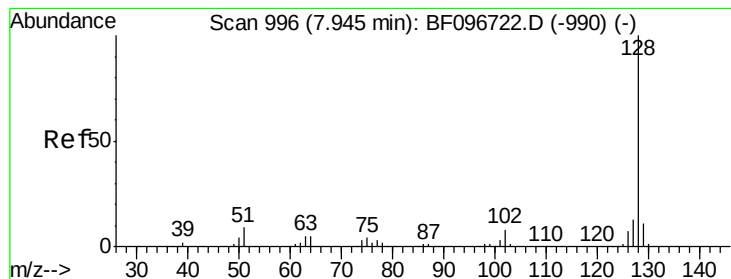
#30  
 1,2,4-Trichlorobenzene  
 Concen: 8.69 ng  
 RT: 7.86 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.3  | 75.8  | 113.6 |
| 145     | 31.6  | 25.3  | 37.9  |



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: 9.02 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

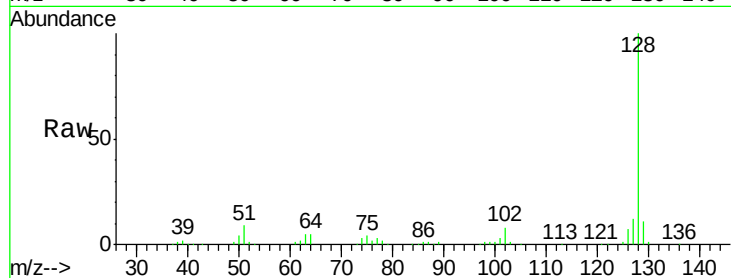
Tot Ion:128 Resp: 197880

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

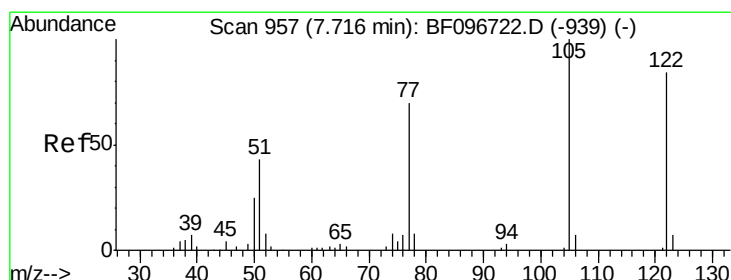
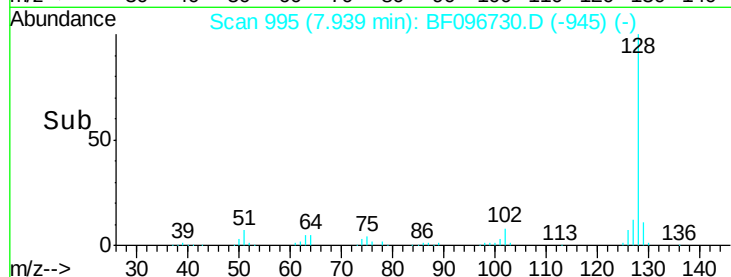
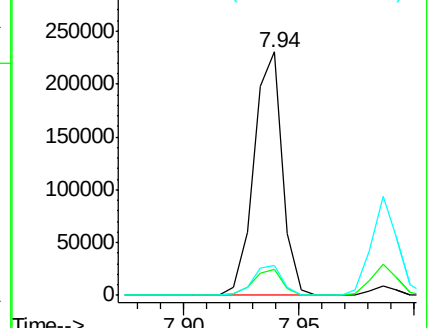
127 12.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.26 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

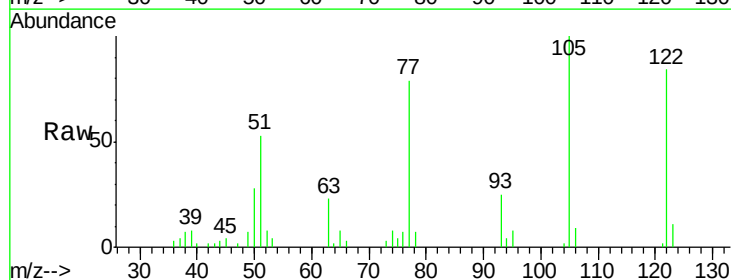
Tgt Ion:122 Resp: 28325

Ion Ratio Lower Upper

122 100

105 118.9 103.3 143.3

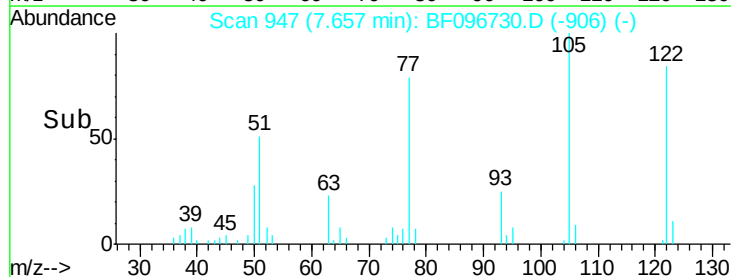
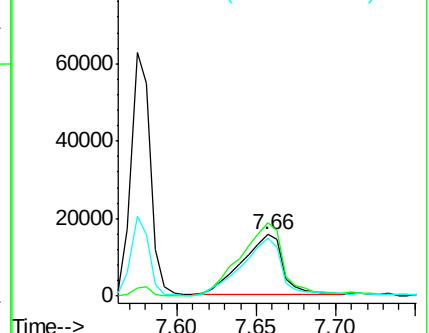
77 93.7 73.7 113.7

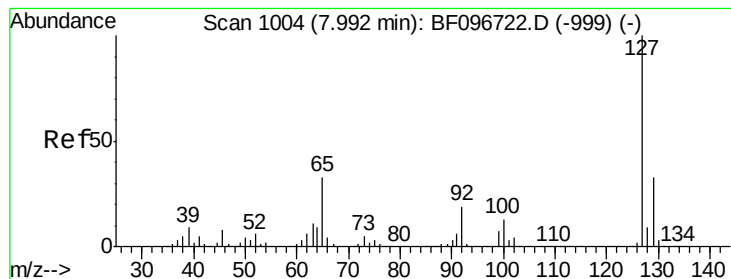


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 8.74 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion:127 Resp: 75945

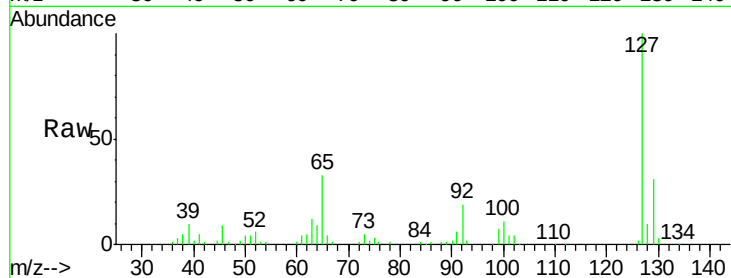
Ion Ratio Lower Upper

127 100

129 31.1 26.2 39.2

65 32.7 27.8 41.8

92 19.1 16.8 25.2

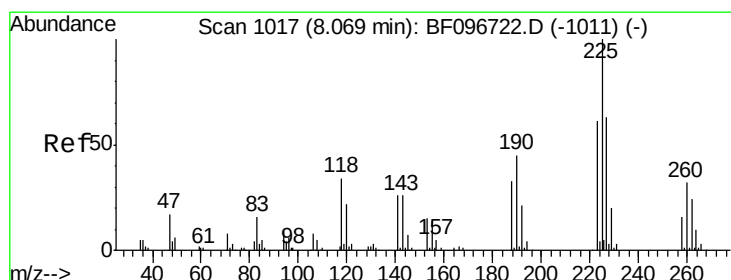
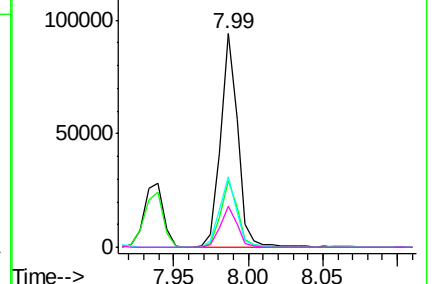
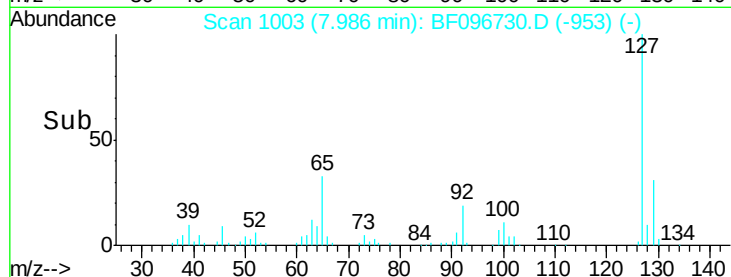


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 8.49 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

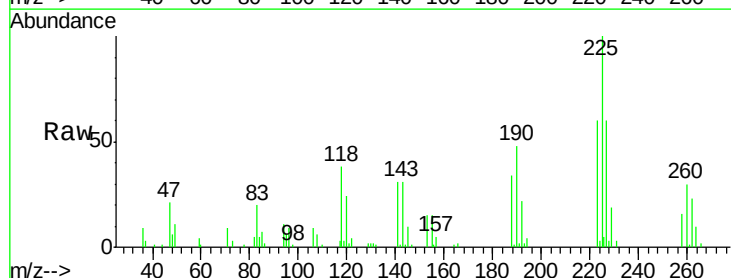
Tgt Ion:225 Resp: 27606

Ion Ratio Lower Upper

225 100

223 60.2 48.8 73.2

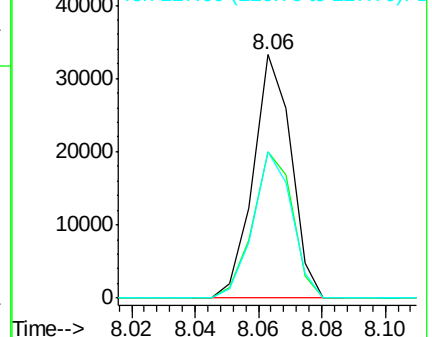
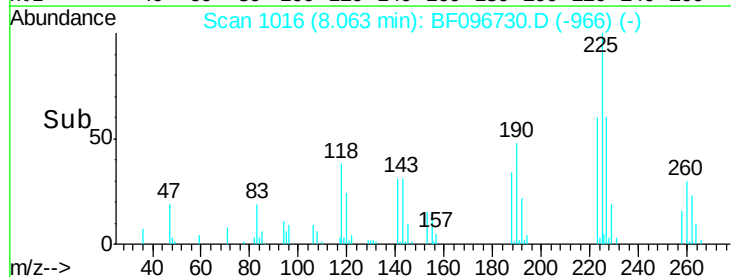
227 60.3 51.1 76.7

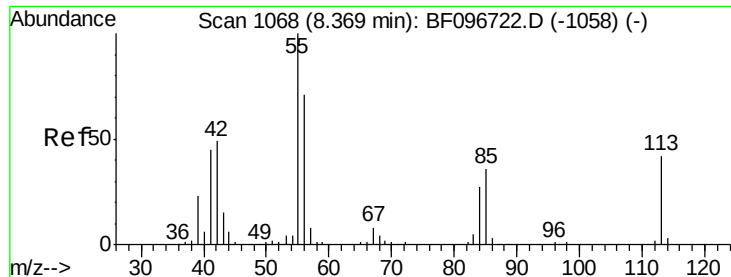


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

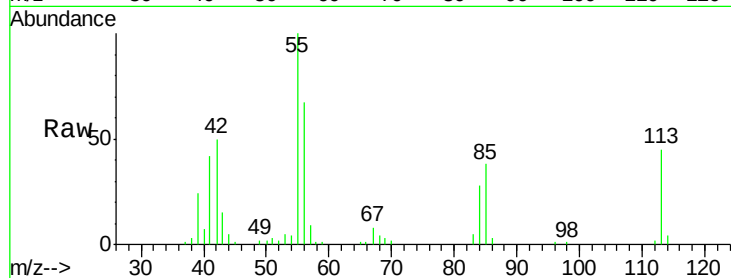




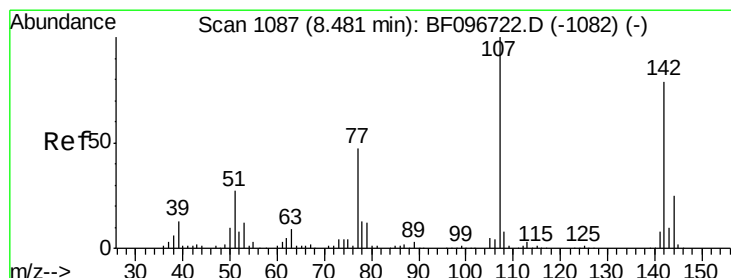
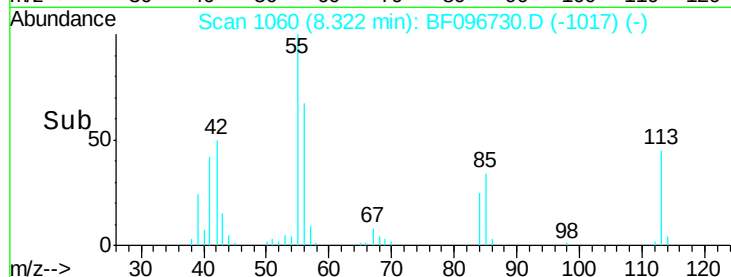
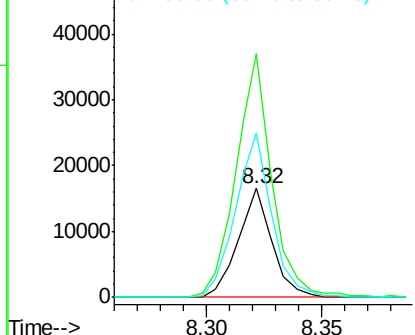
#35  
 Caprolactam  
 Concen: 8.22 ng  
 RT: 8.32 min Scan# 1060  
 Delta R.T. -0.05 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

Tot Ion:113 Resp: 16863  
 Ion Ratio Lower Upper  
 113 100  
 55 223.8 150.2 190.2#  
 56 150.8 107.8 147.8#

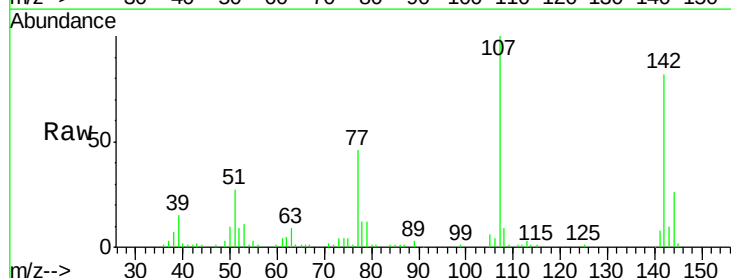


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF0  
 Ion 56.00 (55.70 to 56.70): BF0

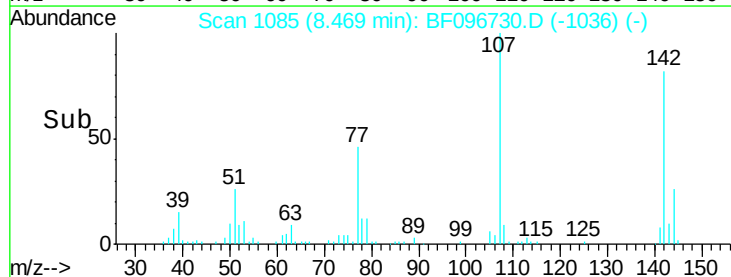
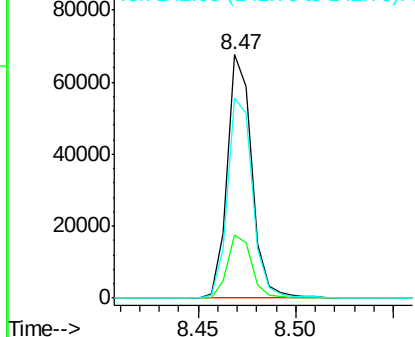


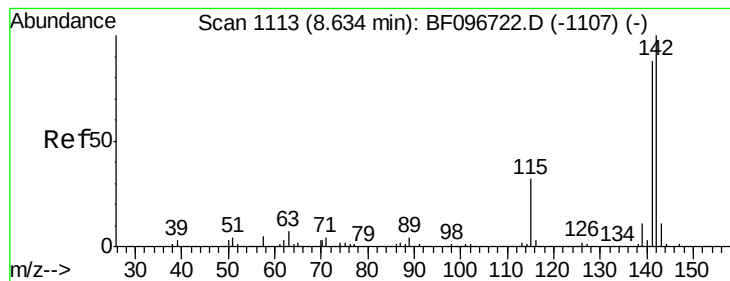
#36  
 4-Chloro-3-methylphenol  
 Concen: 8.59 ng  
 RT: 8.47 min Scan# 1085  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Tgt Ion:107 Resp: 59129  
 Ion Ratio Lower Upper  
 107 100  
 144 25.9 24.2 36.4  
 142 82.2 73.4 110.0



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: 9.08 ng

RT: 8.63 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

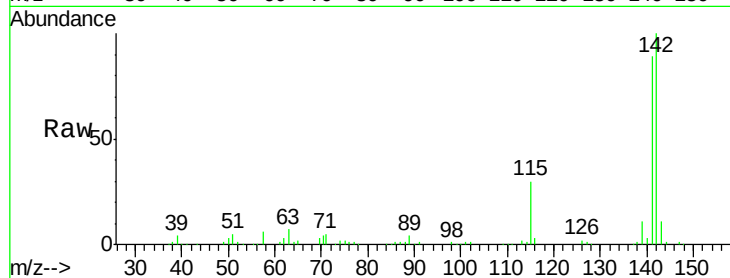
Tot Ion:142 Resp: 126976

Ion Ratio Lower Upper

142 100

141 88.7 71.3 106.9

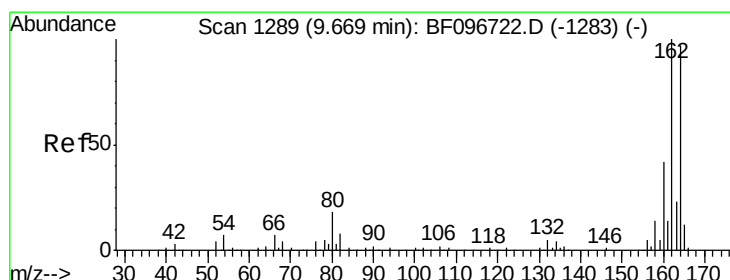
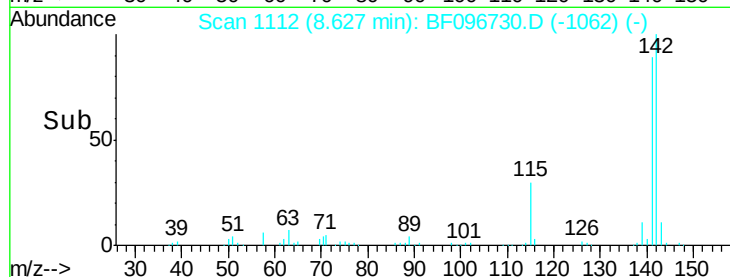
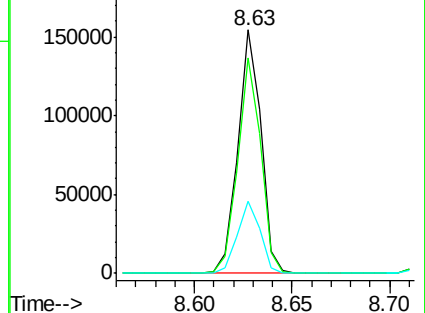
115 29.8 27.1 40.7



