

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100115\  
 Data File : BF081941.D  
 Acq On : 1 Oct 2015 16:09  
 Operator : UM/IZ  
 Sample : G3707-03  
 Misc : LOD 8 PPM  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

Quant Time: Oct 02 01:41:36 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 28 18:10:42 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 114383   | 20.00 | ng    | -0.05    |
| 21) Naphthalene-d8        | 8.18  | 136  | 474717   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10      | 9.93  | 164  | 227578   | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10      | 11.42 | 188  | 461232   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12          | 14.06 | 240  | 451156   | 20.00 | ng    | -0.06    |
| 86) Perylene-d12          | 15.51 | 264  | 358427   | 20.00 | ng    | -0.07    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.50  | 112 | 664053  | 105.39 | ng | -0.02 |
| 7) Phenol-d6                | 6.53  | 99  | 911530  | 114.97 | ng | -0.03 |
| 23) Nitrobenzene-d5         | 7.46  | 82  | 571231  | 80.21  | ng | -0.03 |
| 41) 2,4,6-Tribromophenol    | 10.73 | 330 | 267952  | 116.26 | ng | -0.03 |
| 44) 2-Fluorobiphenyl        | 9.26  | 172 | 1120097 | 81.75  | ng | -0.05 |
| 78) Terphenyl-d14           | 13.01 | 244 | 1173971 | 83.68  | ng | -0.05 |

|                                |      |     |        |        |    |      |
|--------------------------------|------|-----|--------|--------|----|------|
| Target Compounds               |      |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.58 | 88  | 15081  | 5.50   | ng | 93   |
| 3) Pyridine                    | 3.37 | 79  | 29989  | 4.20   | ng | # 83 |
| 4) n-Nitrosodimethylamine      | 3.29 | 42  | 9586   | 2.96   | ng | # 85 |
| 6) Aniline                     | 6.56 | 93  | 32725  | 3.07   | ng | # 86 |
| 8) 2-Chlorophenol              | 6.67 | 128 | 47011  | 6.76   | ng | 81   |
| 9) Benzaldehyde                | 6.45 | 77  | 26441  | 5.09   | ng | # 84 |
| 10) Phenol                     | 6.54 | 94  | 58106  | 6.53   | ng | 78   |
| 11) bis(2-Chloroethyl)ether    | 6.63 | 93  | 42804  | 6.21   | ng | 98   |
| 12) 1,3-Dichlorobenzene        | 6.83 | 146 | 52980  | 6.45   | ng | # 95 |
| 13) 1,4-Dichlorobenzene        | 6.91 | 146 | 54947  | 6.40   | ng | 96   |
| 14) 1,2-Dichlorobenzene        | 6.91 | 146 | 56618  | 7.40   | ng | 98   |
| 15) Benzyl Alcohol             | 7.05 | 79  | 32105  | 5.61   | ng | # 47 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.18 | 45  | 68274  | 7.00   | ng | 73   |
| 17) 2-Methylphenol             | 7.14 | 107 | 32924  | 5.84   | ng | # 84 |
| 18) Hexachloroethane           | 7.41 | 117 | 19084  | 7.10   | ng | # 82 |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70  | 31860  | 6.61   | ng | # 78 |
| 20) 3+4-Methylphenols          | 7.30 | 107 | 37198  | 5.22   | ng | # 39 |
| 22) Acetophenone               | 7.30 | 105 | 63028  | 6.49   | ng | # 79 |
| 24) Nitrobenzene               | 7.47 | 77  | 44556  | 5.76   | ng | # 63 |
| 25) Isophorone                 | 7.71 | 82  | 97552  | 6.91   | ng | # 91 |
| 26) 2-Nitrophenol              | 7.79 | 139 | 20892  | 5.63   | ng | # 49 |
| 27) 2,4-Dimethylphenol         | 7.83 | 122 | 44162  | 6.76   | ng | # 83 |
| 28) bis(2-Chloroethoxy)methane | 7.93 | 93  | 52728  | 6.29   | ng | # 92 |
| 29) 2,4-Dichlorophenol         | 8.03 | 162 | 39118  | 6.18   | ng | 97   |
| 30) 1,2,4-Trichlorobenzene     | 8.13 | 180 | 44141  | 6.24   | ng | 98   |
| 31) Naphthalene                | 8.21 | 128 | 144014 | 6.85   | ng | 99   |
| 32) Benzoic acid               | 7.83 | 122 | 44162  | 16.92  | ng | # 31 |
| 33) 4-Chloroaniline            | 8.26 | 127 | 33276  | 3.66   | ng | # 92 |
| 34) Hexachlorobutadiene        | 8.32 | 225 | 27591  | 6.60   | ng | 99   |
| 35) Caprolactam                | 8.58 | 113 | 9984   | 5.70   | ng | 91   |
| 36) 4-Chloro-3-methylphenol    | 8.73 | 107 | 38565  | 6.23   | ng | 90   |
| 37) 2-Methylnaphthalene        | 8.89 | 142 | 92799  | 6.46   | ng | # 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 44099  | 6.31   | ng | # 95 |
| 40) Hexachlorocyclopentadiene  | 9.04 | 237 | 19719  | 5.48   | ng | 95   |

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 ALS Vial : 12 Sample Multiplier: 1

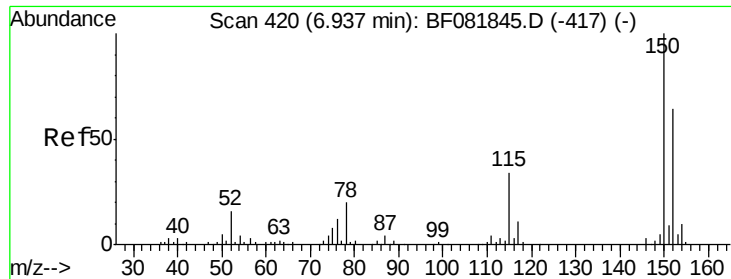
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

Quant Time: Oct 02 01:41:36 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092815.M  
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 QLast Update : Mon Sep 28 18:10:42 2015  
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| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.17  | 196  | 24218    | 5.06      | ng    | 100      |
| 43) 2,4,5-Trichlorophenol      | 9.21  | 196  | 34551    | 7.01      | ng    | 96       |
| 45) 1,1'-Biphenyl              | 9.36  | 154  | 118650   | 6.76      | ng    | 96       |
| 46) 2-Chloronaphthalene        | 9.38  | 162  | 99015    | 7.18      | ng    | 98       |
| 47) 2-Nitroaniline             | 9.49  | 65   | 22929    | 5.67      | ng    | 85       |
| 48) Acenaphthylene             | 9.79  | 152  | 157818   | 7.15      | ng    | 98       |
| 49) Dimethylphthalate          | 9.66  | 163  | 103928   | 6.62      | ng    | # 97     |
| 50) 2,6-Dinitrotoluene         | 9.71  | 165  | 21586    | 6.33      | ng    | # 62     |
| 51) Acenaphthene               | 9.97  | 154  | 92686    | 7.07      | ng    | 90       |
| 52) 3-Nitroaniline             | 9.90  | 138  | 22158    | 5.62      | ng    | # 68     |
| 53) 2,4-Dinitrophenol          | 10.02 | 184  | 1284     | Below Cal |       | # 1      |
| 54) Dibenzofuran               | 10.14 | 168  | 132286   | 7.14      | ng    | # 90     |
| 55) 4-Nitrophenol              | 10.08 | 139  | 6403     | 2.25      | ng    | # 39     |
| 56) 2,4-Dinitrotoluene         | 10.13 | 165  | 27378    | 6.30      | ng    | # 89     |
| 57) Fluorene                   | 10.48 | 166  | 109365   | 6.43      | ng    | 91       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 28529    | 7.30      | ng    | # 89     |
| 59) Diethylphthalate           | 10.35 | 149  | 110629   | 7.54      | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.48 | 204  | 48265    | 7.12      | ng    | 95       |
| 61) 4-Nitroaniline             | 10.51 | 138  | 23272    | 5.88      | ng    | # 52     |
| 62) Azobenzene                 | 10.64 | 77   | 108352   | 7.57      | ng    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.53 | 198  | 6448     | 4.87      | ng    | 88       |
| 65) n-Nitrosodiphenylamine     | 10.59 | 169  | 92944    | 6.66      | ng    | 94       |
| 66) 4-Bromophenyl-phenylether  | 10.97 | 248  | 31385    | 6.75      | ng    | # 90     |
| 67) Hexachlorobenzene          | 11.03 | 284  | 31681    | 6.04      | ng    | # 76     |
| 68) Atrazine                   | 11.12 | 200  | 26219    | 6.06      | ng    | 84       |
| 69) Pentachlorophenol          | 11.22 | 266  | 11812    | 3.95      | ng    | 95       |
| 70) Phenanthrene               | 11.44 | 178  | 152712   | 5.42      | ng    | 97       |
| 71) Anthracene                 | 11.50 | 178  | 176895   | 7.55      | ng    | 99       |
| 72) Carbazole                  | 11.66 | 167  | 143324   | 6.76      | ng    | 98       |
| 73) Di-n-butylphthalate        | 11.98 | 149  | 166322   | 6.55      | ng    | # 98     |
| 74) Fluoranthene               | 12.63 | 202  | 177230   | 7.17      | ng    | 90       |
| 76) Benzidine                  | 12.79 | 184  | 35812    | 2.63      | ng    | # 94     |
| 77) Pyrene                     | 12.86 | 202  | 179932   | 6.68      | ng    | 97       |
| 79) Butylbenzylphthalate       | 13.48 | 149  | 66988    | 6.61      | ng    | # 86     |
| 80) Benzo(a)anthracene         | 14.05 | 228  | 157701   | 6.49      | ng    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 14.02 | 252  | 31372    | 3.82      | ng    | # 95     |
| 82) Chrysene                   | 14.08 | 228  | 162991   | 6.06      | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 14.04 | 149  | 99469    | 7.82      | ng    | # 94     |
| 84) Di-n-octyl phthalate       | 14.64 | 149  | 152833   | 7.38      | ng    | # 92     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.93 | 276  | 108707   | 5.72      | ng    | # 88     |
| 87) Benzo(b)fluoranthene       | 15.09 | 252  | 132525   | 6.48      | ng    | # 85     |
| 88) Benzo(k)fluoranthene       | 15.09 | 252  | 132525   | 7.07      | ng    | # 87     |
| 89) Benzo(a)pyrene             | 15.44 | 252  | 129380   | 7.29      | ng    | # 86     |
| 90) Dibenzo(a,h)anthracene     | 16.95 | 278  | 90361    | 6.07      | ng    | # 82     |
| 91) Benzo(g,h,i)perylene       | 17.35 | 276  | 88688    | 5.81      | ng    | # 79     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

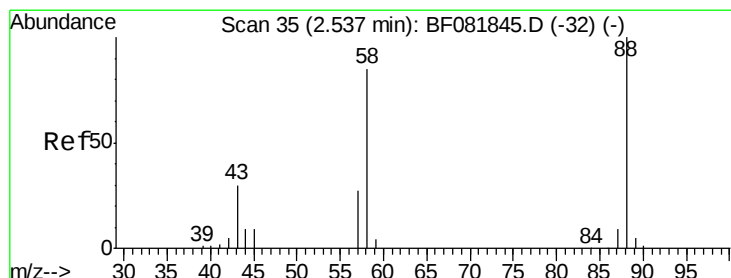
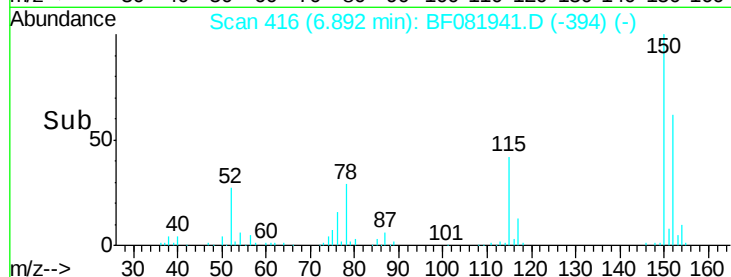
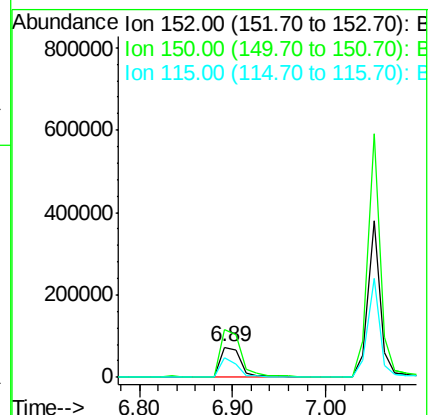
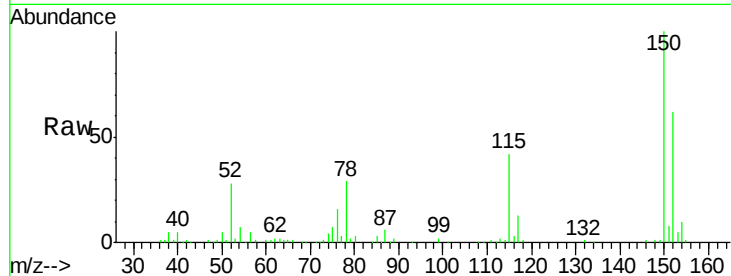
Tgt Ion:152 Resp: 114383

Ion Ratio Lower Upper

152 100

150 160.8 124.7 187.1

115 66.8 39.0 58.4#



#2

1,4-Dioxane

Concen: 5.50 ng

RT: 2.58 min Scan# 39

Delta R.T. 0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

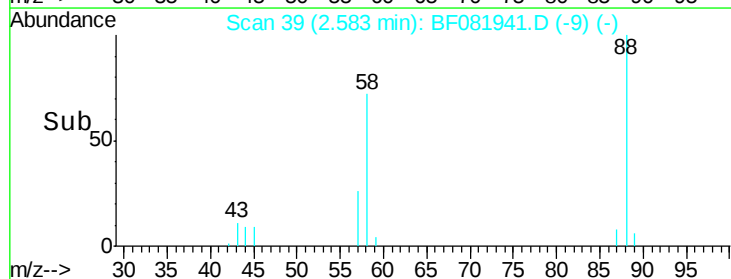
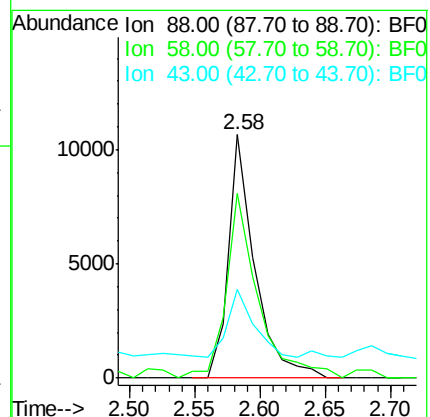
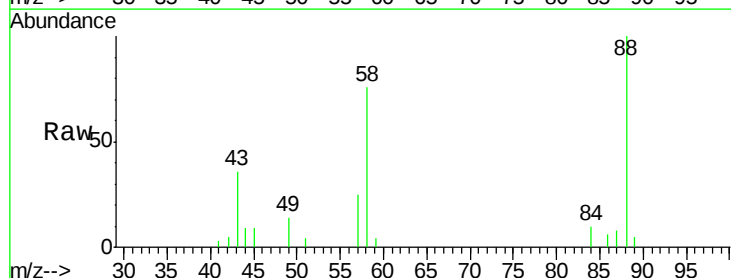
Tgt Ion: 88 Resp: 15081

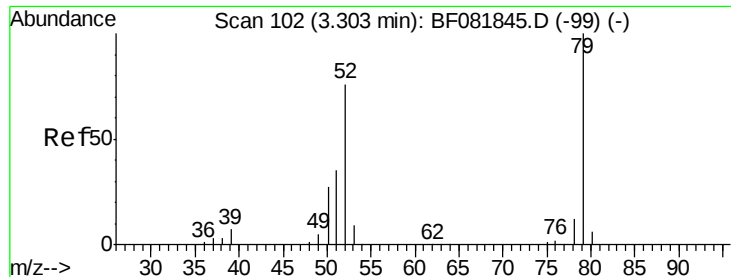
Ion Ratio Lower Upper

88 100

58 91.9 77.7 116.5

43 27.2 26.6 40.0





#3

Pyridine

Concen: 4.20 ng

RT: 3.37 min Scan# 108

Delta R.T. 0.07 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

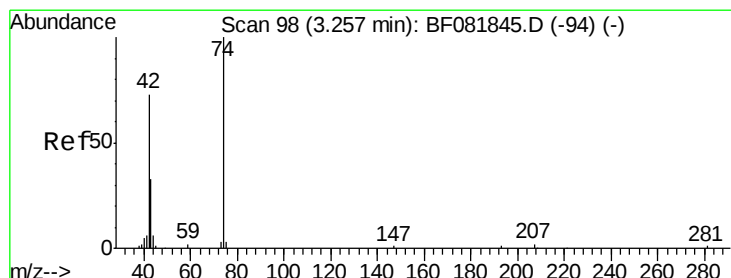
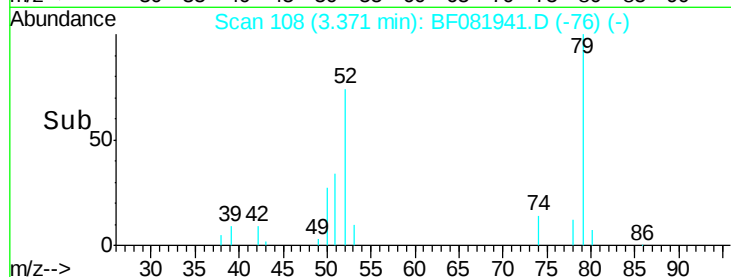
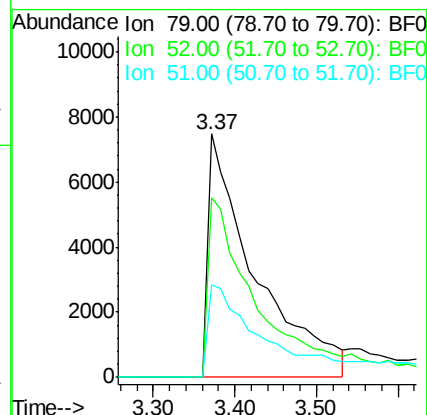
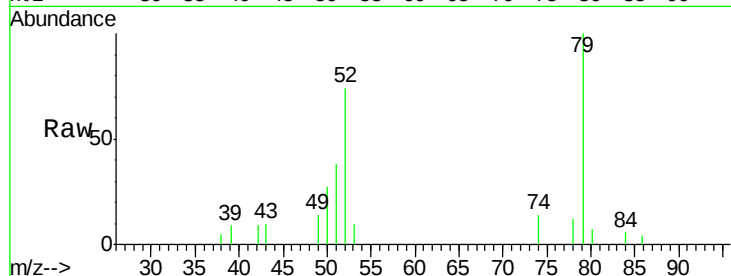
Tgt Ion: 79 Resp: 29989

Ion Ratio Lower Upper

79 100

52 73.9 76.8 115.2#

51 38.0 32.2 48.4



#4

n-Nitrosodimethylamine

Concen: 2.96 ng

RT: 3.29 min Scan# 101

Delta R.T. 0.03 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

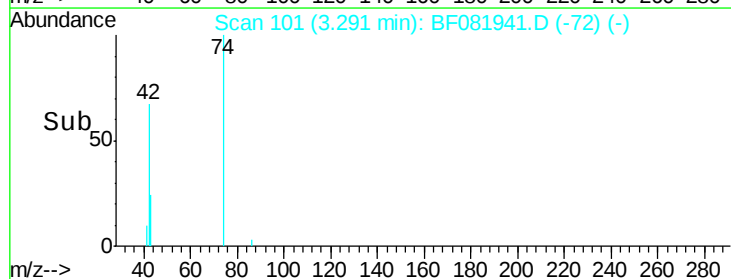
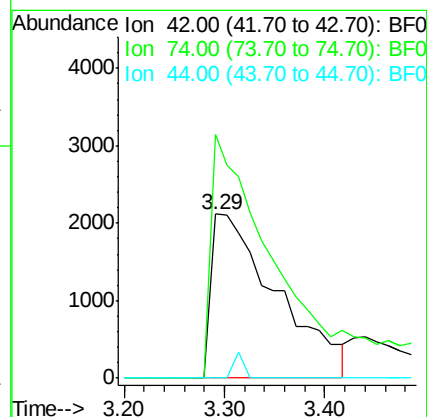
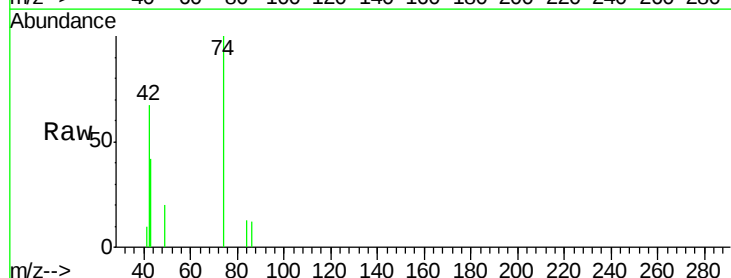
Tgt Ion: 42 Resp: 9586

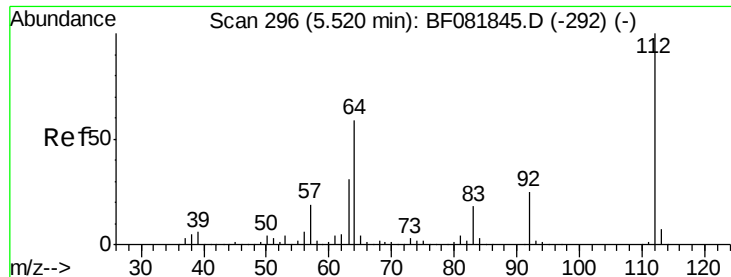
Ion Ratio Lower Upper

42 100

74 148.4 105.0 157.6

44 0.0 6.6 10.0#





#5

2-Fluorophenol

Concen: 105.39 ng

RT: 5.50 min Scan# 294

Delta R.T. -0.02 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

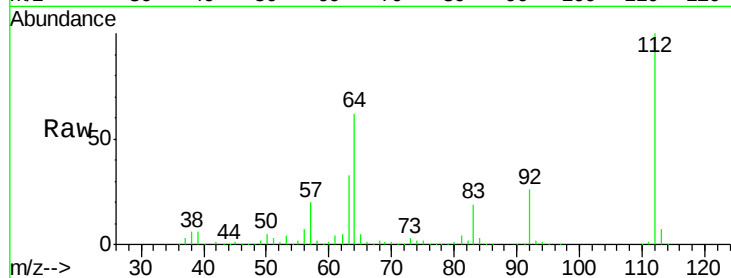
Tgt Ion: 112 Resp: 664053

Ion Ratio Lower Upper

112 100

64 62.3 39.7 59.5#

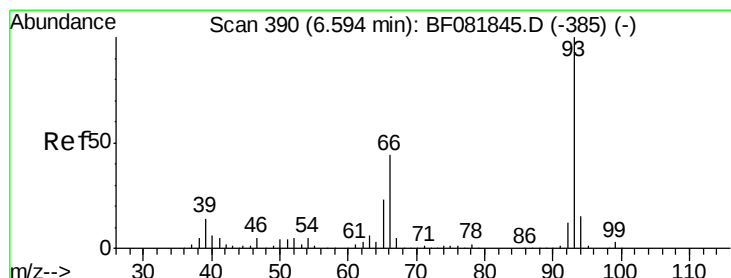
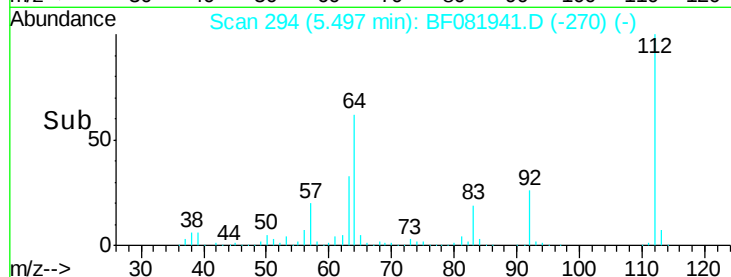
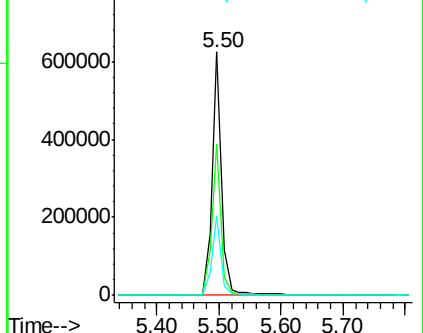
63 32.6 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 3.07 ng

RT: 6.56 min Scan# 387

Delta R.T. -0.03 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

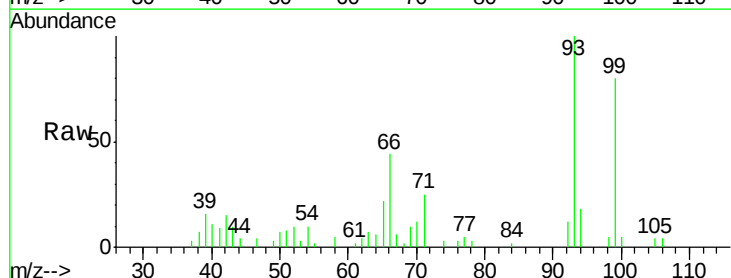
Tgt Ion: 93 Resp: 32725

Ion Ratio Lower Upper

93 100

66 43.9 27.2 40.8#

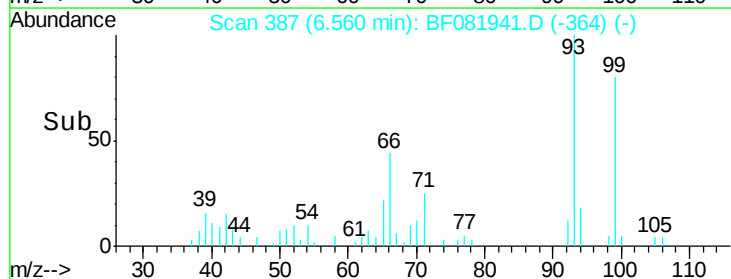
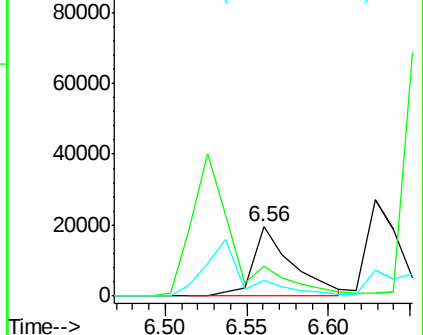
65 22.4 14.7 22.1#

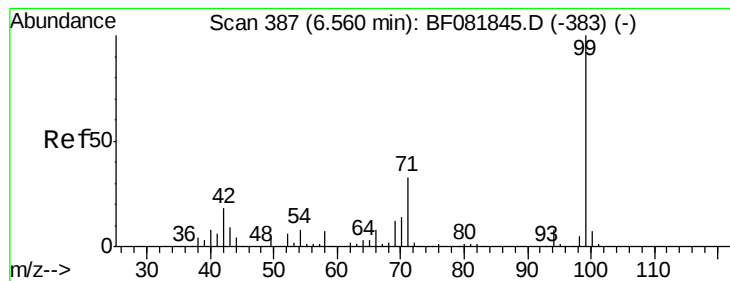


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 114.97 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

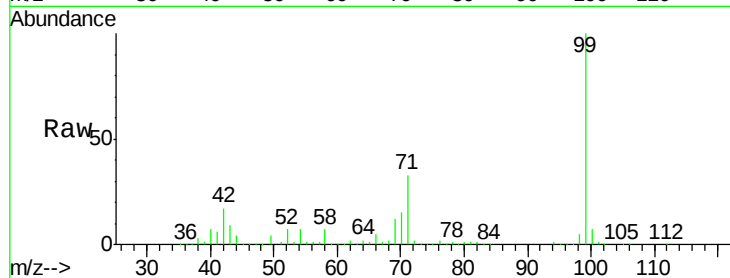
Tgt Ion: 99 Resp: 911530

Ion Ratio Lower Upper

99 100

42 16.9 13.7 20.5

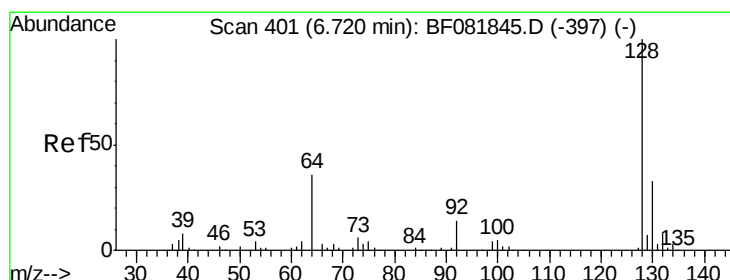
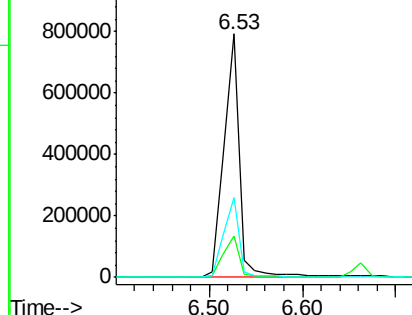
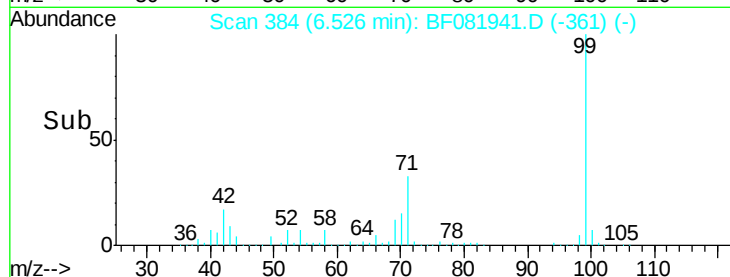
71 33.0 14.2 21.2#



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: 6.76 ng

RT: 6.67 min Scan# 397

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

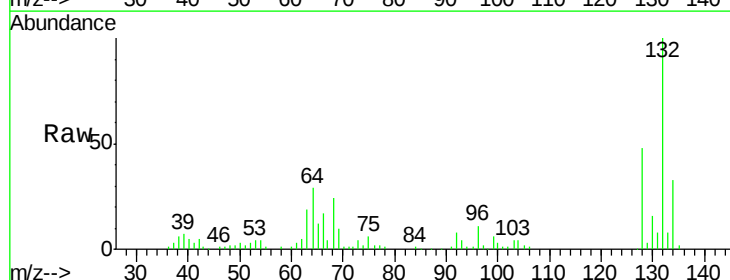
Tgt Ion: 128 Resp: 47011

Ion Ratio Lower Upper

128 100

130 33.1 12.2 52.2

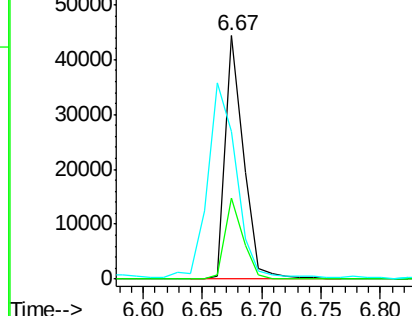
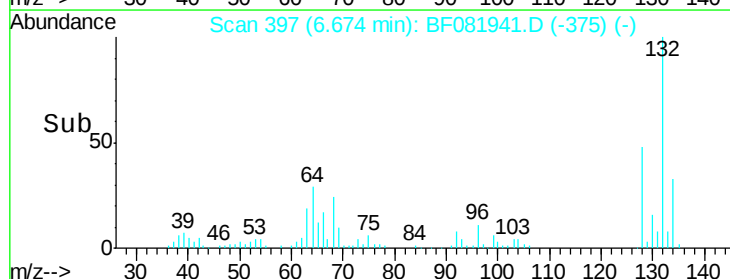
64 60.4 20.5 60.5

