

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\  
 Data File : BN000097.D  
 Acq On : 15 Feb 2018 15:16  
 Operator : JU/SJ  
 Sample : J1161-02  
 Misc : 20 PPM L00  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2018

Quant Time: Feb 16 03:53:23 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 07 18:24:45 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.46  | 152  | 316503   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.30 | 136  | 1600531  | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.07 | 164  | 970882   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 17.79 | 188  | 2107733  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.90 | 240  | 2349021  | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 24.39 | 264  | 2512382  | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.93  | 112 | 2829467 | 145.70 | ng | -0.01 |
| 7) Phenol-d6             | 7.59  | 99  | 4232876 | 143.89 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.64  | 82  | 3095108 | 114.98 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.54 | 330 | 1426276 | 148.41 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 13.70 | 172 | 7560107 | 109.75 | ng | -0.01 |
| 78) Terphenyl-d14        | 20.35 | 244 | 9545982 | 109.73 | ng | -0.01 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.66  | 88  | 148417  | 18.993 | ng | 95     |
| 3) Pyridine                    | 4.10  | 79  | 471894  | 19.400 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 4.00  | 42  | 123461  | 17.947 | ng | # 92   |
| 6) Aniline                     | 7.77  | 93  | 774475  | 19.110 | ng | 90     |
| 8) 2-Chlorophenol              | 8.01  | 128 | 430154  | 18.941 | ng | 88     |
| 9) Benzaldehyde                | 7.58  | 77  | 224213  | 12.252 | ng | 86     |
| 10) Phenol                     | 7.61  | 94  | 594023  | 19.130 | ng | 85     |
| 11) bis(2-Chloroethyl)ether    | 7.86  | 93  | 481711  | 18.862 | ng | # 82   |
| 12) 1,3-Dichlorobenzene        | 8.35  | 146 | 486102  | 18.838 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 8.50  | 146 | 495257  | 18.794 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.82  | 146 | 490096  | 18.893 | ng | 96     |
| 15) Benzyl Alcohol             | 8.69  | 79  | 375349  | 17.753 | ng | 89     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.99  | 45  | 508894  | 18.825 | ng | 78     |
| 17) 2-Methylphenol             | 8.89  | 107 | 409990  | 18.579 | ng | 94     |
| 18) Hexachloroethane           | 9.57  | 117 | 166211  | 18.119 | ng | # 81   |
| 19) n-Nitroso-di-n-propylamine | 9.26  | 70  | 352697  | 17.893 | ng | # 84   |
| 20) 3+4-Methylphenols          | 9.22  | 107 | 569302  | 18.446 | ng | 93     |
| 22) Acetophenone               | 9.29  | 105 | 843380  | 18.804 | ng | # 87   |
| 24) Nitrobenzene               | 9.68  | 77  | 575105  | 19.542 | ng | # 93   |
| 25) Isophorone                 | 10.20 | 82  | 983801  | 17.679 | ng | 96     |
| 26) 2-Nitrophenol              | 10.40 | 139 | 170695  | 19.226 | ng | 90     |
| 27) 2,4-Dimethylphenol         | 10.44 | 122 | 425323  | 17.630 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 10.68 | 93  | 661551  | 18.537 | ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.93 | 162 | 382157  | 17.117 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 11.16 | 180 | 477478  | 18.571 | ng | 97     |
| 31) Naphthalene                | 11.35 | 128 | 1664807 | 18.973 | ng | 98     |
| 32) Benzoic acid               | 10.51 | 122 | 168710  | 17.892 | ng | 88     |
| 33) 4-Chloroaniline            | 11.45 | 127 | 718954  | 18.652 | ng | 94     |
| 34) Hexachlorobutadiene        | 11.63 | 225 | 248248  | 18.620 | ng | 98     |
| 35) Caprolactam                | 12.18 | 113 | 145465  | 17.676 | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 12.53 | 107 | 489085  | 17.255 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.93 | 142 | 1148191 | 18.807 | ng | 95     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.29 | 216 | 536898  | 18.735 | ng | # 97   |
| 40) Hexachlorocyclopentadiene  | 13.26 | 237 | 202324  | 16.937 | ng | 94     |