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

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

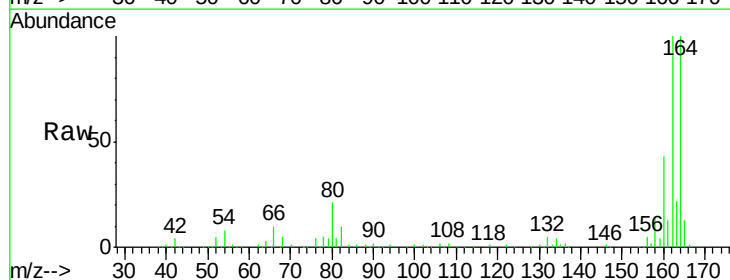
Tgt Ion:164 Resp: 205903

Ion Ratio Lower Upper

164 100

162 100.2 82.6 123.8

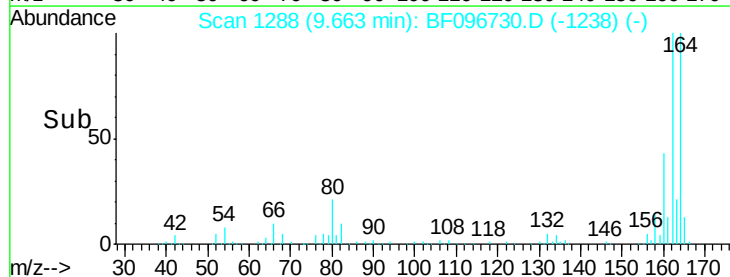
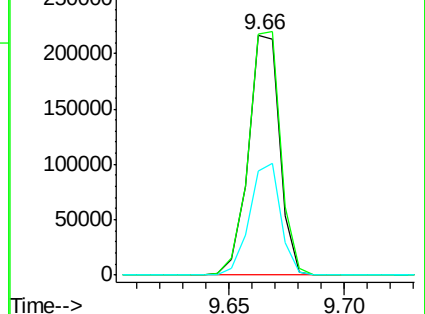
160 43.3 36.2 54.2

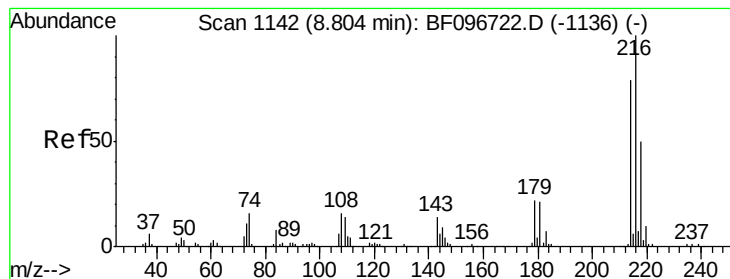


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 9.18 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

Tot Ion:216 Resp: 51099

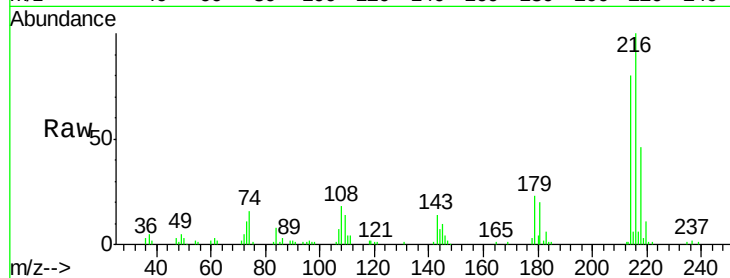
Ion Ratio Lower Upper

216 100

214 80.0 63.4 95.2

179 22.9 17.9 26.9

108 19.7 16.5 24.7

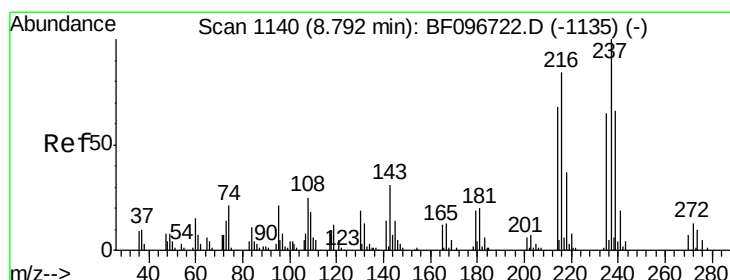
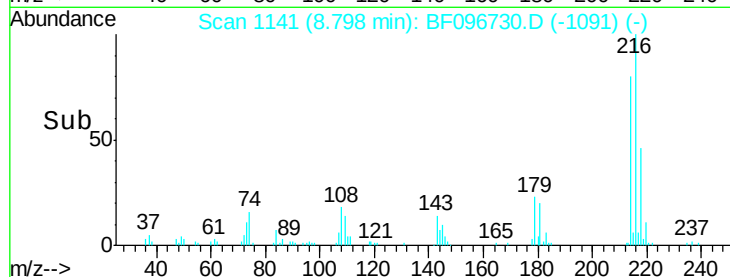
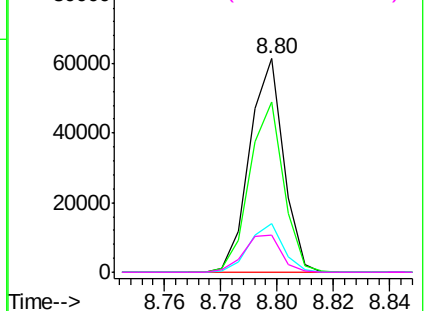


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 9.21 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

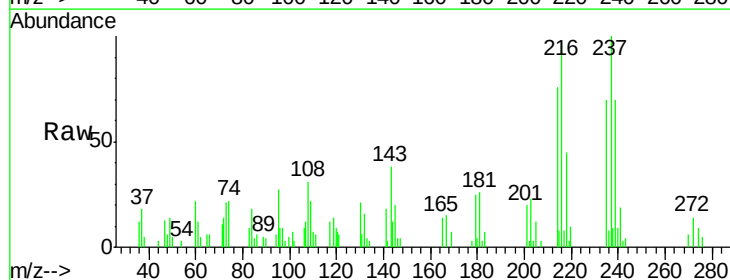
Tgt Ion:237 Resp: 9441

Ion Ratio Lower Upper

237 100

235 69.9 42.6 82.6

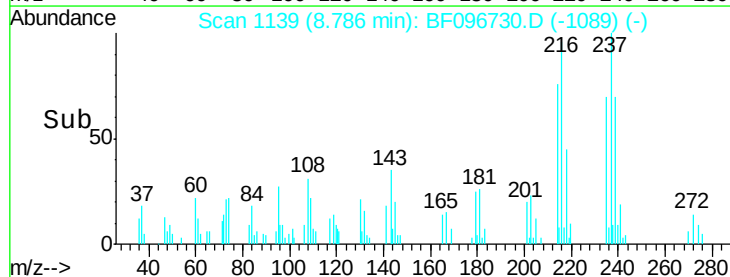
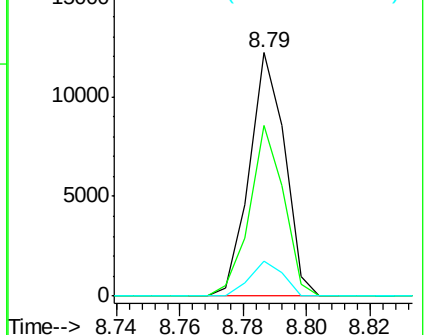
272 14.4 0.0 31.9

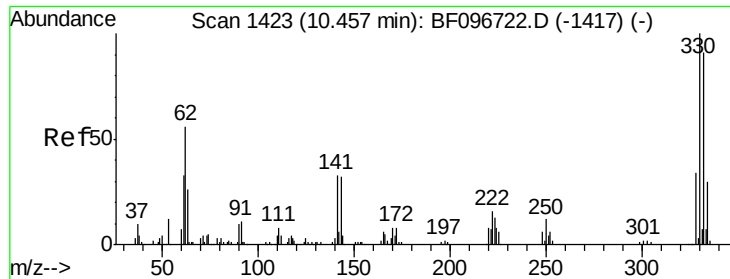


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 124.17 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

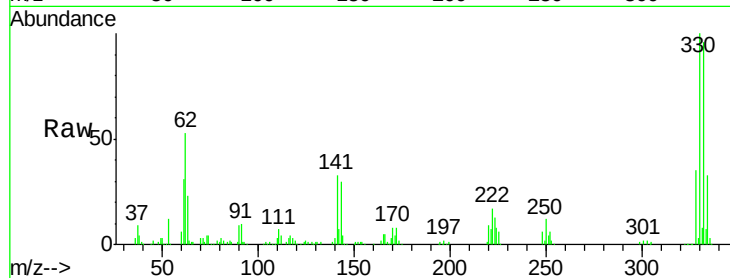
Tot Ion:330 Resp: 218235

Ion Ratio Lower Upper

330 100

332 96.1 76.6 115.0

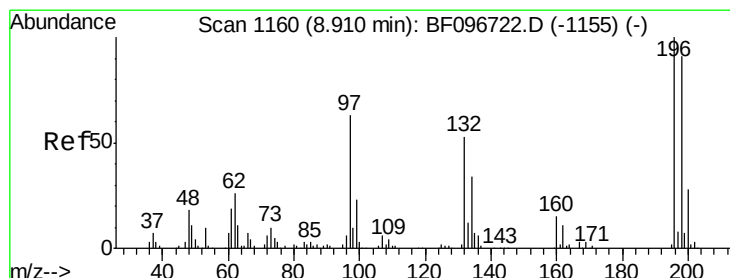
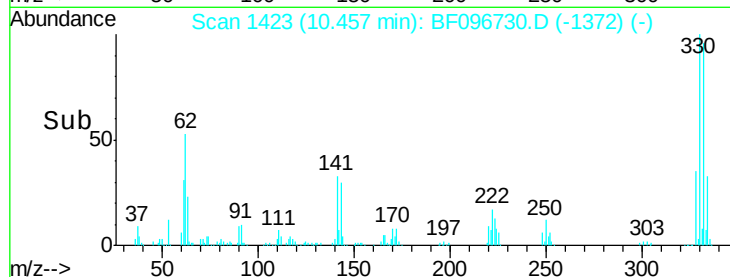
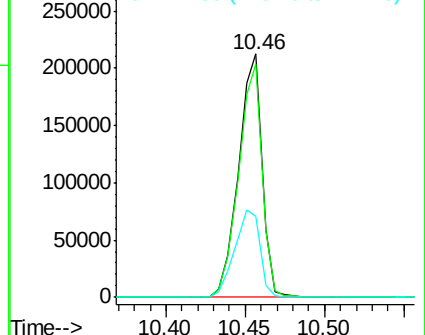
141 38.7 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 8.52 ng

RT: 8.91 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

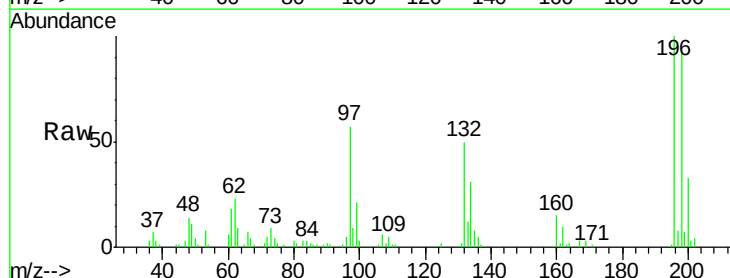
Tgt Ion:196 Resp: 34980

Ion Ratio Lower Upper

196 100

198 93.1 74.2 111.4

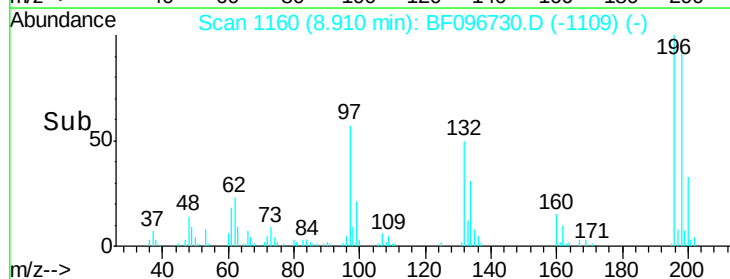
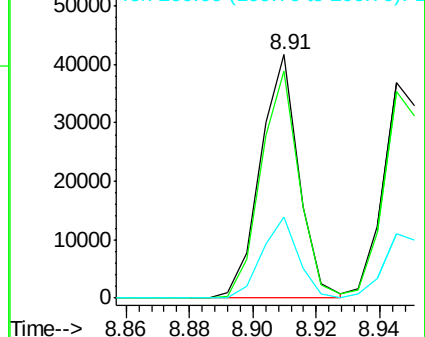
200 33.0 24.0 36.0



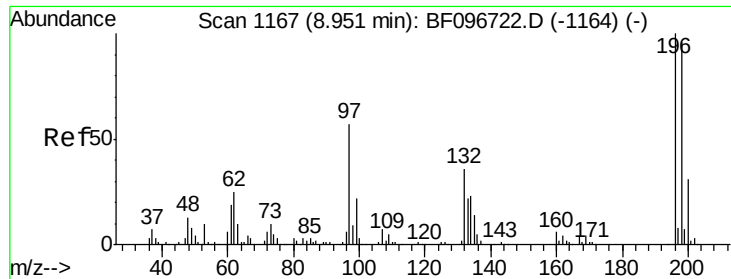
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



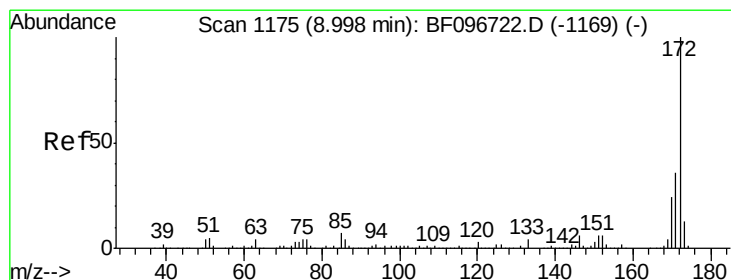
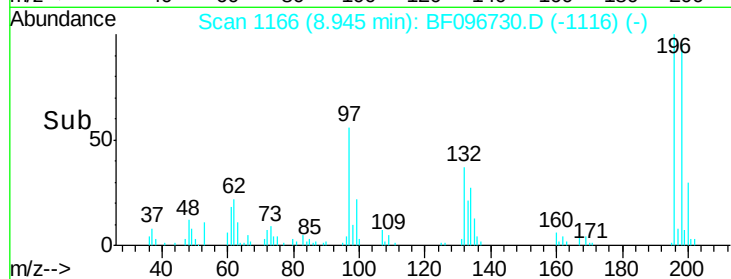
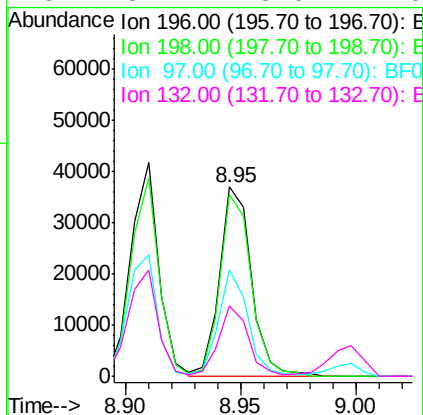
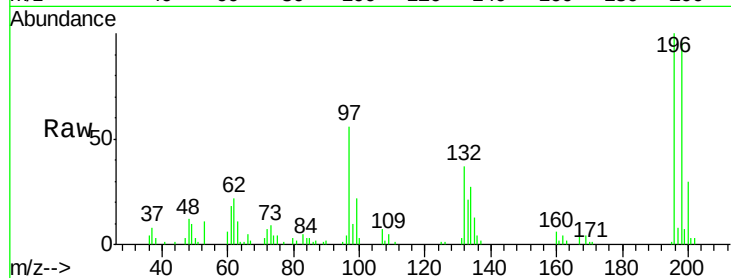




#43  
 2,4,5-Trichlorophenol  
 Concen: 8.49 ng  
 RT: 8.95 min Scan# 1166  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

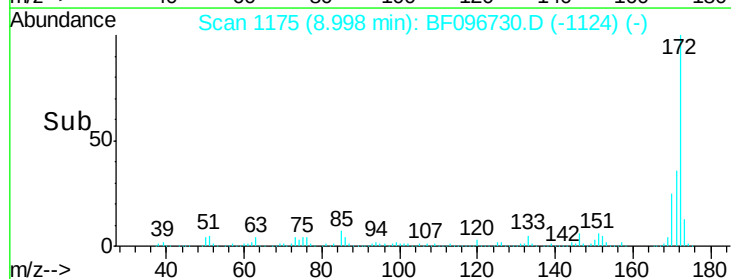
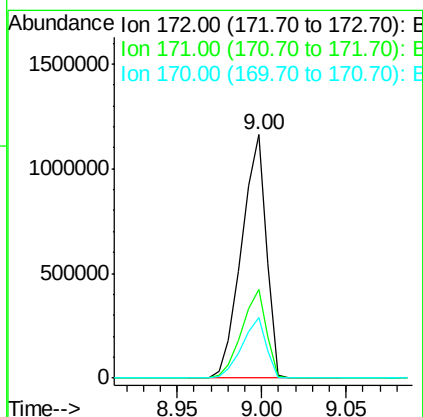
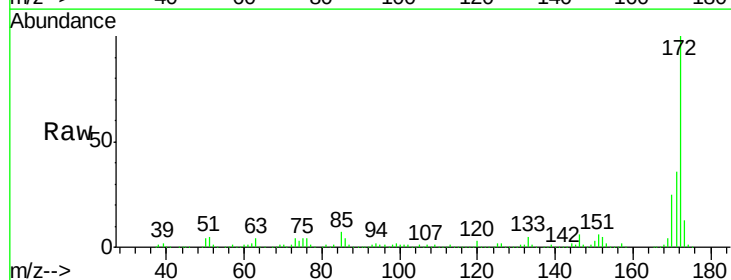
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

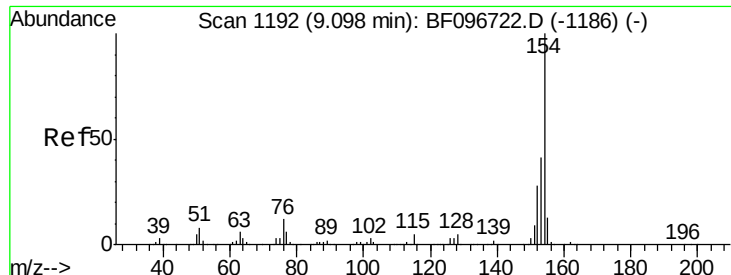
|             |       |            |
|-------------|-------|------------|
| Tot Ion:196 | Resp: | 35148      |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 95.9  | 75.7 113.5 |
| 97          | 56.1  | 47.7 71.5  |
| 132         | 37.2  | 28.0 42.0  |



#44  
 2-Fluorobiphenyl  
 Concen: 91.19 ng  
 RT: 9.00 min Scan# 1175  
 Delta R.T. -0.00 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 1188485   |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 36.2  | 29.6 44.4 |
| 170         | 24.8  | 19.8 29.8 |

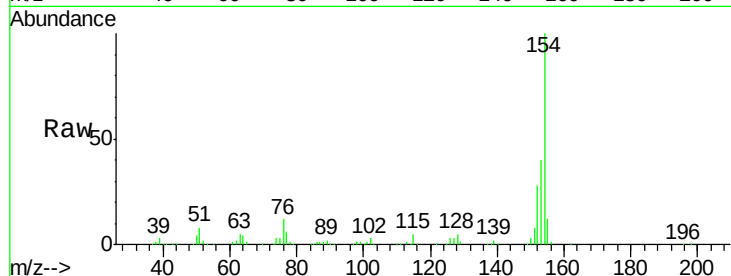




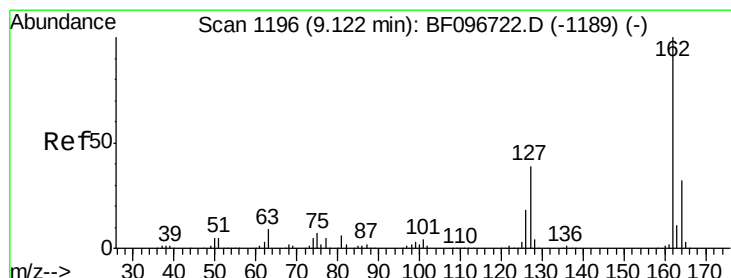
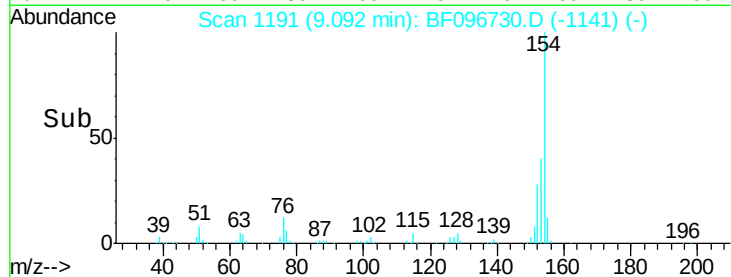
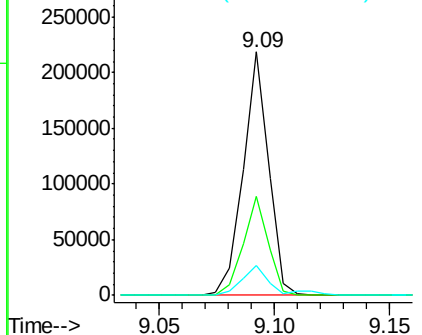
#45  
 1,1'-Biphenyl  
 Concen: 9.49 ng  
 RT: 9.09 min Scan# 1191  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.5  | 21.2  | 61.2  |
| 76      | 12.5  | 0.0   | 29.9  |