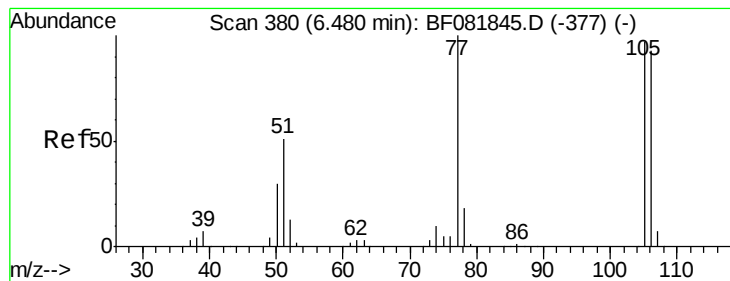


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 5.09 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

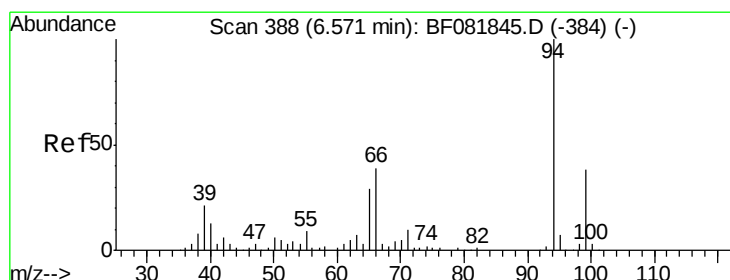
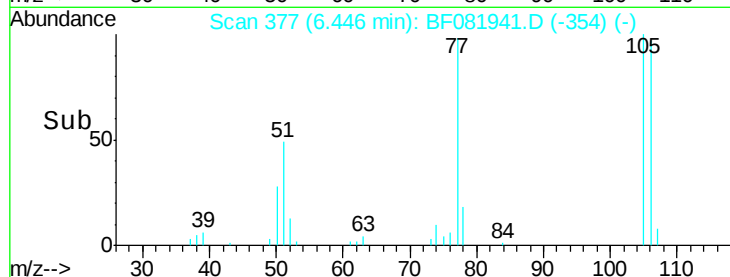
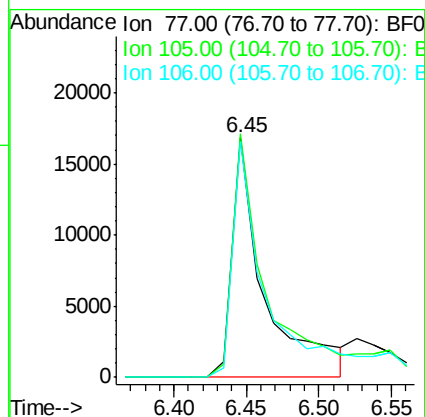
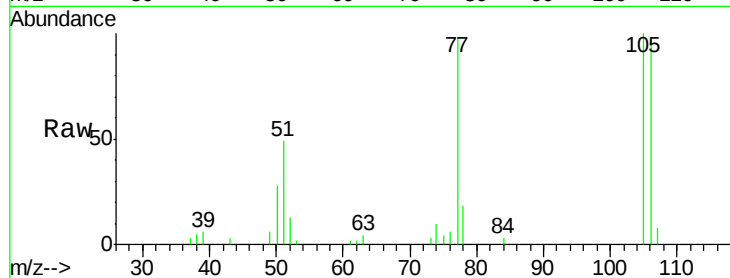
Tgt Ion: 77 Resp: 26441

Ion Ratio Lower Upper

77 100

105 101.7 91.6 131.6

106 98.4 102.6 142.6#



#10

Phenol

Concen: 6.53 ng

RT: 6.54 min Scan# 385

Delta R.T. -0.03 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

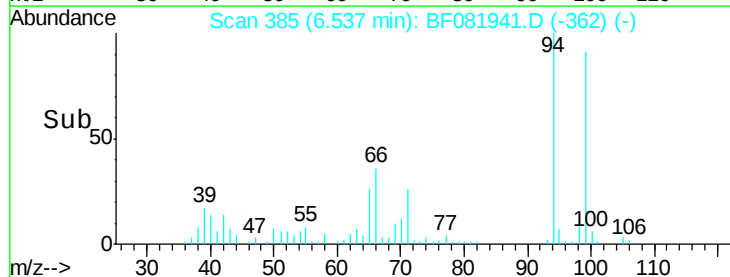
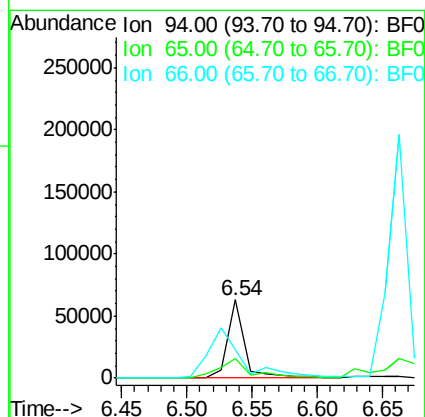
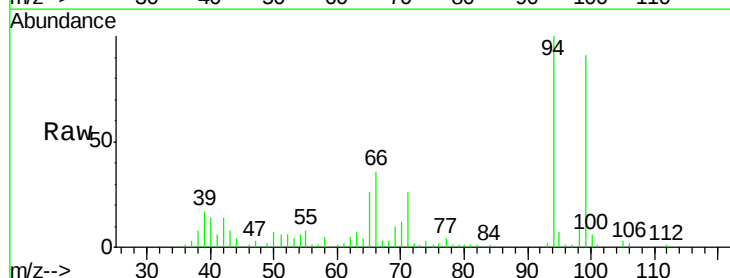
Tgt Ion: 94 Resp: 58106

Ion Ratio Lower Upper

94 100

65 25.6 0.7 40.7

66 36.2 0.8 40.8

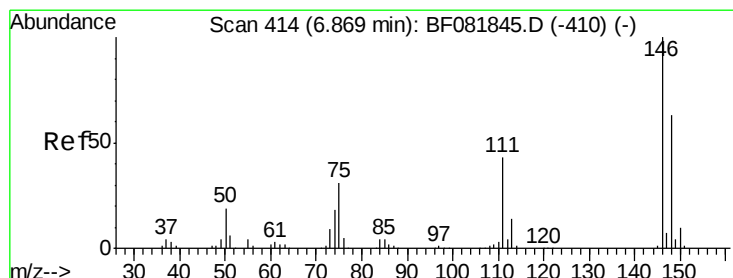
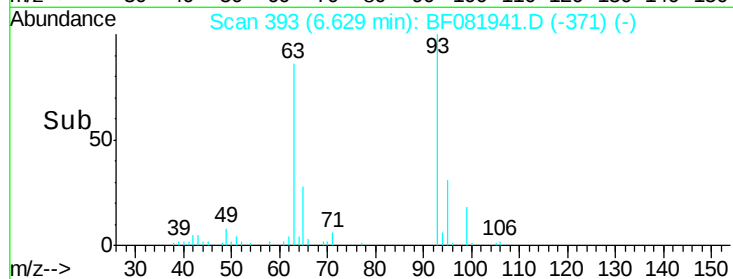
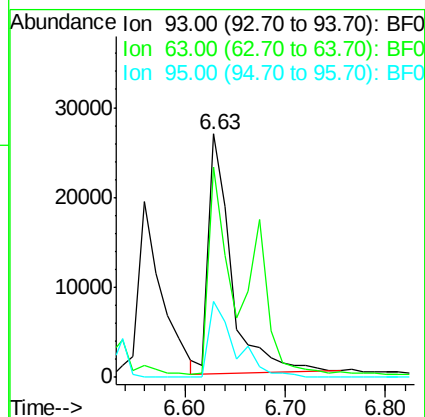
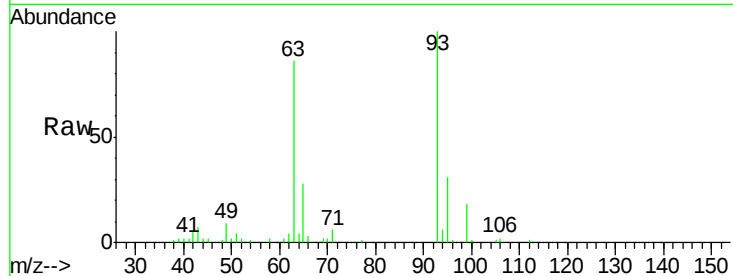




#11  
bis(2-Chloroethyl)ether  
Concen: 6.21 ng  
RT: 6.63 min Scan# 393  
Delta R.T. -0.05 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

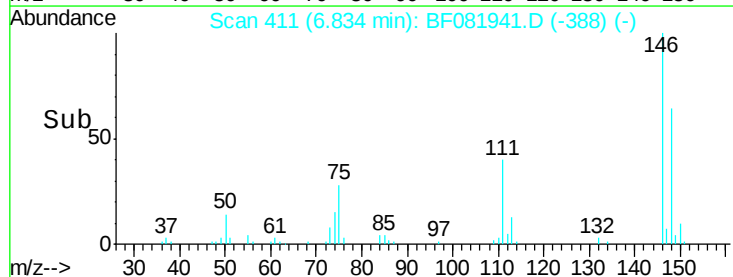
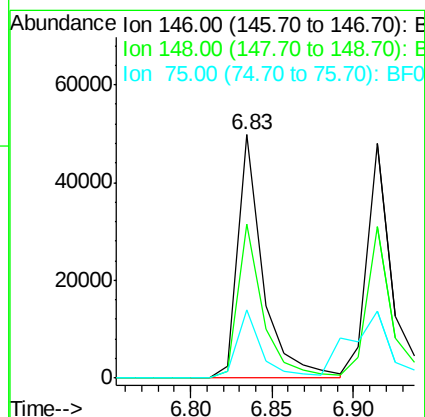
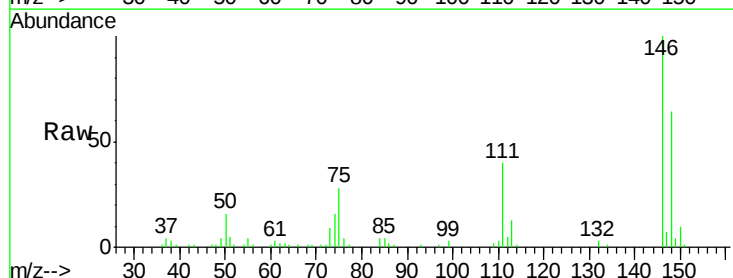
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL2015-01

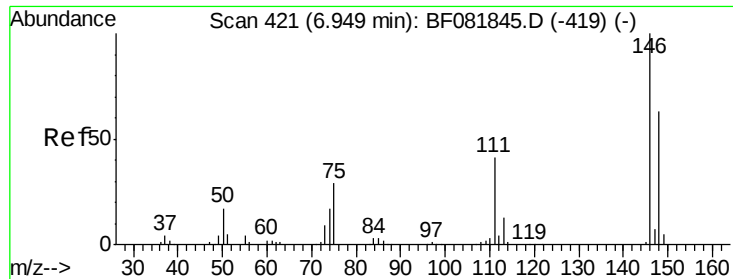
Tgt Ion: 93 Resp: 42804  
Ion Ratio Lower Upper  
93 100  
63 86.3 65.6 105.6  
95 31.0 13.6 53.6



#12  
1,3-Dichlorobenzene  
Concen: 6.45 ng  
RT: 6.83 min Scan# 411  
Delta R.T. -0.03 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

Tgt Ion: 146 Resp: 52980  
Ion Ratio Lower Upper  
146 100  
148 63.5 51.0 76.4  
75 27.8 15.0 22.6#

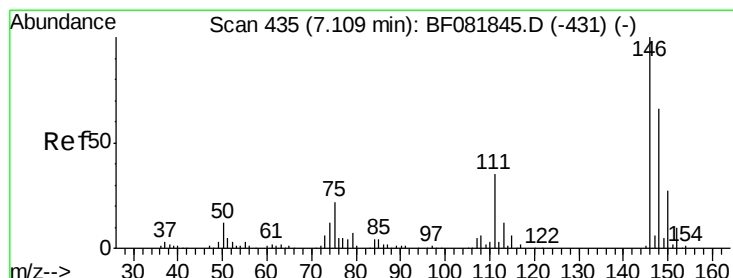
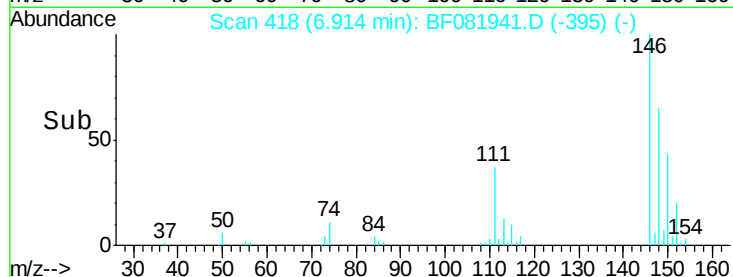
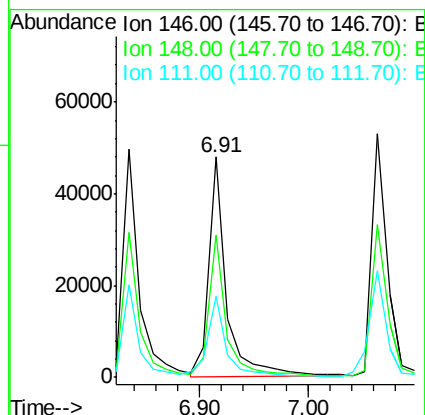
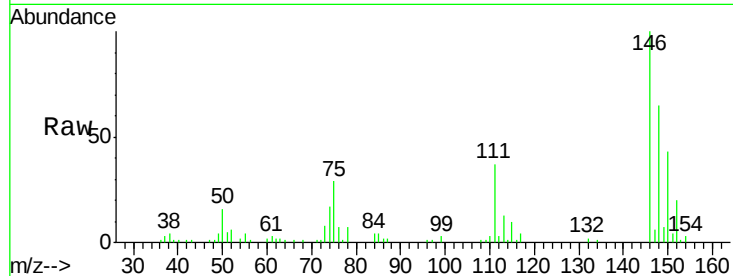




#13  
 1,4-Dichlorobenzene  
 Concen: 6.40 ng  
 RT: 6.91 min Scan# 418  
 Delta R.T. -0.03 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

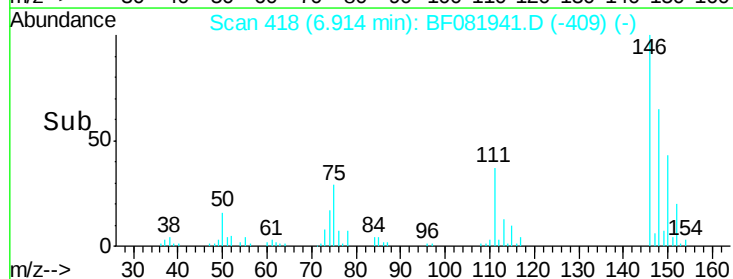
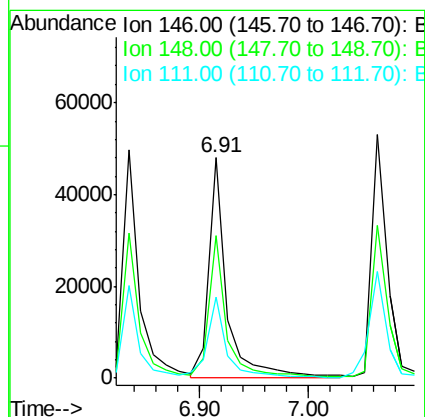
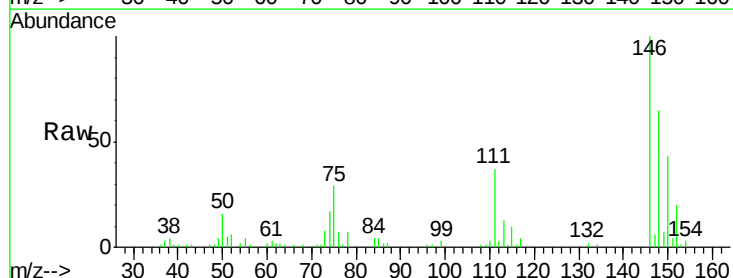
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

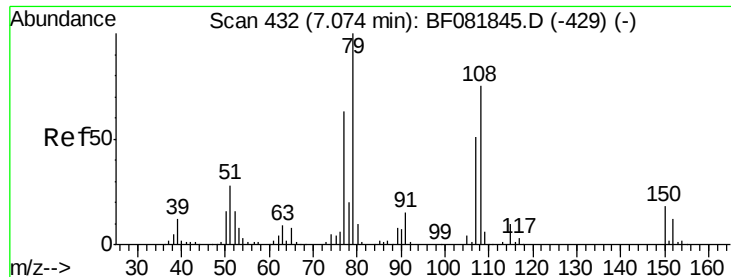
Tgt Ion:146 Resp: 54947  
 Ion Ratio Lower Upper  
 146 100  
 148 64.7 51.8 77.6  
 111 37.1 24.9 37.3



#14  
 1,2-Dichlorobenzene  
 Concen: 7.40 ng  
 RT: 6.91 min Scan# 418  
 Delta R.T. -0.19 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Tgt Ion:146 Resp: 56618  
 Ion Ratio Lower Upper  
 146 100  
 148 64.7 52.7 79.1  
 111 37.1 28.8 43.2





#15

Benzyl Alcohol

Concen: 5.61 ng

RT: 7.05 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

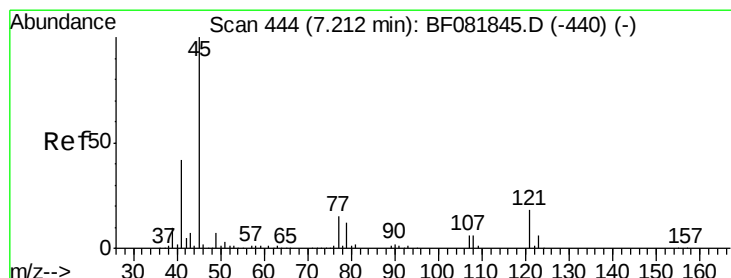
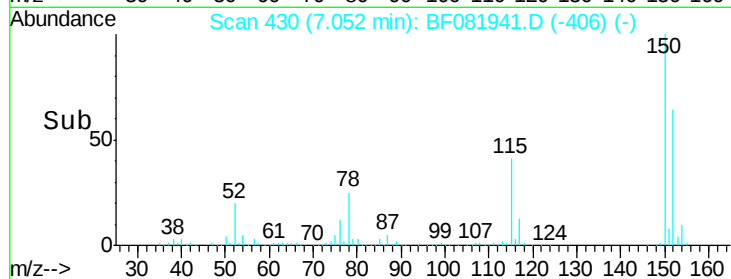
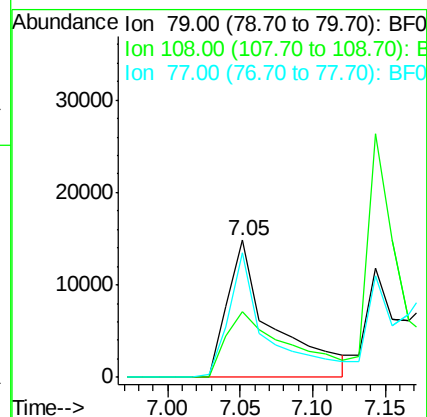
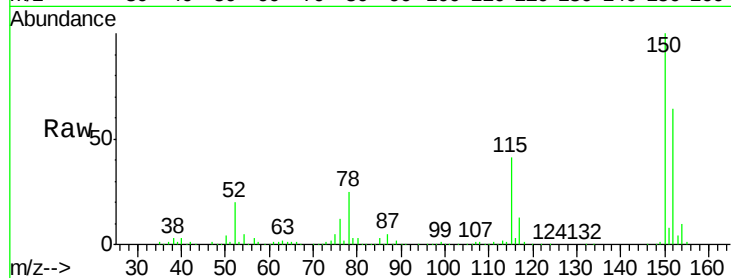
Tgt Ion: 79 Resp: 32105

Ion Ratio Lower Upper

79 100

108 48.3 88.6 132.8#

77 91.2 47.0 70.4#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.00 ng

RT: 7.18 min Scan# 441

Delta R.T. -0.03 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

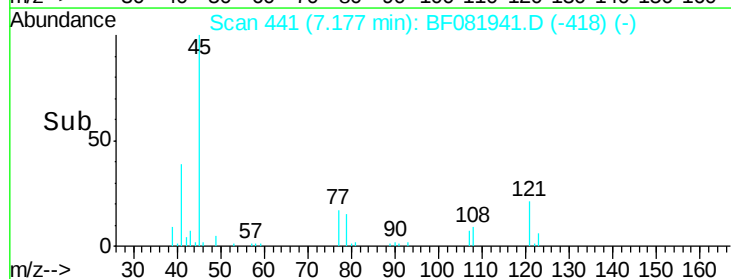
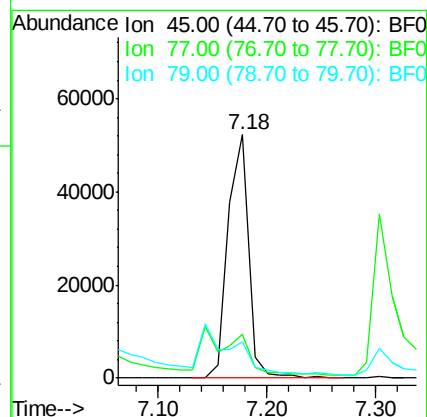
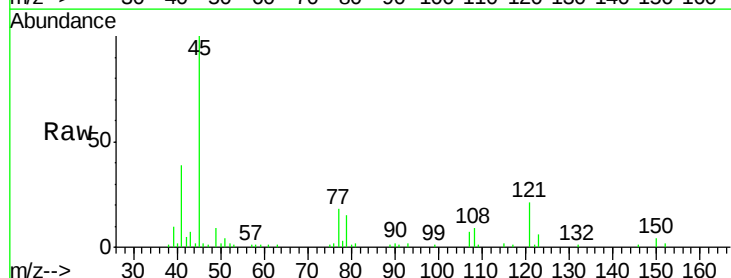
Tgt Ion: 45 Resp: 68274

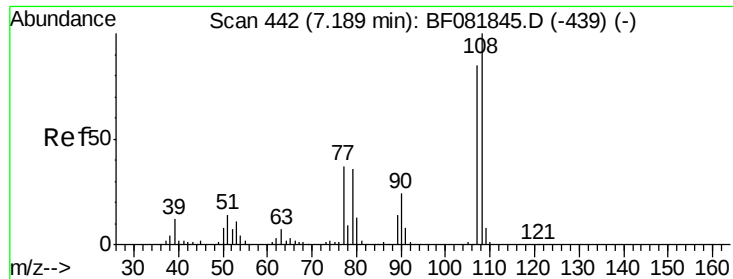
Ion Ratio Lower Upper

45 100

77 17.8 0.0 28.1

79 15.0 0.0 26.0

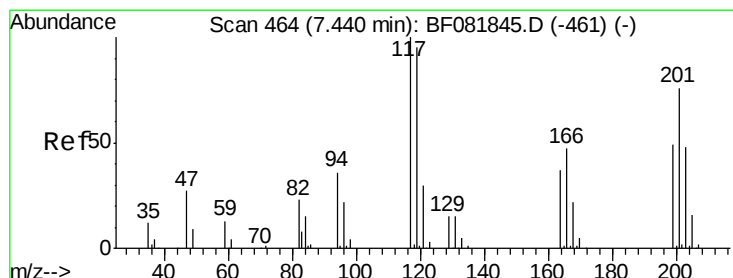
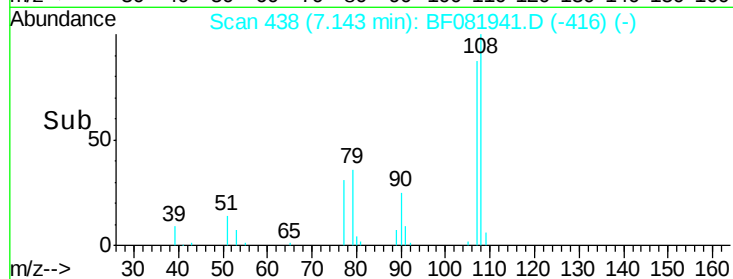
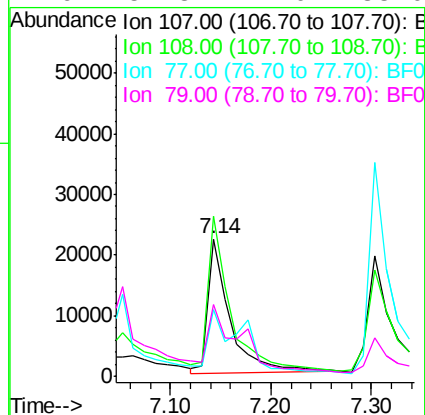
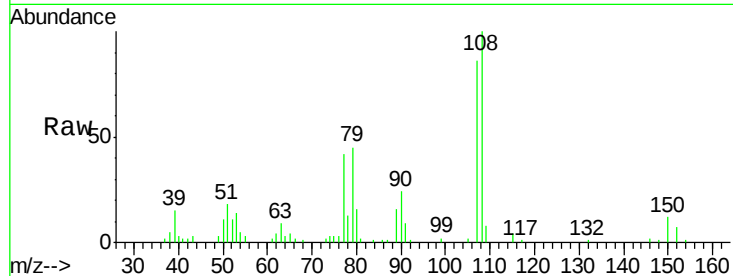




#17  
2-Methylphenol  
Concen: 5.84 ng  
RT: 7.14 min Scan# 438  
Delta R.T. -0.05 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

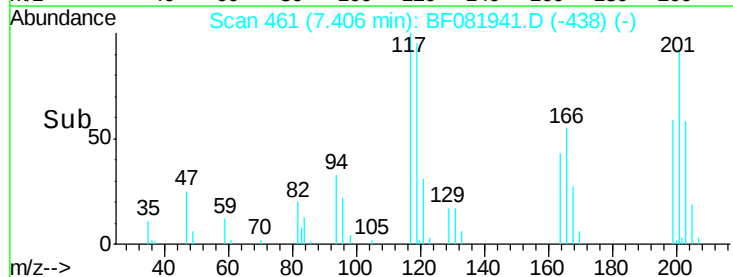
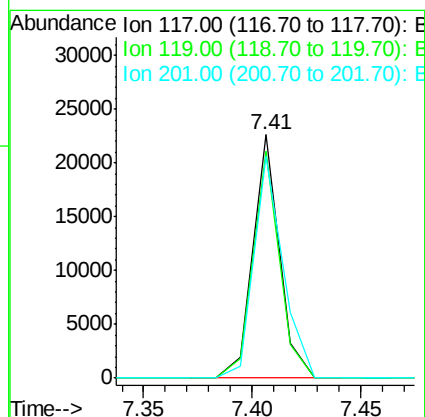
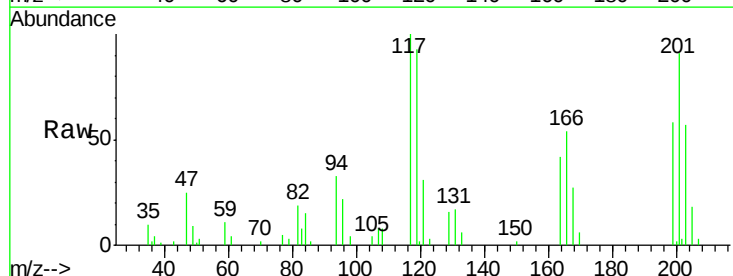
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL2015-01

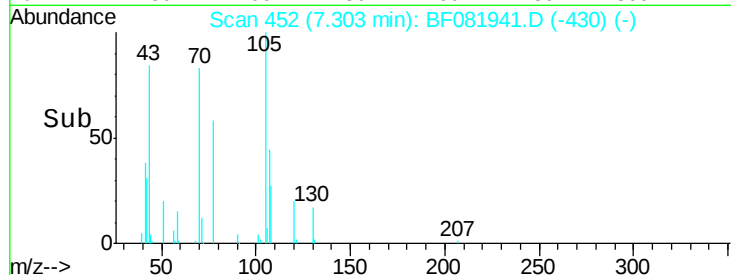
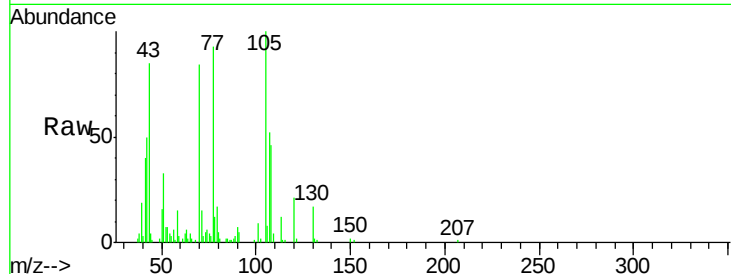
Tgt Ion:107 Resp: 32924  
Ion Ratio Lower Upper  
107 100  
108 116.1 96.6 145.0  
77 48.6 23.3 34.9#  
79 51.8 22.0 33.0#



#18  
Hexachloroethane  
Concen: 7.10 ng  
RT: 7.41 min Scan# 461  
Delta R.T. -0.03 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

Tgt Ion:117 Resp: 19084  
Ion Ratio Lower Upper  
117 100  
119 93.0 83.8 125.6  
201 90.9 55.1 82.7#

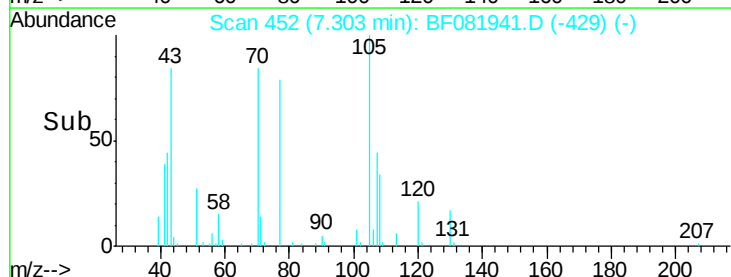
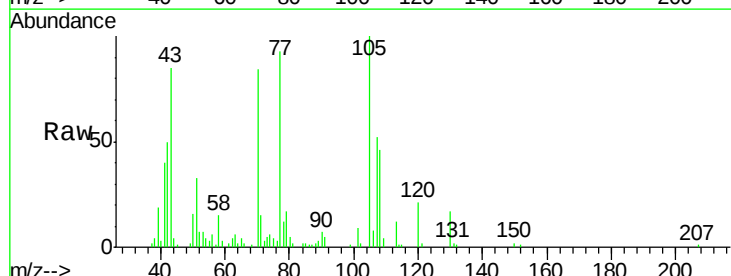
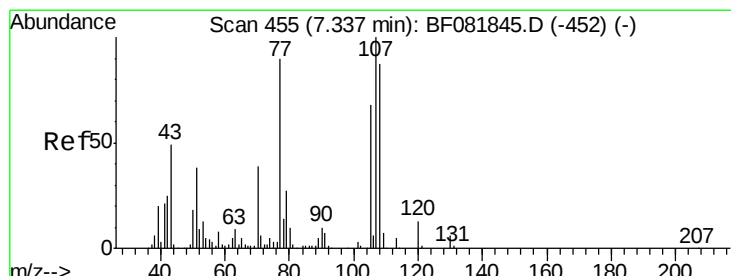
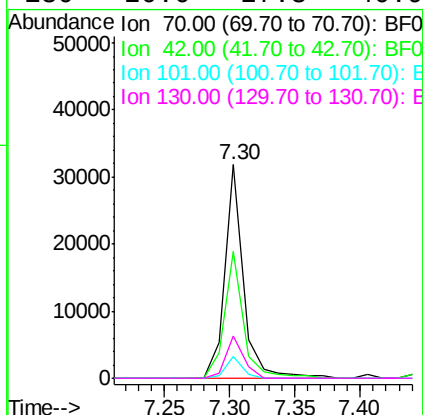