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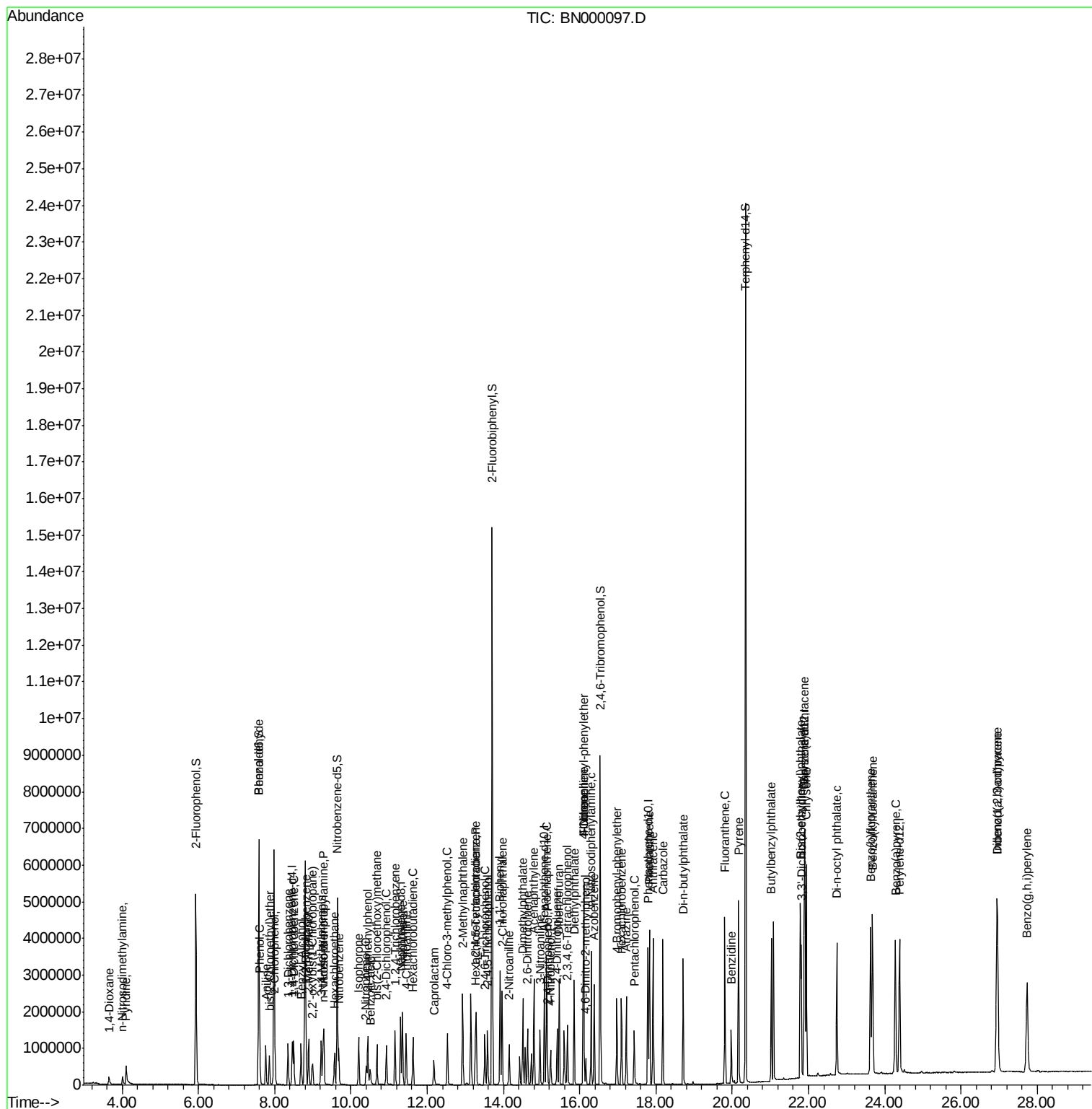
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.51 | 196  | 281510   | 16.390 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.58 | 196  | 351911   | 17.044 | nq #  | 92       |
| 45) 1,1'-Biphenyl              | 13.91 | 154  | 1621483  | 18.963 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 13.96 | 162  | 1207177  | 18.815 | nq    | 97       |
| 47) 2-Nitroaniline             | 14.15 | 65   | 275290   | 18.020 | nq #  | 80       |
| 48) Acenaphthylene             | 14.80 | 152  | 1950847  | 18.873 | nq    | 98       |
| 49) Dimethylphthalate          | 14.51 | 163  | 1514689  | 18.663 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.63 | 165  | 288411   | 17.214 | nq    | 92       |
| 51) Acenaphthene               | 15.13 | 154  | 1254945  | 18.651 | nq    | 98       |
| 52) 3-Nitroaniline             | 14.96 | 138  | 354020   | 17.383 | nq #  | 92       |
| 53) 2,4-Dinitrophenol          | 15.16 | 184  | 72300    | 19.991 | nq #  | 12       |
| 54) Dibenzofuran               | 15.46 | 168  | 1812745  | 19.023 | nq    | 95       |
| 55) 4-Nitrophenol              | 15.23 | 139  | 241444   | 18.543 | nq #  | 86       |
| 56) 2,4-Dinitrotoluene         | 15.40 | 165  | 371935   | 18.338 | nq #  | 96       |
| 57) Fluorene                   | 16.10 | 166  | 1491293  | 19.166 | nq    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.67 | 232  | 285425   | 17.516 | nq #  | 86       |
| 59) Diethylphthalate           | 15.85 | 149  | 1552232  | 18.820 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 16.09 | 204  | 675814   | 19.059 | nq    | 94       |
| 61) 4-Nitroaniline             | 16.10 | 138  | 374232   | 17.883 | nq    | 92       |
| 62) Azobenzene                 | 16.38 | 77   | 1557878  | 18.975 | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 16.16 | 198  | 133369   | 19.647 | nq    | 89       |
| 65) n-Nitrosodiphenylamine     | 16.30 | 169  | 1296575  | 18.905 | nq    | 96       |
| 66) 4-Bromophenyl-phenylether  | 16.97 | 248  | 369828   | 18.451 | nq #  | 85       |
| 67) Hexachlorobenzene          | 17.10 | 284  | 439568   | 18.779 | nq #  | 88       |
| 68) Atrazine                   | 17.22 | 200  | 363395   | 16.280 | nq    | 95       |
| 69) Pentachlorophenol          | 17.43 | 266  | 223770   | 18.703 | nq    | 98       |
| 70) Phenanthrene               | 17.83 | 178  | 2392895  | 19.220 | nq    | 99       |
| 71) Anthracene                 | 17.92 | 178  | 2325682  | 19.292 | nq    | 98       |
| 72) Carbazole                  | 18.18 | 167  | 2358061  | 19.416 | nq    | 97       |
| 73) Di-n-butylphthalate        | 18.72 | 149  | 2427584  | 18.107 | nq    | 98       |
| 74) Fluoranthene               | 19.81 | 202  | 2597520  | 19.887 | nq    | 95       |
| 76) Benzidine                  | 19.97 | 184  | 723170   | 9.658  | nq    | 95       |
| 77) Pyrene                     | 20.17 | 202  | 2850929  | 19.096 | nq    | 99       |
| 79) Butylbenzylphthalate       | 21.02 | 149  | 1018330  | 18.144 | nq #  | 96       |
| 80) Benzo(a)anthracene         | 21.89 | 228  | 2790726  | 19.329 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.81 | 252  | 902754   | 17.023 | nq #  | 97       |
| 82) Chrysene                   | 21.95 | 228  | 2796711  | 19.438 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.79 | 149  | 1658702  | 17.730 | nq #  | 94       |
| 84) Di-n-octyl phthalate       | 22.74 | 149  | 2505792  | 17.856 | nq #  | 94       |
| 85) Indeno(1,2,3-cd)pyrene     | 26.94 | 276  | 3403852  | 19.258 | nq #  | 87       |
| 87) Benzo(b)fluoranthene       | 23.63 | 252  | 2852414  | 19.397 | nq #  | 96       |
| 88) Benzo(k)fluoranthene       | 23.68 | 252  | 2851064  | 19.250 | nq #  | 96       |
| 89) Benzo(a)pyrene             | 24.28 | 252  | 2694407  | 19.106 | nq #  | 94       |
| 90) Dibenzo(a,h)anthracene     | 26.96 | 278  | 2860423  | 19.396 | nq #  | 90       |
| 91) Benzo(g,h,i)perylene       | 27.73 | 276  | 2821733  | 18.922 | nq #  | 88       |