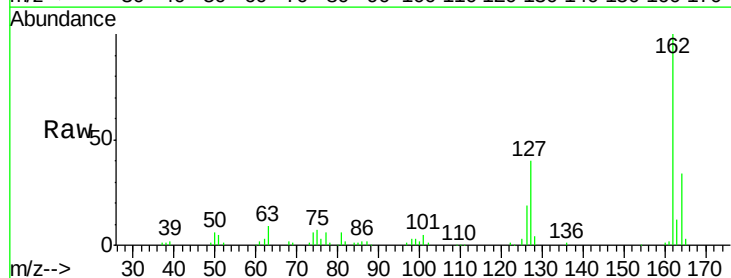


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

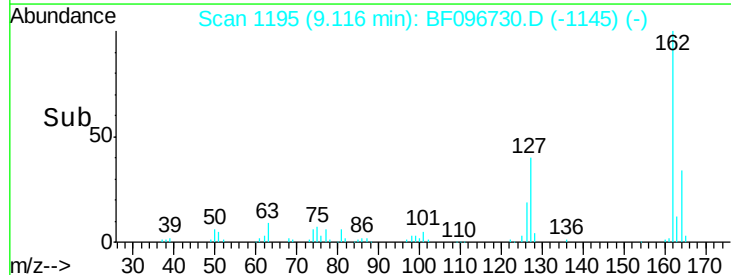
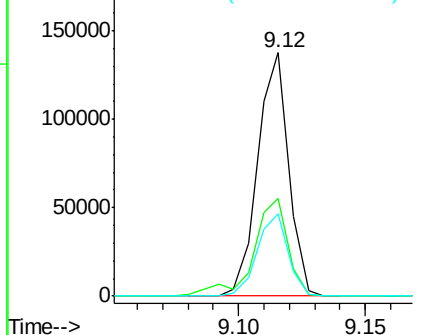


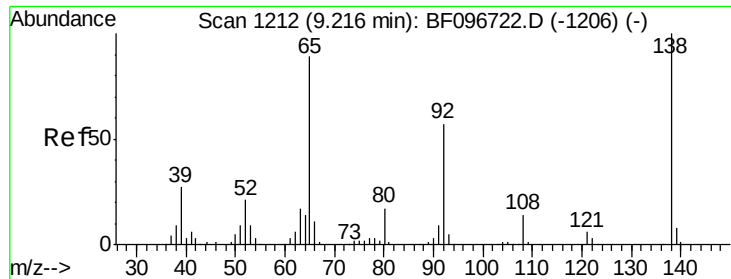
#46  
 2-Chloronaphthalene  
 Concen: 8.97 ng  
 RT: 9.12 min Scan# 1195  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.3  | 28.3  | 42.5  |
| 164     | 33.7  | 27.0  | 40.4  |



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

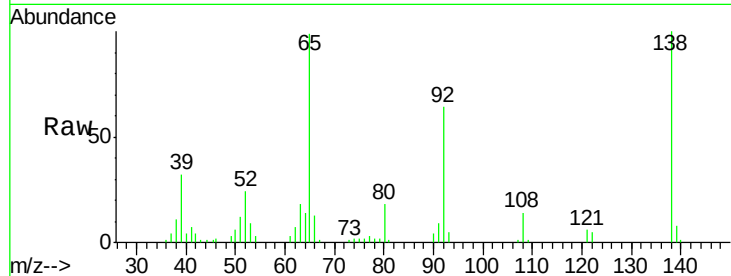




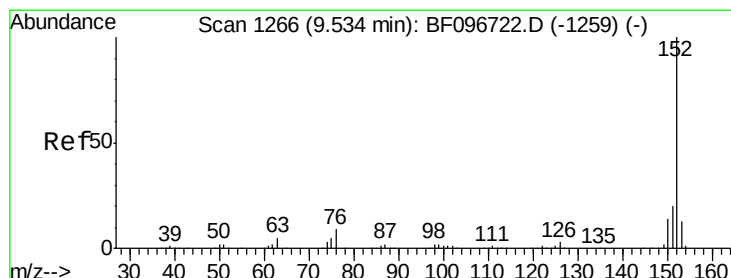
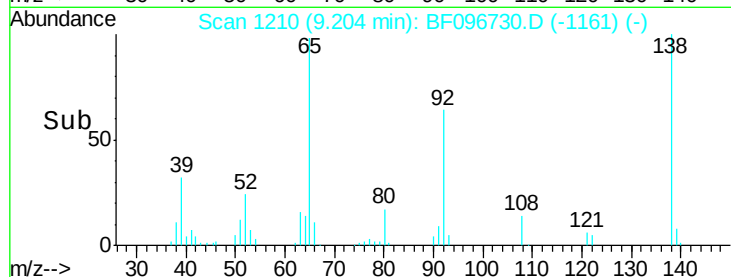
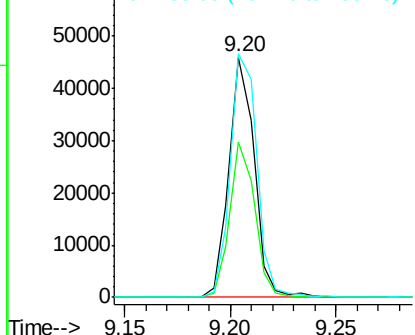
#47  
 2-Nitroaniline  
 Concen: 8.53 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

Tot Ion: 65 Resp: 38149  
 Ion Ratio Lower Upper  
 65 100  
 92 64.7 53.9 80.9  
 138 101.4 78.8 118.2

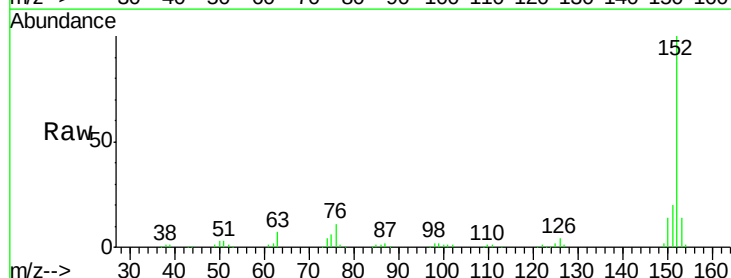


Abundance Ion 65.00 (64.70 to 65.70): BF0  
 Ion 92.00 (91.70 to 92.70): BF0  
 Ion 138.00 (137.70 to 138.70): E

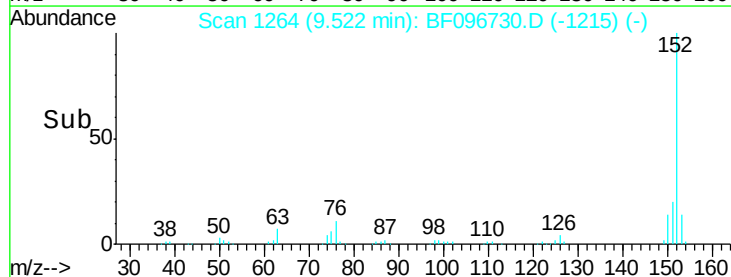
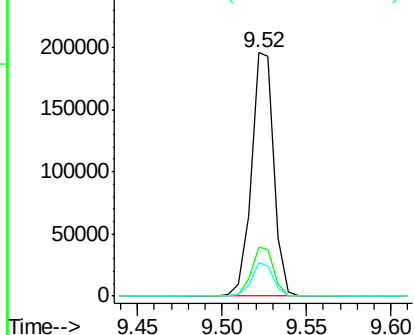


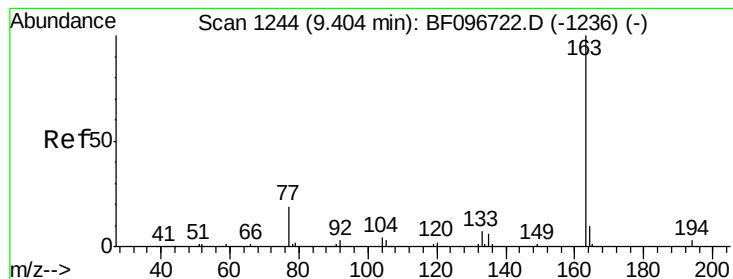
#48  
 Acenaphthylene  
 Concen: 8.78 ng  
 RT: 9.52 min Scan# 1264  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Tgt Ion: 152 Resp: 181949  
 Ion Ratio Lower Upper  
 152 100  
 151 20.4 16.8 25.2  
 153 13.9 10.8 16.2



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





#49

Dimethylphthalate

Concen: 8.98 ng

RT: 9.39 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

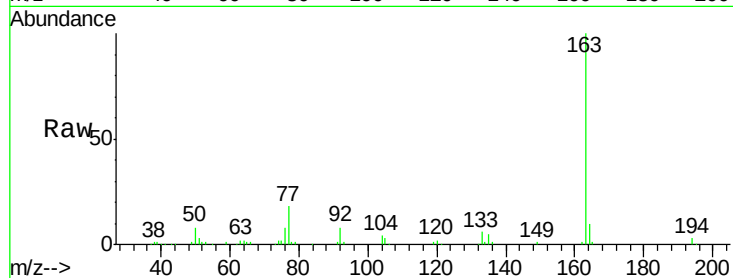
Tot Ion:163 Resp: 139264

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

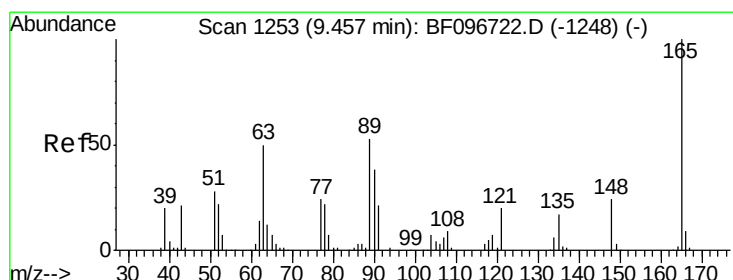
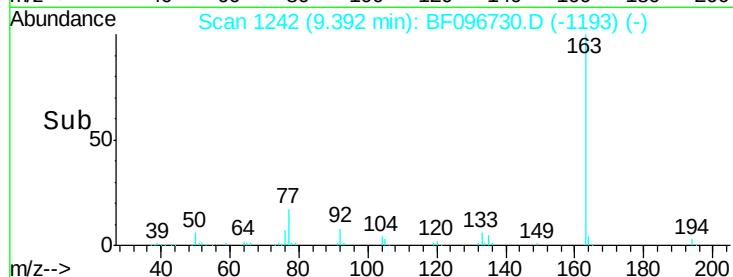
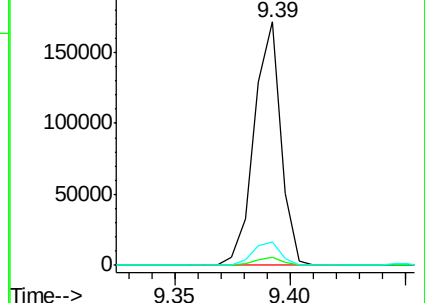
164 9.6 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 8.51 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

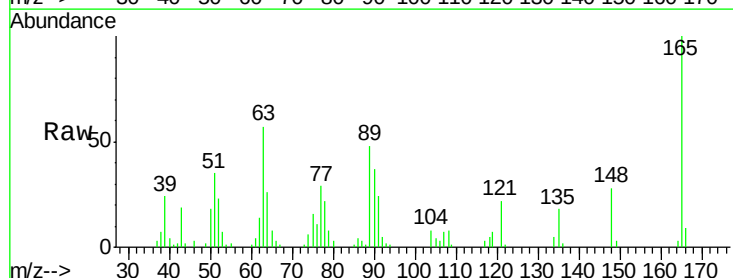
Tgt Ion:165 Resp: 28587

Ion Ratio Lower Upper

165 100

63 57.1 34.3 51.5#

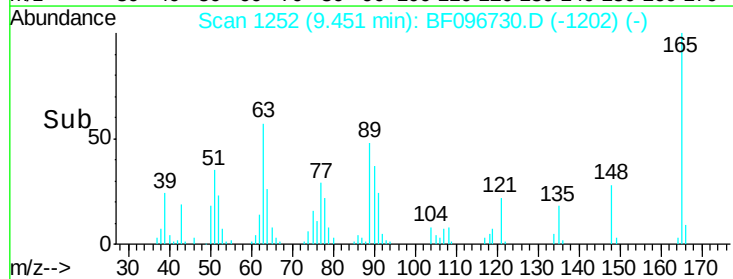
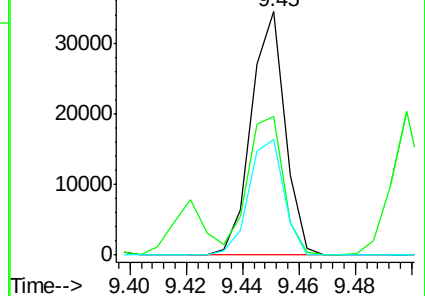
89 47.7 37.1 55.7

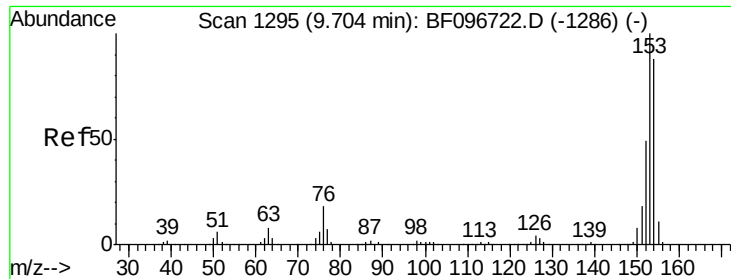


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 9.31 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

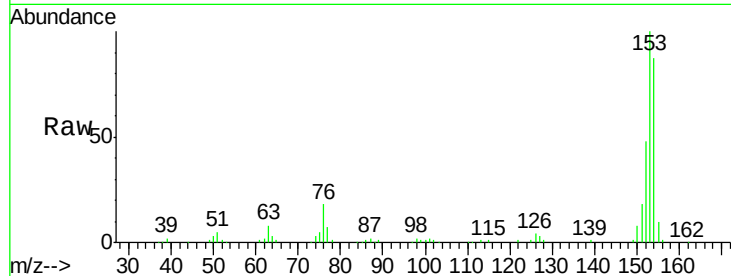
Tot Ion:154 Resp: 113965

Ion Ratio Lower Upper

154 100

153 114.5 90.5 135.7

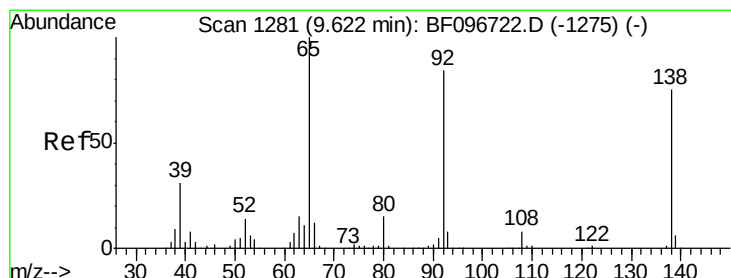
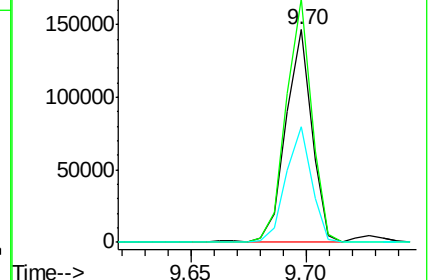
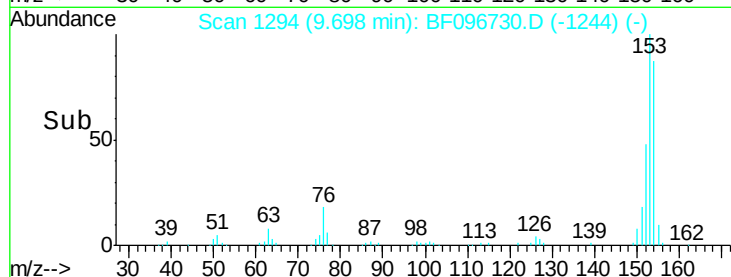
152 54.6 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 8.64 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

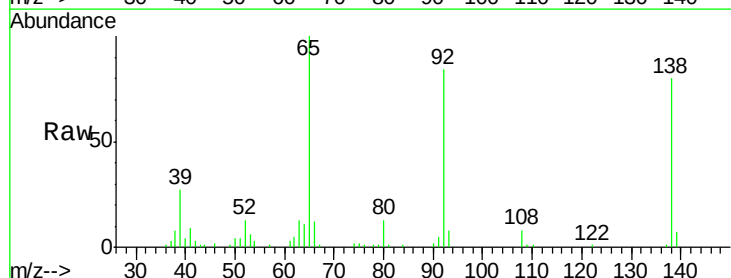
Tgt Ion:138 Resp: 34374

Ion Ratio Lower Upper

138 100

108 10.2 9.1 13.7

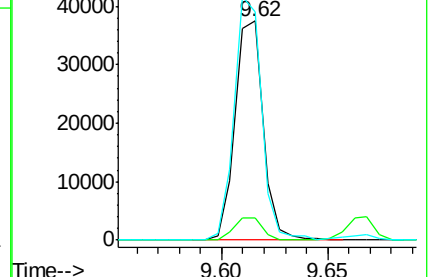
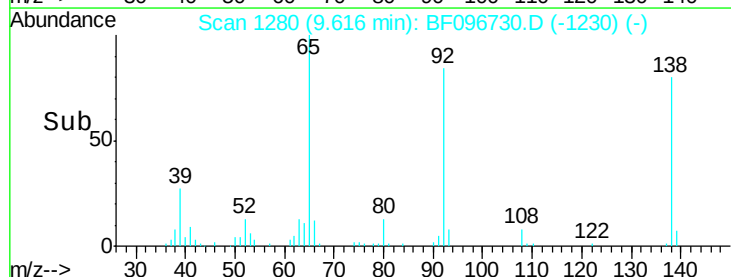
92 104.6 93.8 140.6

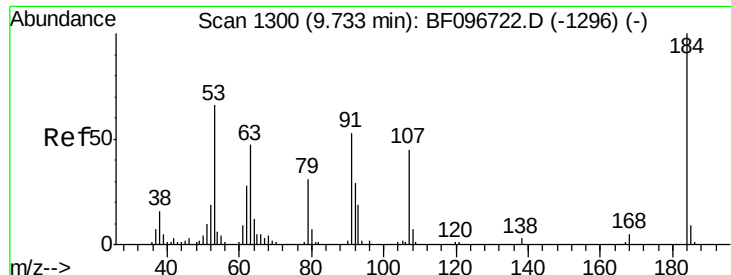


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

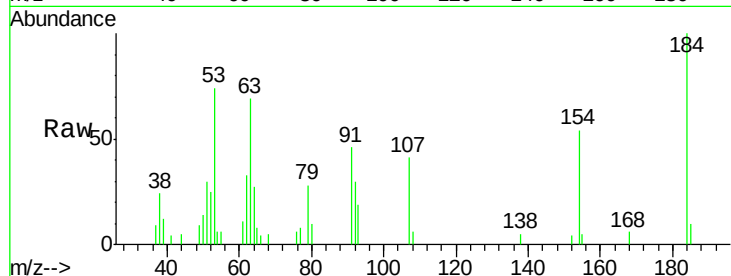




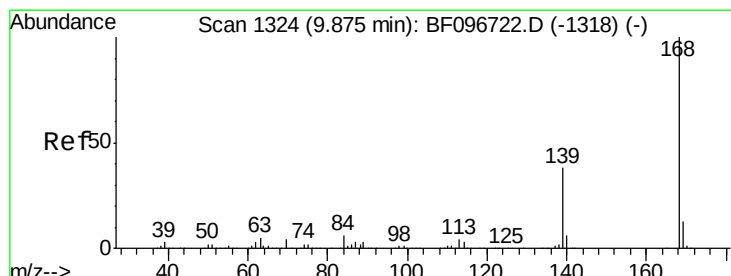
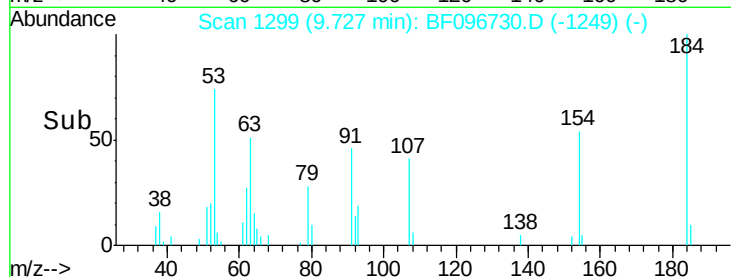
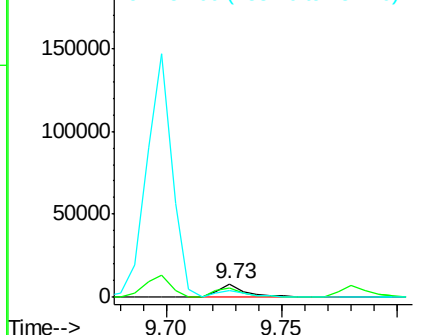
#53  
 2,4-Dinitrophenol  
 Concen: 10.69 ng  
 RT: 9.73 min Scan# 1299  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