#19  
n-Nitroso-di-n-propylamine  
Concen: 6.61 ng  
RT: 7.30 min Scan# 452  
Delta R.T. -0.05 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

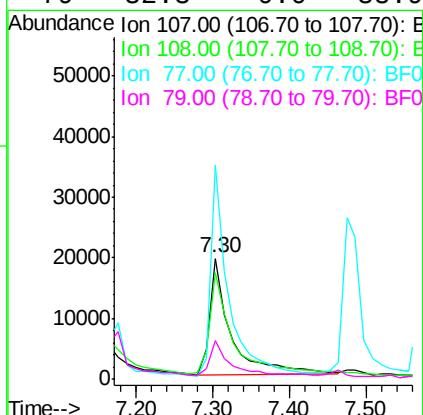
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL2015-01

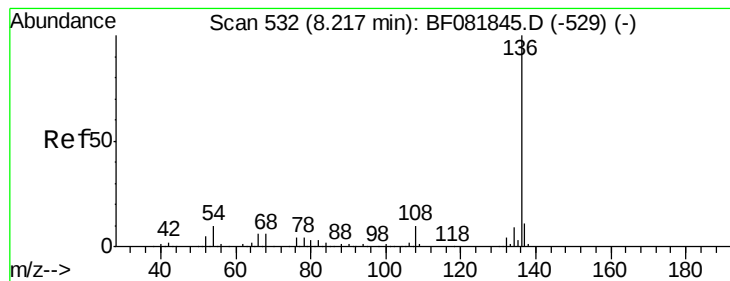
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 70    | Resp: | 31860 |
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 59.3  | 63.8  | 95.6# |
| 101       | 10.2  | 9.2   | 13.8  |
| 130       | 20.0  | 27.3  | 40.9# |



#20  
3+4-Methylphenols  
Concen: 5.22 ng  
RT: 7.30 min Scan# 452  
Delta R.T. -0.03 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 37198 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 87.8  | 74.6  | 114.6 |
| 77        | 176.8 | 0.7   | 40.7# |
| 79        | 32.3  | 0.0   | 38.9  |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 529

Delta R.T. -0.03 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:136 Resp: 474717

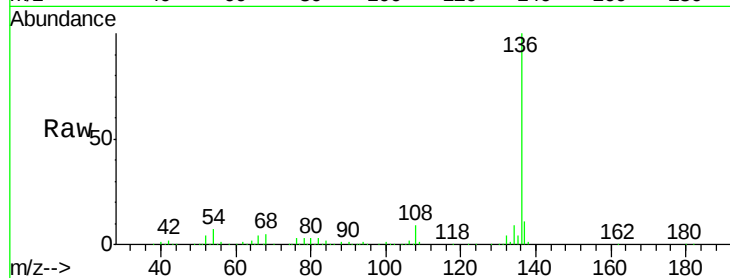
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 7.2 8.2 12.2#

68 4.9 5.8 8.6#

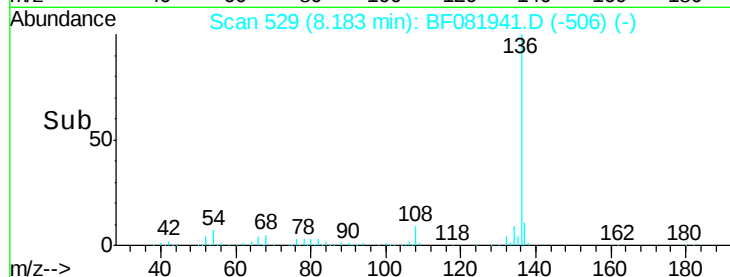


Abundance Ion 136.00 (135.70 to 136.70): E

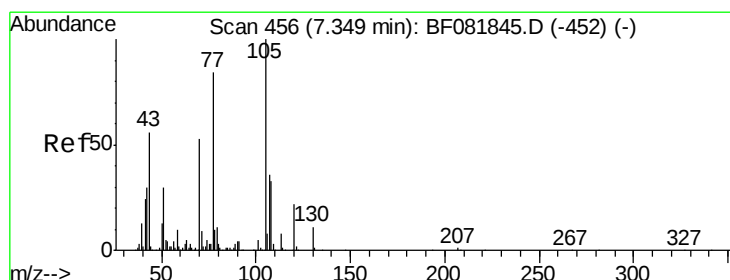
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 6.49 ng

RT: 7.30 min Scan# 452

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Tgt Ion:105 Resp: 63028

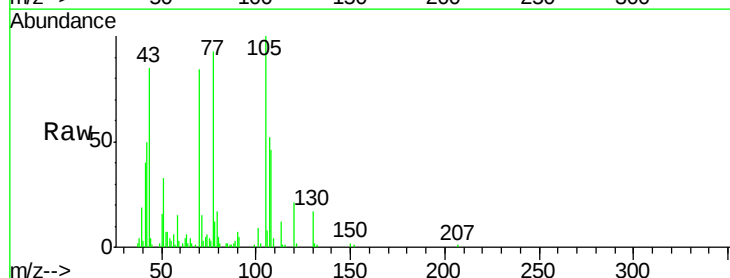
Ion Ratio Lower Upper

105 100

71 14.7 4.7 7.1#

51 33.2 22.0 33.0#

120 20.8 30.1 45.1#

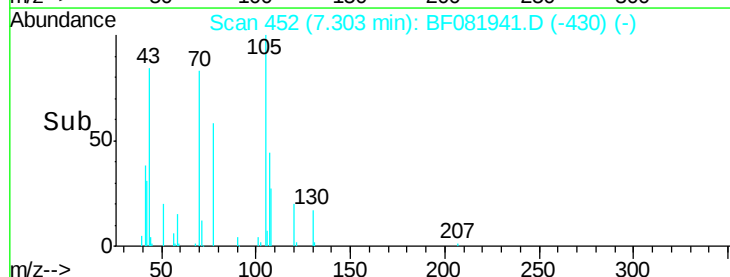


Abundance Ion 105.00 (104.70 to 105.70): E

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



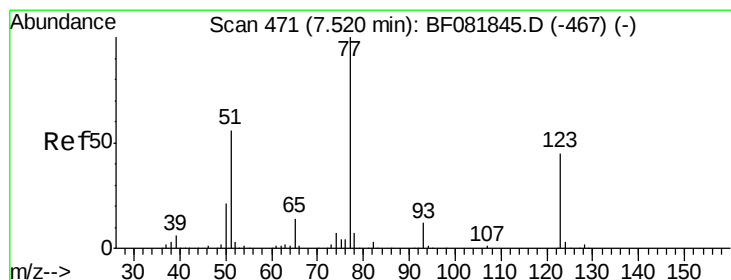
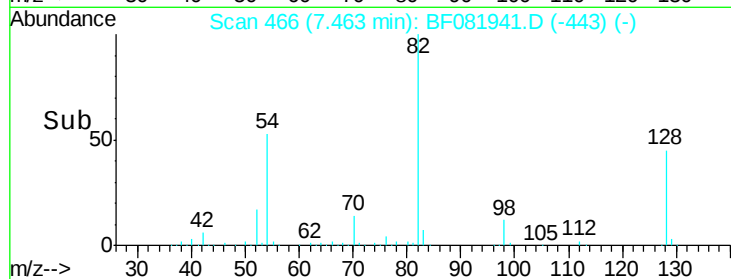
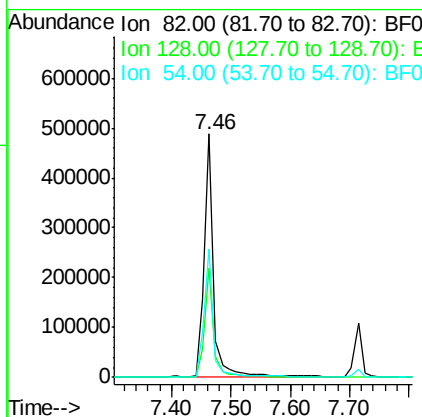
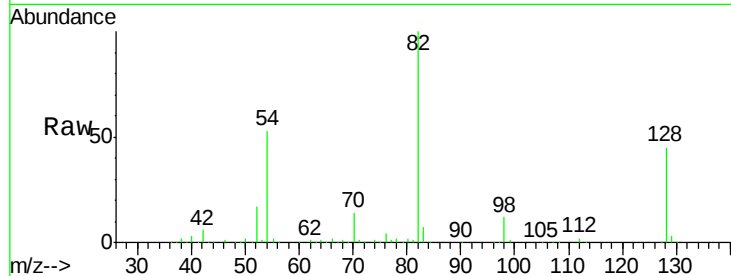
Time-->



#23  
 Nitrobenzene-d5  
 Concen: 80.21 ng  
 RT: 7.46 min Scan# 466  
 Delta R.T. -0.03 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

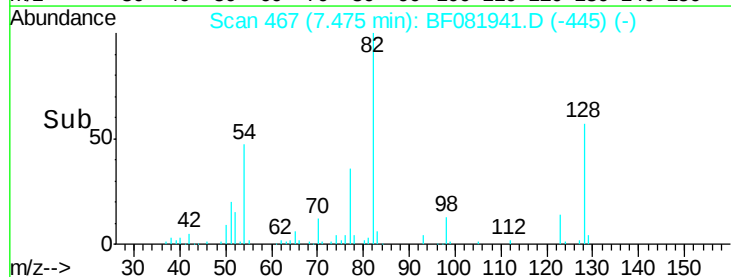
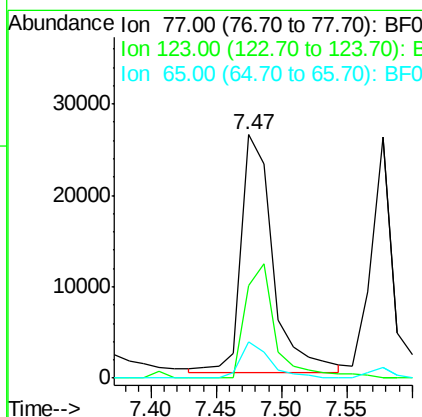
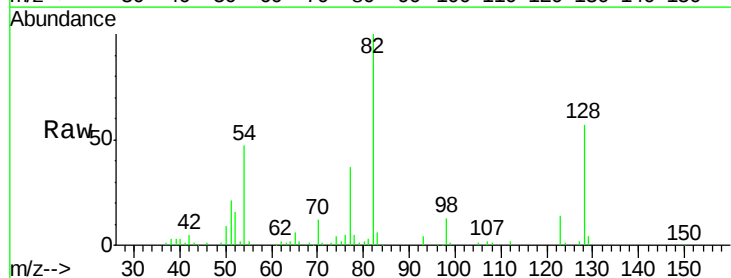
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

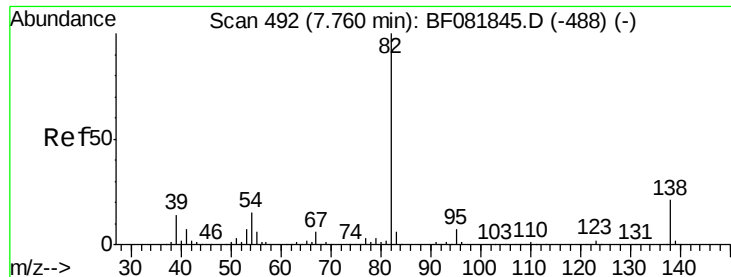
Tgt Ion: 82 Resp: 571231  
 Ion Ratio Lower Upper  
 82 100  
 128 45.1 51.0 76.6#  
 54 52.8 47.5 71.3



#24  
 Nitrobenzene  
 Concen: 5.76 ng  
 RT: 7.47 min Scan# 467  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Tgt Ion: 77 Resp: 44556  
 Ion Ratio Lower Upper  
 77 100  
 123 38.3 59.8 89.8#  
 65 15.0 10.2 15.4





#25

Isophorone

Concen: 6.91 ng

RT: 7.71 min Scan# 488

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

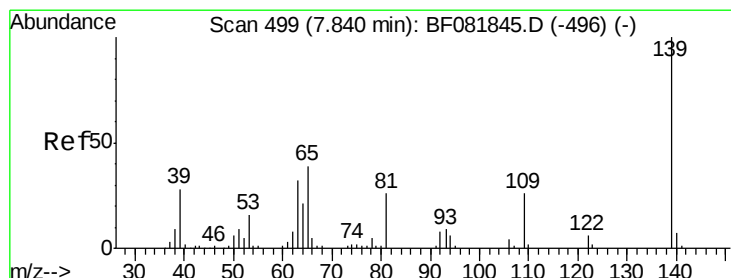
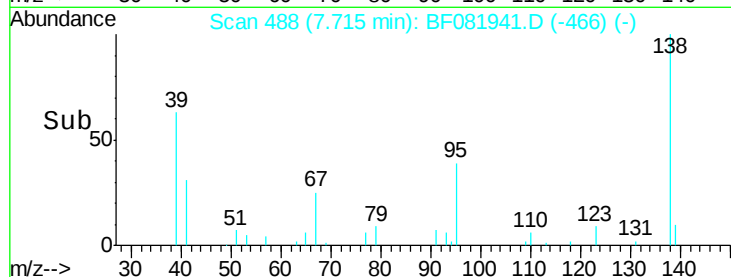
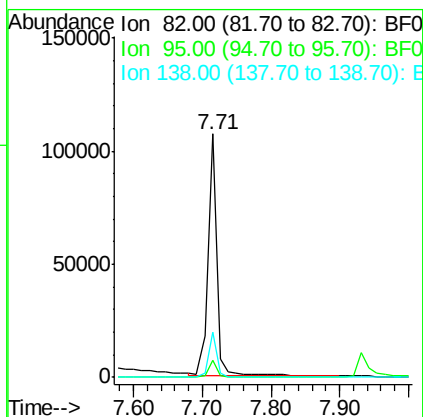
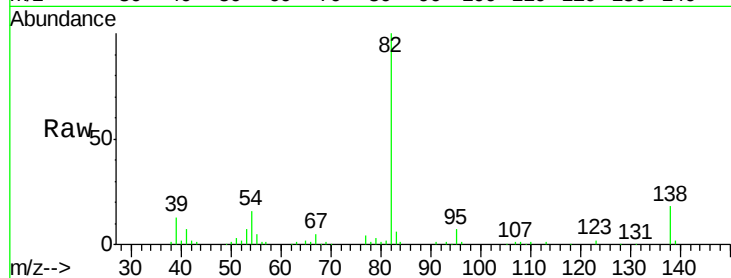
Tgt Ion: 82 Resp: 97552

Ion Ratio Lower Upper

82 100

95 7.2 4.0 6.0#

138 18.5 18.3 27.5



#26

2-Nitrophenol

Concen: 5.63 ng

RT: 7.79 min Scan# 495

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

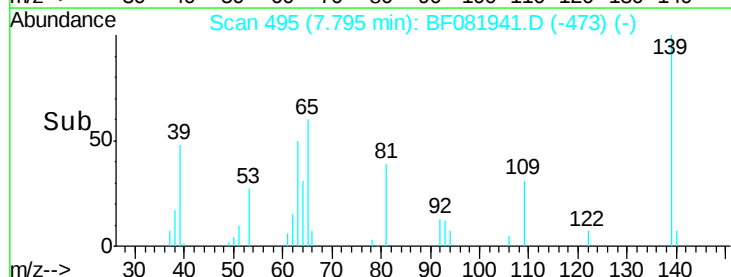
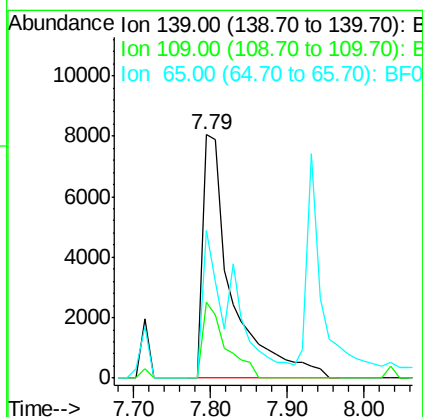
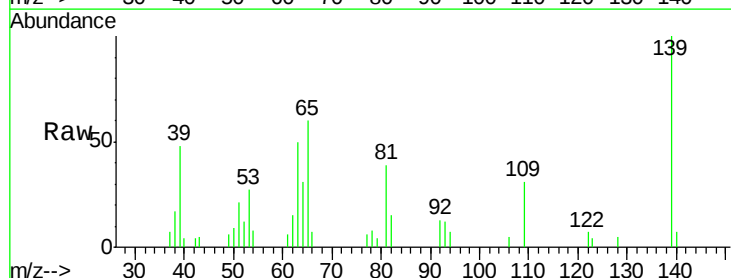
Tgt Ion: 139 Resp: 20892

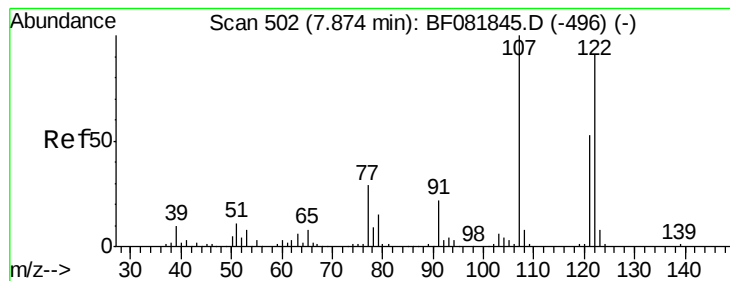
Ion Ratio Lower Upper

139 100

109 31.3 11.0 16.4#

65 60.4 24.7 37.1#





#27

2,4-Dimethylphenol

Concen: 6.76 ng

RT: 7.83 min Scan# 498

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

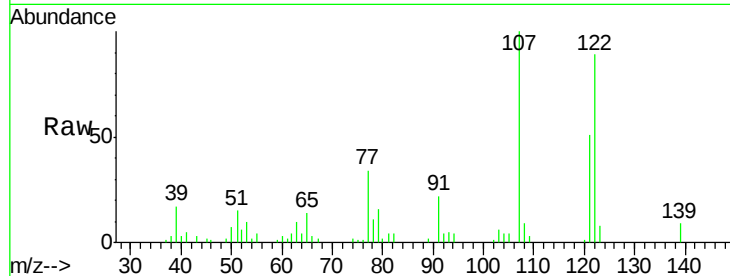
Tgt Ion:122 Resp: 44162

Ion Ratio Lower Upper

122 100

107 112.2 71.8 107.6#

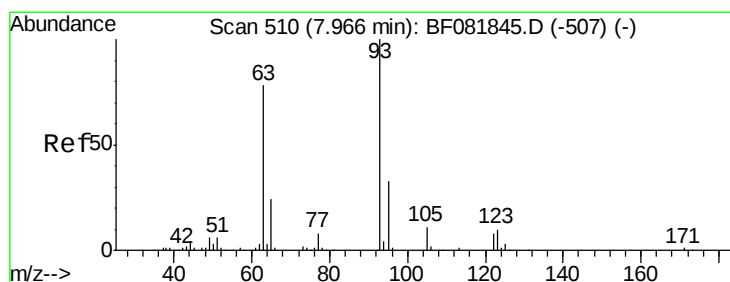
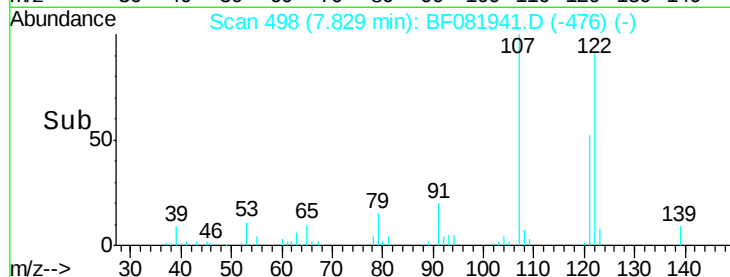
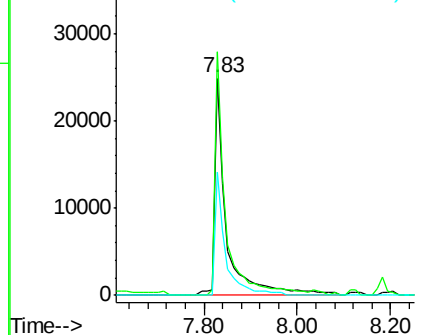
121 57.0 42.3 63.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 6.29 ng

RT: 7.93 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

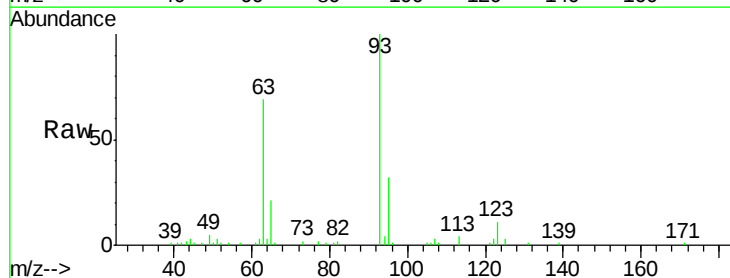
Tgt Ion: 93 Resp: 52728

Ion Ratio Lower Upper

93 100

95 31.7 27.5 41.3

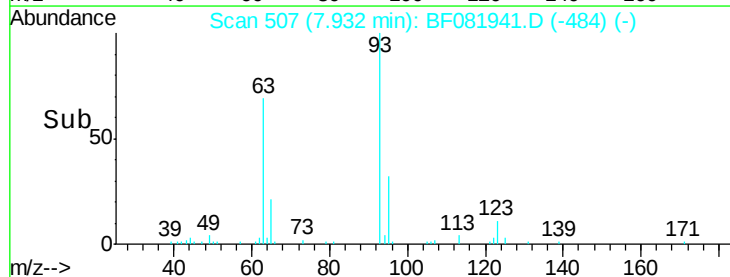
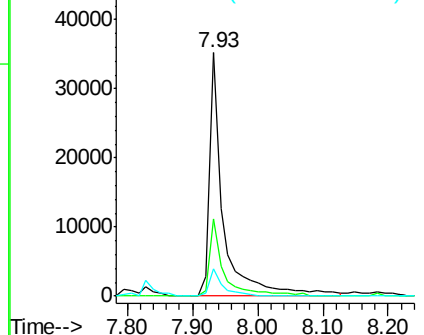
123 11.1 13.7 20.5#

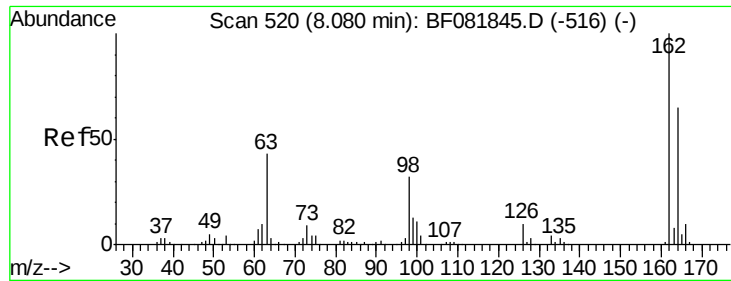


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

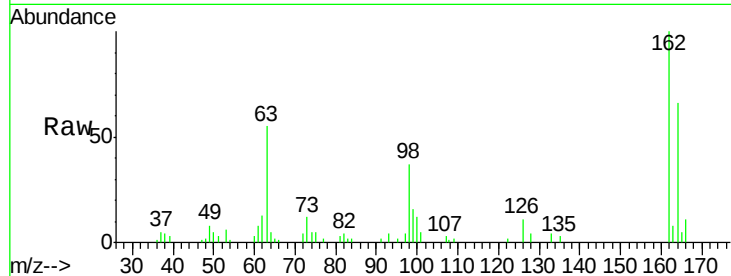




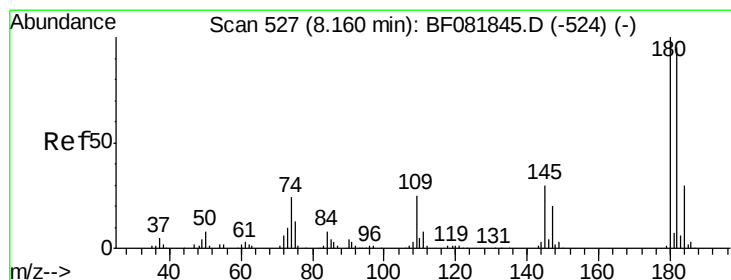
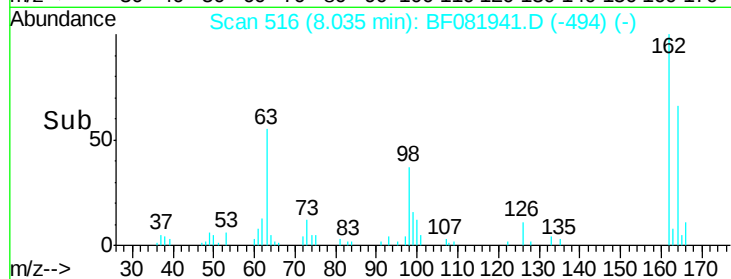
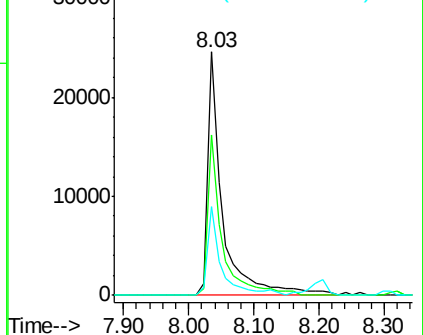
#29  
 2,4-Dichlorophenol  
 Concen: 6.18 ng  
 RT: 8.03 min Scan# 516  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

Tgt Ion:162 Resp: 39118  
 Ion Ratio Lower Upper  
 162 100  
 164 66.1 44.9 84.9  
 98 36.6 13.0 53.0

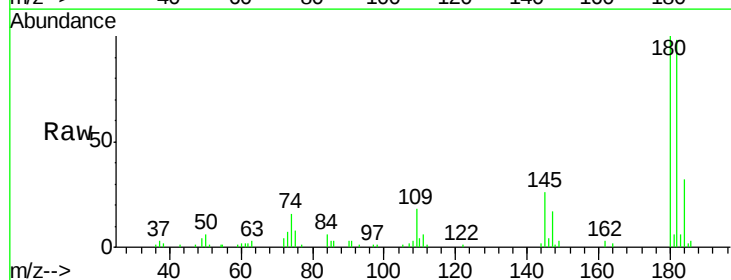


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

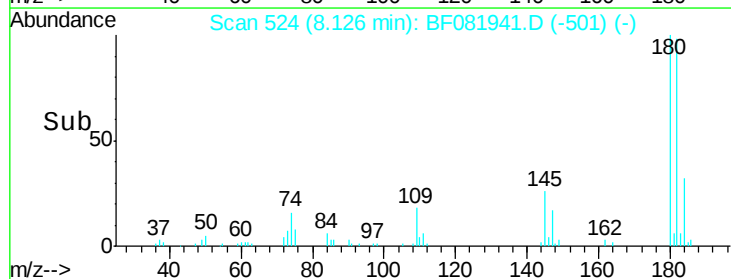
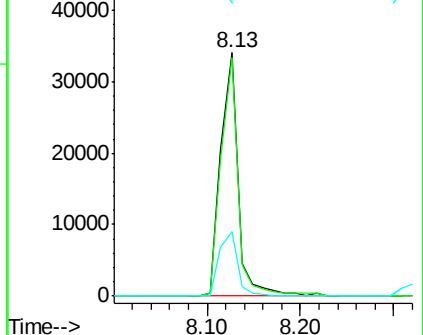


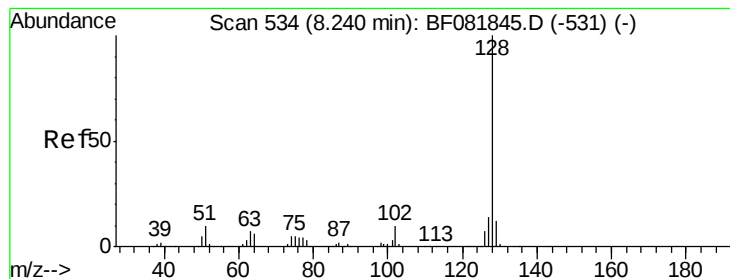
#30  
 1,2,4-Trichlorobenzene  
 Concen: 6.24 ng  
 RT: 8.13 min Scan# 524  
 Delta R.T. -0.03 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Tgt Ion:180 Resp: 44141  
 Ion Ratio Lower Upper  
 180 100  
 182 98.1 77.1 115.7  
 145 26.5 23.3 34.9



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: 6.85 ng

RT: 8.21 min Scan# 531

Delta R.T. -0.03 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

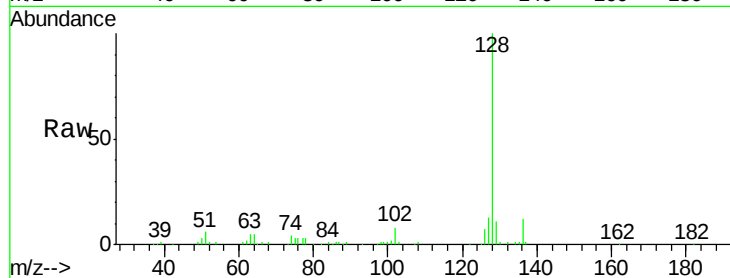
Tgt Ion:128 Resp: 144014

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

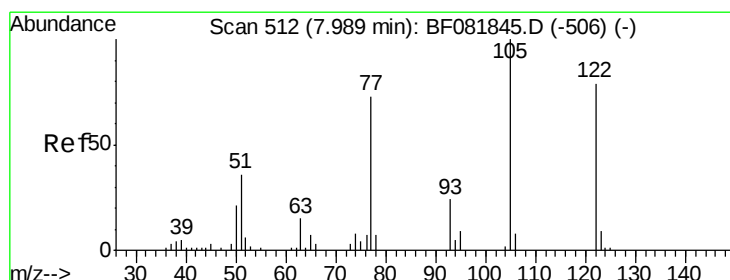
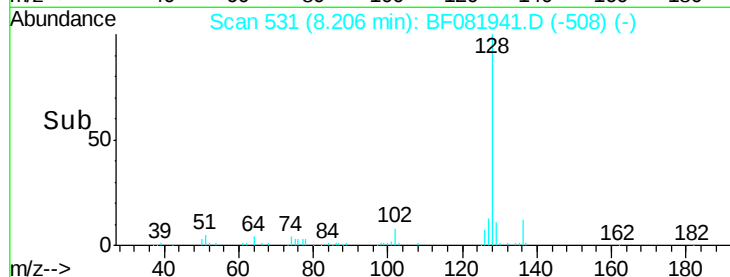
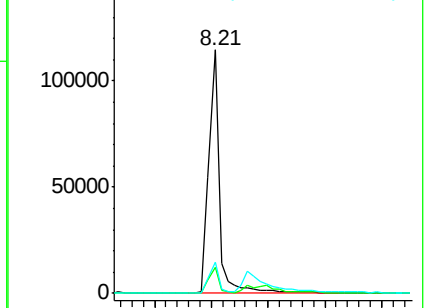
127 12.8 9.9 14.9