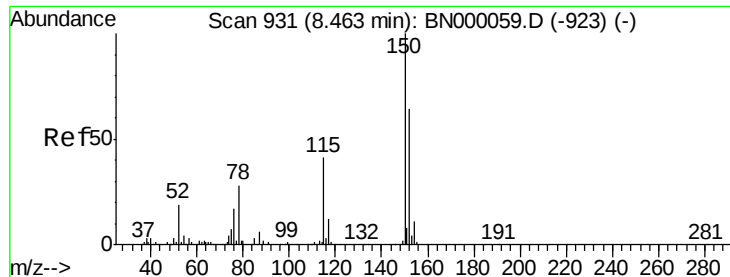
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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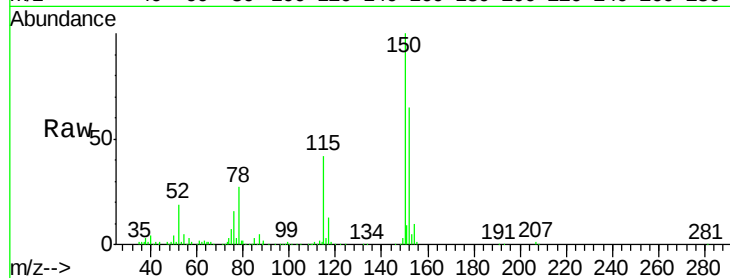