Tot Ion:184 Resp: 7179  
 Ion Ratio Lower Upper  
 184 100  
 63 68.8 62.7 94.1  
 154 54.4 81.1 121.7#

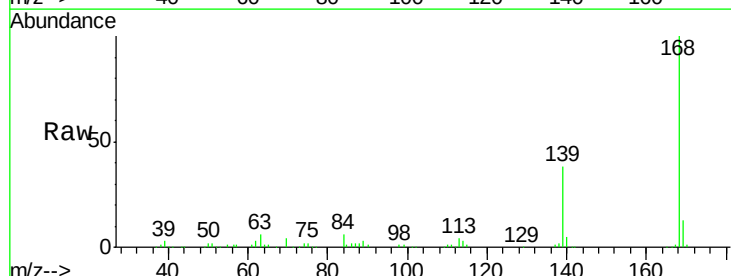


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 154.00 (153.70 to 154.70): E

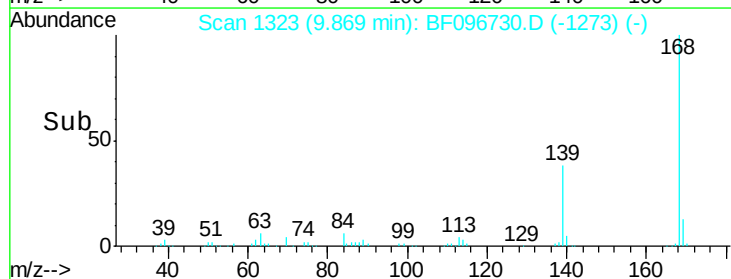
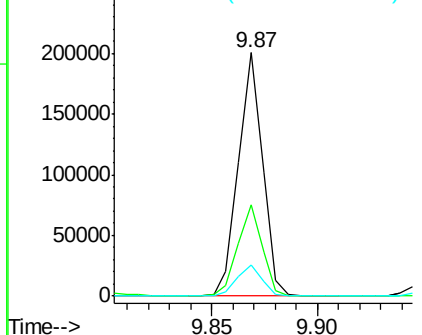


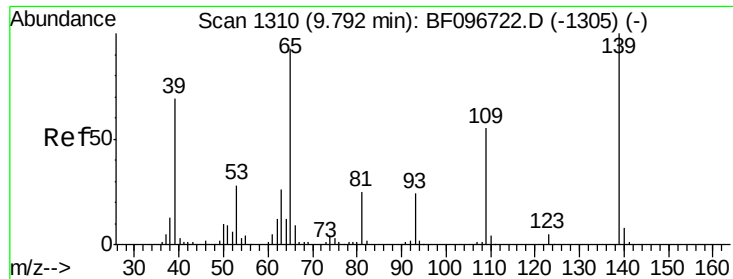
#54  
 Dibenzofuran  
 Concen: 9.28 ng  
 RT: 9.87 min Scan# 1323  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Tgt Ion:168 Resp: 159181  
 Ion Ratio Lower Upper  
 168 100  
 139 37.6 30.6 45.8  
 169 12.9 10.8 16.2



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





#55

4-Nitrophenol

Concen: 7.89 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

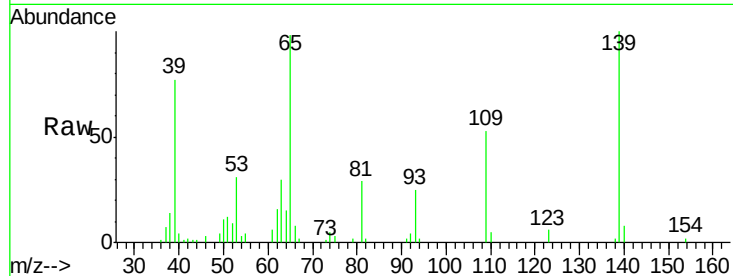
Tot Ion:139 Resp: 22939

Ion Ratio Lower Upper

139 100

109 52.6 34.1 74.1

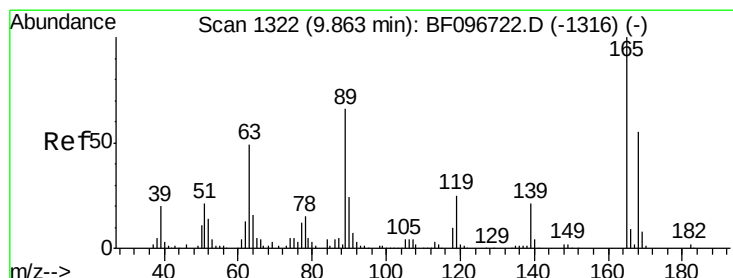
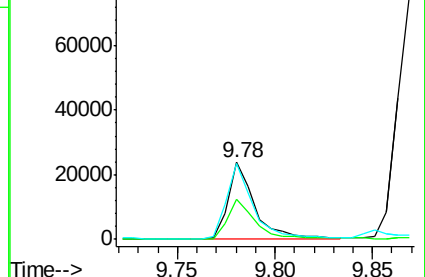
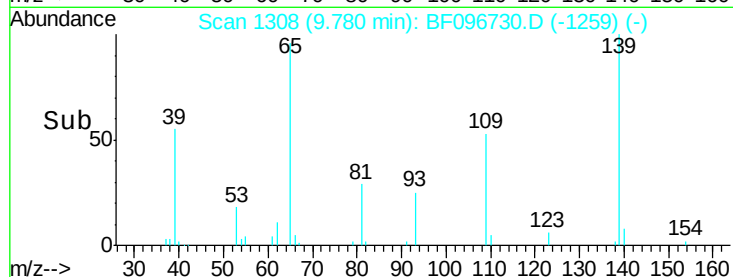
65 98.2 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 8.82 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Tgt Ion:165 Resp: 38050

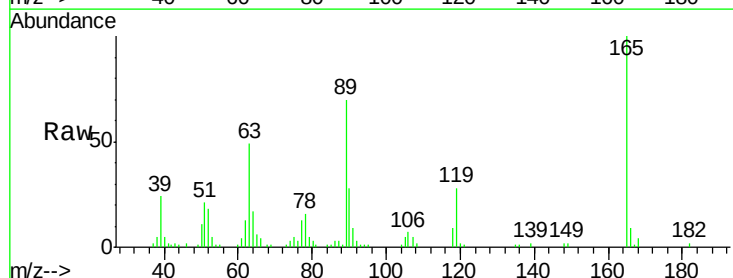
Ion Ratio Lower Upper

165 100

63 48.8 25.4 38.0#

89 70.1 46.4 69.6#

182 1.9 1.8 2.6

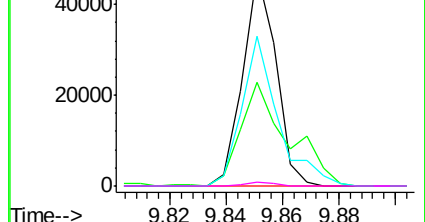
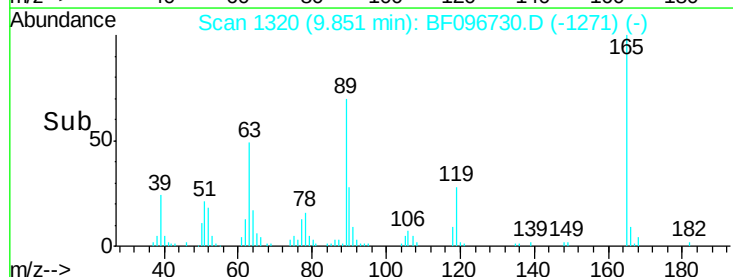


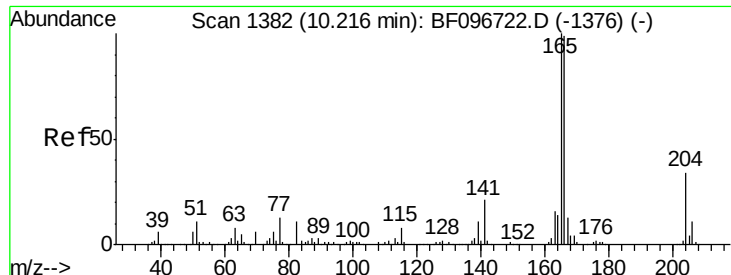
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 10.27 ng

RT: 10.21 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

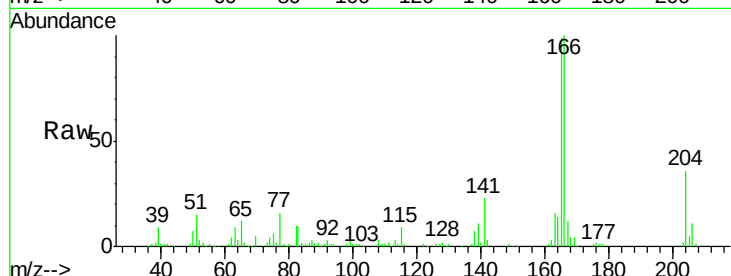
Tot Ion:166 Resp: 130115

Ion Ratio Lower Upper

166 100

165 99.2 78.8 118.2

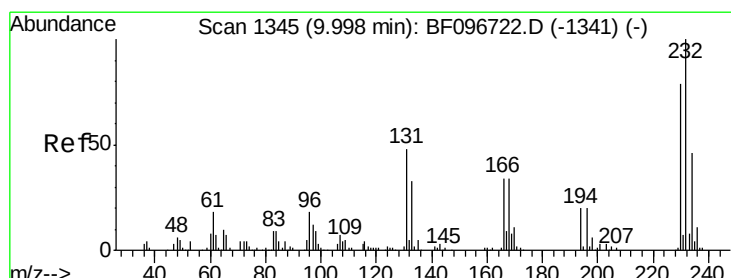
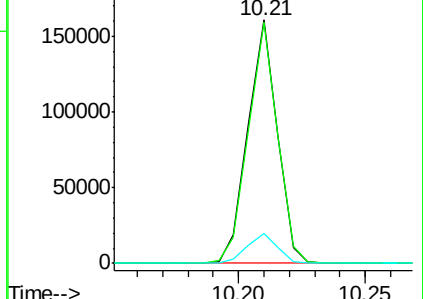
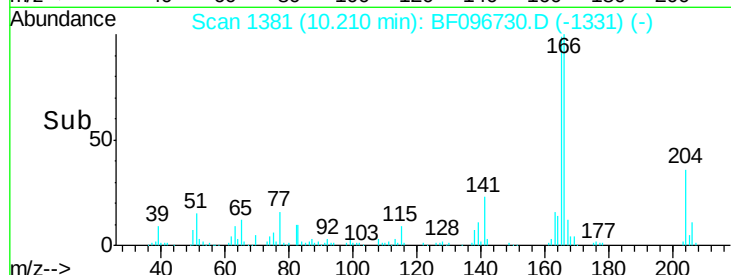
167 12.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 8.87 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Tgt Ion:232 Resp: 25459

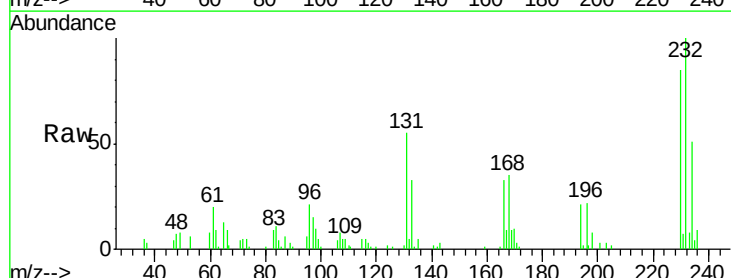
Ion Ratio Lower Upper

232 100

131 55.3 44.8 67.2

130 1.5 2.3 3.5#

166 33.9 29.0 43.4

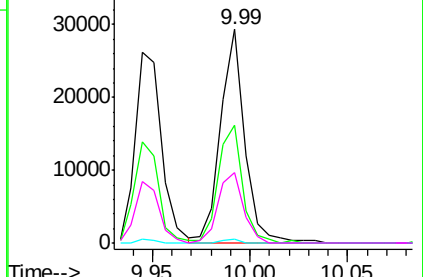
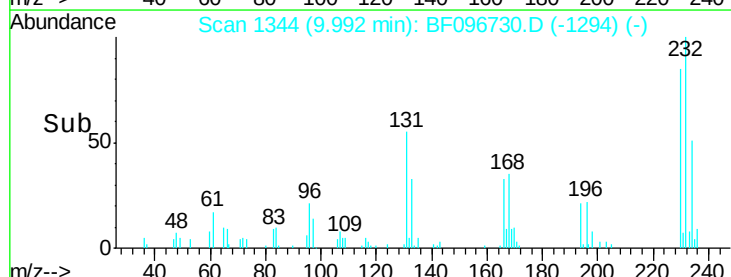


Abundance Ion 232.00 (231.70 to 232.70): E

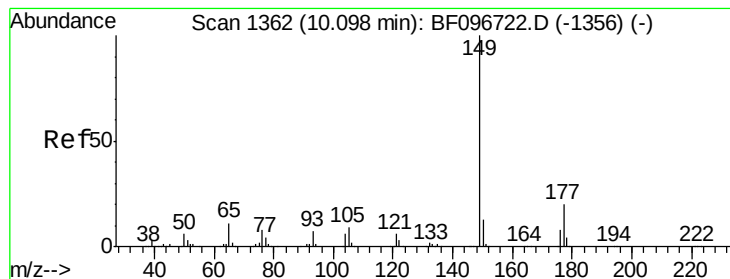
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E







#59

Diethylphthalate

Concen: 9.81 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

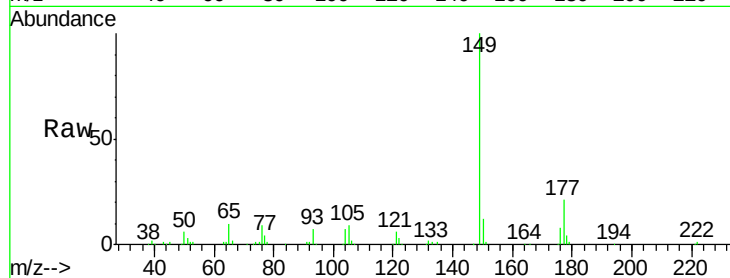
Tot Ion:149 Resp: 148038

Ion Ratio Lower Upper

149 100

177 20.5 16.7 25.1

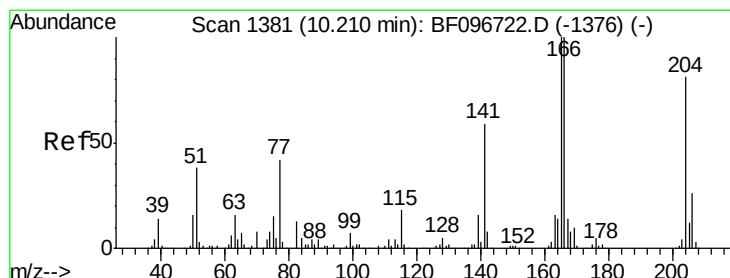
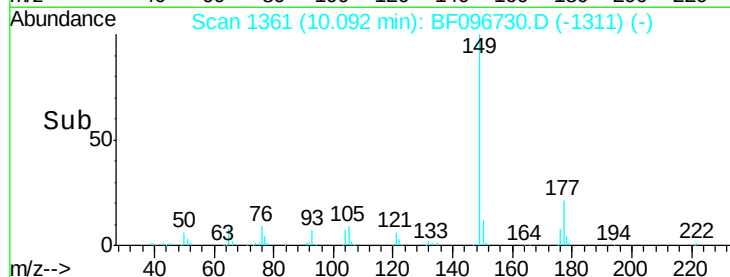
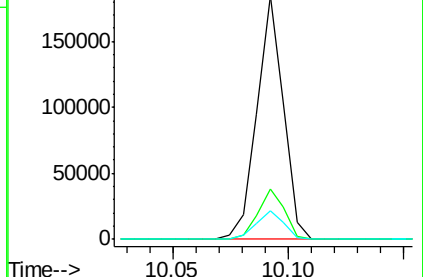
150 11.6 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 7.93 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

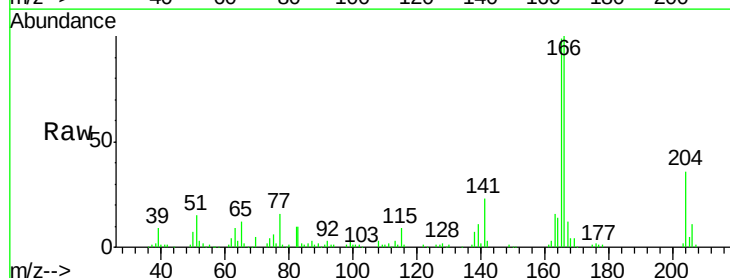
Tgt Ion:204 Resp: 54051

Ion Ratio Lower Upper

204 100

206 31.4 26.2 39.2

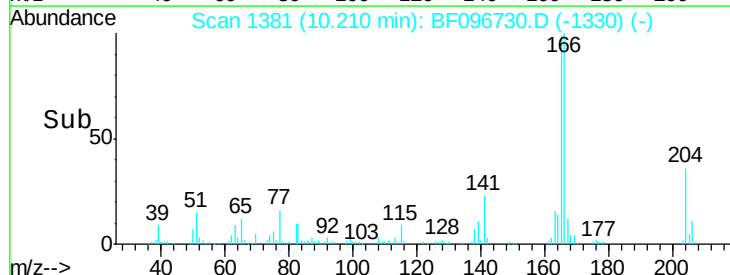
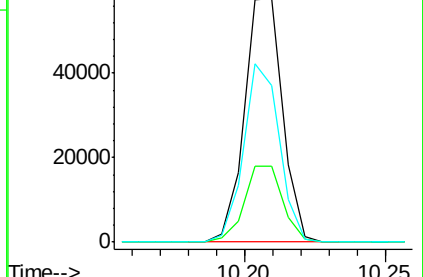
141 64.5 60.8 91.2