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: 16.92 ng

RT: 7.83 min Scan# 498

Delta R.T. -0.16 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

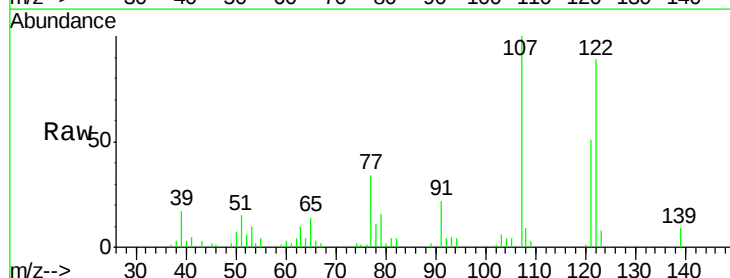
Tgt Ion:122 Resp: 44162

Ion Ratio Lower Upper

122 100

105 4.2 76.1 116.1#

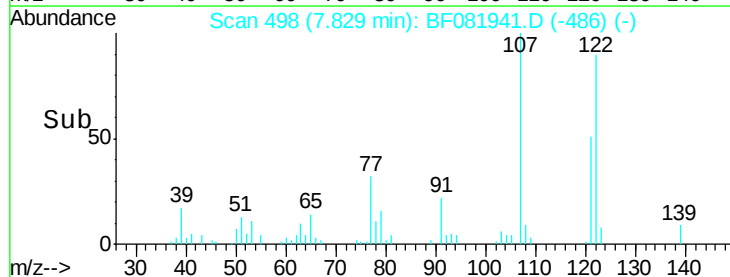
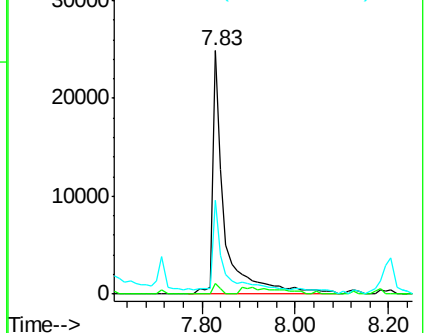
77 38.3 40.5 80.5#

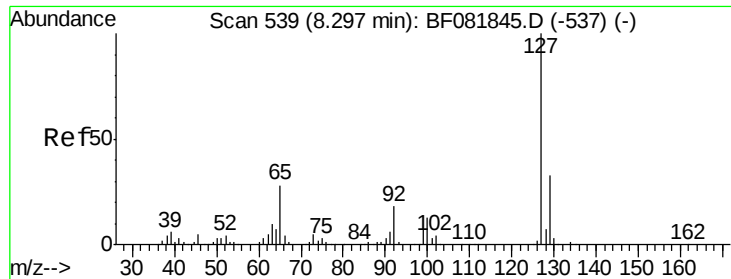


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

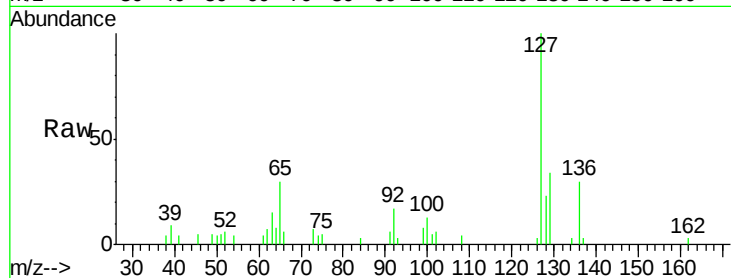




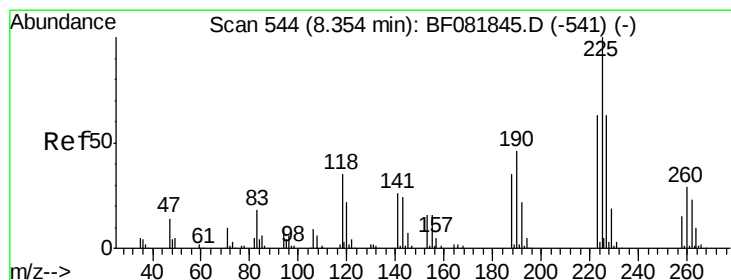
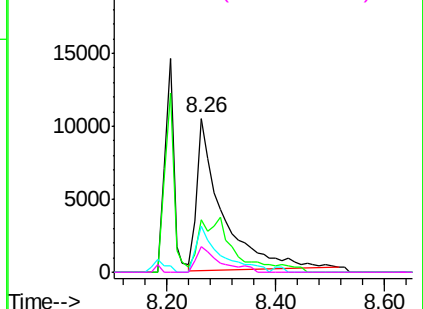
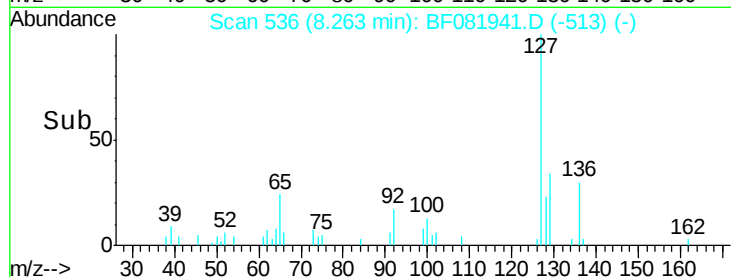
#33  
4-Chloroaniline  
Concen: 3.66 ng  
RT: 8.26 min Scan# 536  
Delta R.T. -0.03 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL2015-01

Tgt Ion:127 Resp: 33276  
Ion Ratio Lower Upper  
127 100  
129 33.9 25.8 38.6  
65 29.7 17.9 26.9#  
92 16.8 10.5 15.7#

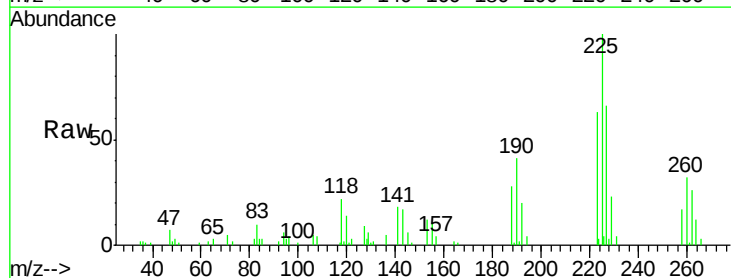


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0

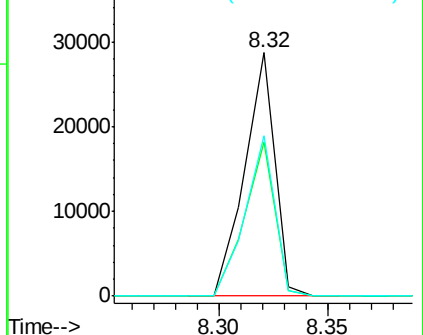
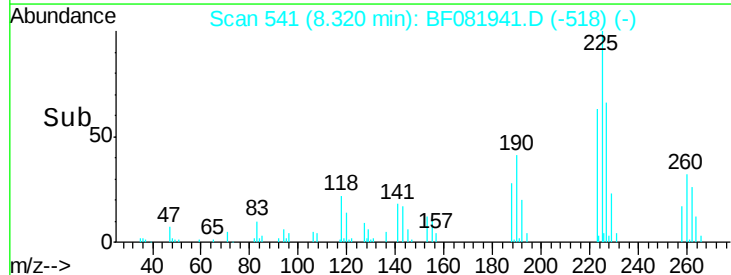


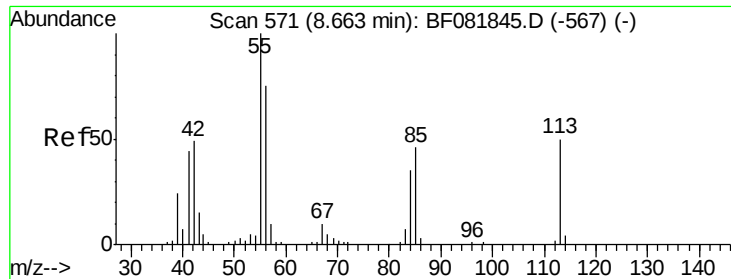
#34  
Hexachlorobutadiene  
Concen: 6.60 ng  
RT: 8.32 min Scan# 541  
Delta R.T. -0.03 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

Tgt Ion:225 Resp: 27591  
Ion Ratio Lower Upper  
225 100  
223 63.3 50.2 75.2  
227 65.7 52.2 78.2



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

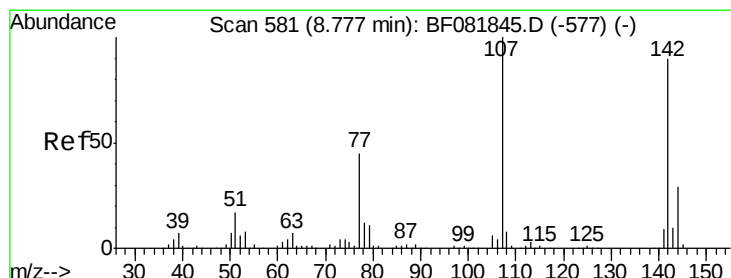
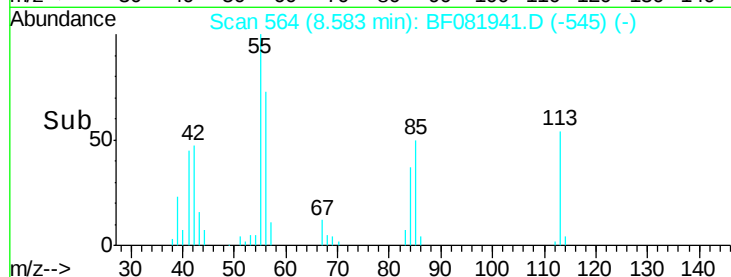
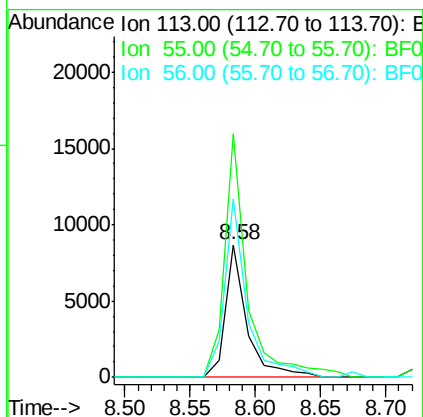
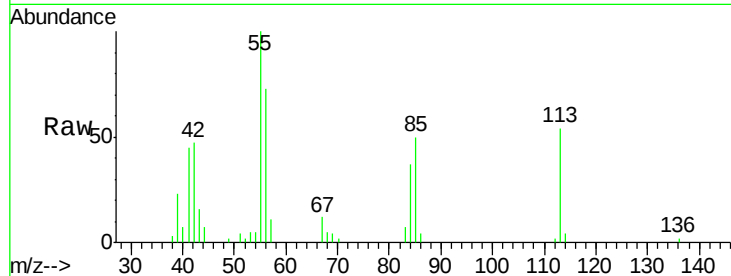




#35  
 Caprolactam  
 Concen: 5.70 ng  
 RT: 8.58 min Scan# 564  
 Delta R.T. -0.08 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

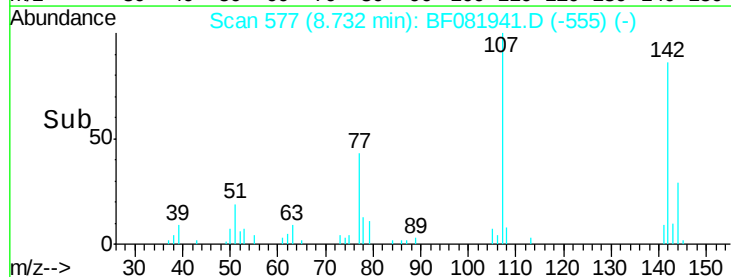
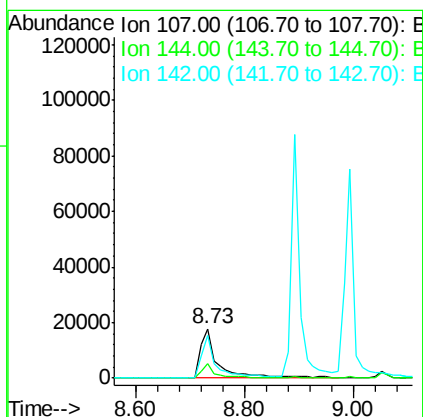
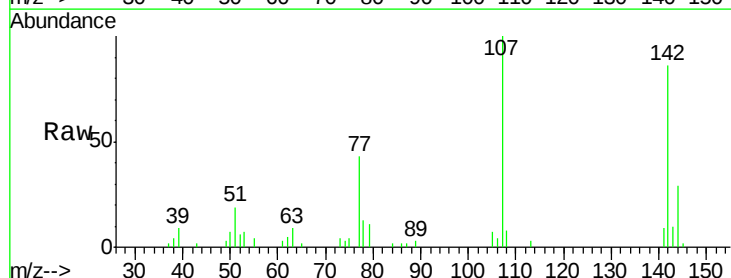
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

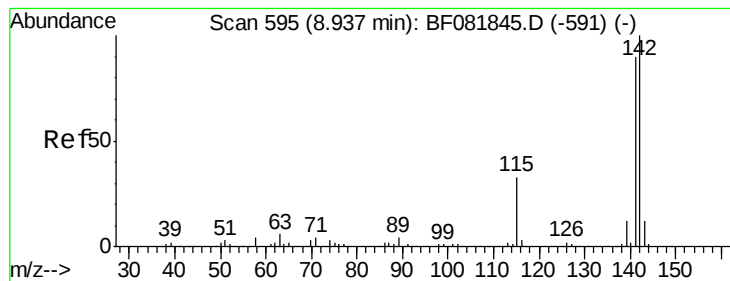
Tgt Ion:113 Resp: 9984  
 Ion Ratio Lower Upper  
 113 100  
 55 183.9 152.4 192.4  
 56 134.7 104.6 144.6



#36  
 4-Chloro-3-methylphenol  
 Concen: 6.23 ng  
 RT: 8.73 min Scan# 577  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Tgt Ion:107 Resp: 38565  
 Ion Ratio Lower Upper  
 107 100  
 144 28.8 25.4 38.0  
 142 85.8 77.3 115.9

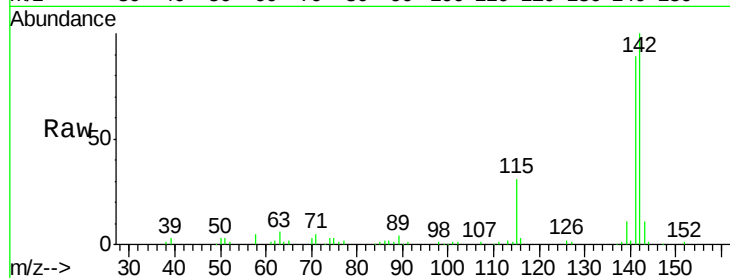




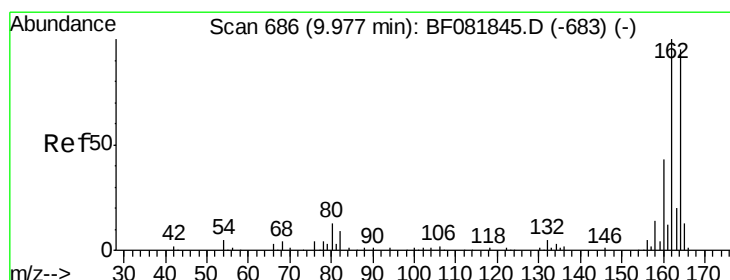
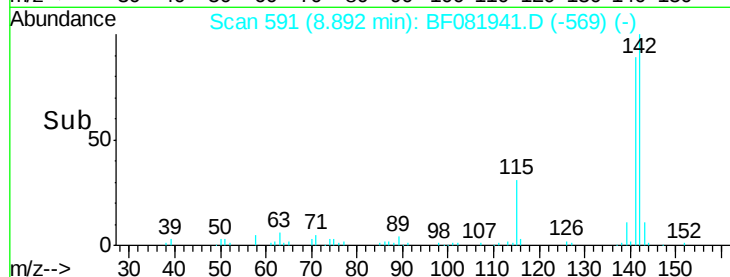
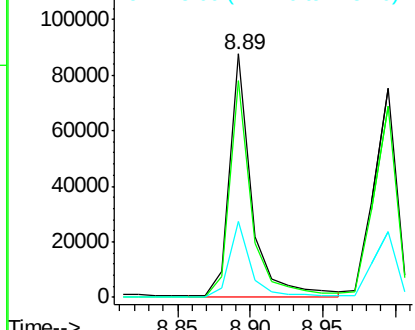
#37  
 2-Methylnaphthalene  
 Concen: 6.46 ng  
 RT: 8.89 min Scan# 591  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

Tgt Ion:142 Resp: 92799  
 Ion Ratio Lower Upper  
 142 100  
 141 89.3 67.5 101.3  
 115 31.4 18.2 27.2#

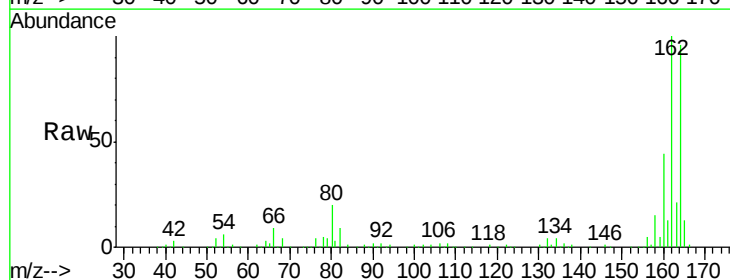


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

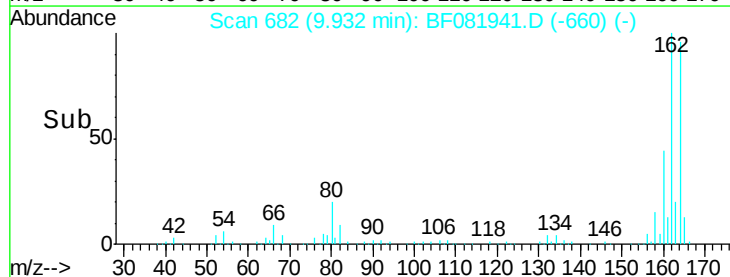
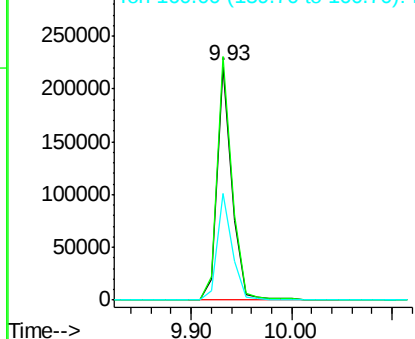


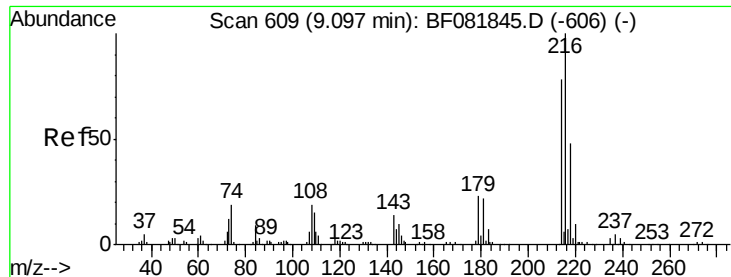
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.93 min Scan# 682  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Tgt Ion:164 Resp: 227578  
 Ion Ratio Lower Upper  
 164 100  
 162 104.1 75.2 112.8  
 160 45.8 31.5 47.3



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 6.31 ng

RT: 9.05 min Scan# 605

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

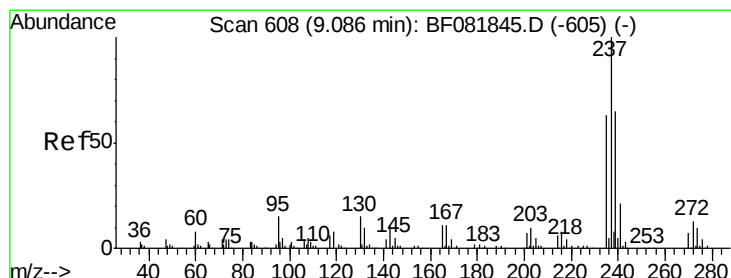
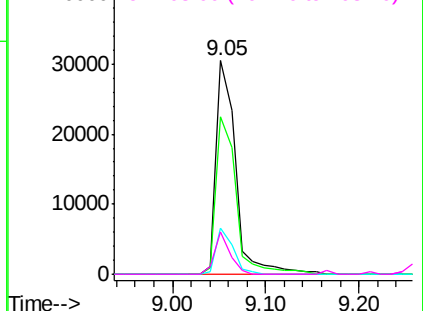
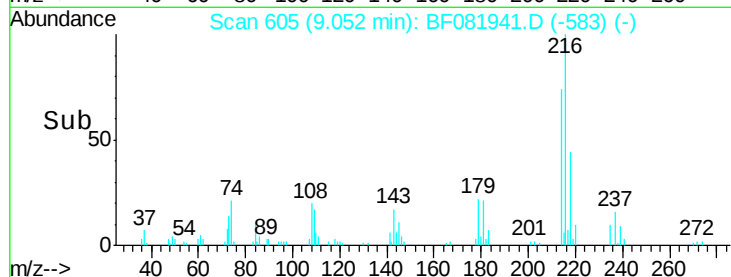
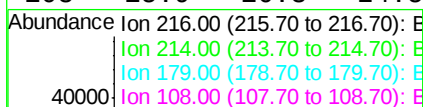
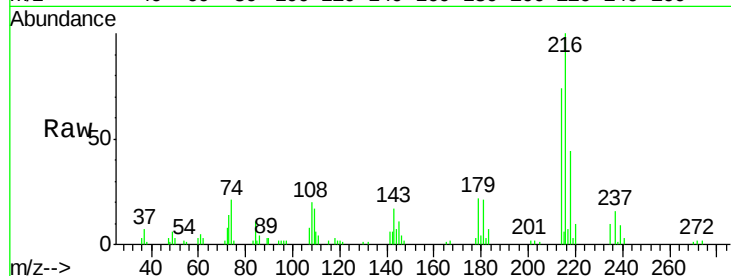
Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 216   | Resp: | 44099 |
| Ion      | Ratio | Lower | Upper |
| 216      | 100   |       |       |
| 214      | 75.9  | 63.5  | 95.3  |
| 179      | 18.8  | 16.6  | 24.8  |
| 108      | 15.9  | 16.3  | 24.5# |



#40

Hexachlorocyclopentadiene

Concen: 5.48 ng

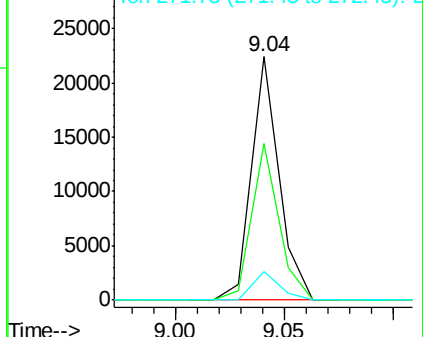
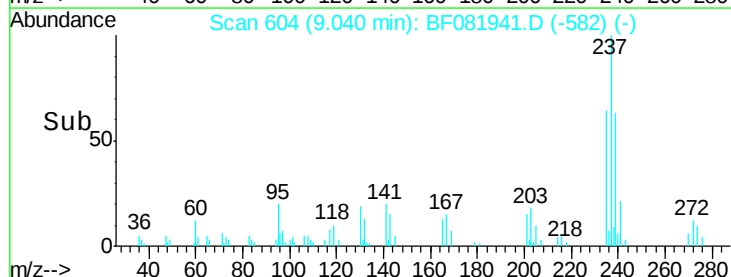
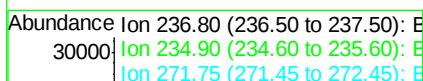
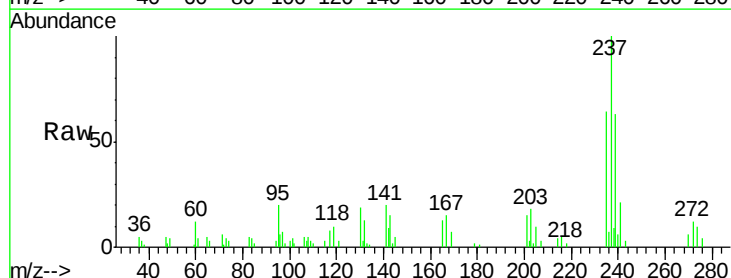
RT: 9.04 min Scan# 604

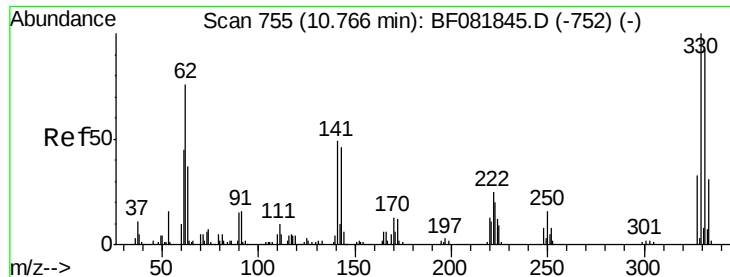
Delta R.T. -0.04 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 19719 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 64.4  | 42.0  | 82.0  |
| 272      | 11.8  | 0.0   | 36.1  |

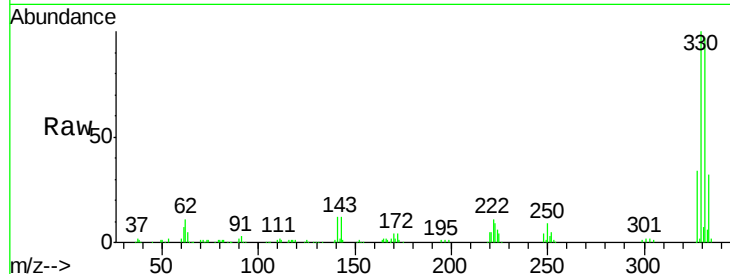




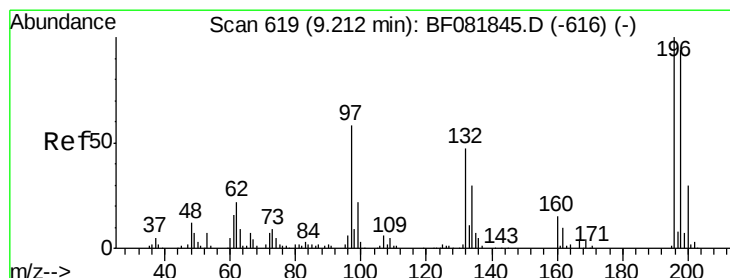
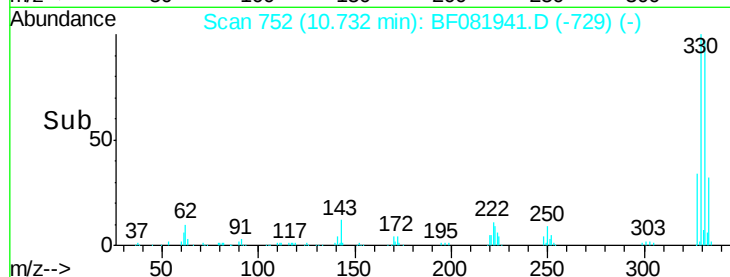
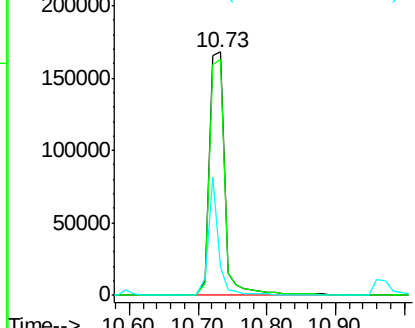
#41  
 2,4,6-Tribromophenol  
 Concen: 116.26 ng  
 RT: 10.73 min Scan# 752  
 Delta R.T. -0.03 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

Tgt Ion:330 Resp: 267952  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 76.6 114.8  
 141 32.8 29.7 44.5

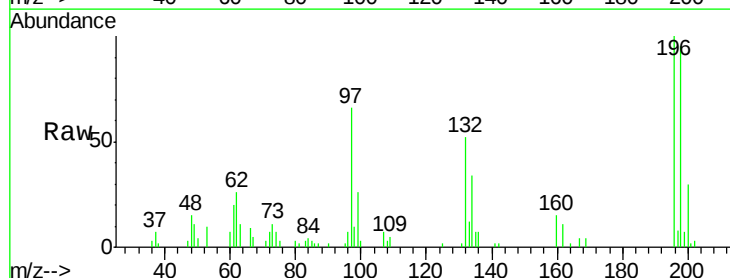


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

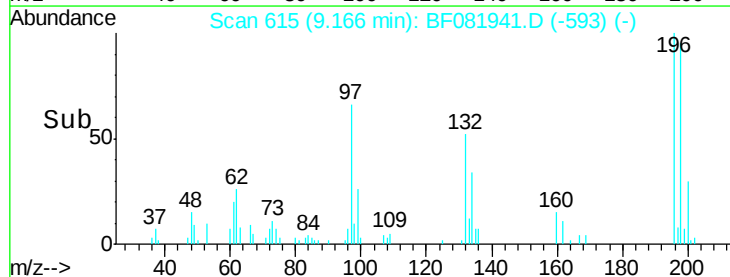
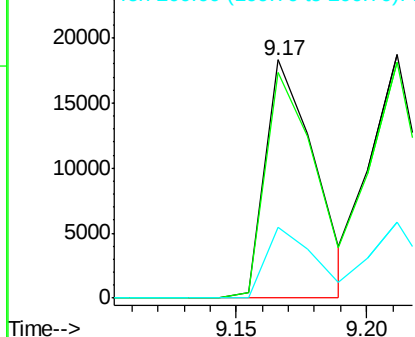


#42  
 2,4,6-Trichlorophenol  
 Concen: 5.06 ng  
 RT: 9.17 min Scan# 615  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Tgt Ion:196 Resp: 24218  
 Ion Ratio Lower Upper  
 196 100  
 198 94.6 75.7 113.5  
 200 29.9 23.9 35.9



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

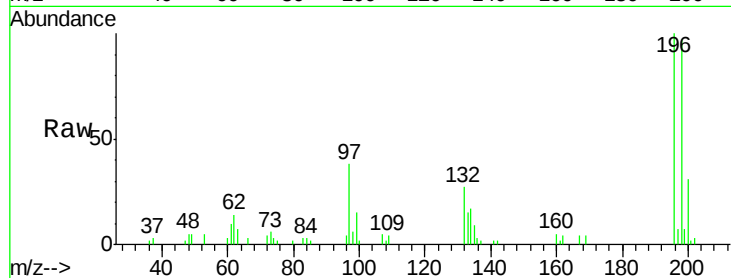




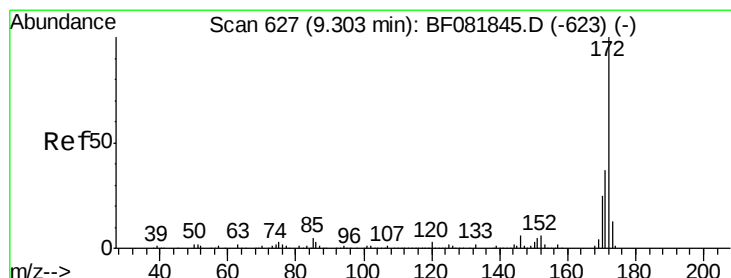
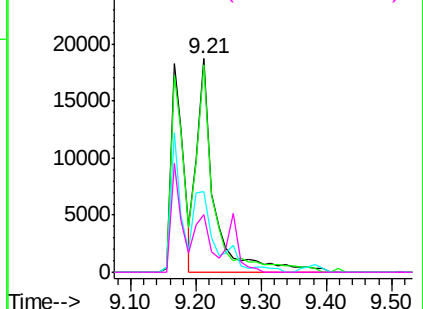
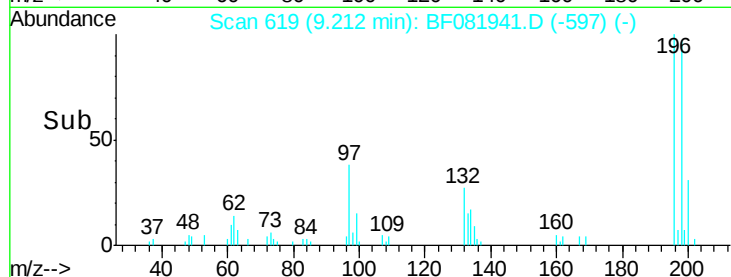
#43  
 2,4,5-Trichlorophenol  
 Concen: 7.01 ng  
 RT: 9.21 min Scan# 619  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

Tgt Ion:196 Resp: 34551  
 Ion Ratio Lower Upper  
 196 100  
 198 96.9 75.4 113.0  
 97 37.7 33.3 49.9  
 132 26.7 24.6 37.0