#1

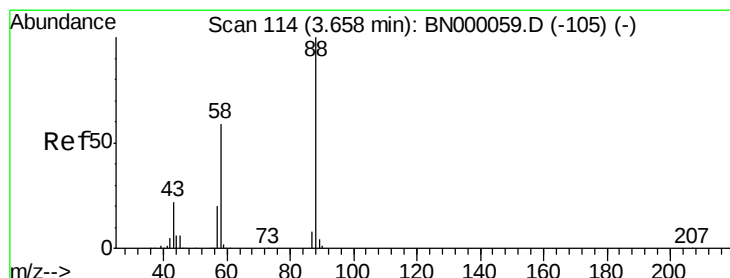
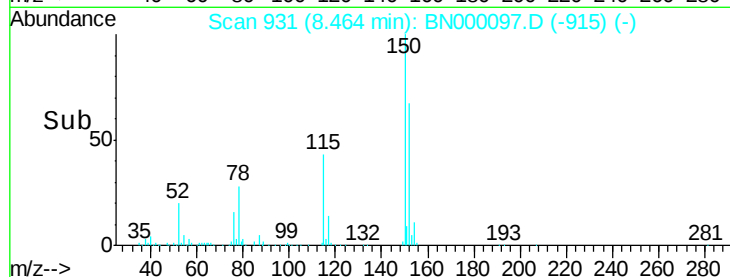
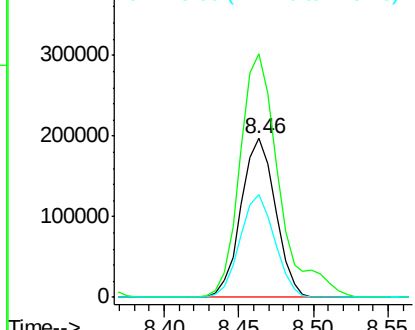
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.46 min Scan# 931  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