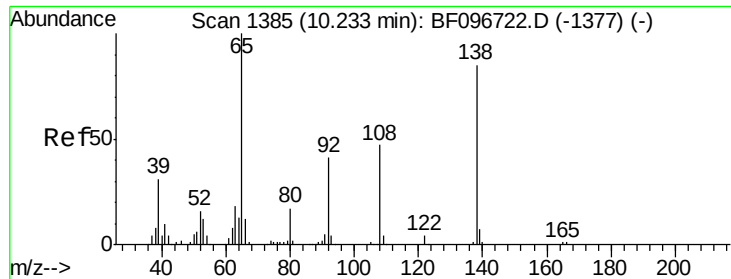


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

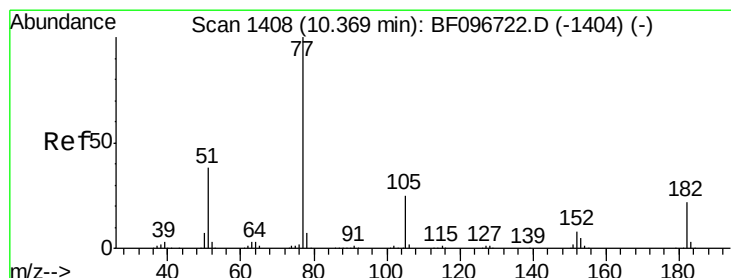
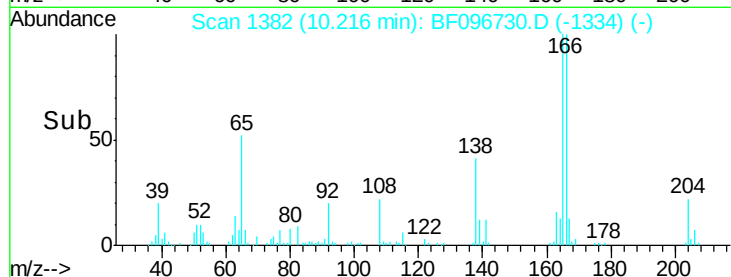
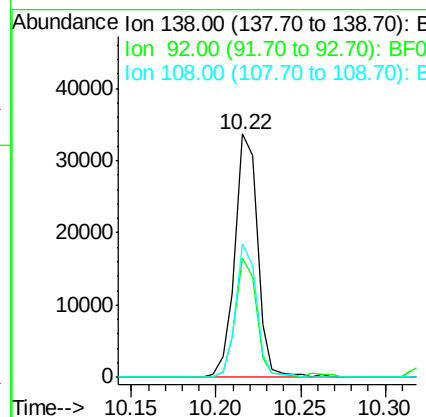
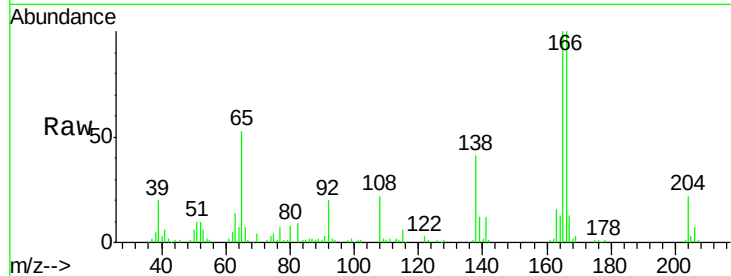




#61  
4-Nitroaniline  
Concen: 8.45 ng  
RT: 10.22 min Scan# 1382  
Delta R.T. -0.02 min  
Lab File: BF096730.D  
Acq: 13 Jul 2017 16:23

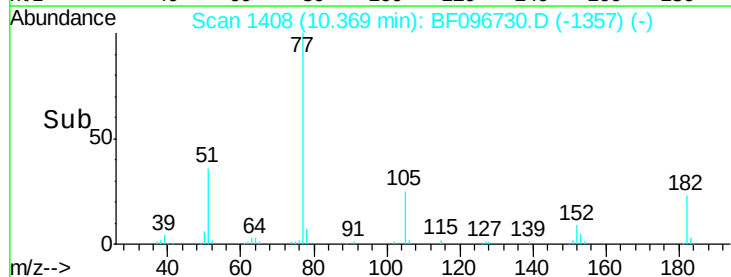
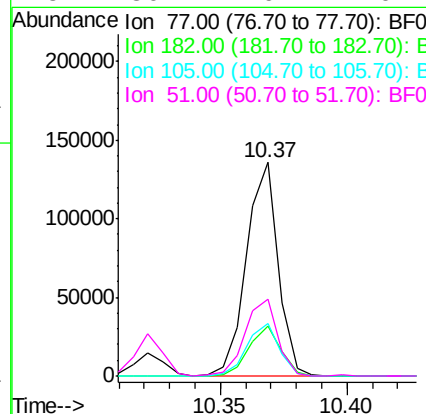
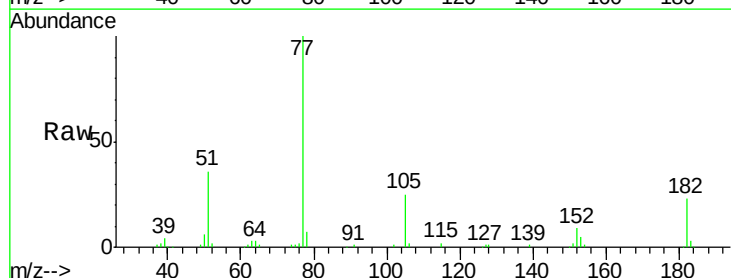
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL-01-QT3-2017

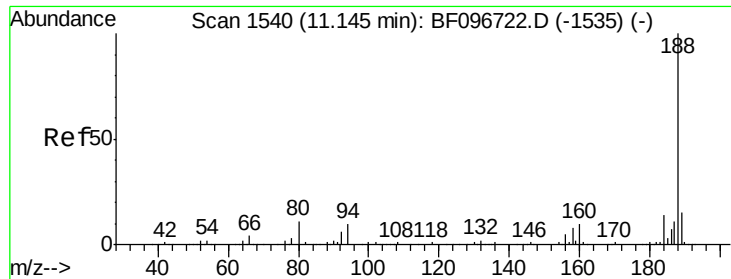
Tot Ion:138 Resp: 31577  
Ion Ratio Lower Upper  
138 100  
92 48.8 21.8 61.8  
108 54.8 42.3 82.3



#62  
Azobenzene  
Concen: 8.86 ng  
RT: 10.37 min Scan# 1408  
Delta R.T. -0.00 min  
Lab File: BF096730.D  
Acq: 13 Jul 2017 16:23

Tgt Ion: 77 Resp: 117912  
Ion Ratio Lower Upper  
77 100  
182 23.2 0.1 40.1  
105 24.5 3.6 43.6  
51 36.1 9.4 49.4

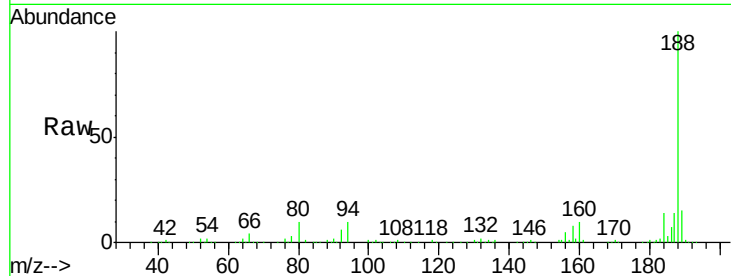




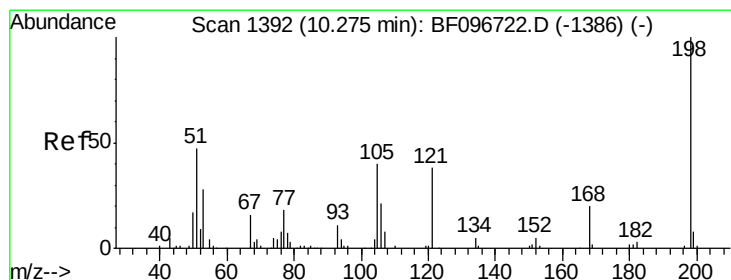
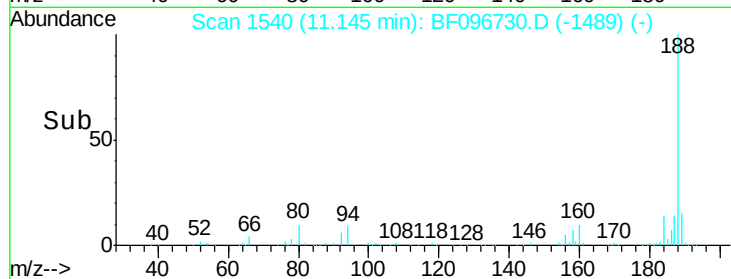
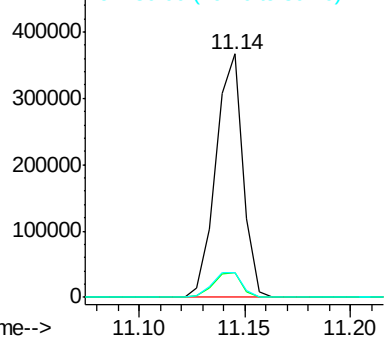
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.14 min Scan# 1540  
 Delta R.T. -0.00 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

Tot Ion:188 Resp: 326502  
 Ion Ratio Lower Upper  
 188 100  
 94 10.2 9.4 14.2  
 80 10.0 10.2 15.2#

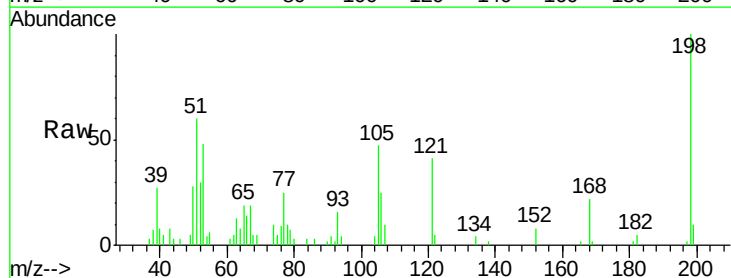


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

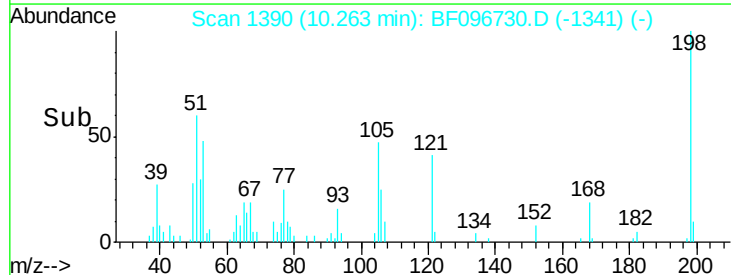
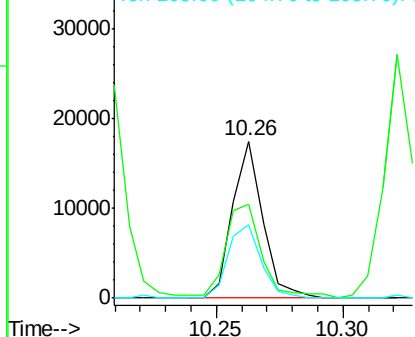


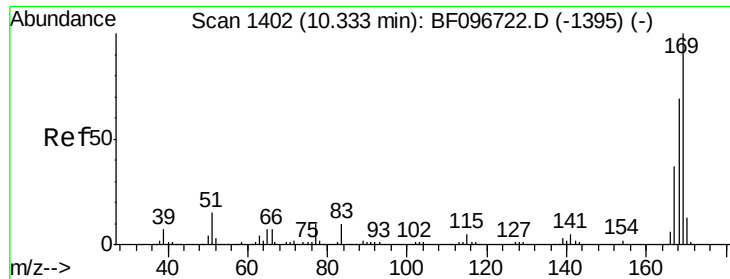
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.05 ng  
 RT: 10.26 min Scan# 1390  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Tgt Ion:198 Resp: 14454  
 Ion Ratio Lower Upper  
 198 100  
 51 60.1 53.2 93.2  
 105 47.1 45.8 85.8



Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF0  
 Ion 105.00 (104.70 to 105.70): E

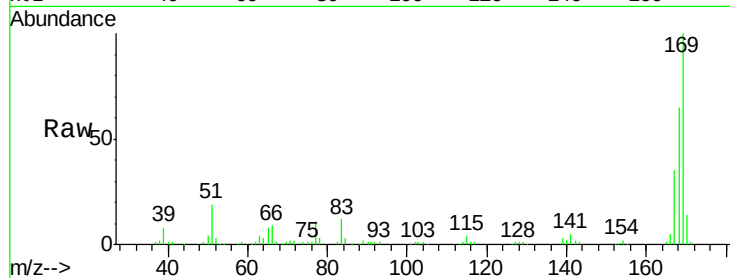




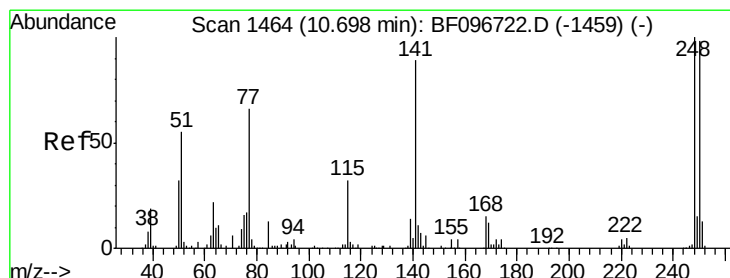
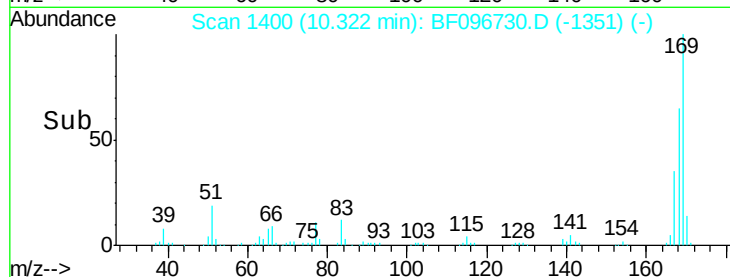
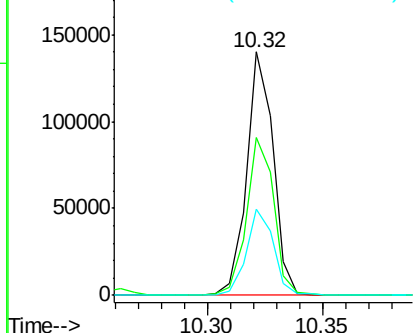
#65  
 n-Nitrosodiphenylamine  
 Concen: 9.70 ng  
 RT: 10.32 min Scan# 1400  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

Tot Ion:169 Resp: 113177  
 Ion Ratio Lower Upper  
 169 100  
 168 65.0 53.2 79.8  
 167 35.3 29.5 44.3

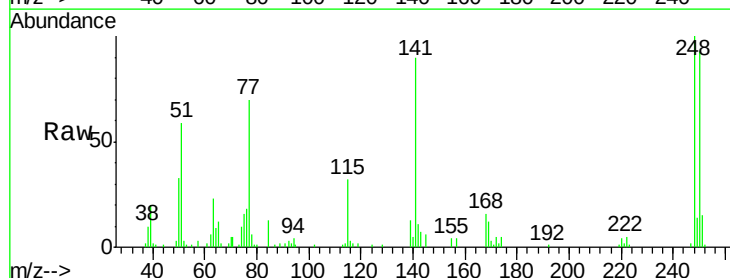


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

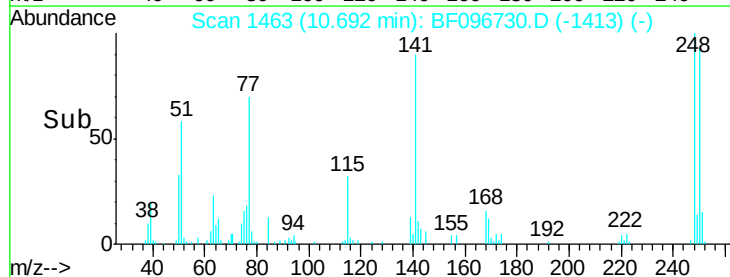
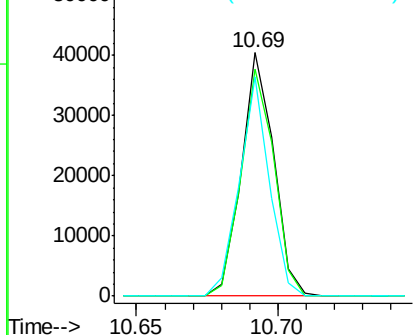


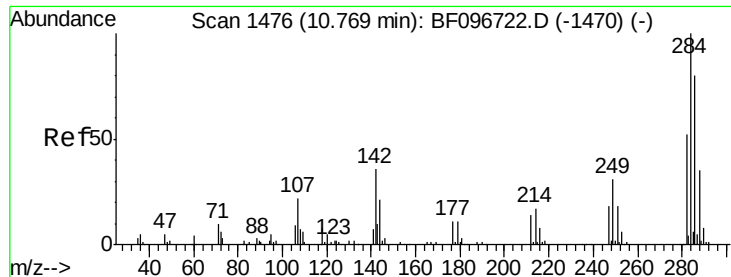
#66  
 4-Bromophenyl-phenylether  
 Concen: 9.59 ng  
 RT: 10.69 min Scan# 1463  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Tgt Ion:248 Resp: 31969  
 Ion Ratio Lower Upper  
 248 100  
 250 93.2 76.8 115.2  
 141 90.2 68.6 103.0



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





#67

Hexachlorobenzene

Concen: 9.57 ng

RT: 10.76 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

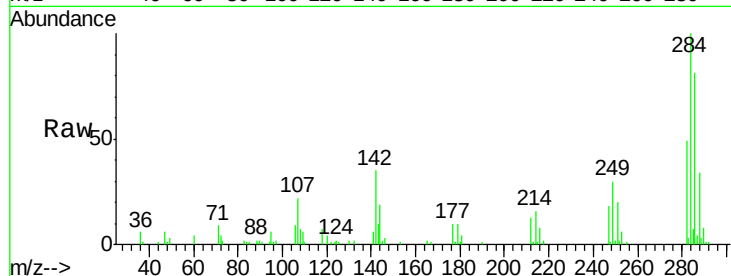
Tot Ion:284 Resp: 35527

Ion Ratio Lower Upper

284 100

142 35.5 22.8 34.2#

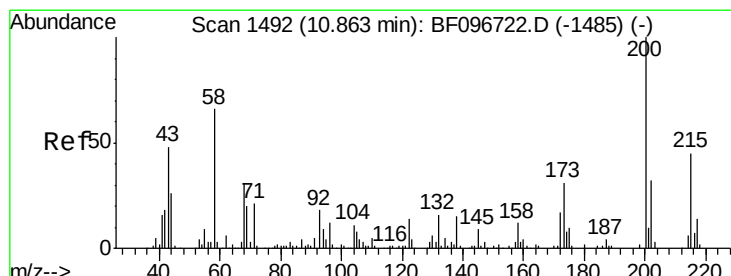
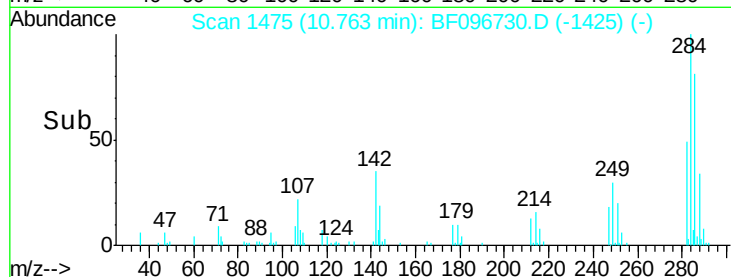
249 30.3 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 9.42 ng