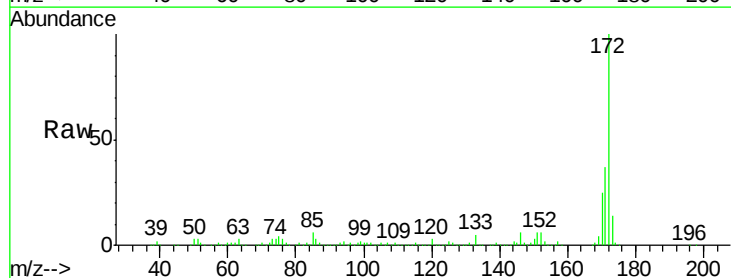


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

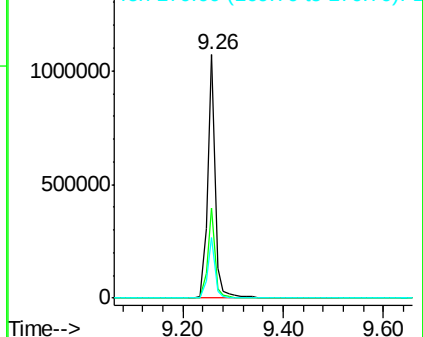
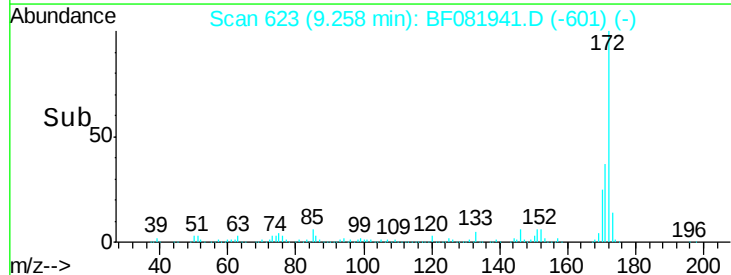


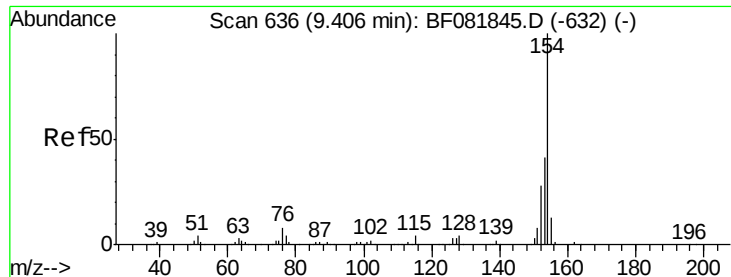
#44  
 2-Fluorobiphenyl  
 Concen: 81.75 ng  
 RT: 9.26 min Scan# 623  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Tgt Ion:172 Resp: 1120097  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 26.1 39.1  
 170 25.1 17.4 26.2



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

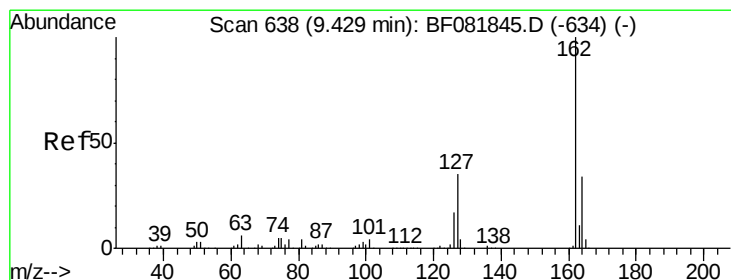
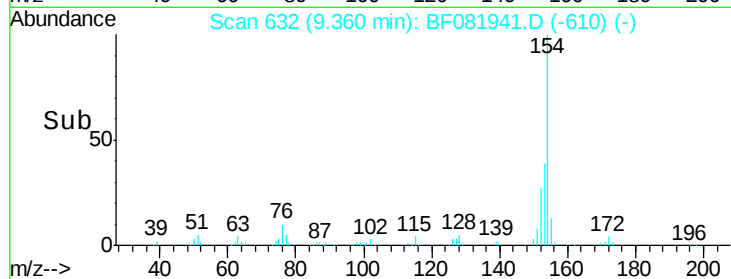
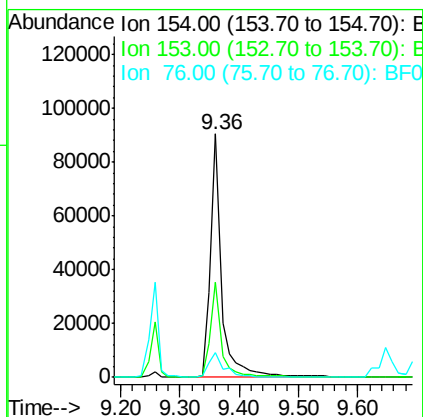
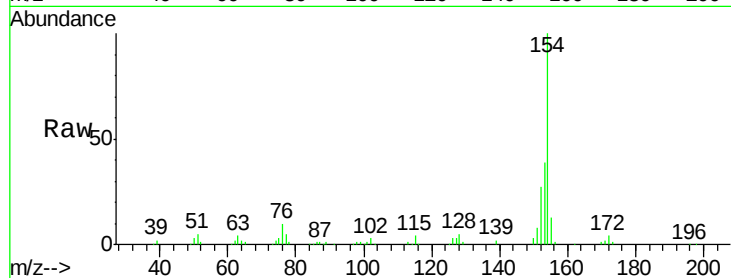




#45  
 1,1'-Biphenyl  
 Concen: 6.76 ng  
 RT: 9.36 min Scan# 632  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

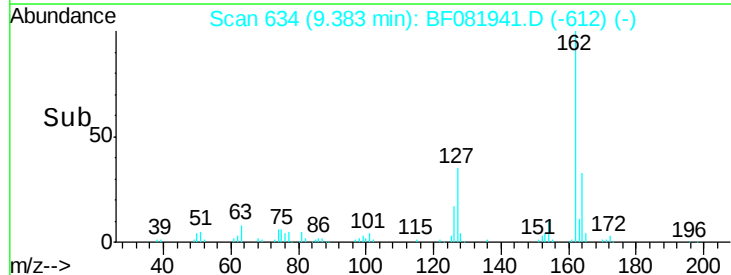
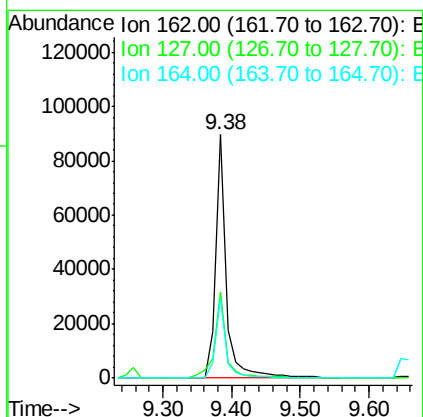
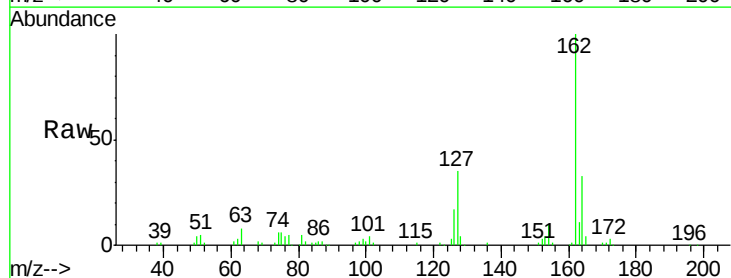
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

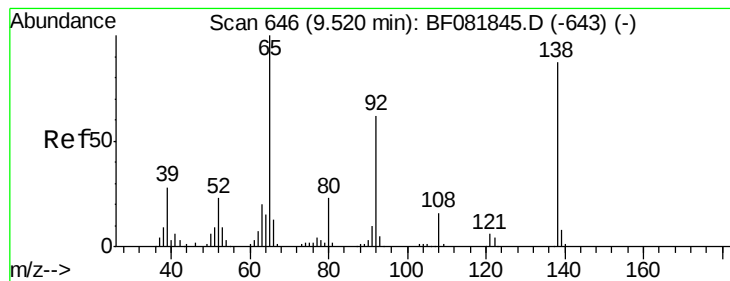
Tgt Ion:154 Resp: 118650  
 Ion Ratio Lower Upper  
 154 100  
 153 39.3 17.1 57.1  
 76 10.0 0.0 31.6



#46  
 2-Chloronaphthalene  
 Concen: 7.18 ng  
 RT: 9.38 min Scan# 634  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Tgt Ion:162 Resp: 99015  
 Ion Ratio Lower Upper  
 162 100  
 127 35.5 27.6 41.4  
 164 32.6 25.4 38.2





#47

2-Nitroaniline

Concen: 5.67 ng

RT: 9.49 min Scan# 643

Delta R.T. -0.03 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

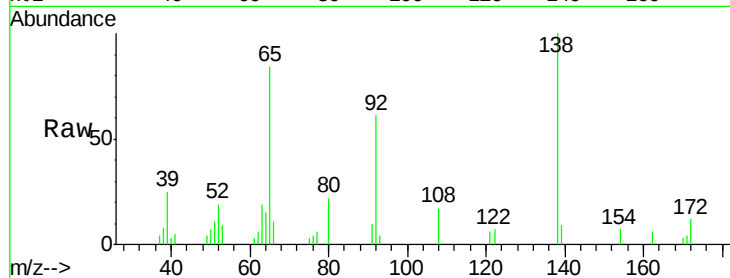
Tgt Ion: 65 Resp: 22929

Ion Ratio Lower Upper

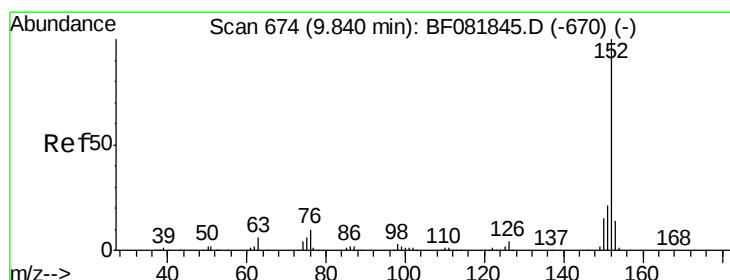
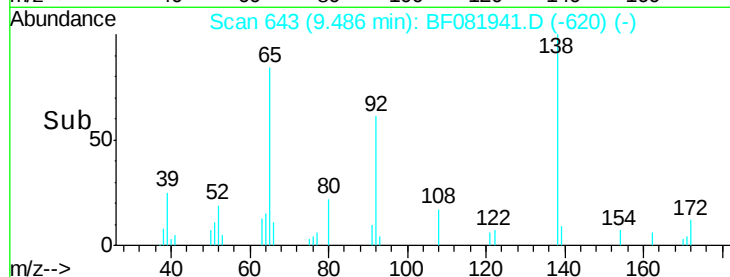
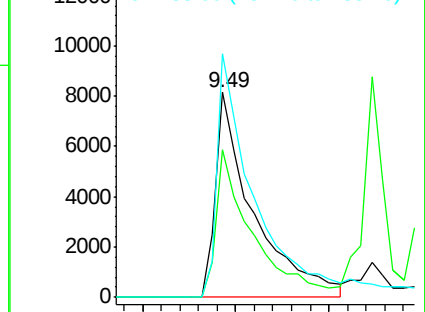
65 100

92 72.3 55.4 83.0

138 118.9 115.5 173.3



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: 7.15 ng

RT: 9.79 min Scan# 670

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

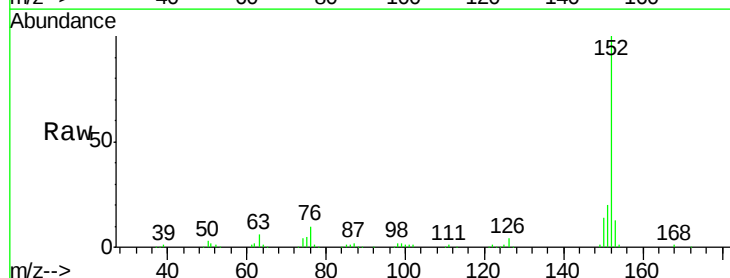
Tgt Ion: 152 Resp: 157818

Ion Ratio Lower Upper

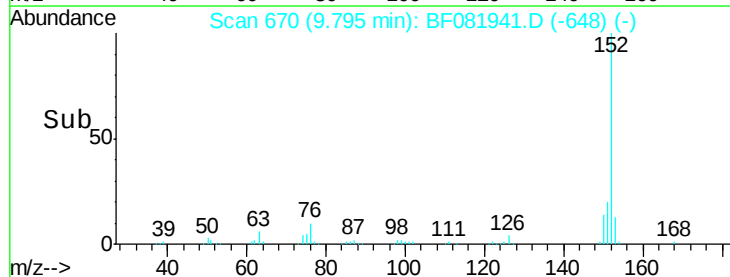
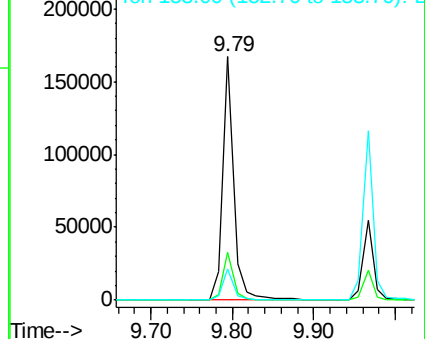
152 100

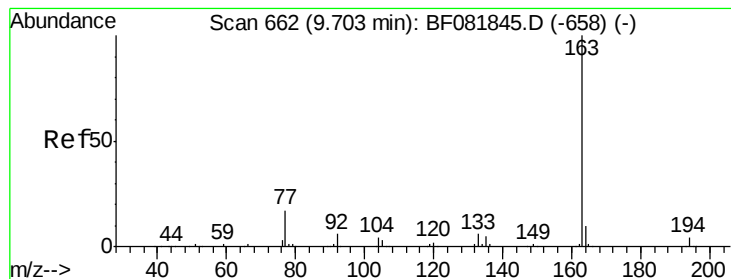
151 19.5 14.6 22.0

153 12.9 10.3 15.5



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: 6.62 ng

RT: 9.66 min Scan# 658

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

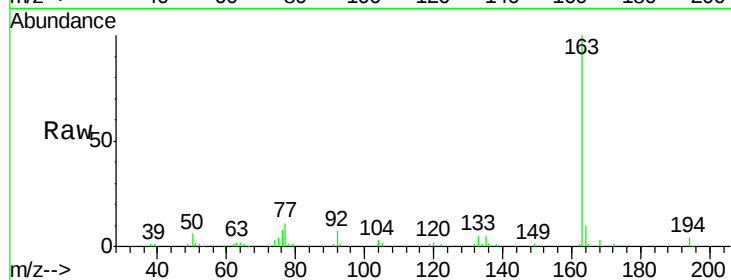
Tgt Ion:163 Resp: 103928

Ion Ratio Lower Upper

163 100

194 4.0 4.4 6.6#

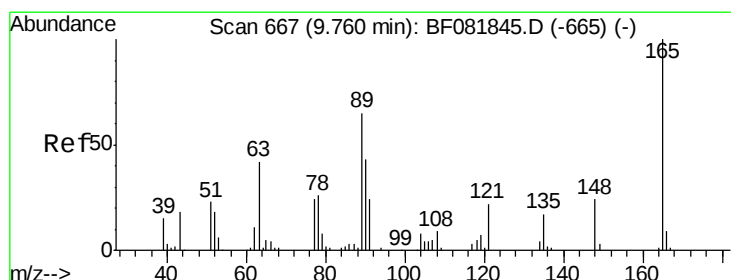
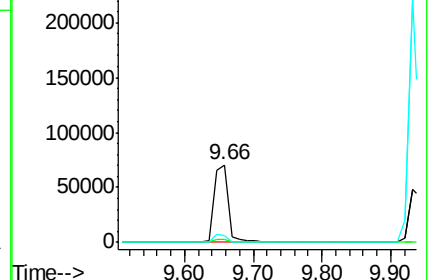
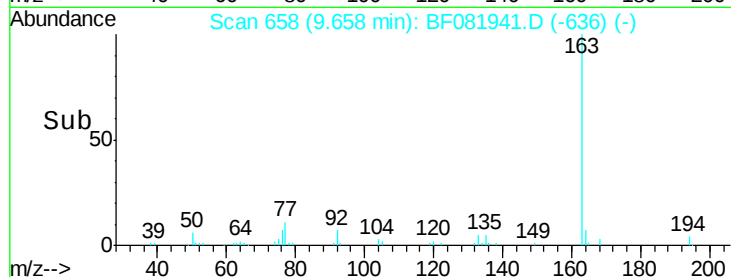
164 9.6 8.3 12.5



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: 6.33 ng

RT: 9.71 min Scan# 663

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

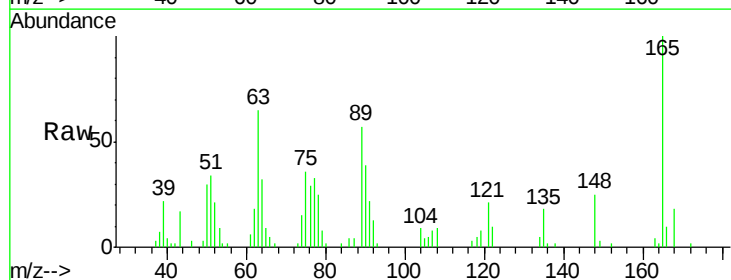
Tgt Ion:165 Resp: 21586

Ion Ratio Lower Upper

165 100

63 64.9 32.3 48.5#

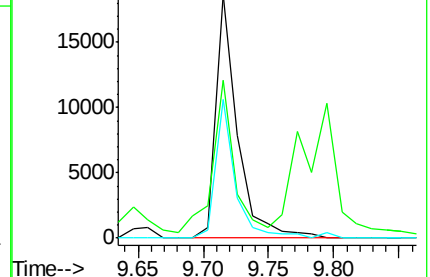
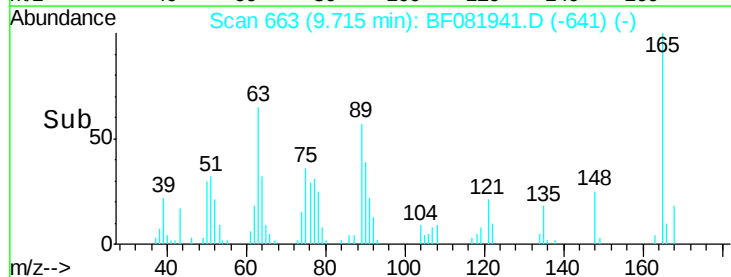
89 56.8 28.6 43.0#

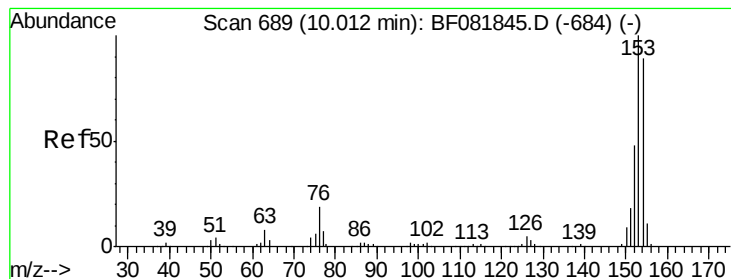


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 7.07 ng

RT: 9.97 min Scan# 685

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

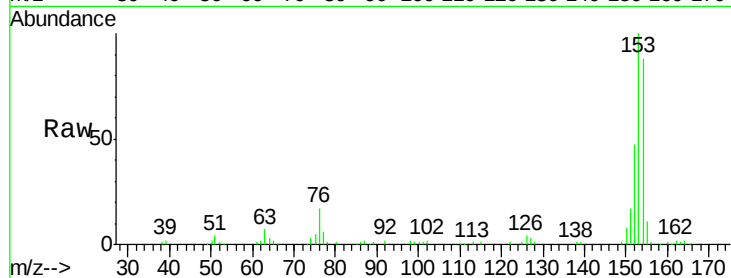
Tgt Ion:154 Resp: 92686

Ion Ratio Lower Upper

154 100

153 113.5 82.1 123.1

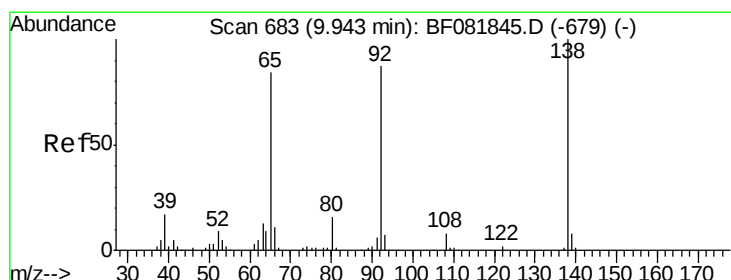
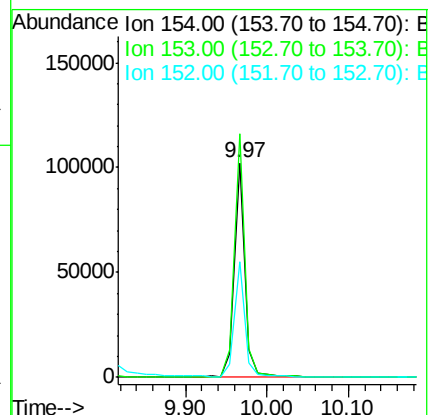
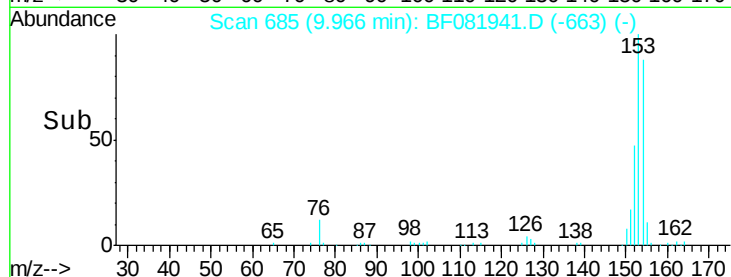
152 53.6 37.9 56.9



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: 5.62 ng

RT: 9.90 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

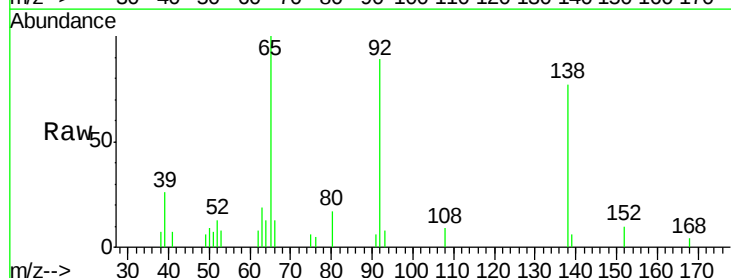
Tgt Ion:138 Resp: 22158

Ion Ratio Lower Upper

138 100

108 11.8 5.7 8.5#

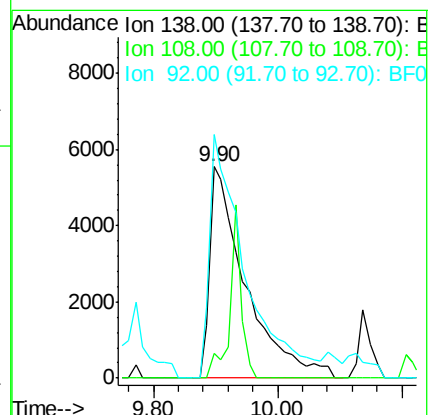
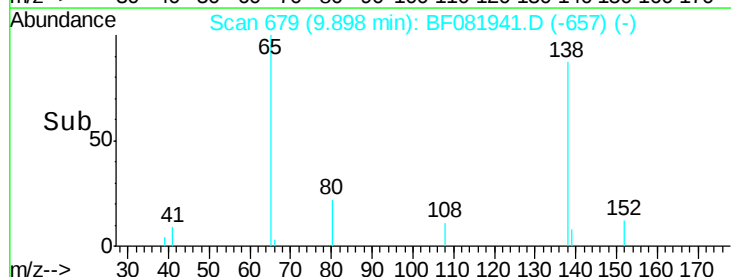
92 115.2 67.7 101.5#

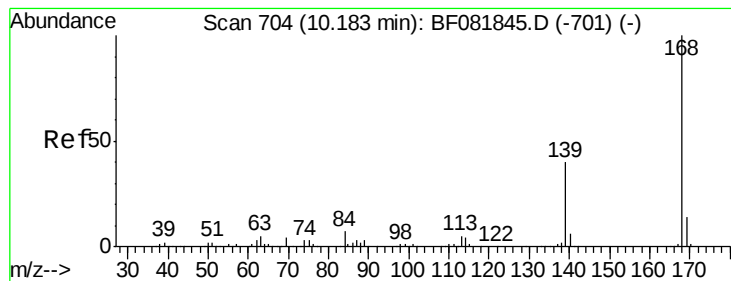


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#54

Dibenzenofuran

Concen: 7.14 ng

RT: 10.14 min Scan# 700

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

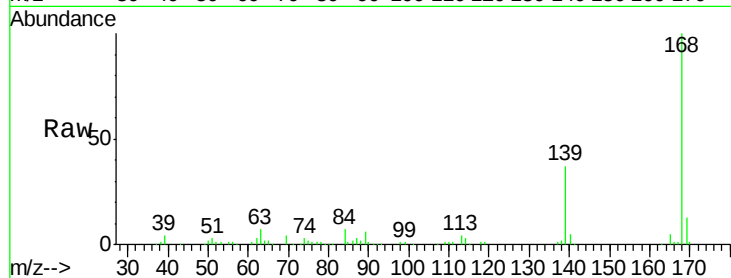
Tgt Ion:168 Resp: 132286

Ion Ratio Lower Upper

168 100

139 37.4 24.2 36.2#

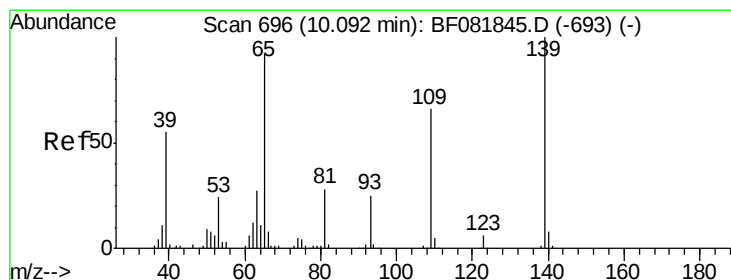
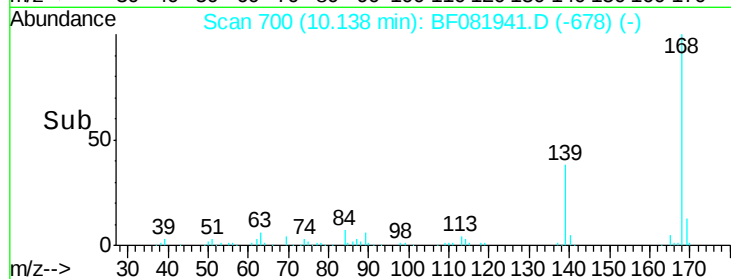
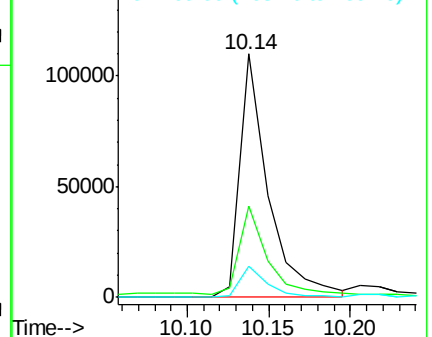
169 12.8 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 2.25 ng

RT: 10.08 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

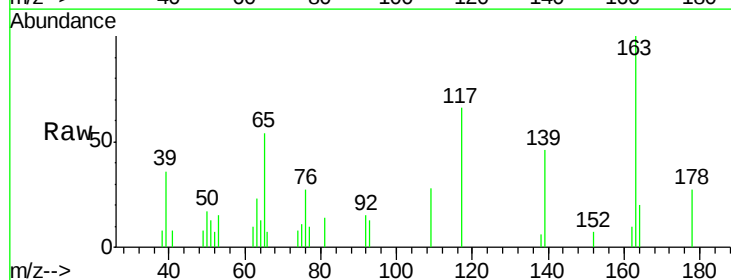
Tgt Ion:139 Resp: 6403

Ion Ratio Lower Upper

139 100

109 61.2 12.7 52.7#

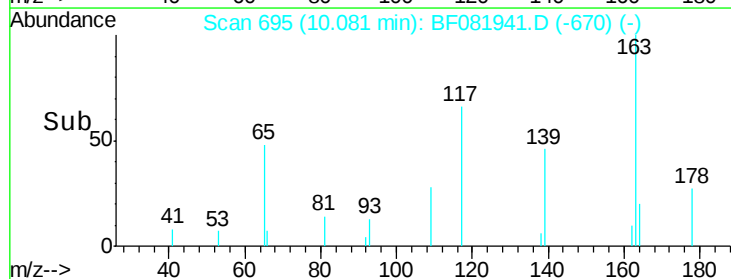
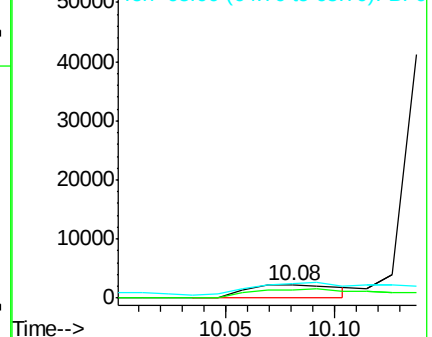
65 117.9 45.9 85.9#

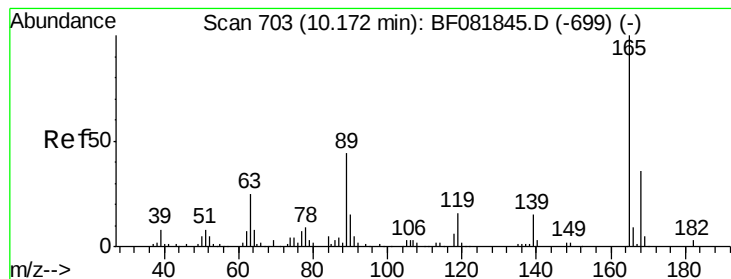


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.30 ng

RT: 10.13 min Scan# 699

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:165 Resp: 27378

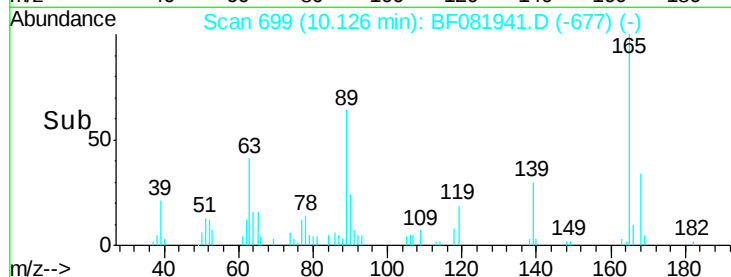
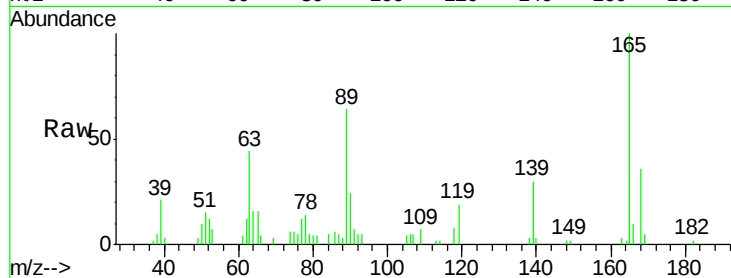
Ion Ratio Lower Upper