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BNA\_N  
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LOQ-SOIL-02-QT1-2018

Tot Ion:152 Resp: 316503  
Ion Ratio Lower Upper  
152 100  
150 153.2 126.6 189.8  
115 64.6 53.0 79.4



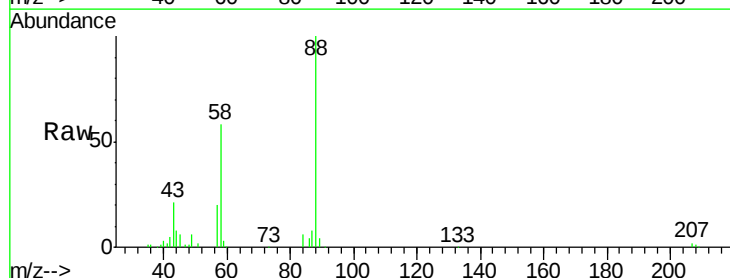
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



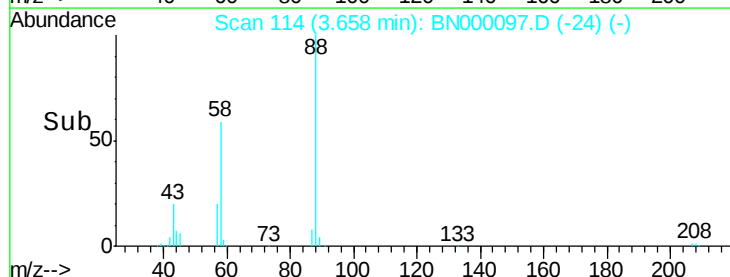
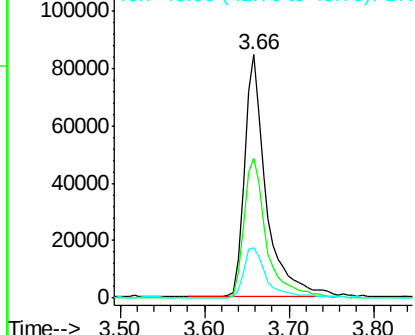
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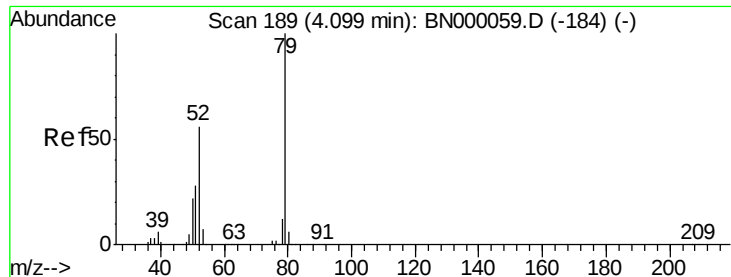
1,4-Dioxane  
Concen: 18.993 ng  
RT: 3.66 min Scan# 114  
Delta R.T. 0.00 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

Tgt Ion: 88 Resp: 148417  
Ion Ratio Lower Upper  
88 100  
58 60.9 52.0 78.0  
43 23.0 20.0 30.0



Abundance Ion 88.00 (87.70 to 88.70): BNC  
Ion 58.00 (57.70 to 58.70): BNC  
Ion 43.00 (42.70 to 43.70): BNC