RT: 10.85 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

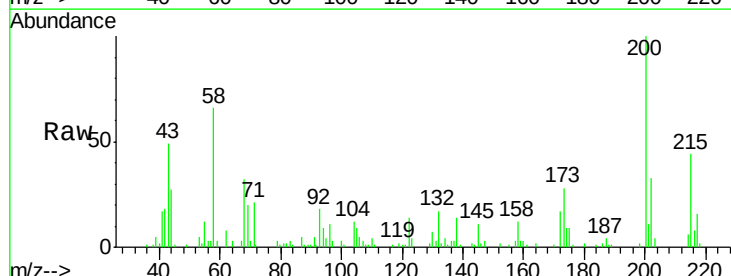
Tgt Ion:200 Resp: 31310

Ion Ratio Lower Upper

200 100

173 27.8 6.3 46.3

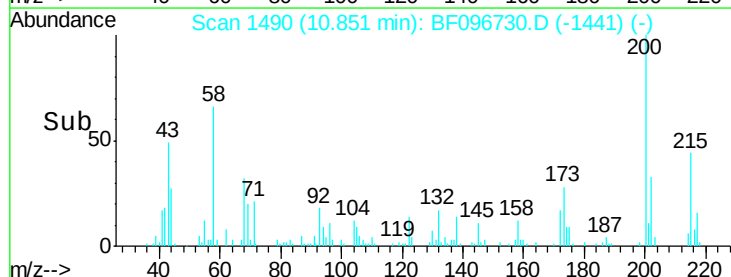
215 43.9 27.2 67.2

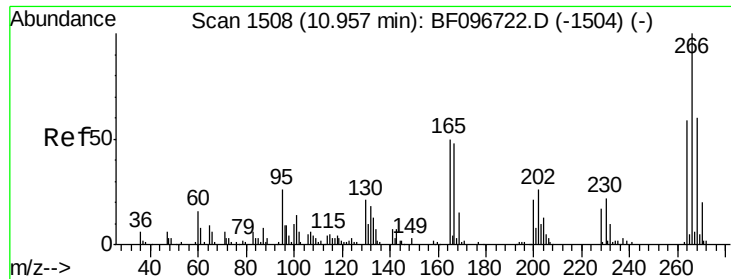


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

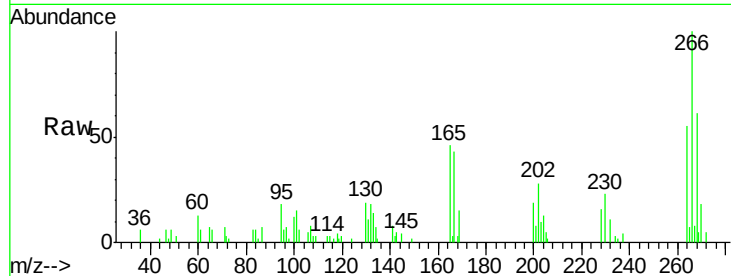




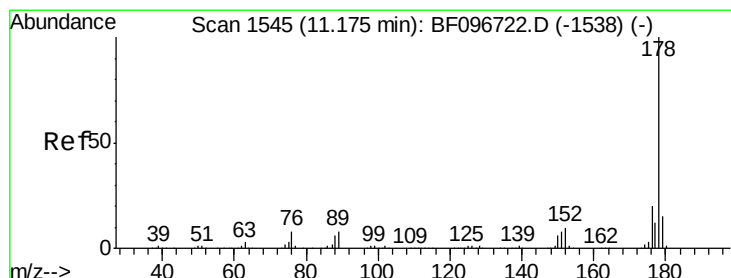
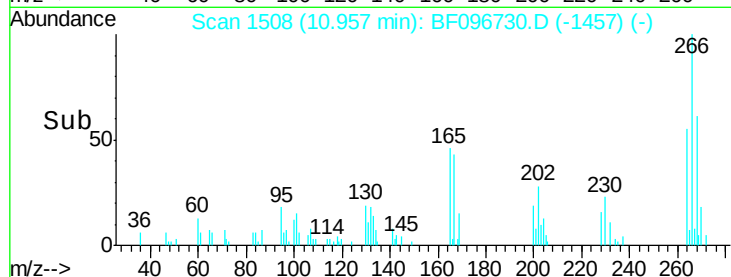
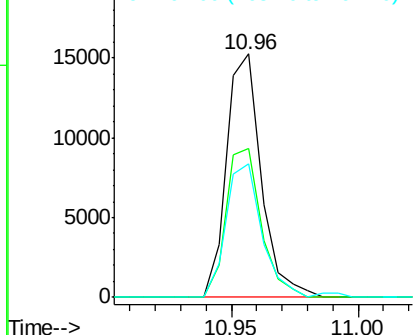
#69  
 Pentachlorophenol  
 Concen: 8.09 ng  
 RT: 10.96 min Scan# 1508  
 Delta R.T. -0.00 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

Tot Ion:266 Resp: 14503  
 Ion Ratio Lower Upper  
 266 100  
 268 61.0 51.1 76.7  
 264 54.9 51.7 77.5

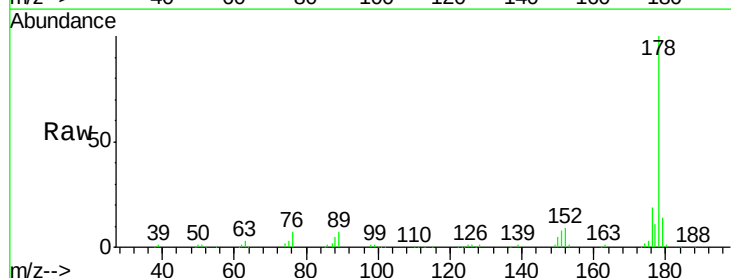


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

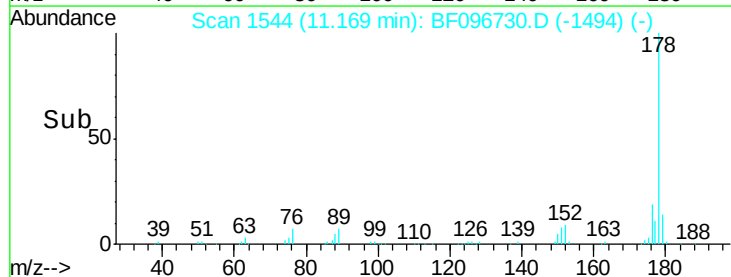
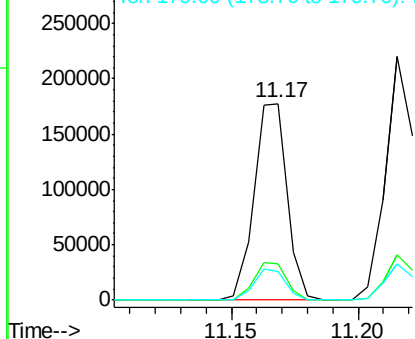


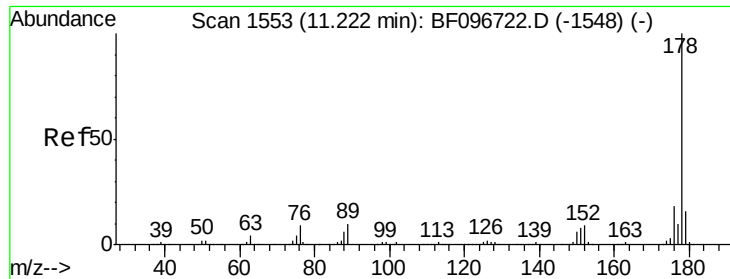
#70  
 Phenanthrene  
 Concen: 9.12 ng  
 RT: 11.17 min Scan# 1544  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Tgt Ion:178 Resp: 161989  
 Ion Ratio Lower Upper  
 178 100  
 176 18.5 16.2 24.4  
 179 14.3 12.6 19.0



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

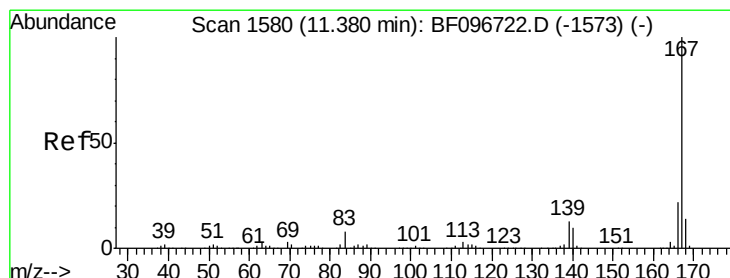
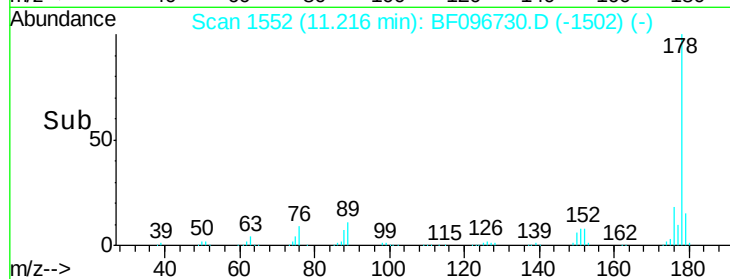
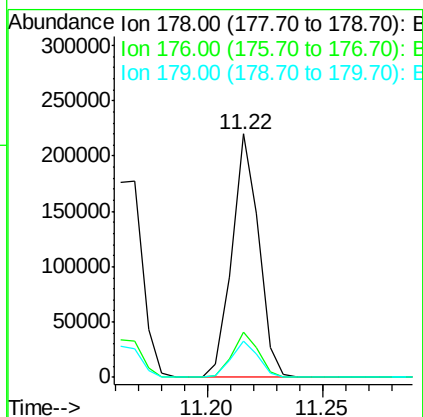
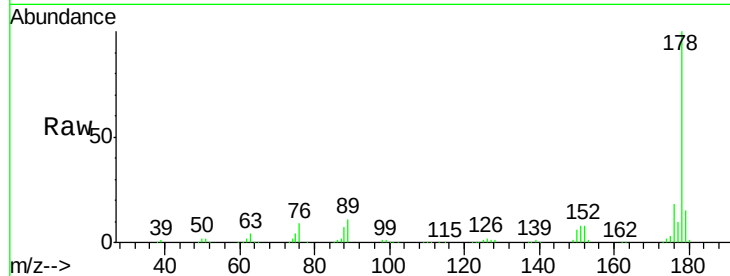




#71  
 Anthracene  
 Concen: 9.90 ng  
 RT: 11.22 min Scan# 1552  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

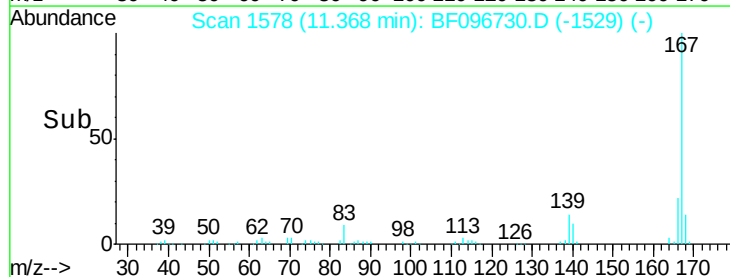
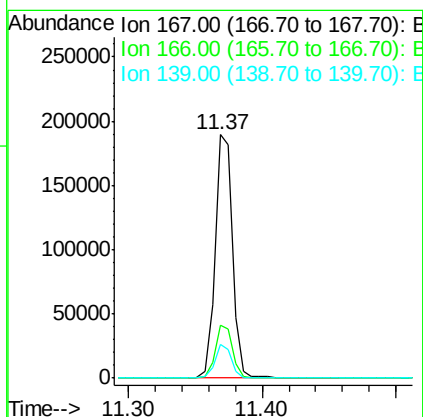
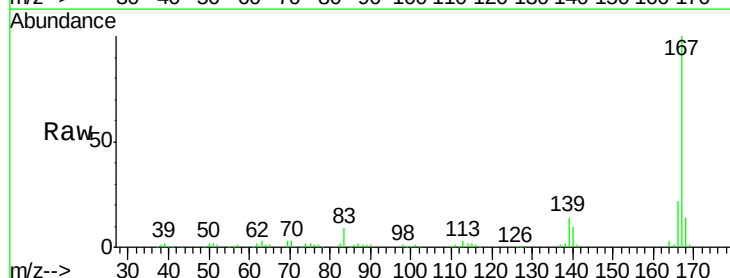
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

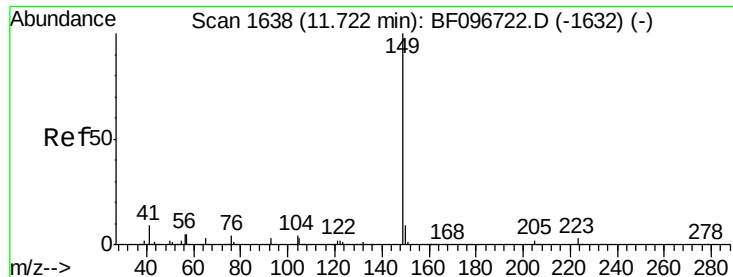
Tot Ion:178 Resp: 177791  
 Ion Ratio Lower Upper  
 178 100  
 176 18.4 15.8 23.8  
 179 15.0 12.7 19.1



#72  
 Carbazole  
 Concen: 9.98 ng  
 RT: 11.37 min Scan# 1578  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Tgt Ion:167 Resp: 173453  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 18.1 27.1  
 139 13.8 11.7 17.5





#73

Di-n-butylphthalate

Concen: 10.16 ng

RT: 11.72 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

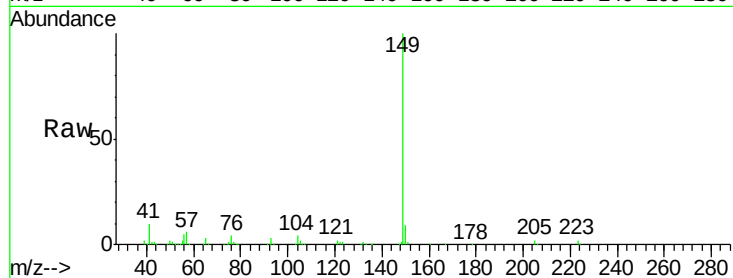
Tot Ion:149 Resp: 219931

Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

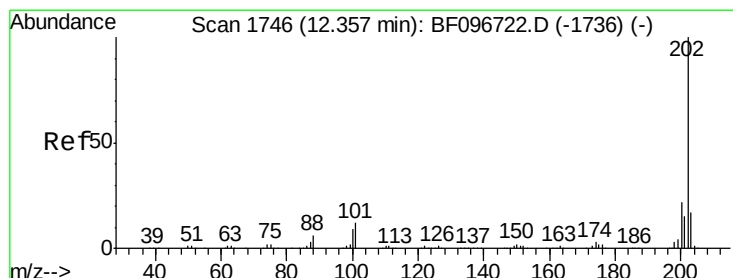
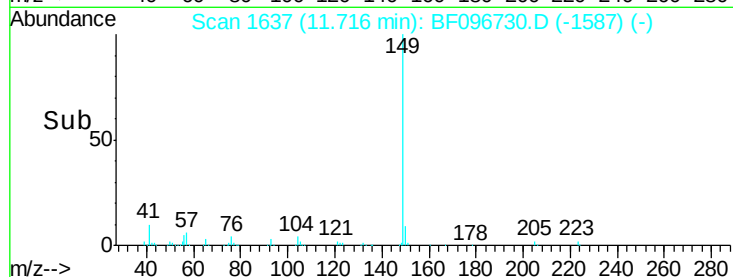
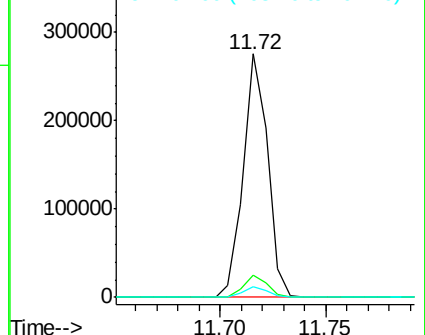
104 4.2 4.0 6.0



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



#74

Fluoranthene

Concen: 10.01 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

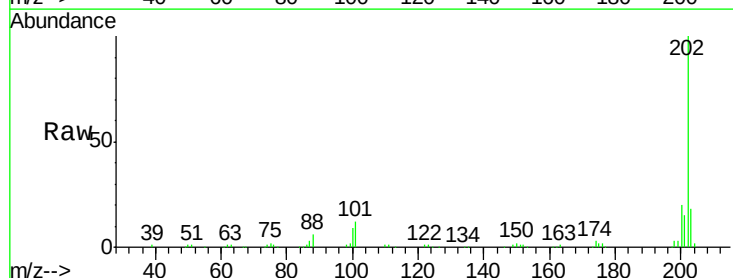
Tgt Ion:202 Resp: 170080

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

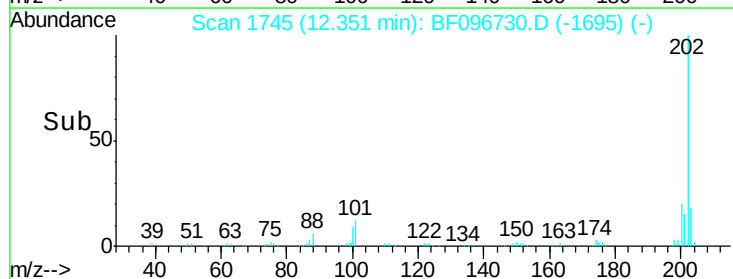
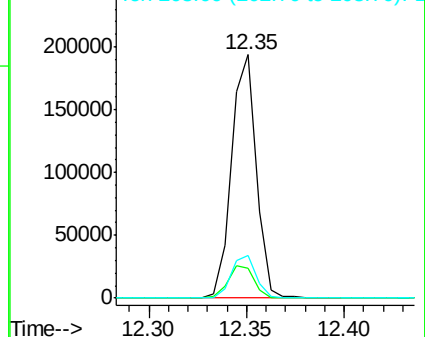
203 17.7 0.0 38.1



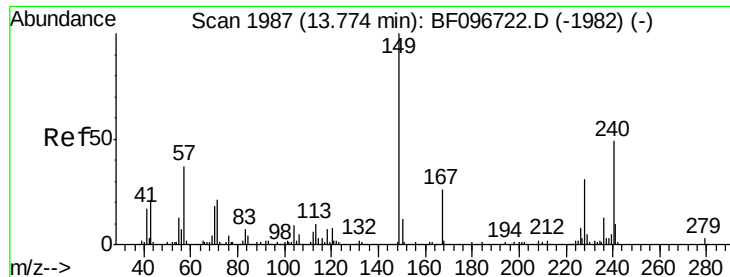
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E







#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

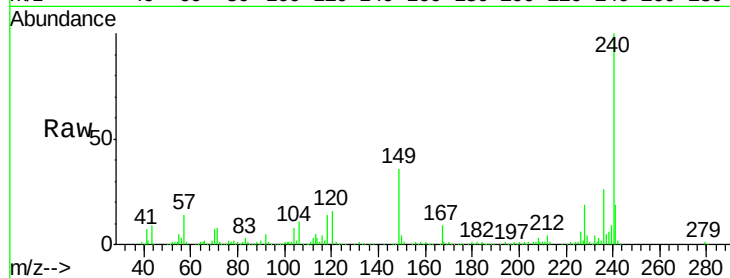
Tot Ion:240 Resp: 249962

Ion Ratio Lower Upper

240 100

120 16.2 5.8 8.8#

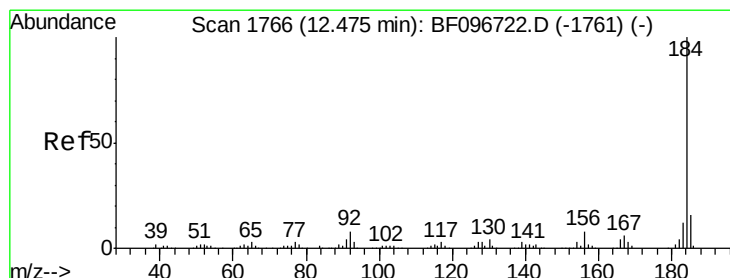
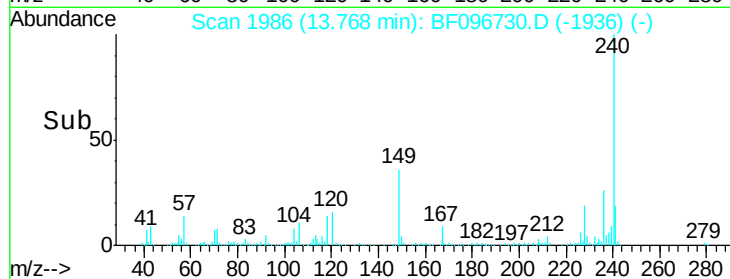
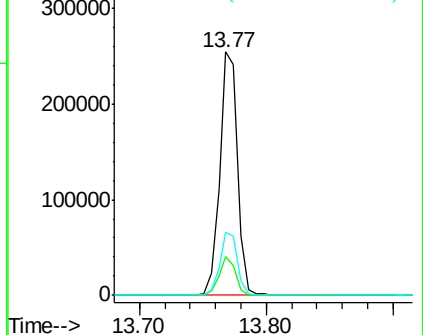
236 25.7 20.5 30.7