165 100

63 43.6 29.8 44.6

89 63.7 44.5 66.7

182 2.4 3.0 4.4#

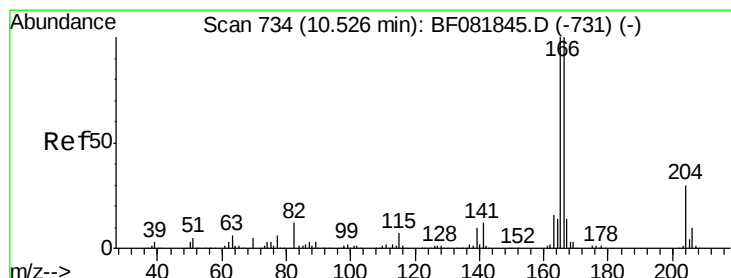
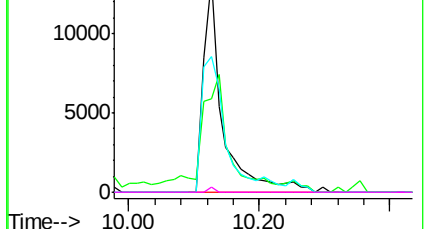


Abundance Ion 165.00 (164.70 to 165.70): E

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: 6.43 ng

RT: 10.48 min Scan# 730

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

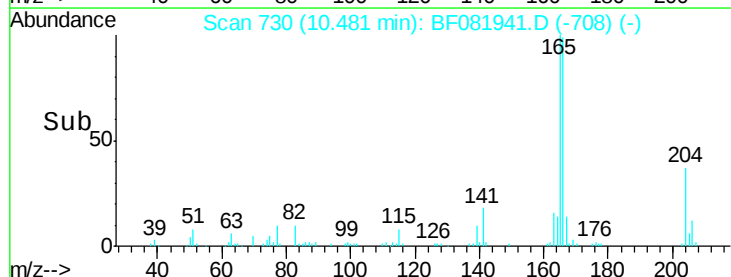
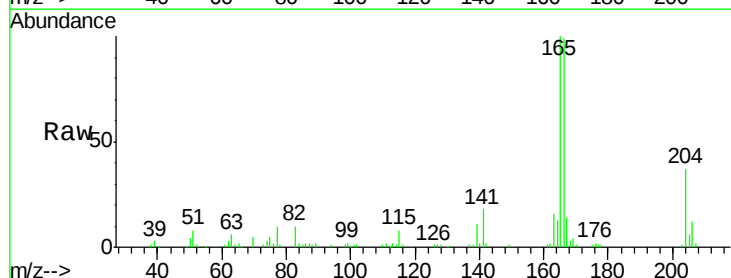
Tgt Ion:166 Resp: 109365

Ion Ratio Lower Upper

166 100

165 100.7 72.6 109.0

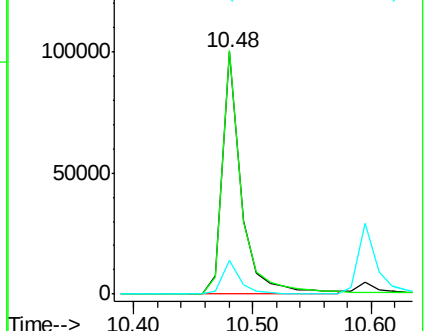
167 13.7 10.6 16.0

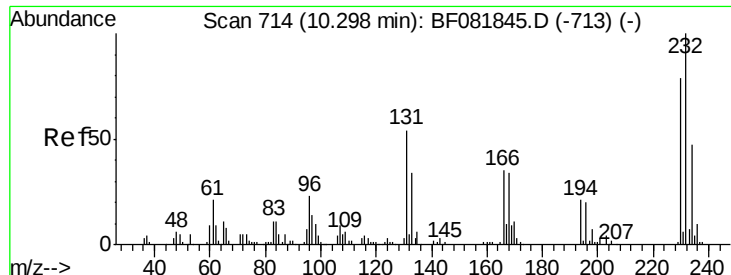


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

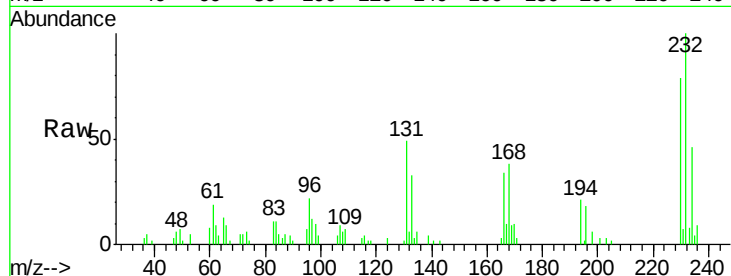




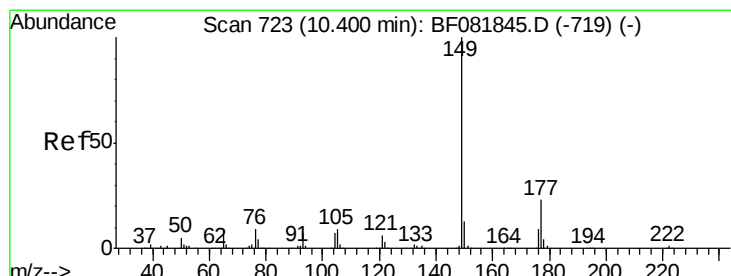
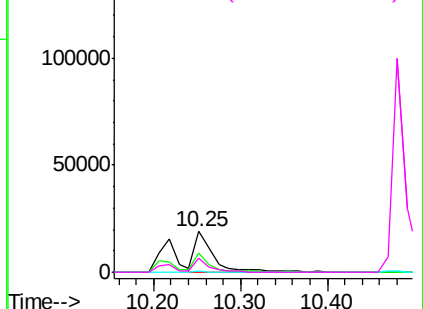
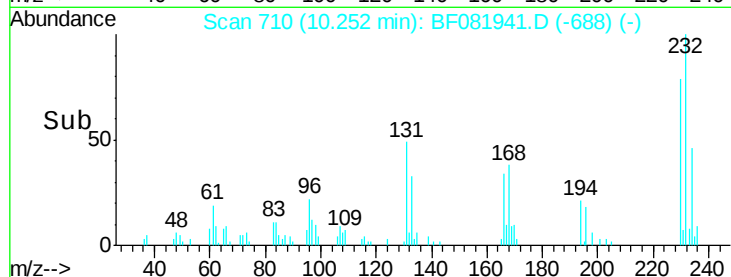
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 7.30 ng  
 RT: 10.25 min Scan# 710  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

Tgt Ion:232 Resp: 28529  
 Ion Ratio Lower Upper  
 232 100  
 131 38.7 38.5 57.7  
 130 1.0 1.8 2.6#  
 166 26.7 25.0 37.6

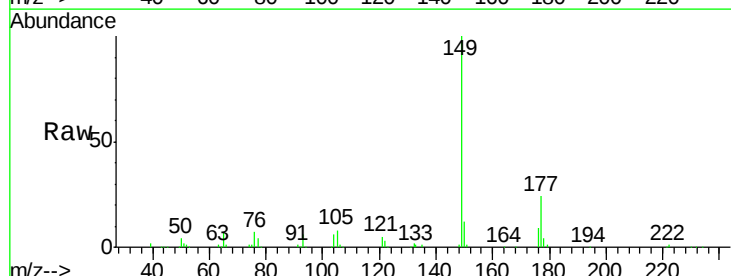


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

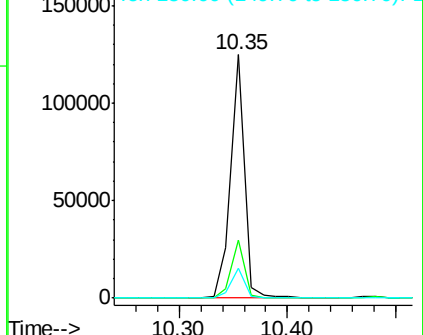
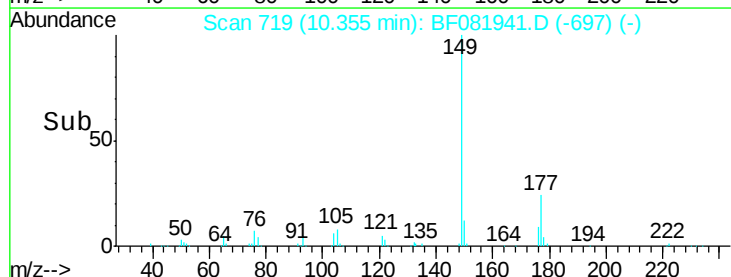


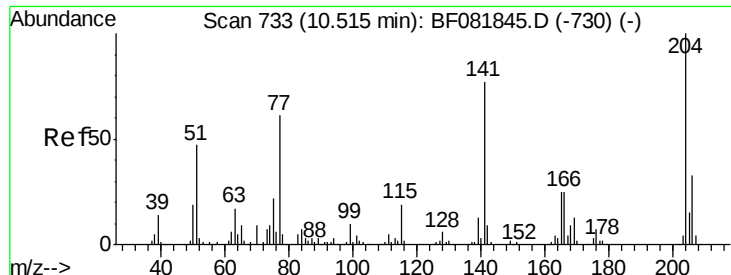
#59  
 Diethylphthalate  
 Concen: 7.54 ng  
 RT: 10.35 min Scan# 719  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Tgt Ion:149 Resp: 110629  
 Ion Ratio Lower Upper  
 149 100  
 177 23.7 17.5 26.3  
 150 12.4 9.4 14.2



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

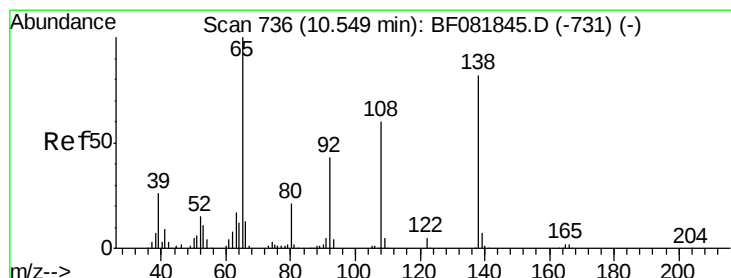
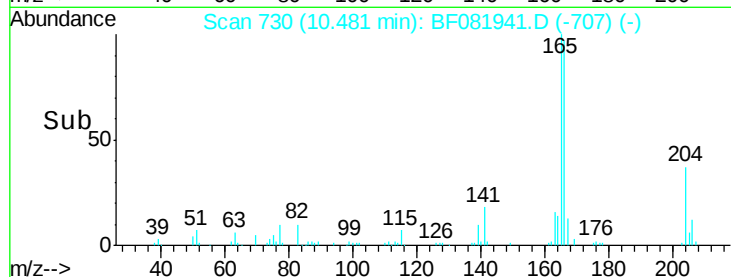
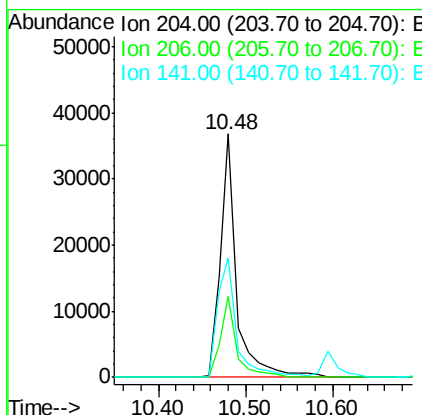
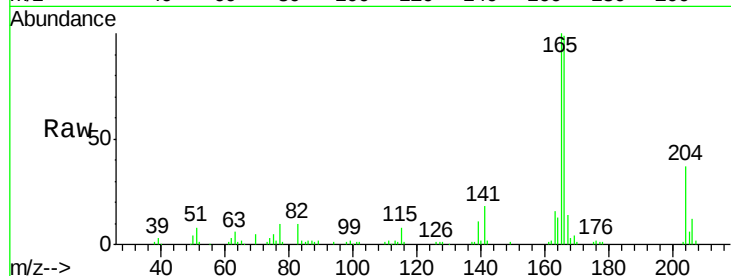




#60  
 4-Chlorophenyl-phenylether  
 Concen: 7.12 ng  
 RT: 10.48 min Scan# 730  
 Delta R.T. -0.03 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

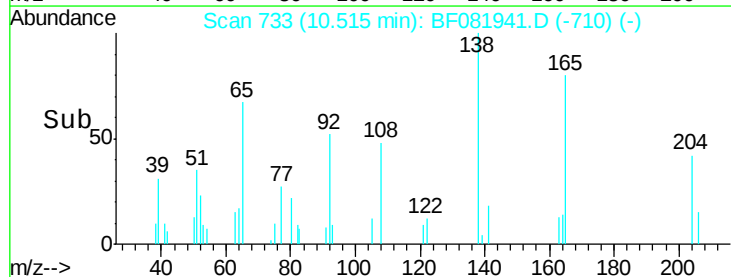
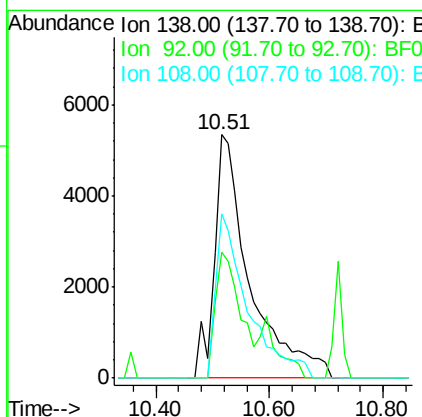
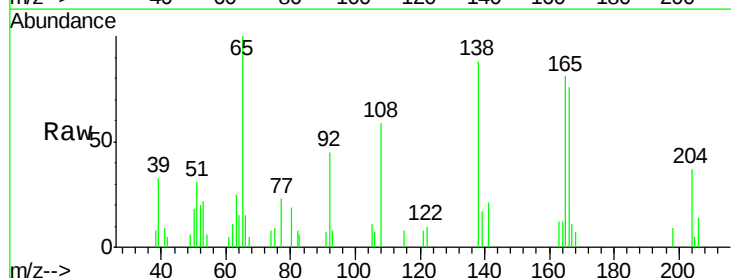
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

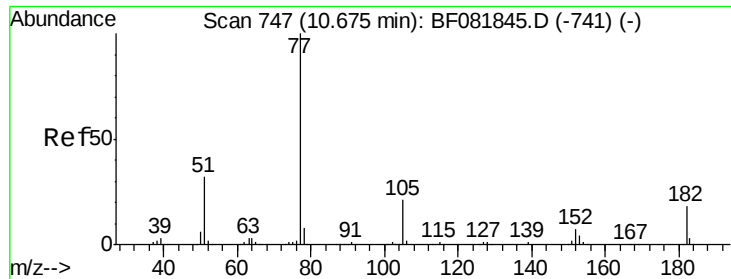
Tgt Ion: 204 Resp: 48265  
 Ion Ratio Lower Upper  
 204 100  
 206 33.5 24.8 37.2  
 141 49.0 42.2 63.4



#61  
 4-Nitroaniline  
 Concen: 5.88 ng  
 RT: 10.51 min Scan# 733  
 Delta R.T. -0.03 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Tgt Ion: 138 Resp: 23272  
 Ion Ratio Lower Upper  
 138 100  
 92 51.6 12.6 52.6  
 108 67.7 12.4 52.4#





#62

Azobenzene

Concen: 7.57 ng

RT: 10.64 min Scan# 744

Delta R.T. -0.03 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 77 Resp: 108352

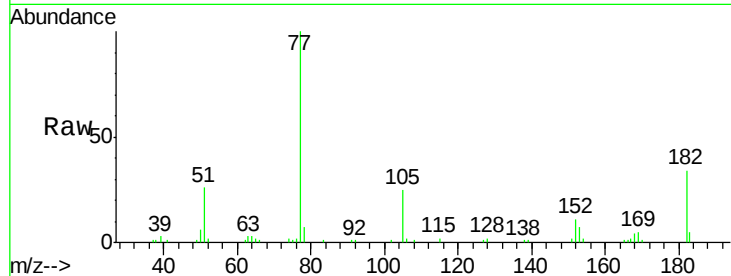
Ion Ratio Lower Upper

77 100

182 34.4 15.1 55.1

105 25.2 3.4 43.4

51 26.0 12.0 52.0

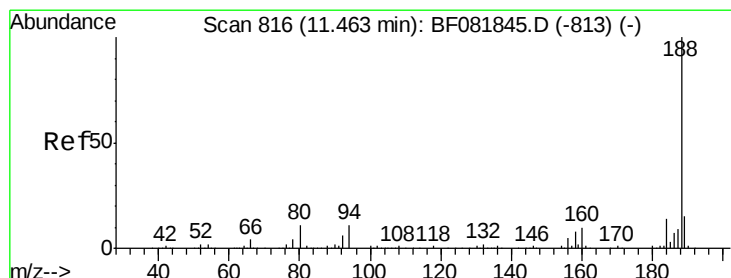
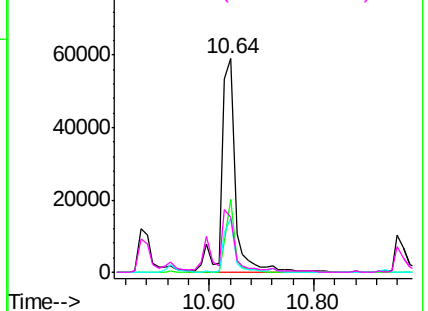
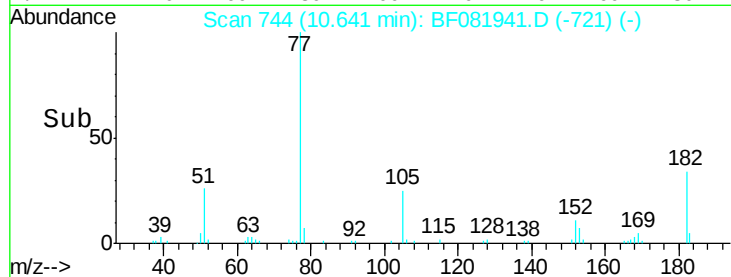


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 812

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

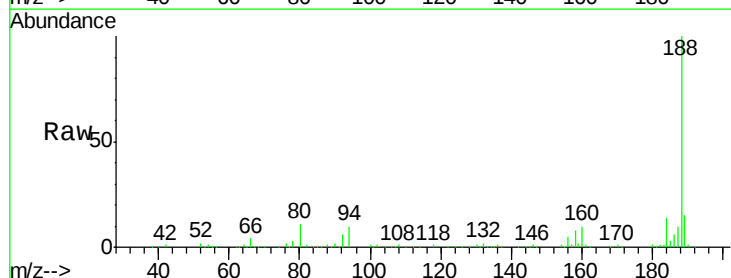
Tgt Ion: 188 Resp: 461232

Ion Ratio Lower Upper

188 100

94 9.9 11.1 16.7#

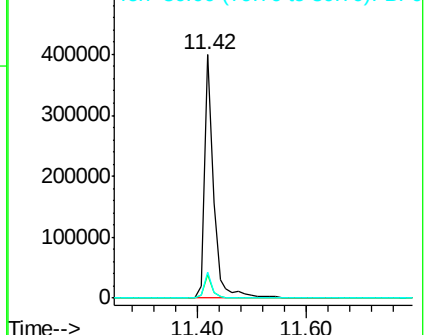
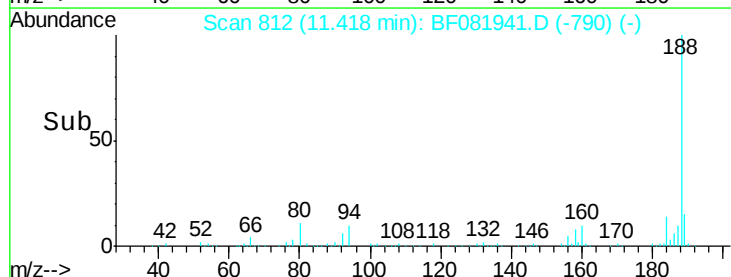
80 10.7 11.0 16.4#

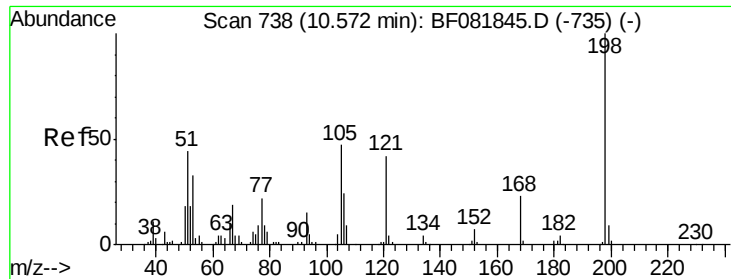


Abundance Ion 188.00 (187.70 to 188.70): BF0

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: 4.87 ng

RT: 10.53 min Scan# 734

Delta R.T. -0.04 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

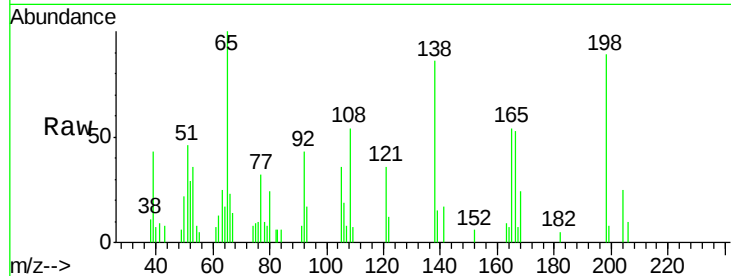
Tgt Ion:198 Resp: 6448

Ion Ratio Lower Upper

198 100

51 51.1 39.6 79.6

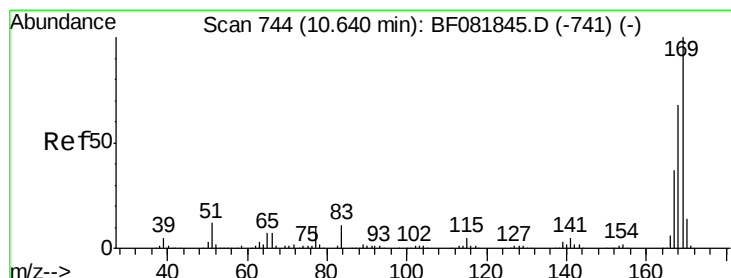
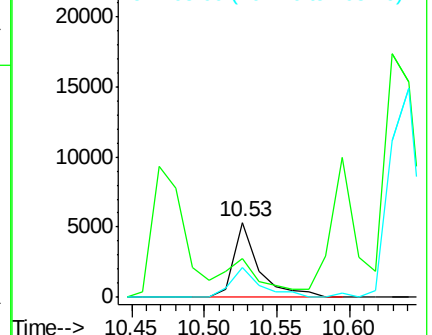
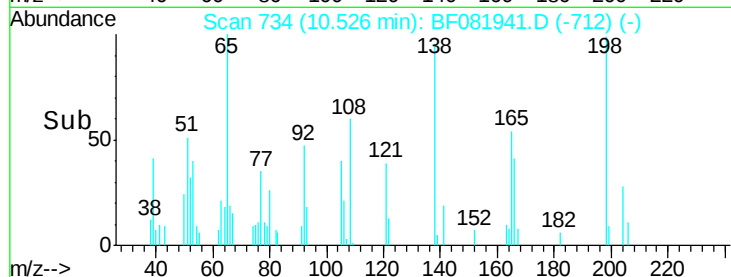
105 40.1 28.5 68.5



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: 6.66 ng

RT: 10.59 min Scan# 740

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

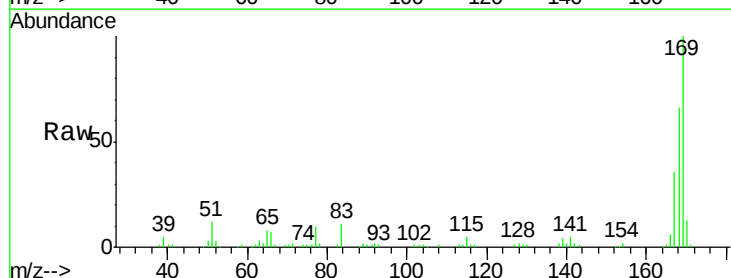
Tgt Ion:169 Resp: 92944

Ion Ratio Lower Upper

169 100

168 65.9 48.9 73.3

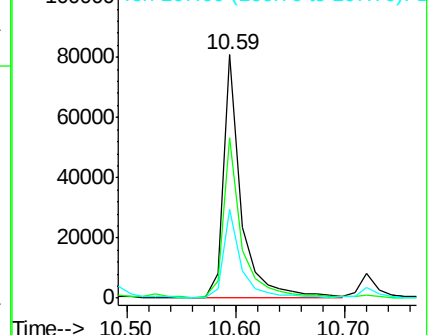
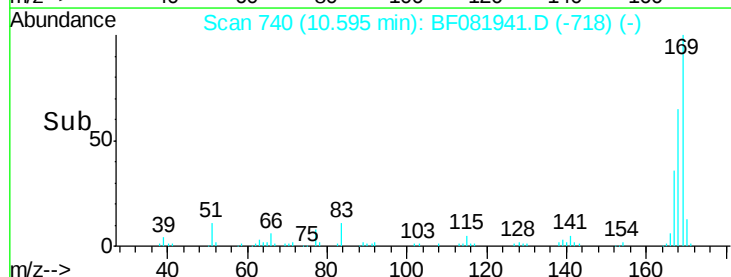
167 36.4 26.2 39.4

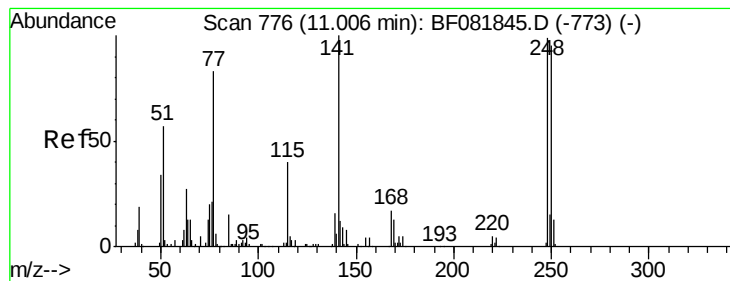


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 6.75 ng

RT: 10.97 min Scan# 773

Delta R.T. -0.03 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

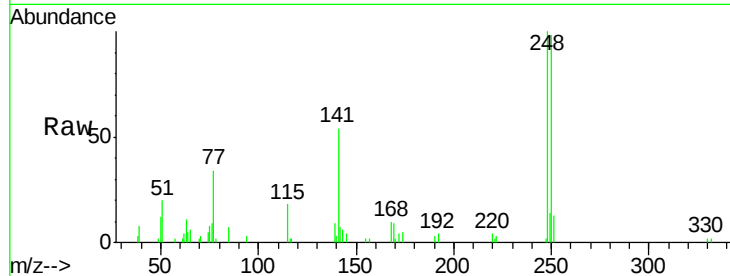
Tgt Ion:248 Resp: 31385

Ion Ratio Lower Upper

248 100

250 97.9 78.5 117.7

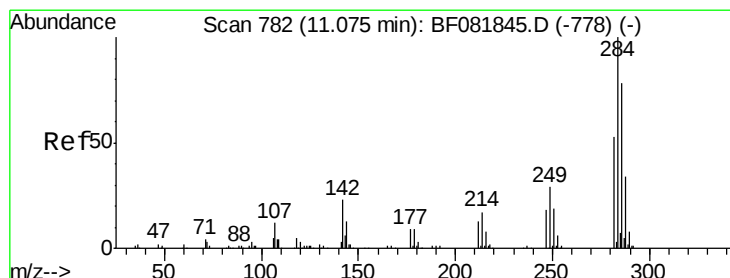
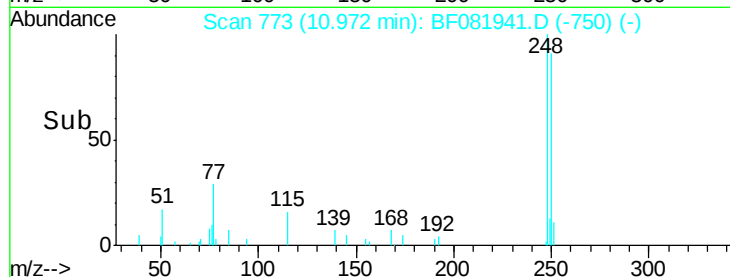
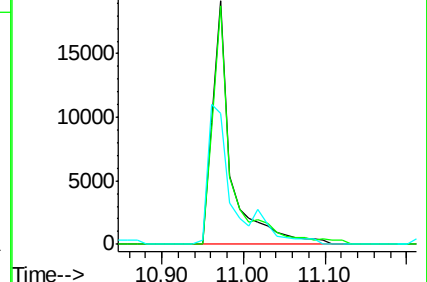
141 54.0 59.0 88.6#



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: 6.04 ng

RT: 11.03 min Scan# 778

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

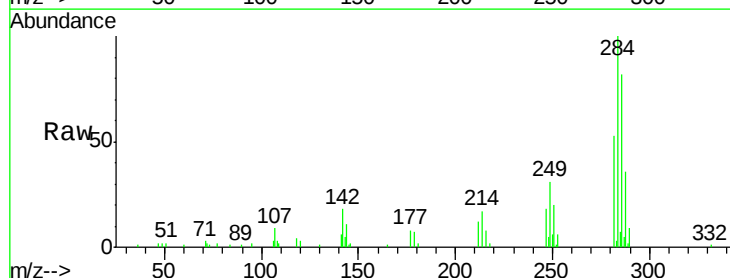
Tgt Ion:284 Resp: 31681

Ion Ratio Lower Upper

284 100

142 18.1 29.5 44.3#

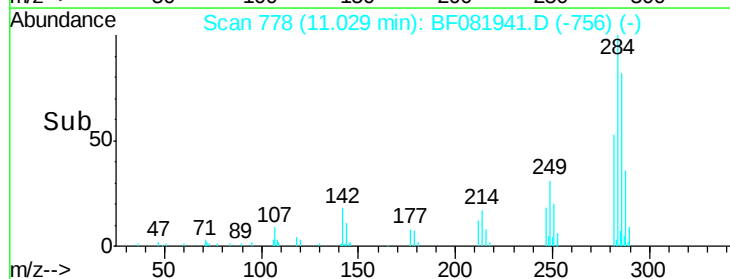
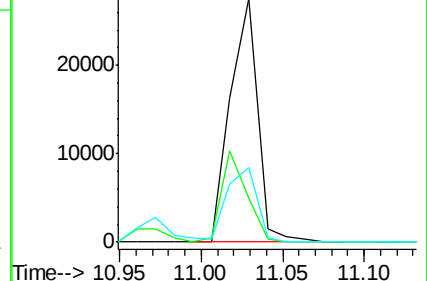
249 30.9 19.5 29.3#