#3

Pvridine

Concen: 19.400 ng

RT: 4.10 min Scan# 190

Delta R.T. 0.00 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

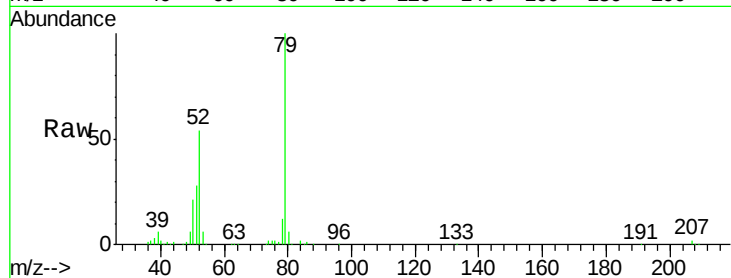
Tot Ion: 79 Resp: 471894

Ion Ratio Lower Upper

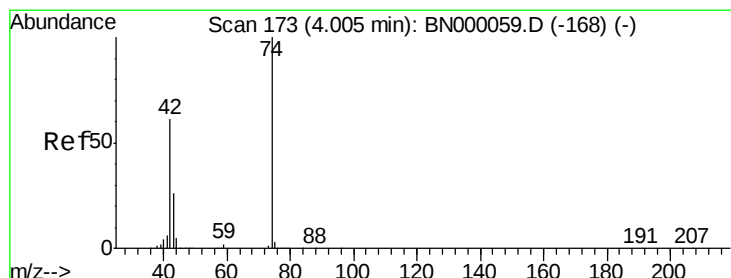
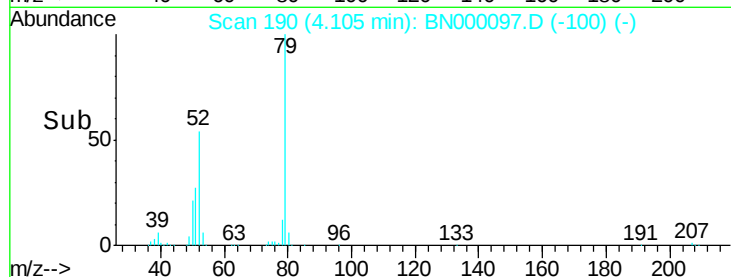
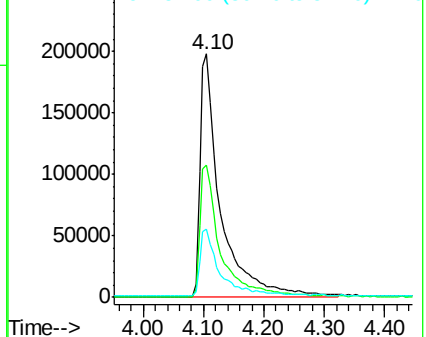
79 100

52 54.3 44.0 66.0

51 27.9 24.0 36.0



Abundance Ion 79.00 (78.70 to 79.70): BNC  
Ion 52.00 (51.70 to 52.70): BNC  
Ion 51.00 (50.70 to 51.70): BNC