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



#76

Benzidine

Concen: 5.31 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

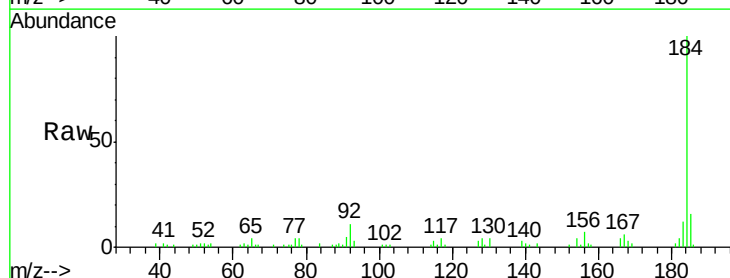
Tgt Ion:184 Resp: 43509

Ion Ratio Lower Upper

184 100

185 16.1 15.5 23.3

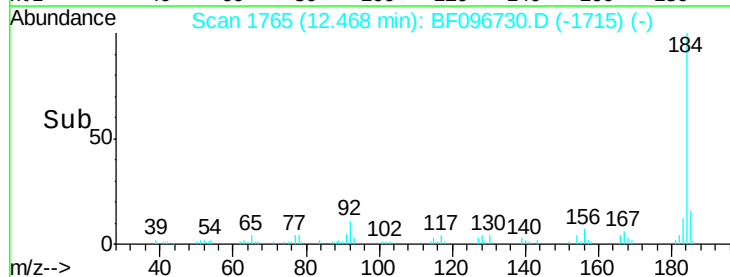
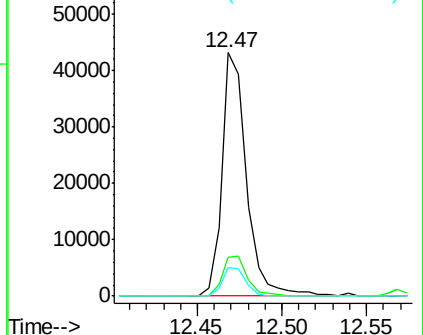
183 11.9 9.8 14.6

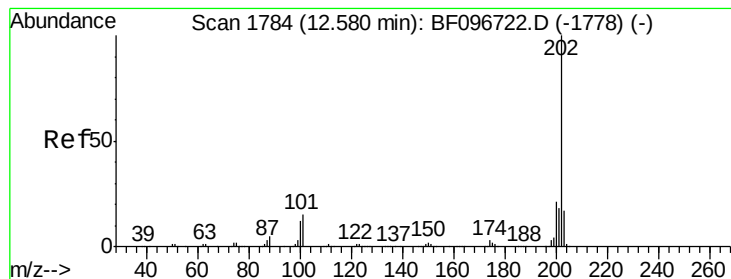


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 7.70 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

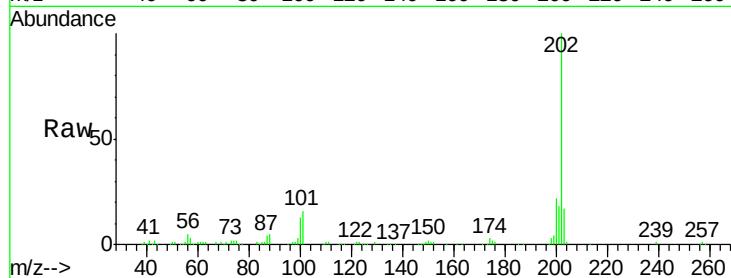
Tot Ion:202 Resp: 174782

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

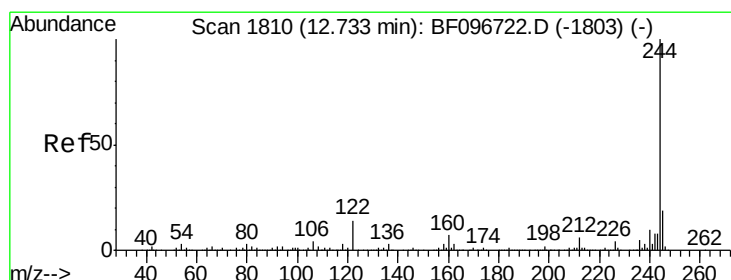
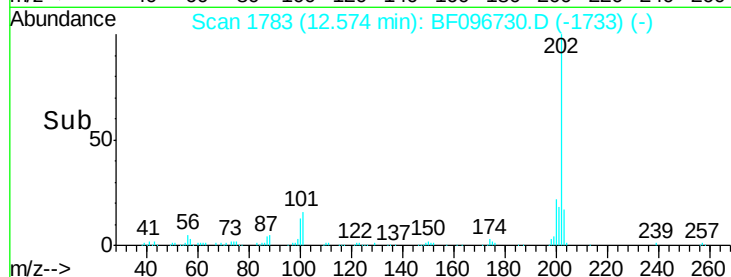
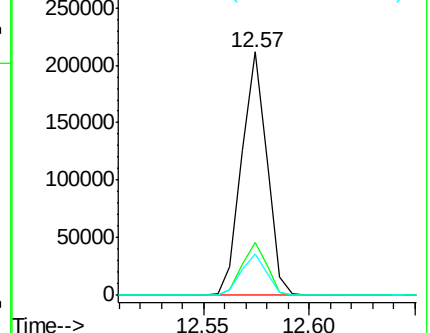
203 16.8 14.4 21.6



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



#78

Terphenyl-d14

Concen: 67.30 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

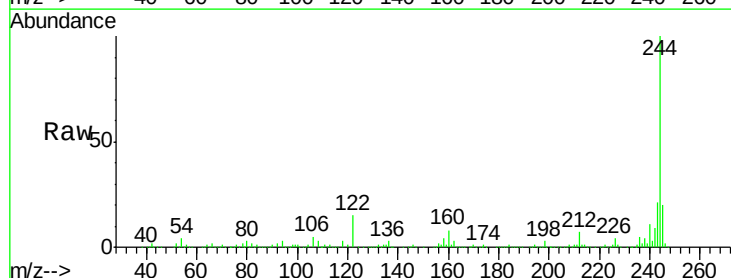
Tgt Ion:244 Resp: 969948

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

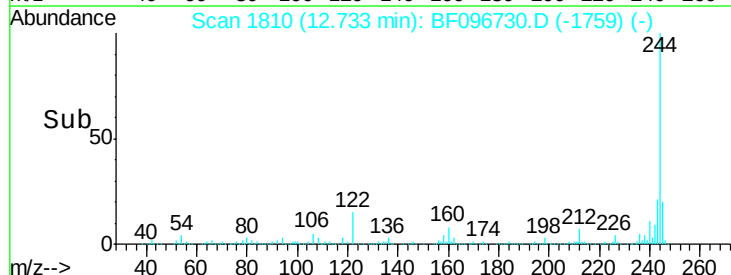
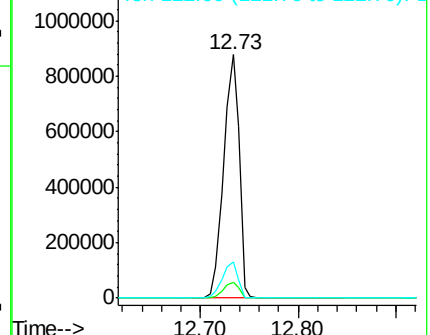
122 15.0 10.3 15.5

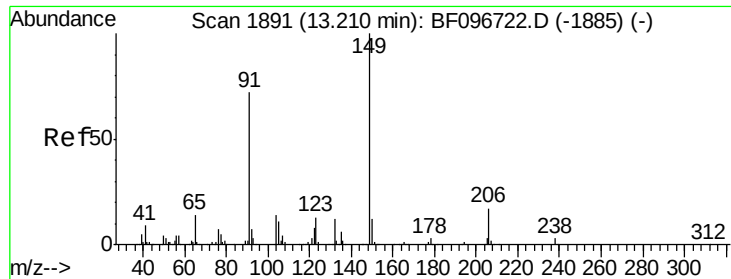


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

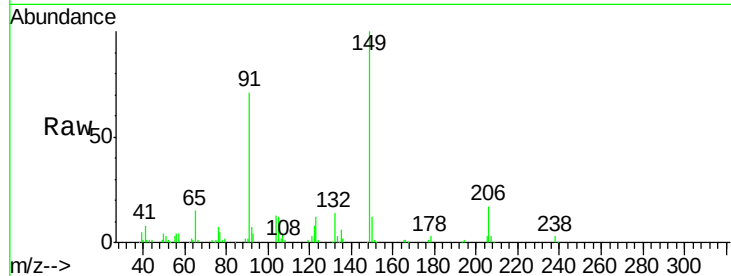




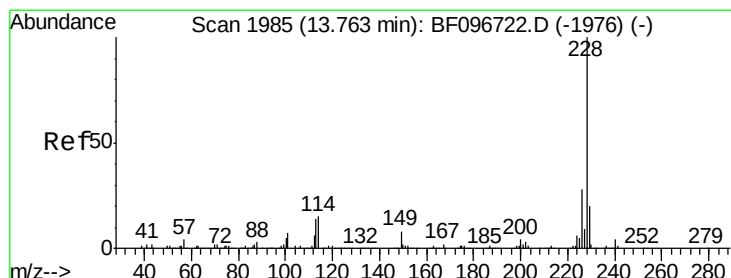
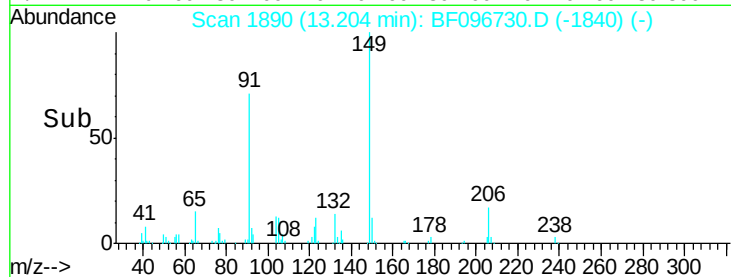
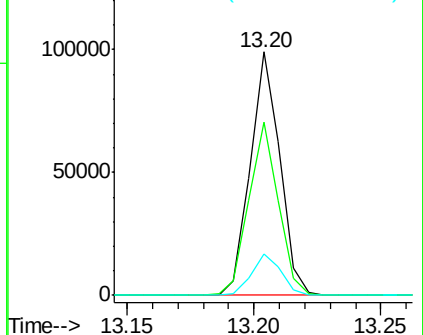
#79  
Butylbenzylphthalate  
Concen: 14.92 ng  
RT: 13.20 min Scan# 1890  
Delta R.T. -0.01 min  
Lab File: BF096730.D  
Acq: 13 Jul 2017 16:23

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL-01-QT3-2017

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 71.1  | 45.0  | 67.4# |
| 206     | 16.8  | 17.0  | 25.6# |

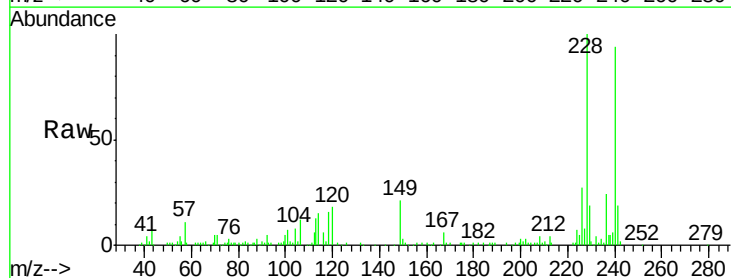


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF0  
Ion 206.00 (205.70 to 206.70): E

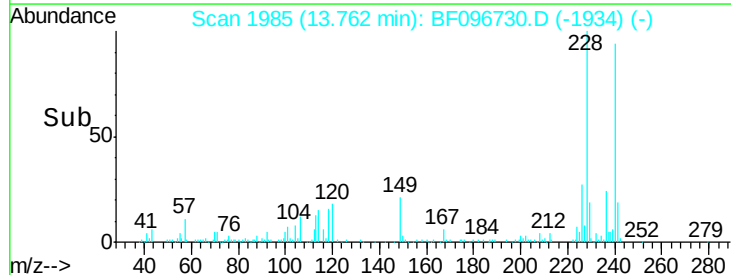
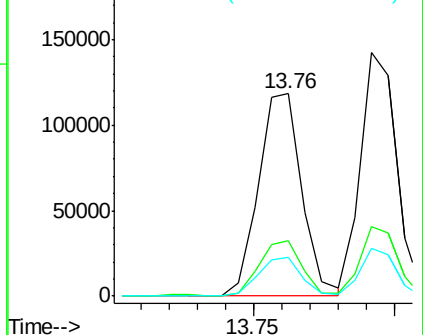


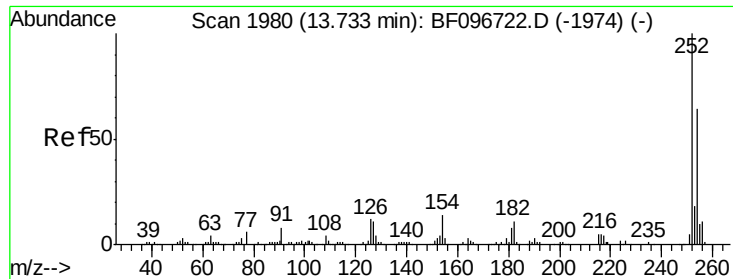
#80  
Benzo(a)anthracene  
Concen: 8.09 ng  
RT: 13.76 min Scan# 1985  
Delta R.T. -0.00 min  
Lab File: BF096730.D  
Acq: 13 Jul 2017 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.2  | 22.6  | 33.8  |
| 229     | 18.9  | 16.3  | 24.5  |



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

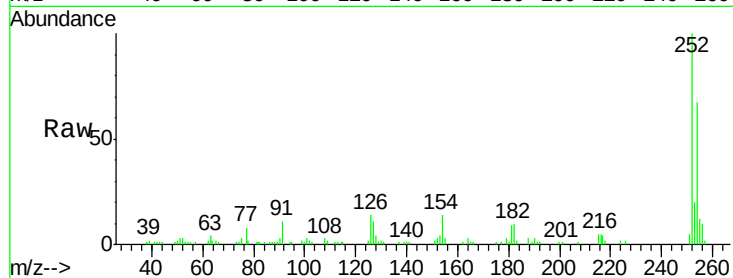




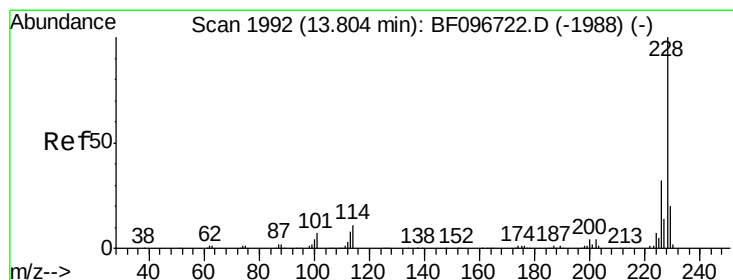
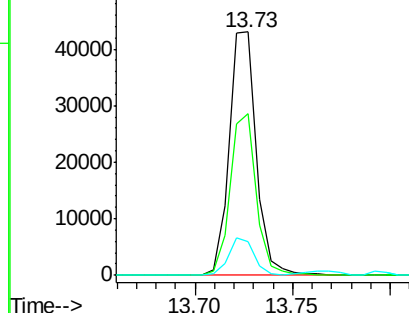
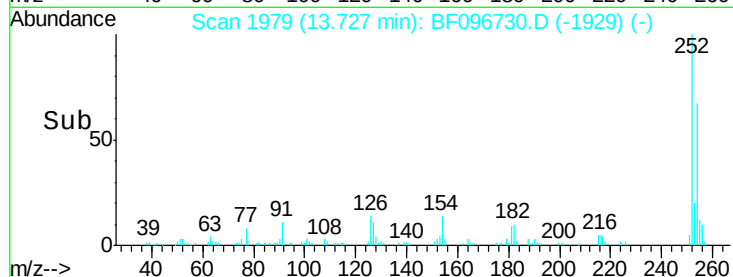
#81  
 3,3'-Dichlorobenzidine  
 Concen: 7.40 ng  
 RT: 13.73 min Scan# 1979  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

Tot Ion:252 Resp: 41467  
 Ion Ratio Lower Upper  
 252 100  
 254 66.5 51.5 77.3  
 126 13.9 15.8 23.8#

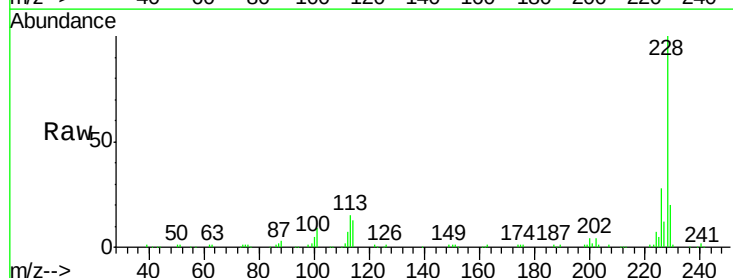


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

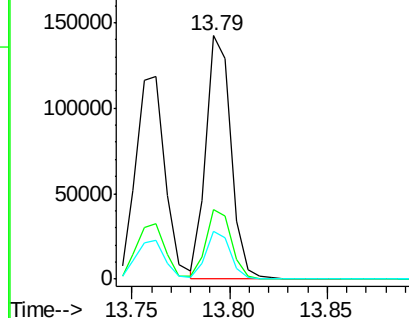
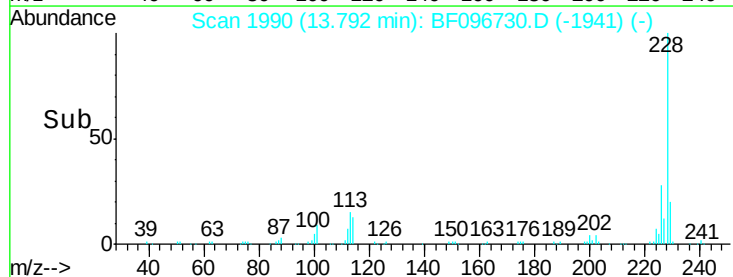


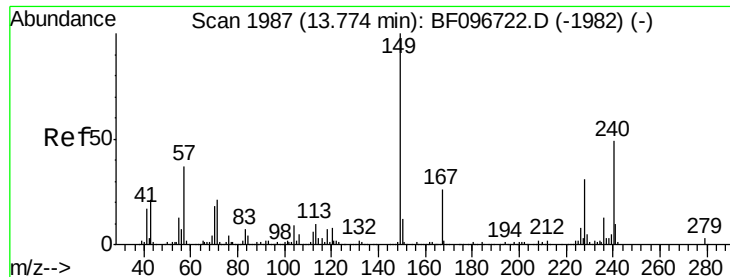
#82  
 Chrysene  
 Concen: 8.26 ng  
 RT: 13.79 min Scan# 1990  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Tgt Ion:228 Resp: 126626  
 Ion Ratio Lower Upper  
 228 100  
 226 28.5 24.9 37.3  
 229 19.5 15.8 23.6



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 8.26 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

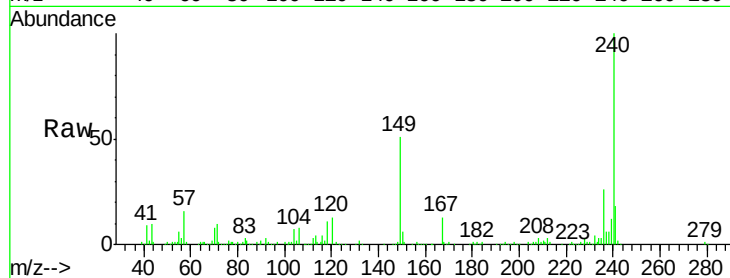
Tot Ion:149 Resp: 108414

Ion Ratio Lower Upper

149 100

167 26.1 21.0 31.4

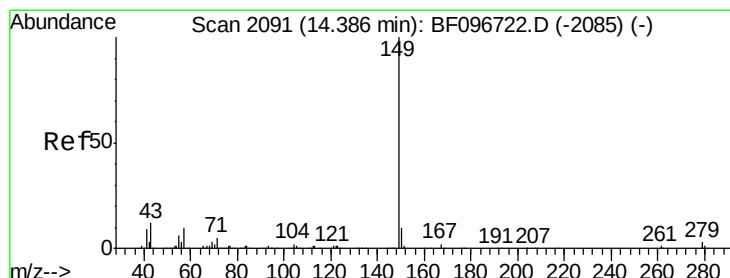
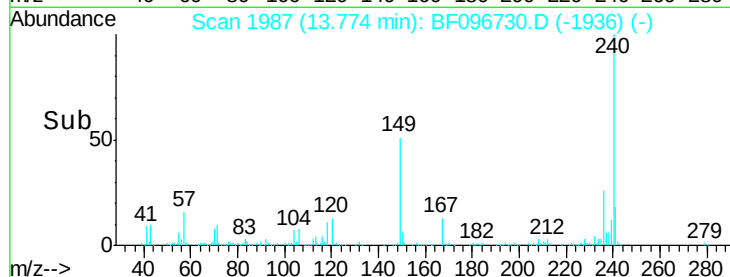
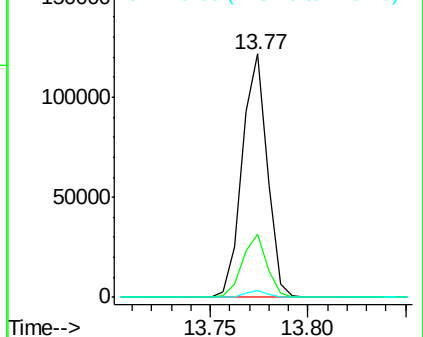
279 2.6 1.9 2.9