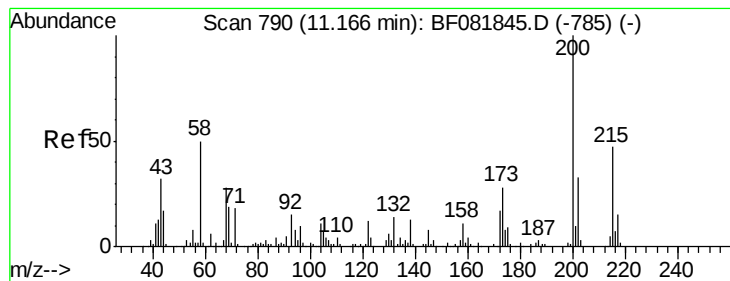


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#68

Atrazine

Concen: 6.06 ng

RT: 11.12 min Scan# 786

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

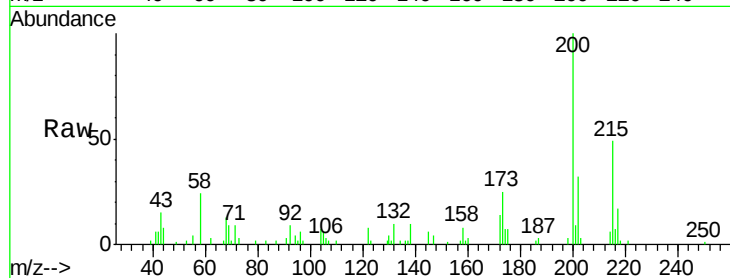
Tgt Ion:200 Resp: 26219

Ion Ratio Lower Upper

200 100

173 24.6 13.2 53.2

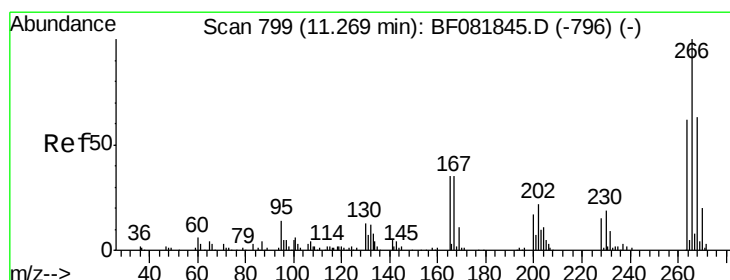
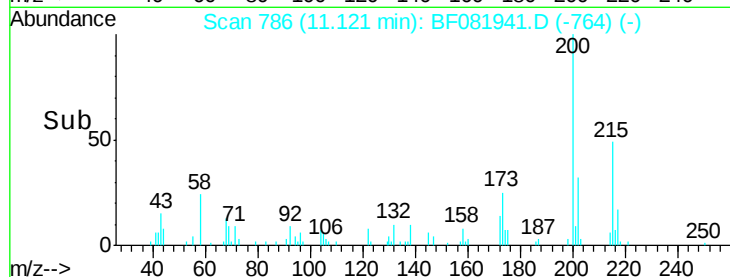
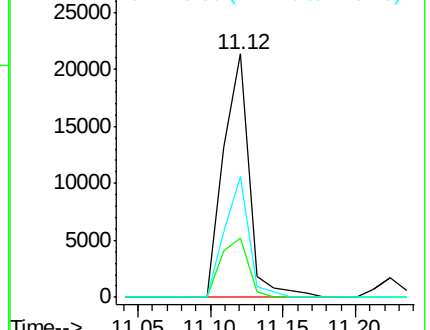
215 49.3 41.8 81.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 3.95 ng

RT: 11.22 min Scan# 795

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

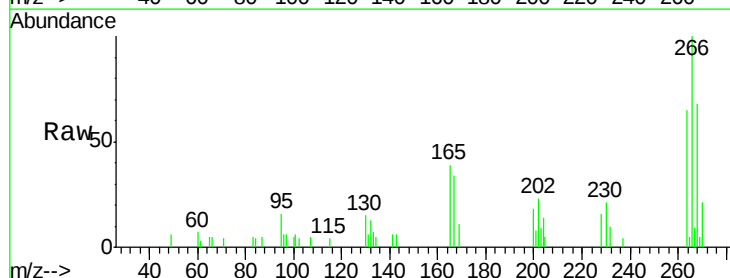
Tgt Ion:266 Resp: 11812

Ion Ratio Lower Upper

266 100

268 67.5 49.8 74.6

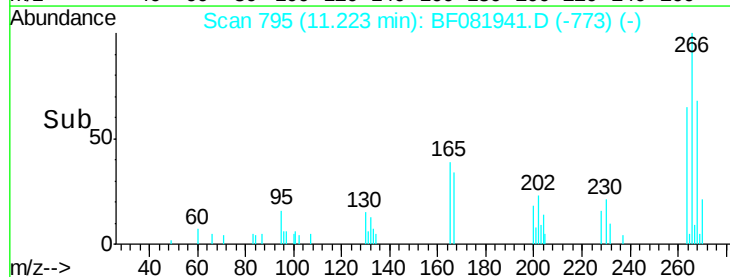
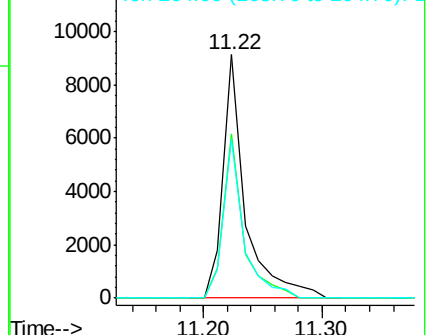
264 65.2 50.2 75.2

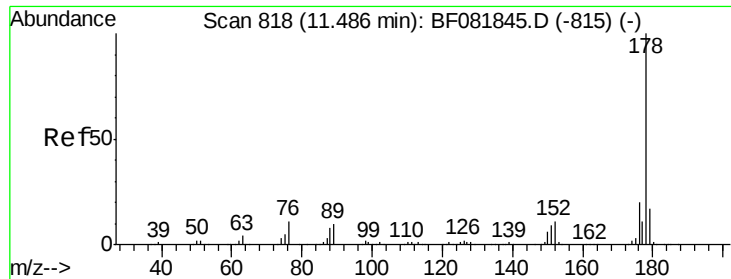


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

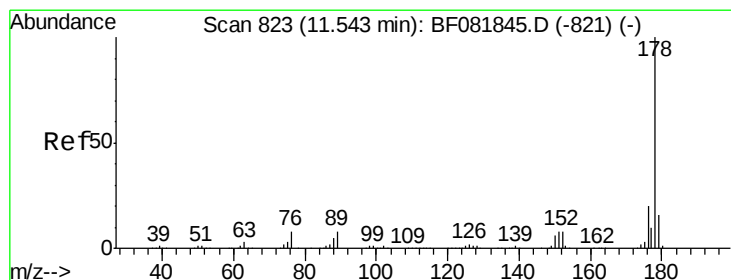
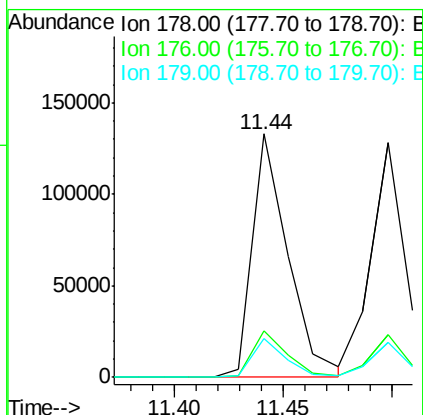
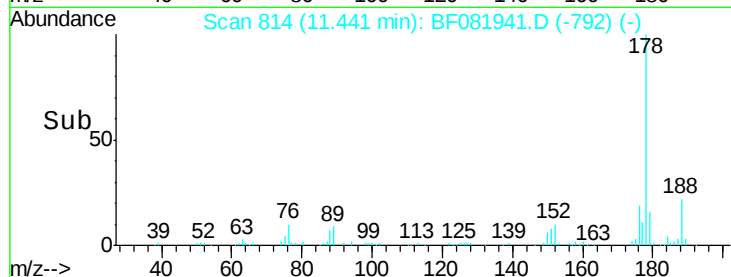
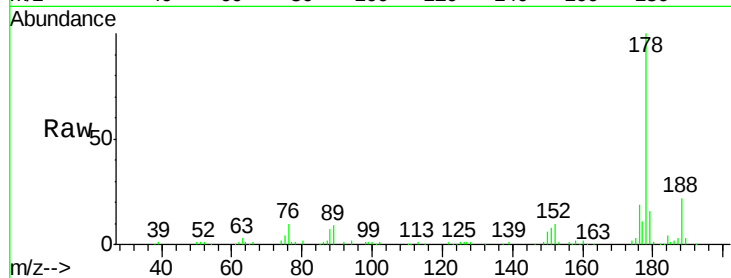




#70  
Phenanthrene  
Concen: 5.42 ng  
RT: 11.44 min Scan# 814  
Delta R.T. -0.05 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

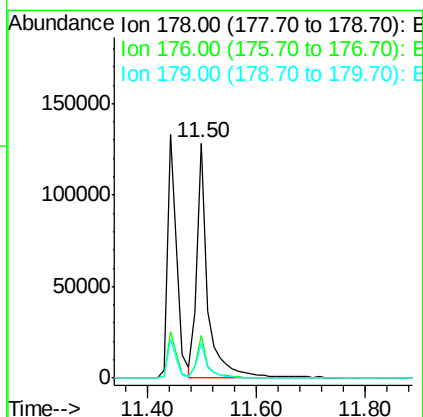
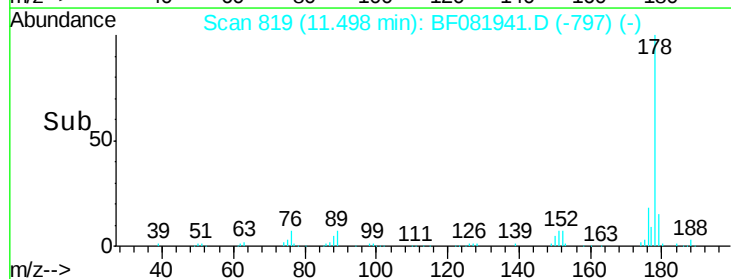
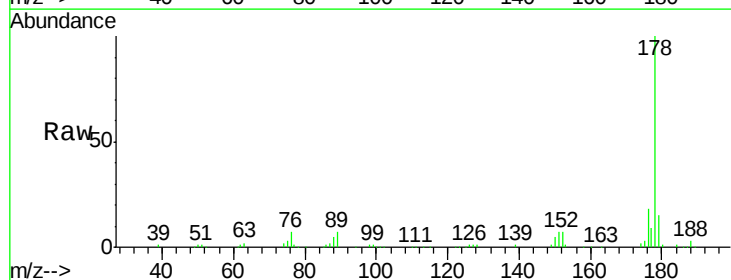
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL2015-01

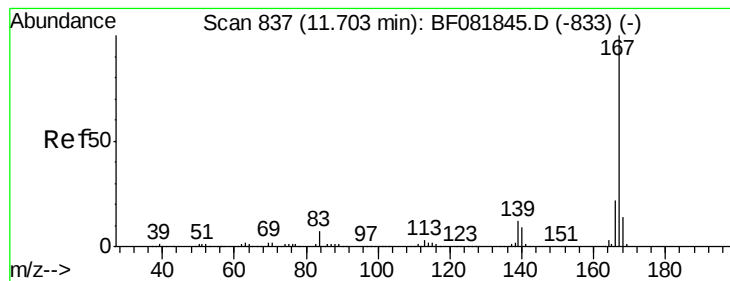
Tgt Ion:178 Resp: 152712  
Ion Ratio Lower Upper  
178 100  
176 19.3 13.8 20.8  
179 15.7 12.2 18.2



#71  
Anthracene  
Concen: 7.55 ng  
RT: 11.50 min Scan# 819  
Delta R.T. -0.05 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

Tgt Ion:178 Resp: 176895  
Ion Ratio Lower Upper  
178 100  
176 18.1 14.1 21.1  
179 14.9 12.2 18.2





#72

Carbazole

Concen: 6.76 ng

RT: 11.66 min Scan# 833

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

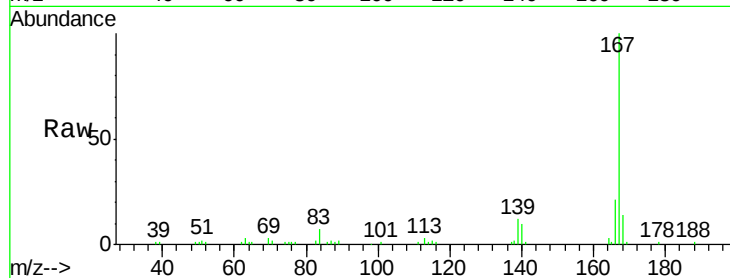
Tgt Ion:167 Resp: 143324

Ion Ratio Lower Upper

167 100

166 20.9 15.7 23.5

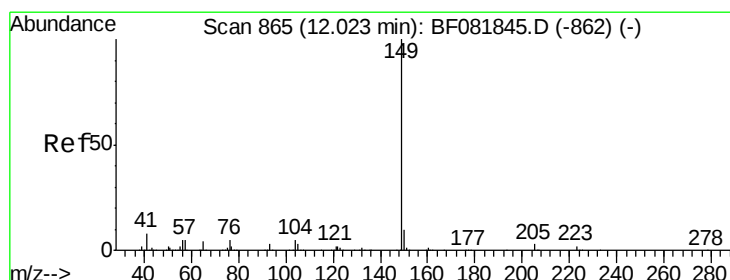
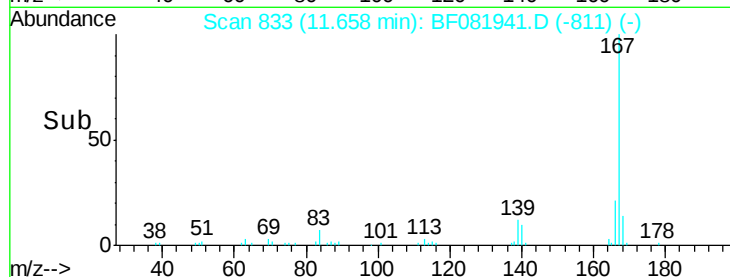
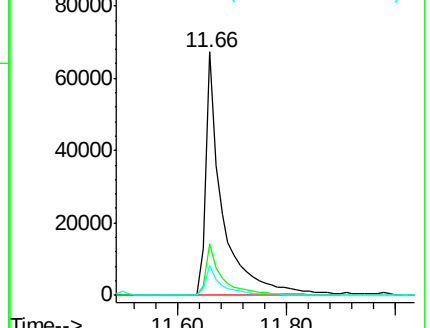
139 12.1 9.5 14.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 6.55 ng

RT: 11.98 min Scan# 861

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

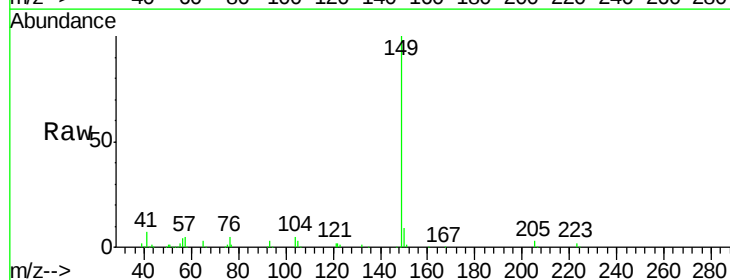
Tgt Ion:149 Resp: 166322

Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

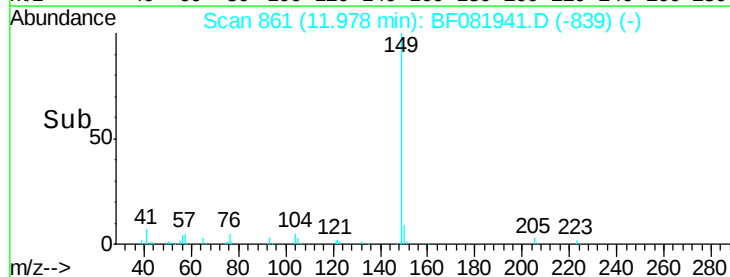
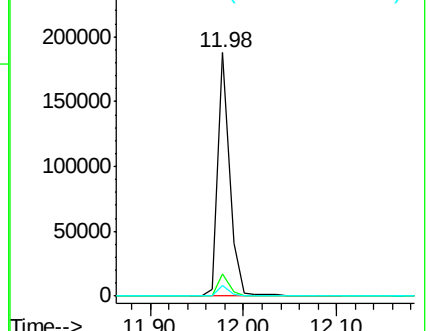
104 4.6 2.4 3.6#

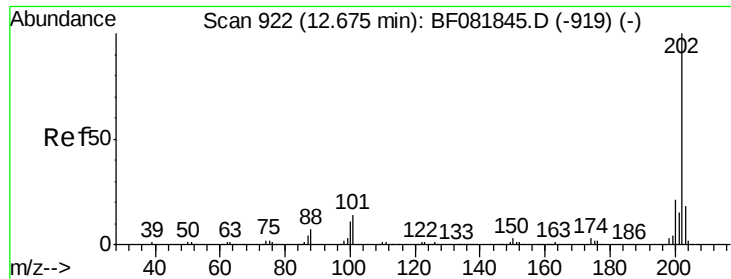


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

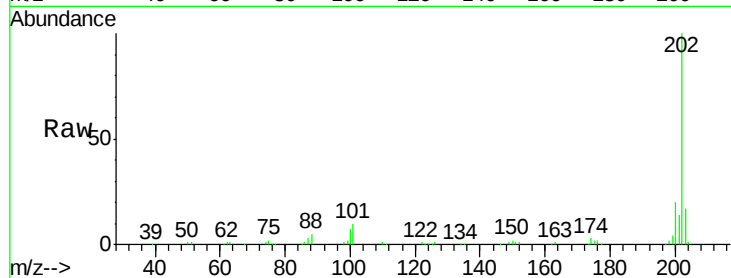




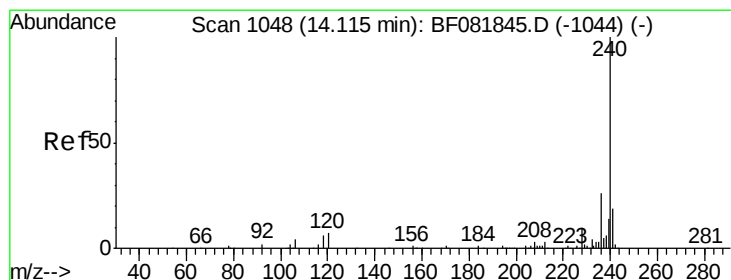
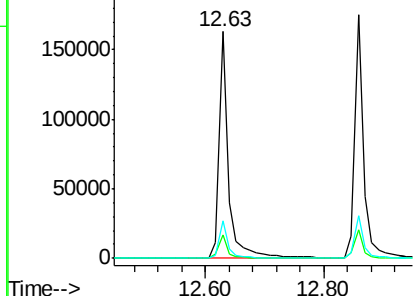
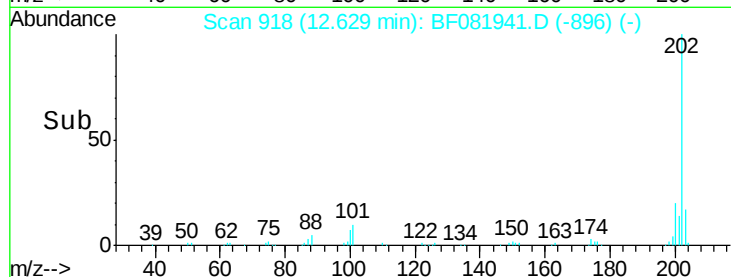
#74  
 Fluoranthene  
 Concen: 7.17 ng  
 RT: 12.63 min Scan# 918  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.3  | 0.0   | 38.3  |
| 203     | 16.8  | 0.0   | 37.3  |

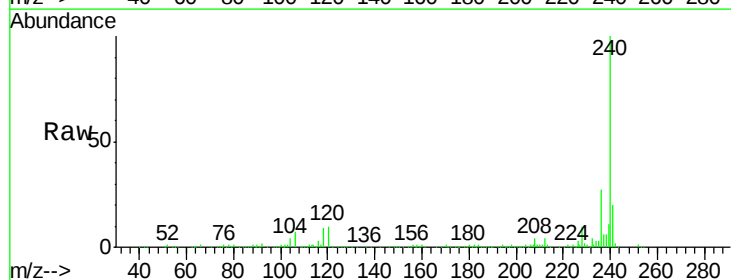


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

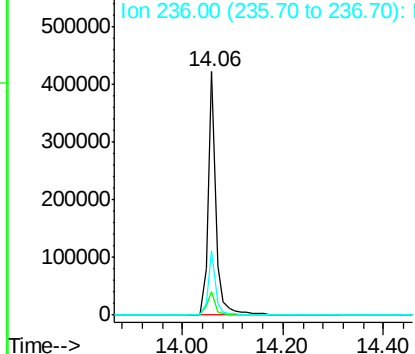
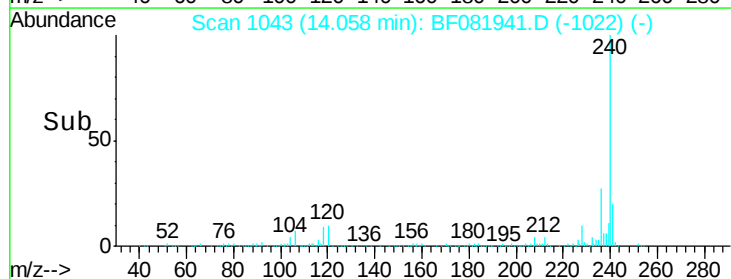


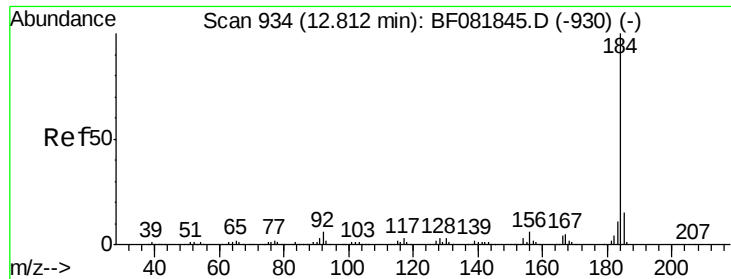
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.06 min Scan# 1043  
 Delta R.T. -0.06 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.6   | 16.2  | 24.2# |
| 236     | 26.6  | 18.4  | 27.6  |



Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

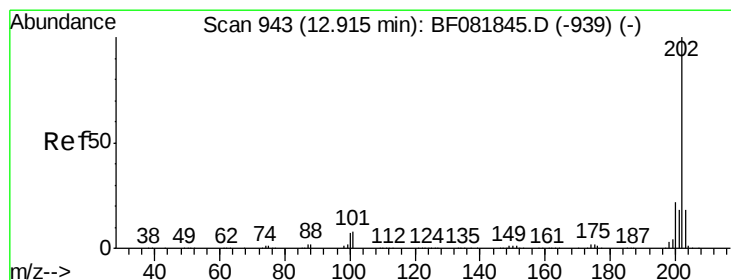
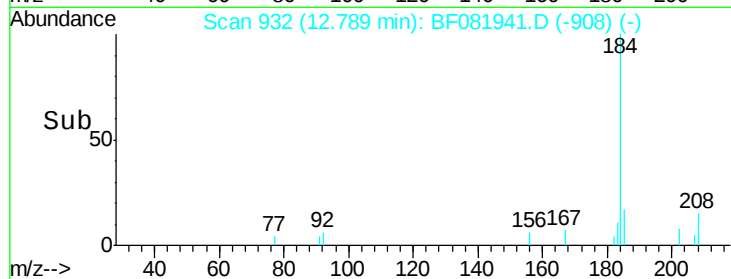
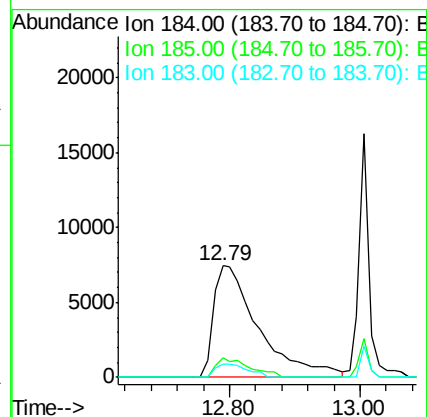
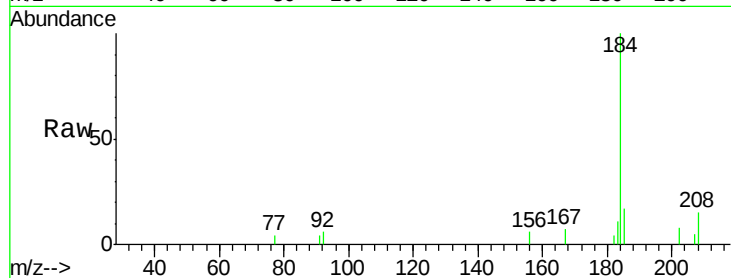




#76  
Benzidine  
Concen: 2.63 ng  
RT: 12.79 min Scan# 932  
Delta R.T. -0.02 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

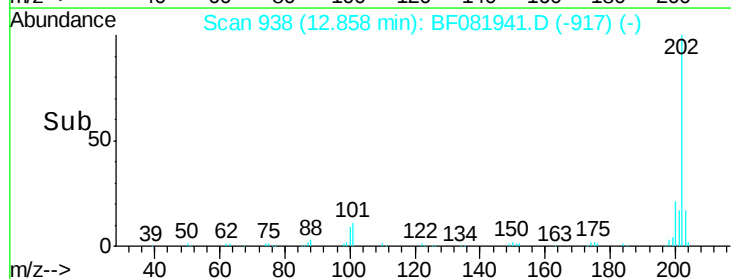
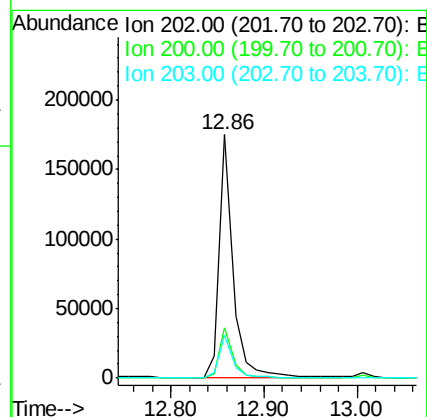
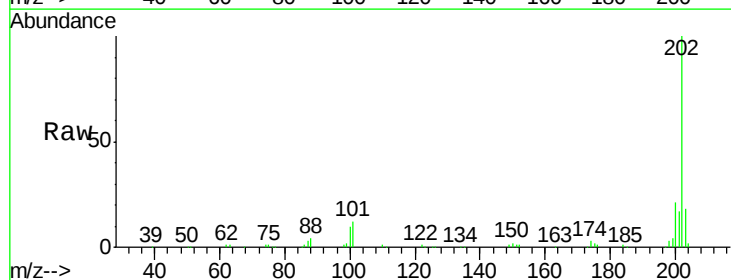
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL2015-01

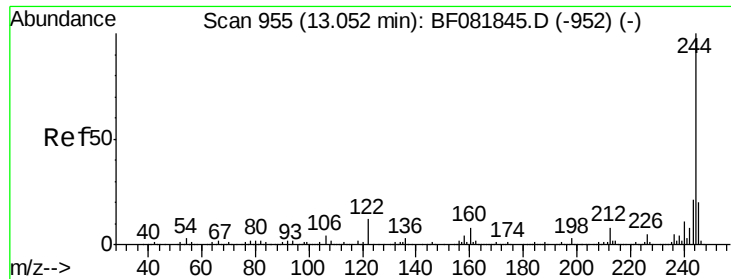
Tgt Ion:184 Resp: 35812  
Ion Ratio Lower Upper  
184 100  
185 17.1 11.8 17.6  
183 11.5 7.6 11.4#



#77  
Pyrene  
Concen: 6.68 ng  
RT: 12.86 min Scan# 938  
Delta R.T. -0.06 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

Tgt Ion:202 Resp: 179932  
Ion Ratio Lower Upper  
202 100  
200 20.8 15.0 22.4  
203 17.7 14.1 21.1

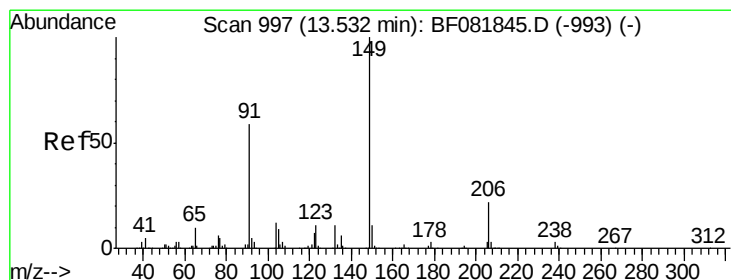
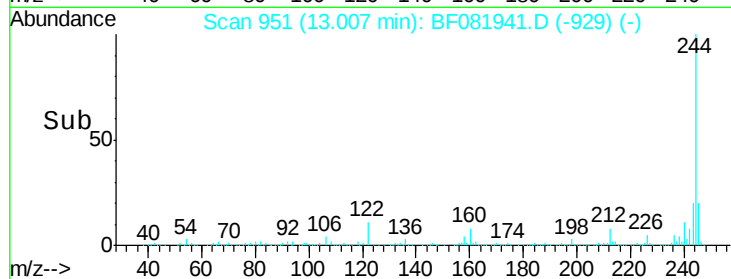
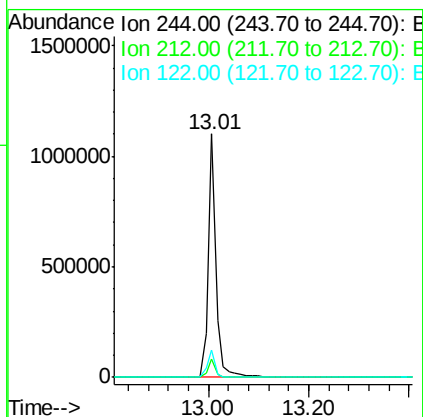
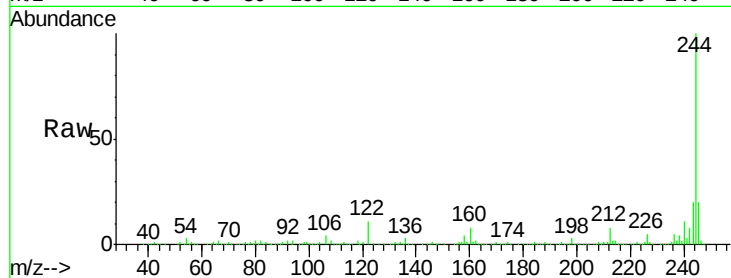




#78  
 Terphenyl-d14  
 Concen: 83.68 ng  
 RT: 13.01 min Scan# 951  
 Delta R.T. -0.05 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

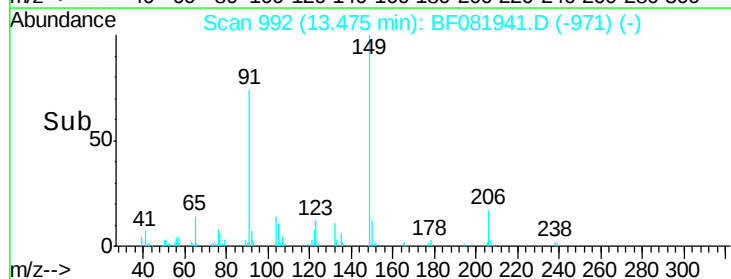
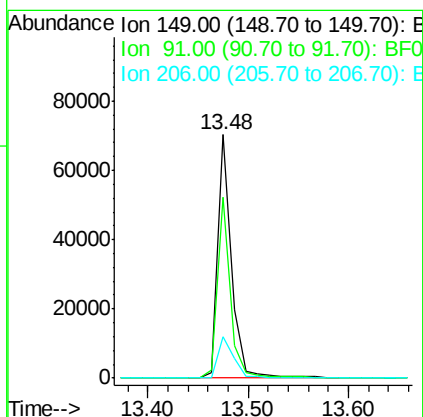
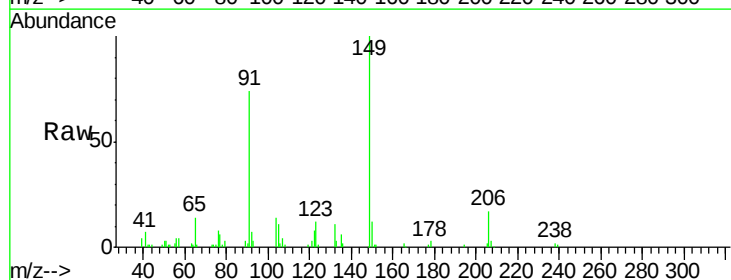
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

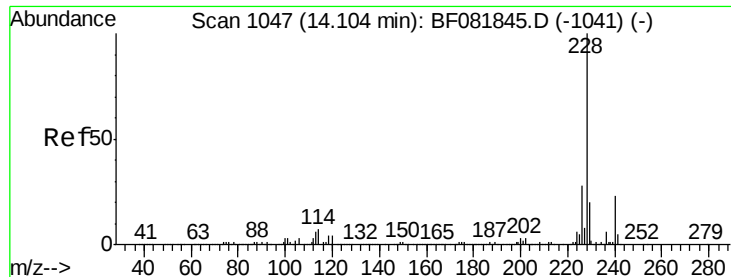
Tgt Ion:244 Resp: 1173971  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 4.3 6.5#  
 122 11.2 17.4 26.2#