#4

n-Nitrosodimethylamine

Concen: 17.947 ng

RT: 4.00 min Scan# 173

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

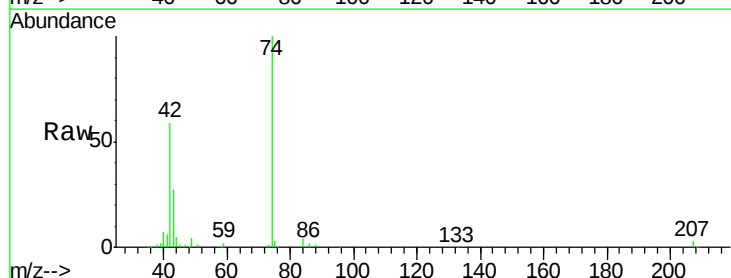
Tgt Ion: 42 Resp: 123461

Ion Ratio Lower Upper

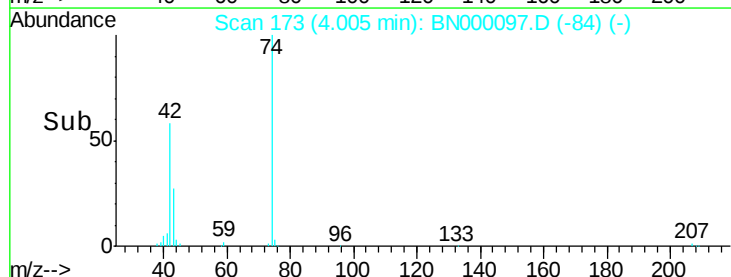
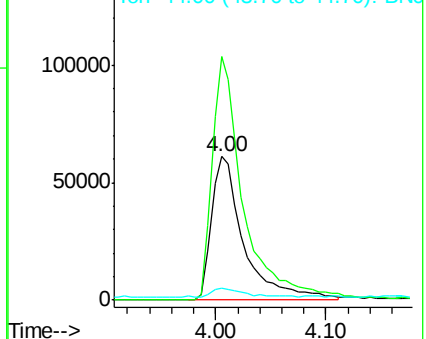
42 100

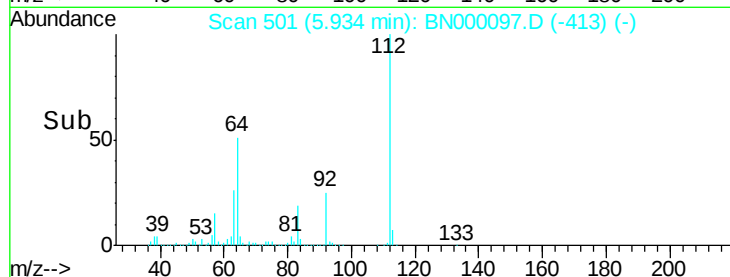
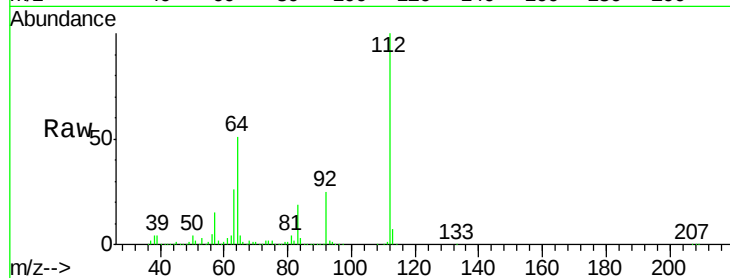
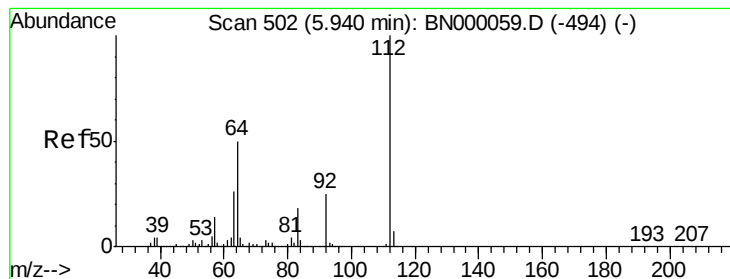
74 169.8 128.0 192.0

44 8.1 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC  
Ion 74.00 (73.70 to 74.70): BNC  
Ion 44.00 (43.70 to 44.70): BNC