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



#84

Di-n-octyl phthalate

Concen: 7.59 ng

RT: 14.38 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

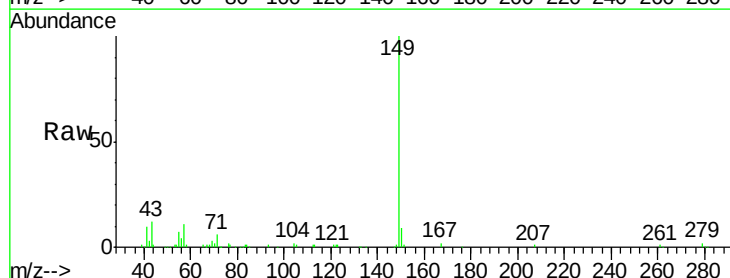
Tgt Ion:149 Resp: 164730

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

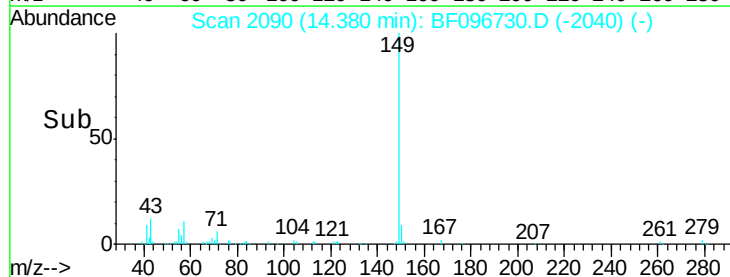
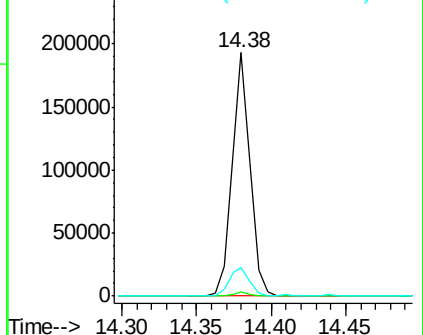
43 12.7 8.5 12.7

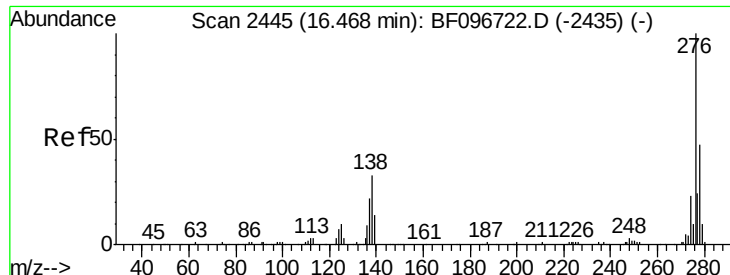


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

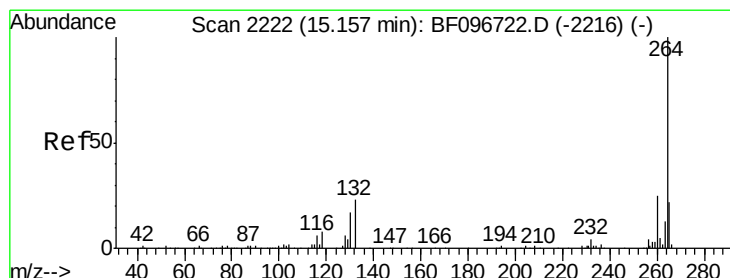
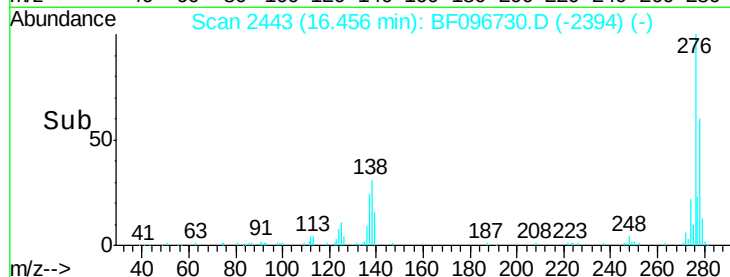
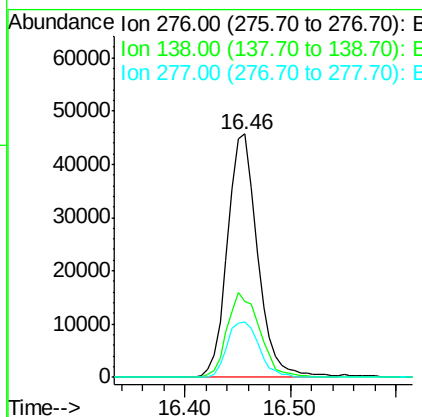
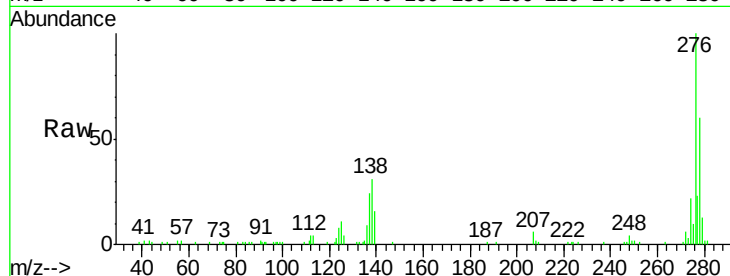




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 9.44 ng  
 RT: 16.46 min Scan# 2443  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

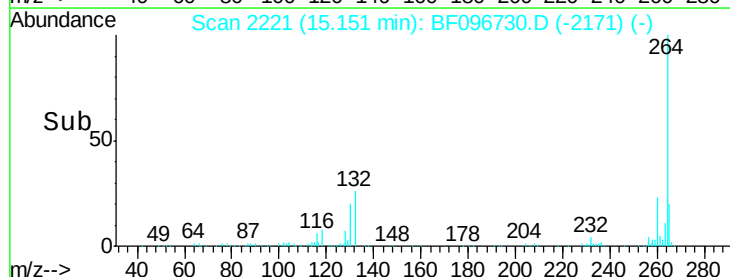
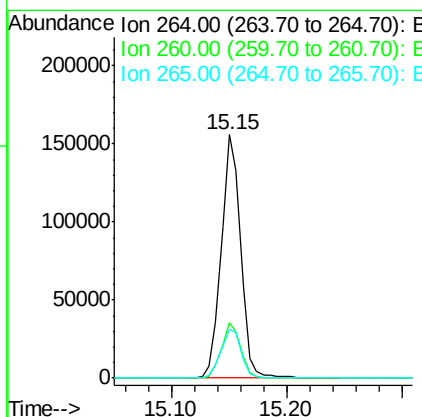
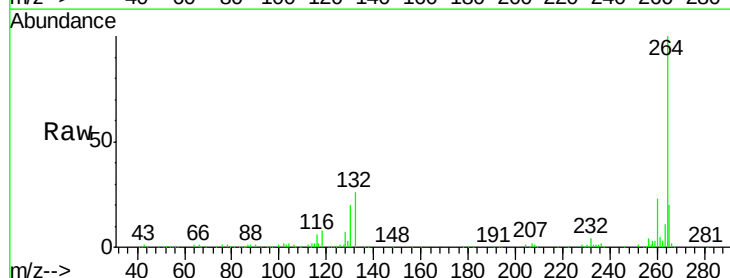
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

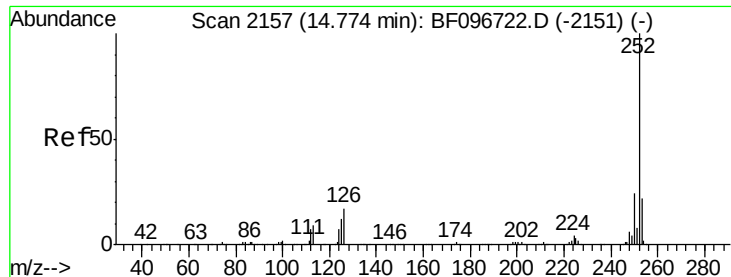
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 37.5  | 27.8  | 41.6  |
| 277     | 23.9  | 20.2  | 30.4  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.15 min Scan# 2221  
 Delta R.T. -0.01 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 19.5  | 29.3  |
| 265     | 20.3  | 17.2  | 25.8  |





#87

Benzo(b)fluoranthene

Concen: 8.79 ng

RT: 14.77 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

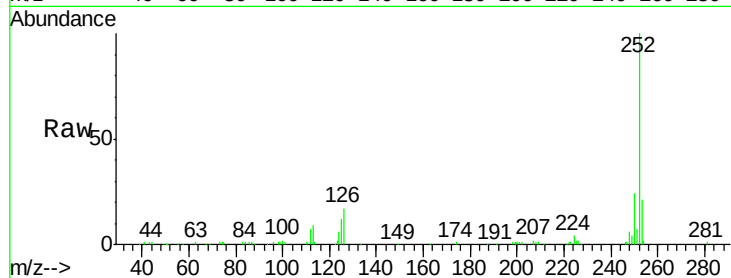
Tot Ion:252 Resp: 96042

Ion Ratio Lower Upper

252 100

253 20.7 18.1 27.1

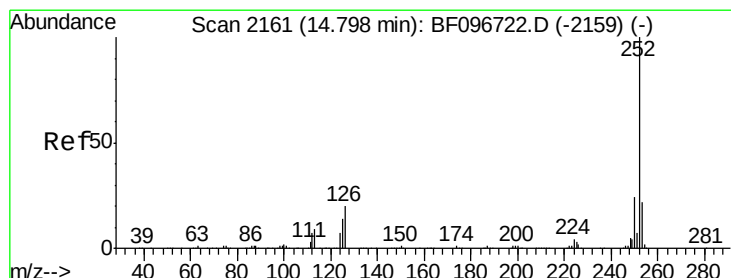
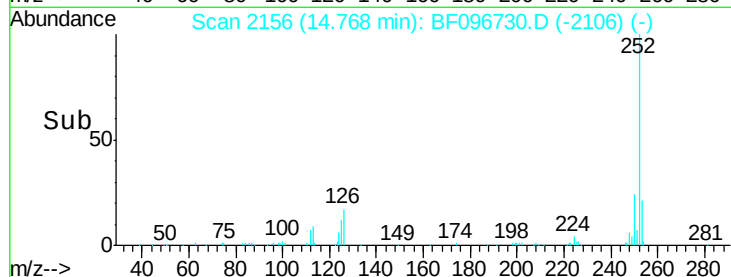
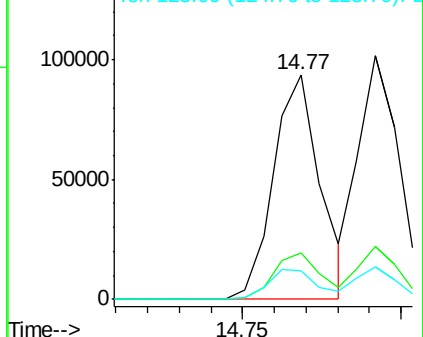
125 12.5 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 8.92 ng

RT: 14.79 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

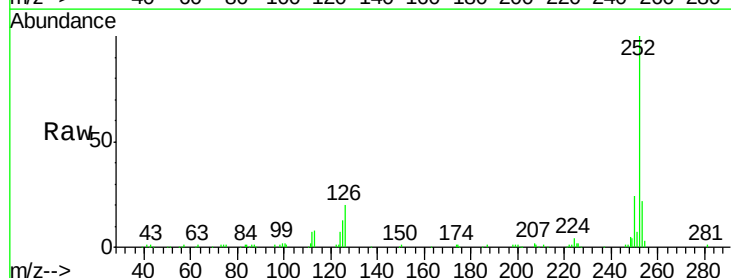
Tgt Ion:252 Resp: 92273

Ion Ratio Lower Upper

252 100

253 21.9 18.4 27.6

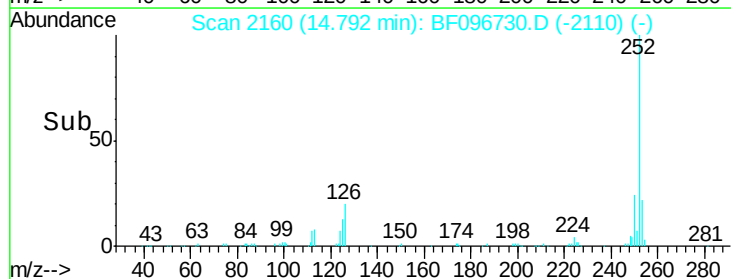
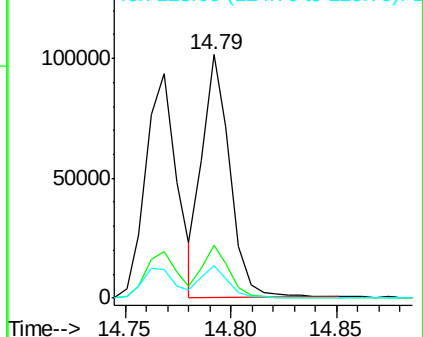
125 13.5 13.1 19.7

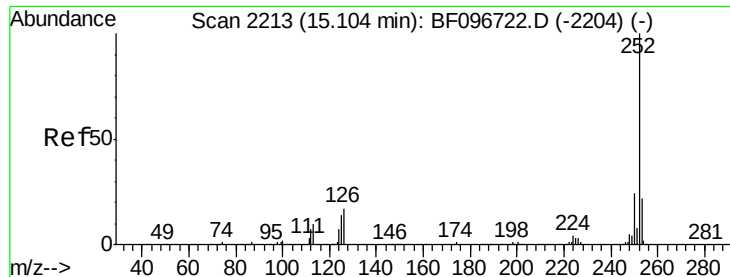


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.67 ng

RT: 15.09 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL-01-QT3-2017

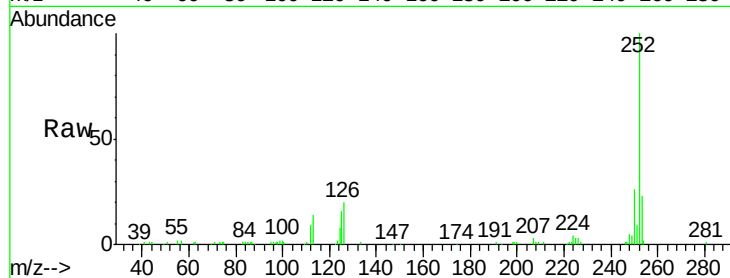
Tot Ion:252 Resp: 86925

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

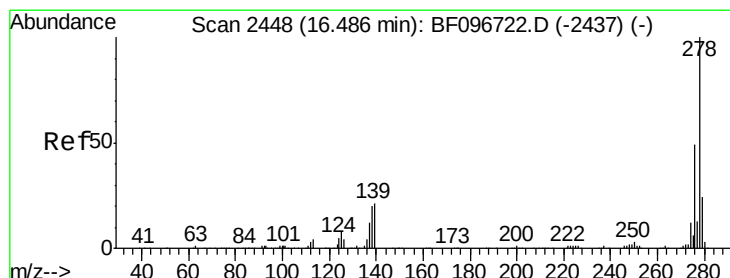
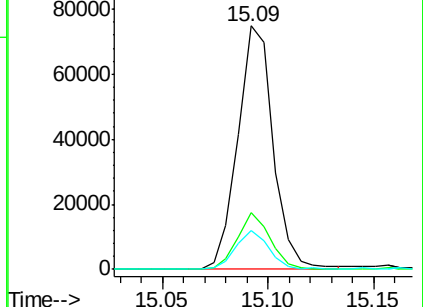
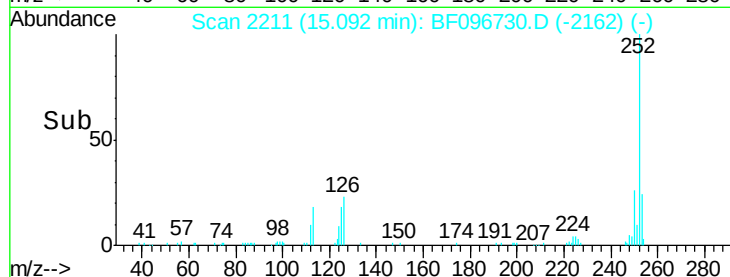
125 16.0 11.0 16.4



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



#90

Dibenzo(a,h)anthracene

Concen: 7.80 ng

RT: 16.46 min Scan# 2444

Delta R.T. -0.02 min

Lab File: BF096730.D

Acq: 13 Jul 2017 16:23

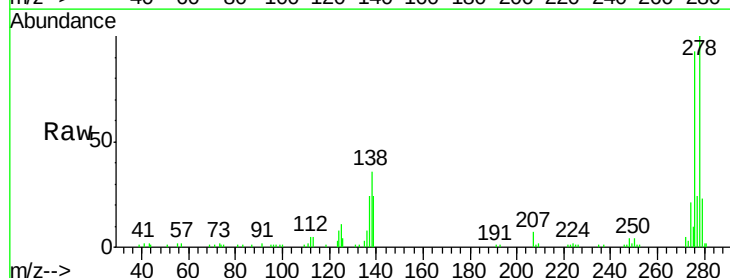
Tgt Ion:278 Resp: 71975

Ion Ratio Lower Upper

278 100

139 24.1 16.6 24.8

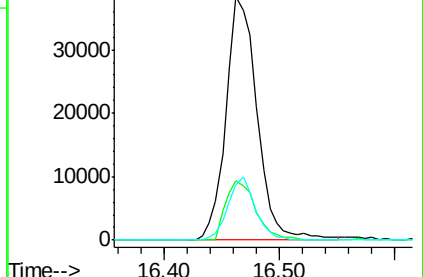
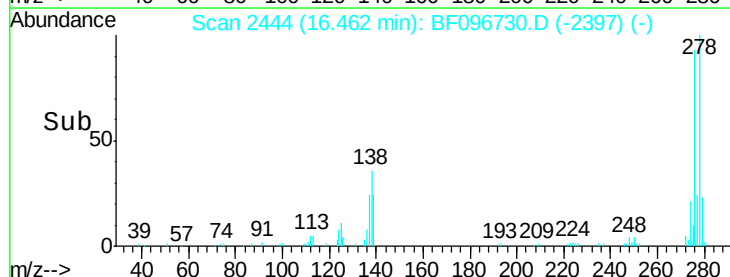
279 23.0 19.3 28.9



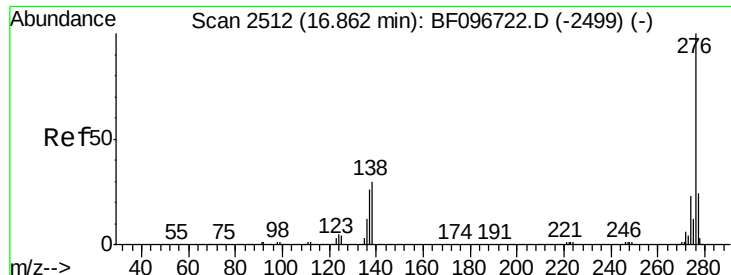
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



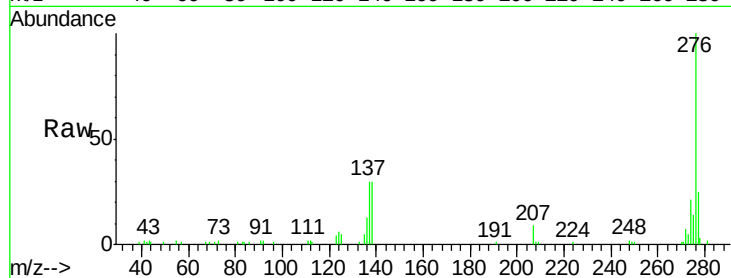




#91  
 Benzo(a,h,i)perylene  
 Concen: 7.61 ng  
 RT: 16.84 min Scan# 2509  
 Delta R.T. -0.02 min  
 Lab File: BF096730.D  
 Acq: 13 Jul 2017 16:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL-01-QT3-2017

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:276 | Resp: | 75195       |
| Ion         | Ratio | Lower Upper |
| 276         | 100   |             |
| 277         | 24.7  | 18.6 28.0   |
| 138         | 29.8  | 25.4 38.0   |



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