#79  
 Butylbenzylphthalate  
 Concen: 6.61 ng  
 RT: 13.48 min Scan# 992  
 Delta R.T. -0.06 min  
 Lab File: BF081941.D  
 Acq: 1 Oct 2015 16:09

Tgt Ion:149 Resp: 66988  
 Ion Ratio Lower Upper  
 149 100  
 91 74.2 48.6 72.8#  
 206 17.1 14.9 22.3





#80

Benzo(a)anthracene

Concen: 6.49 ng

RT: 14.05 min Scan# 1042

Delta R.T. -0.06 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

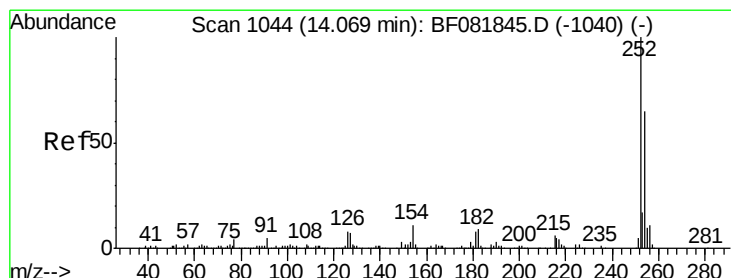
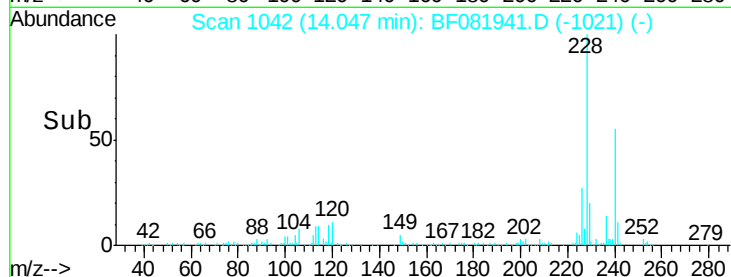
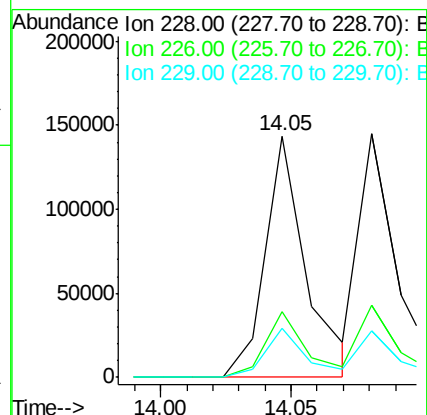
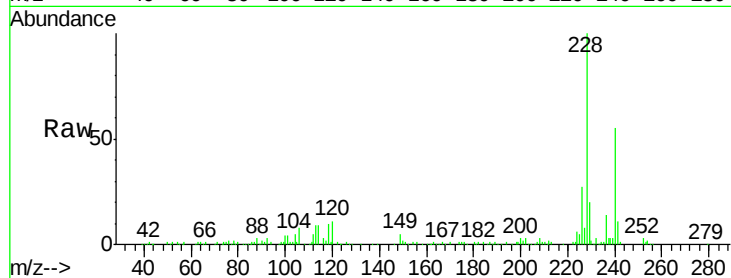
Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 228   | Resp: | 157701 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 226      | 27.4  | 20.0  | 30.0   |
| 229      | 20.1  | 15.4  | 23.2   |



#81

3,3'-Dichlorobenzidine

Concen: 3.82 ng

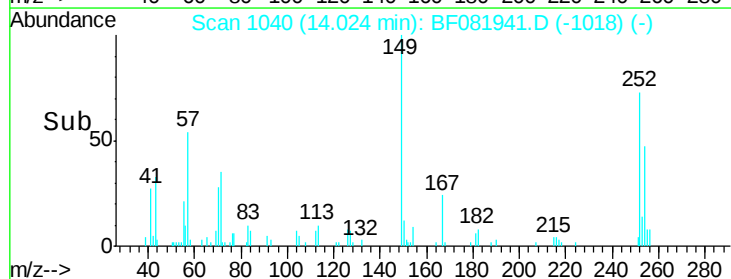
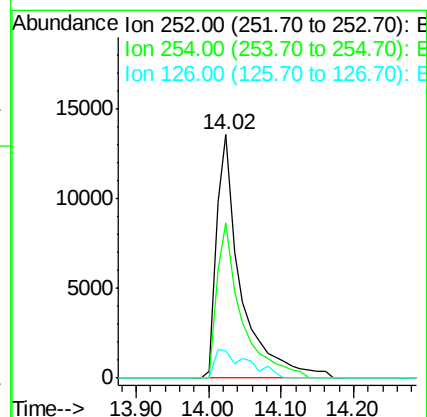
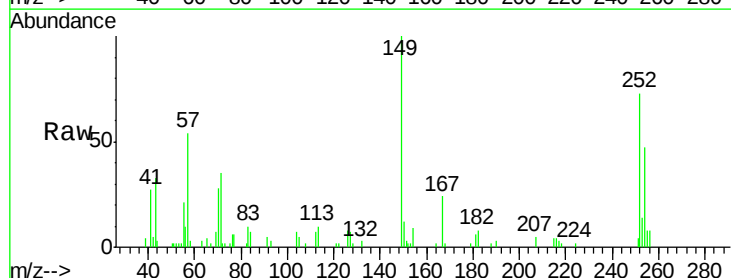
RT: 14.02 min Scan# 1040

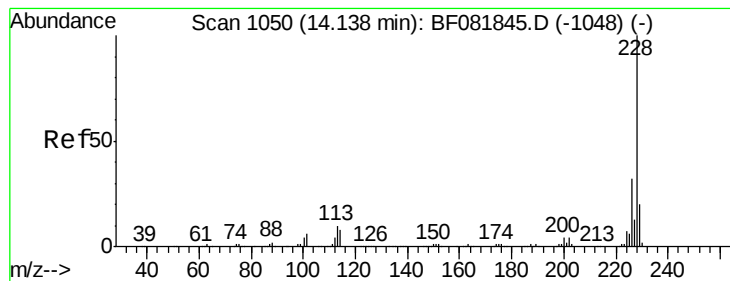
Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 31372 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 254      | 63.7  | 51.4  | 77.2  |
| 126      | 11.3  | 16.4  | 24.6  |





#82

Chrysene

Concen: 6.06 ng

RT: 14.08 min Scan# 1045

Delta R.T. -0.06 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

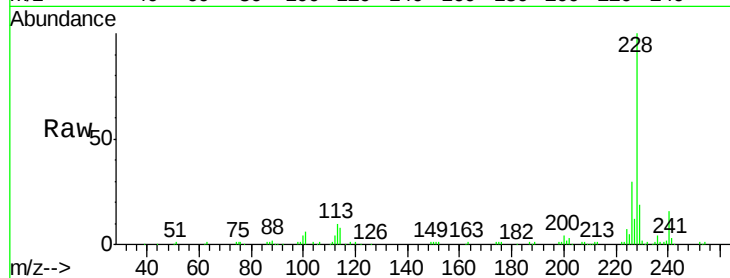
Tgt Ion:228 Resp: 162991

Ion Ratio Lower Upper

228 100

226 29.6 21.0 31.4

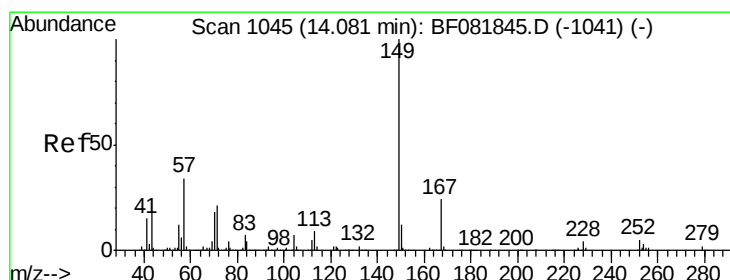
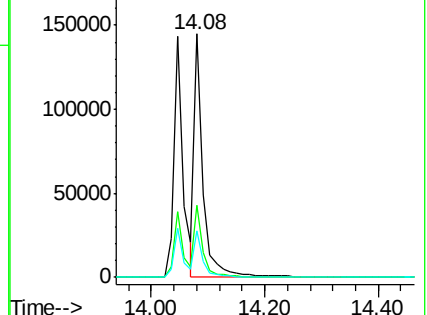
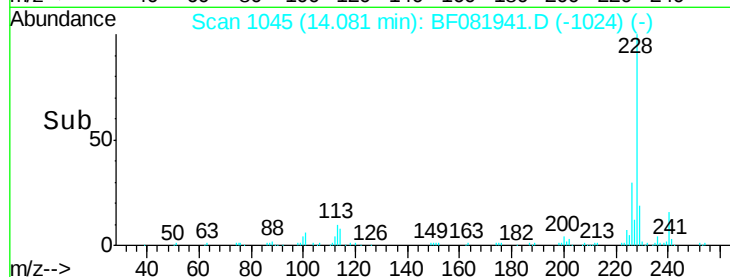
229 19.1 15.6 23.4



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: 7.82 ng

RT: 14.04 min Scan# 1041

Delta R.T. -0.05 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

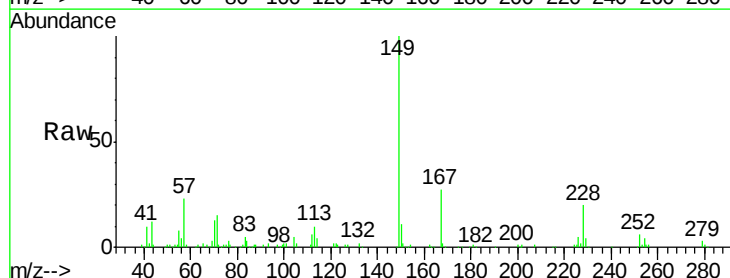
Tgt Ion:149 Resp: 99469

Ion Ratio Lower Upper

149 100

167 26.6 24.2 36.2

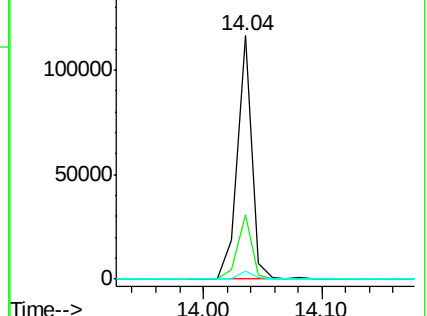
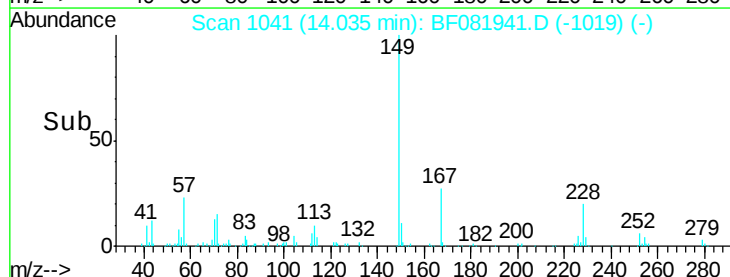
279 3.4 3.8 5.6#

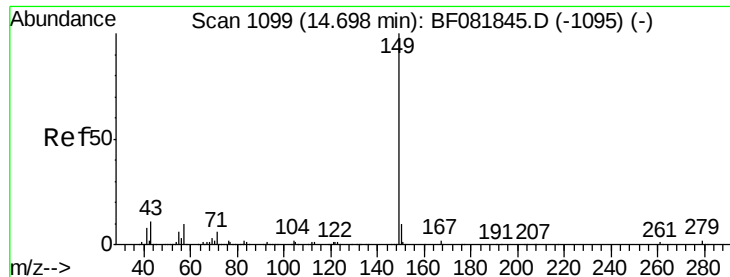


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 7.38 ng

RT: 14.64 min Scan# 1094

Delta R.T. -0.06 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

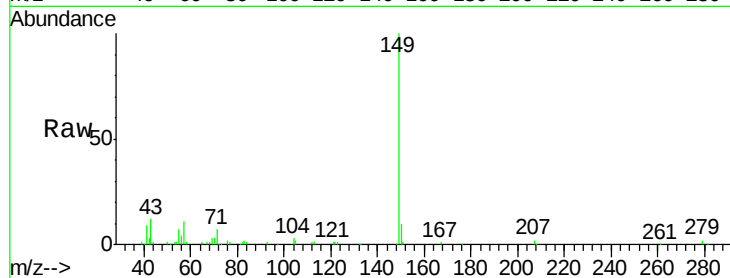
Tgt Ion:149 Resp: 152833

Ion Ratio Lower Upper

149 100

167 1.4 1.0 1.6

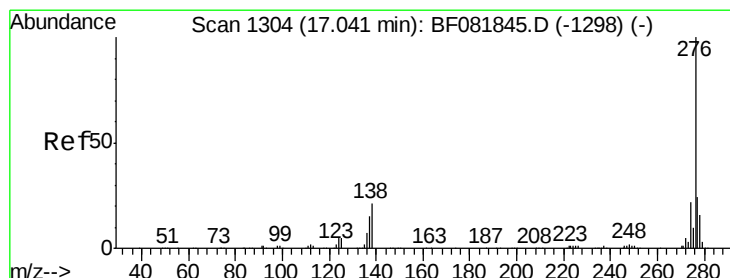
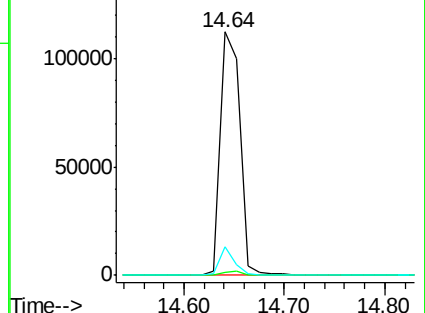
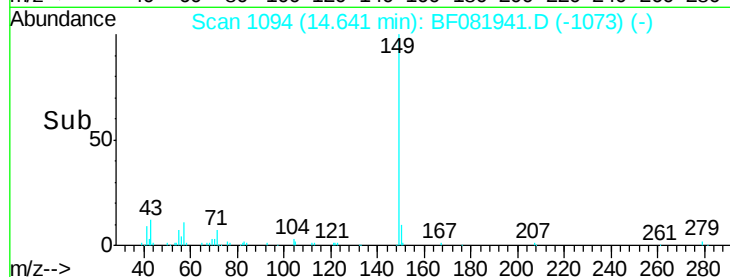
43 9.1 10.2 15.2#



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: 5.72 ng

RT: 16.93 min Scan# 1294

Delta R.T. -0.11 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

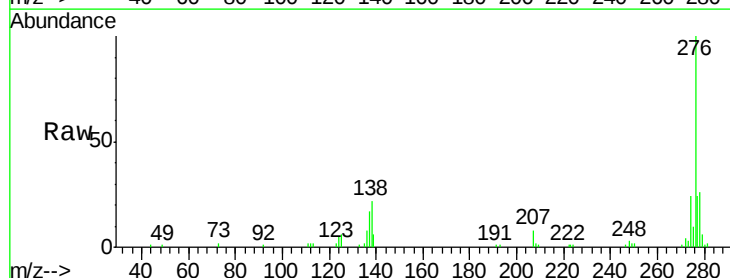
Tgt Ion:276 Resp: 108707

Ion Ratio Lower Upper

276 100

138 24.6 25.7 38.5#

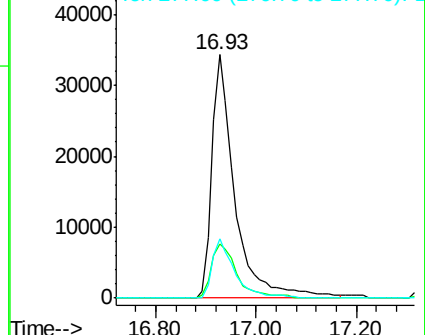
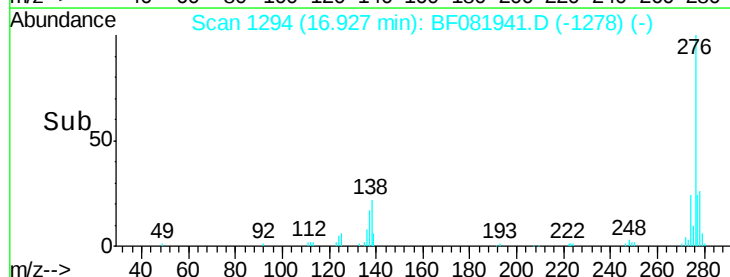
277 24.2 15.6 23.4#

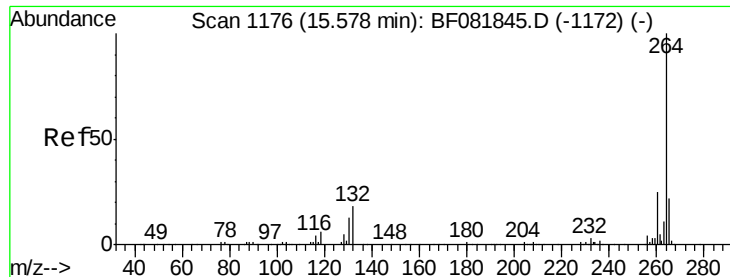


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

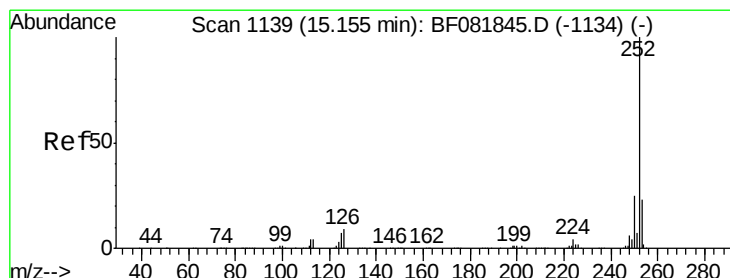
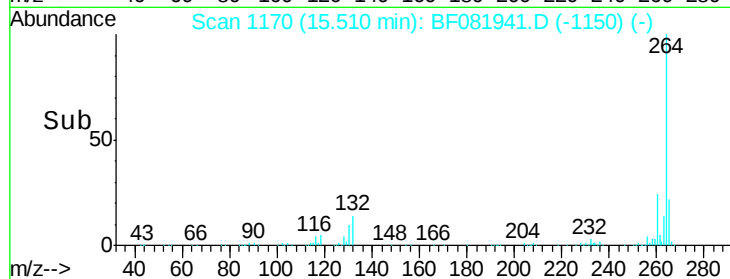
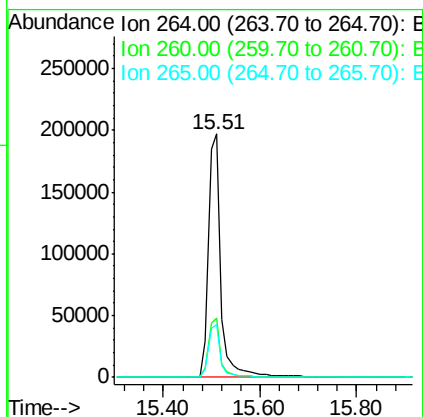
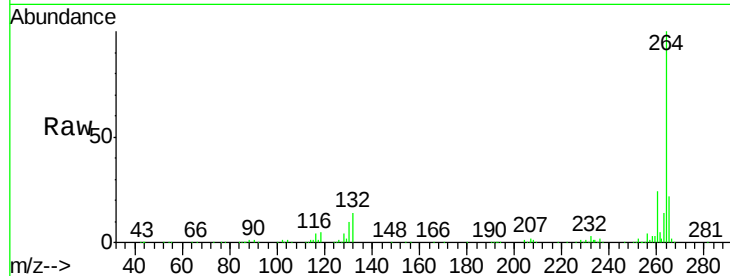




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.51 min Scan# 1170  
Delta R.T. -0.07 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

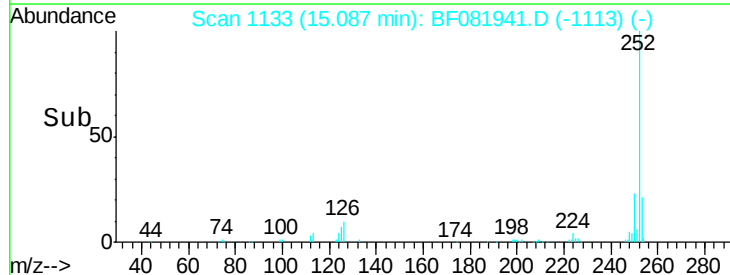
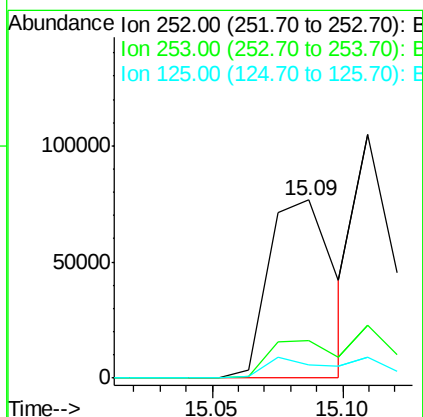
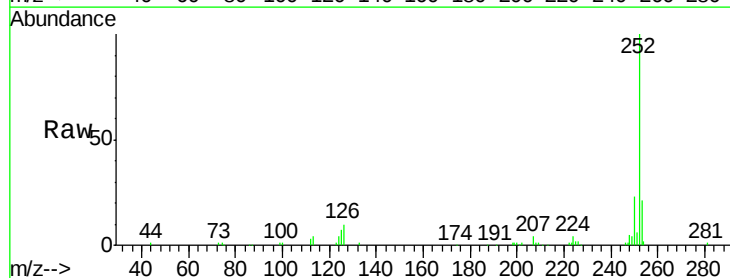
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL2015-01

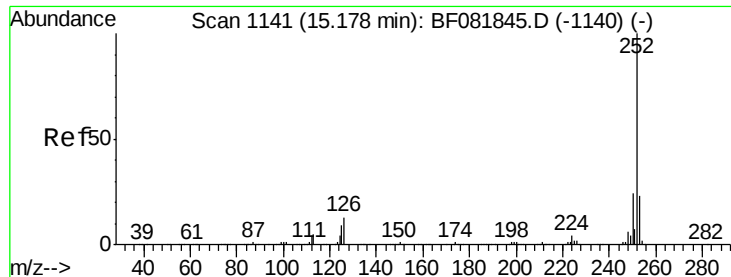
Tgt Ion:264 Resp: 358427  
Ion Ratio Lower Upper  
264 100  
260 24.4 16.7 25.1  
265 21.8 17.2 25.8



#87  
Benzo(b)fluoranthene  
Concen: 6.48 ng  
RT: 15.09 min Scan# 1133  
Delta R.T. -0.07 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

Tgt Ion:252 Resp: 132525  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.5 26.3  
125 7.4 17.1 25.7#

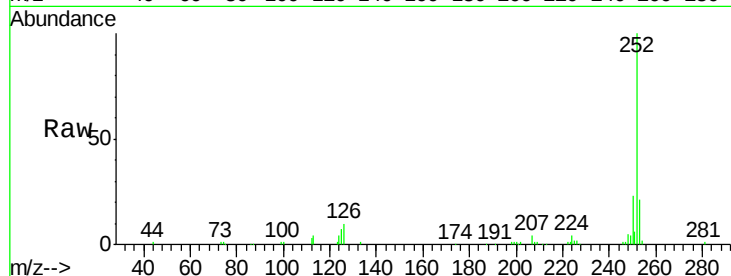




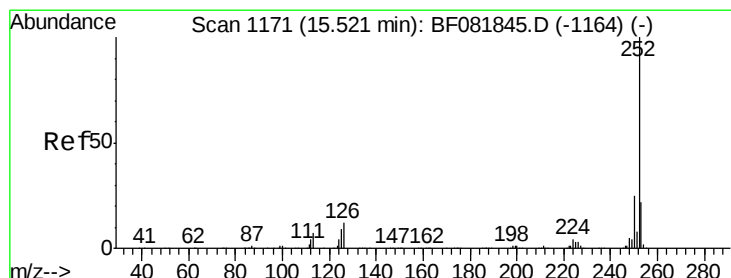
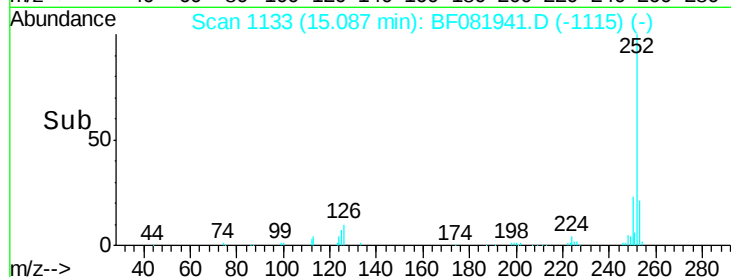
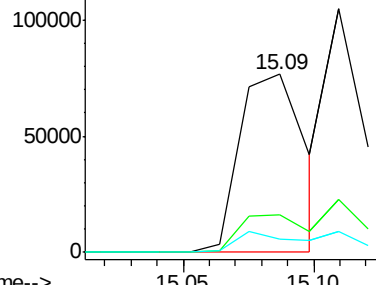
#88  
Benzo(k)fluoranthene  
Concen: 7.07 ng  
RT: 15.09 min Scan# 1133  
Delta R.T. -0.09 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL2015-01

Tgt Ion:252 Resp: 132525  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.0 25.4  
125 7.4 16.0 24.0#

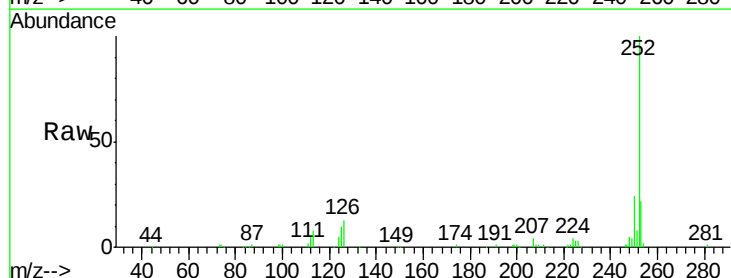


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

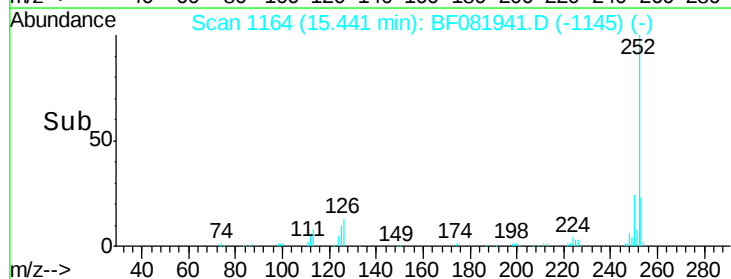
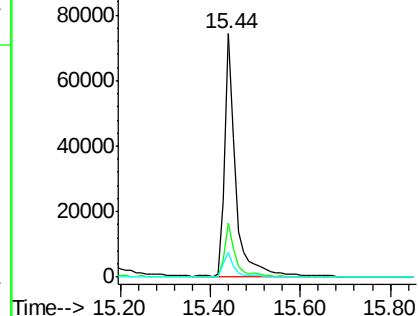


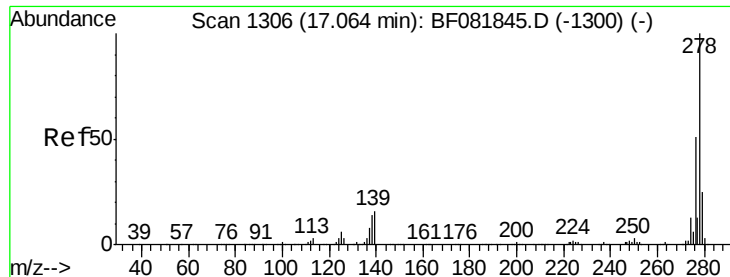
#89  
Benzo(a)pyrene  
Concen: 7.29 ng  
RT: 15.44 min Scan# 1164  
Delta R.T. -0.08 min  
Lab File: BF081941.D  
Acq: 1 Oct 2015 16:09

Tgt Ion:252 Resp: 129380  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.2 25.8  
125 10.2 18.0 27.0#



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: 6.07 ng

RT: 16.95 min Scan# 1296

Delta R.T. -0.11 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

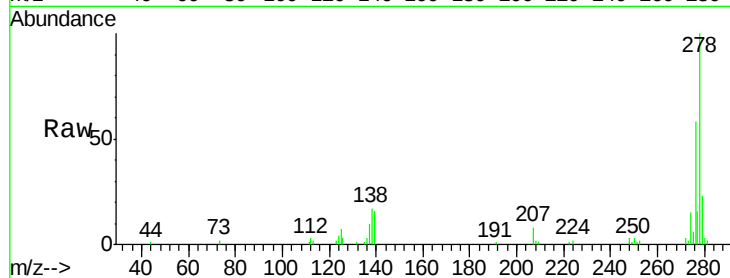
Tgt Ion:278 Resp: 90361

Ion Ratio Lower Upper

278 100

139 16.1 26.3 39.5#

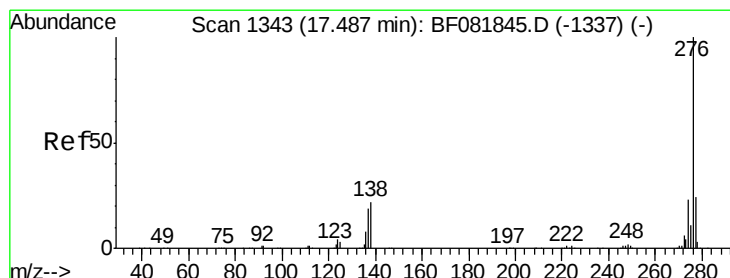
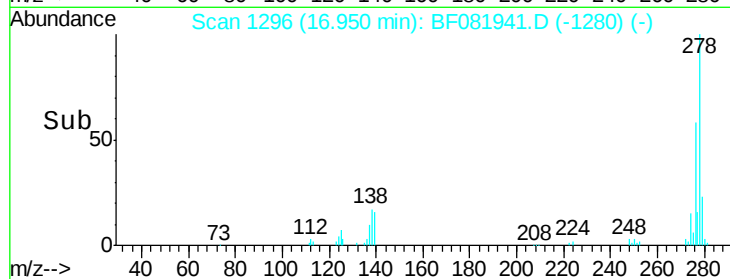
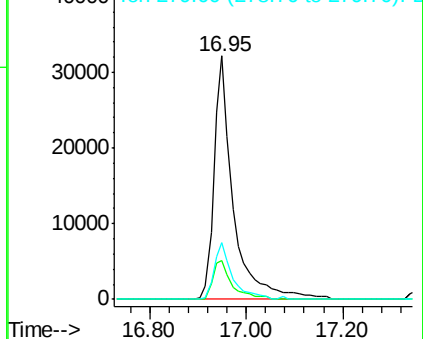
279 23.3 18.2 27.4



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(g,h,i)perylene

Concen: 5.81 ng

RT: 17.35 min Scan# 1331

Delta R.T. -0.14 min

Lab File: BF081941.D

Acq: 1 Oct 2015 16:09

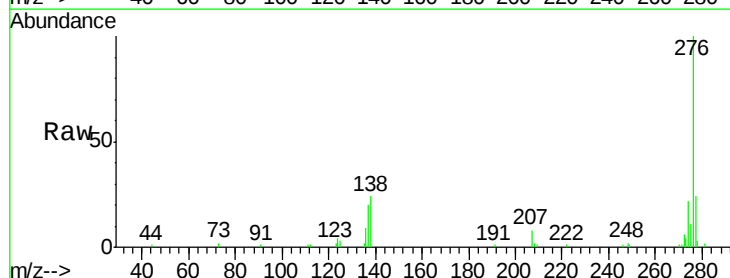
Tgt Ion:276 Resp: 88688

Ion Ratio Lower Upper

276 100

277 23.7 17.8 26.6

138 24.0 34.6 51.8#



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