#5

2-Fluorophenol

Concen: 145.698 ng

RT: 5.93 min Scan# 501

Delta R.T. -0.01 min

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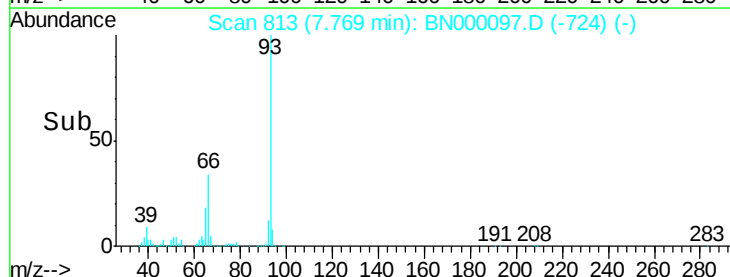
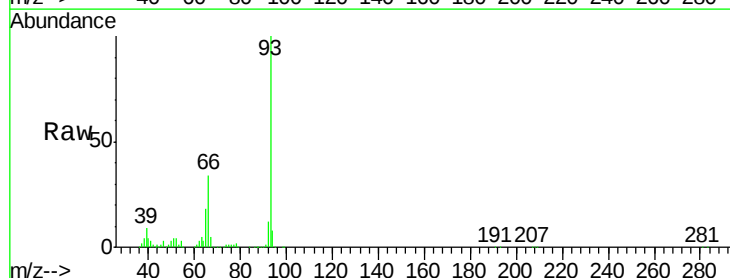
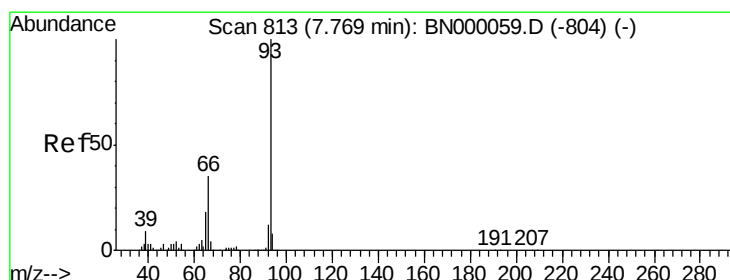
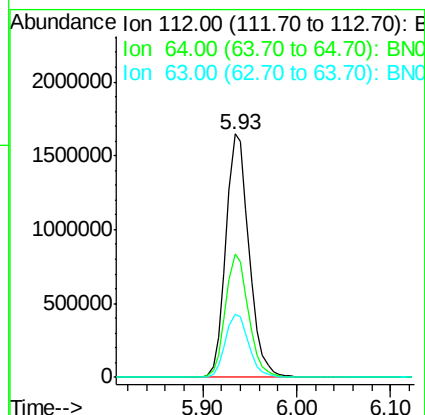
Tot Ion:112 Resp: 2829467

Ion Ratio Lower Upper

112 100

64 50.5 56.3 84.5#

63 26.0 30.1 45.1#



#6

Aniline

Concen: 19.110 ng

RT: 7.77 min Scan# 813

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

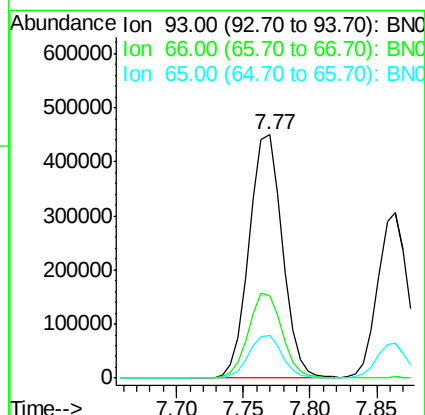
Tgt Ion: 93 Resp: 774475

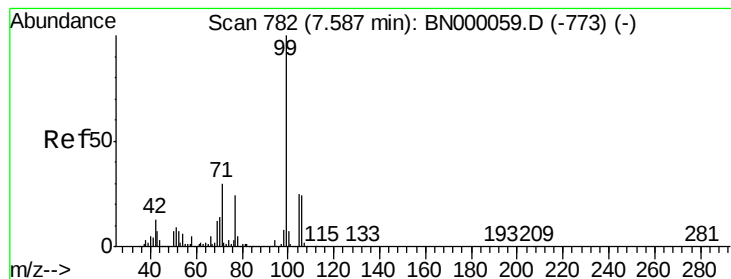
Ion Ratio Lower Upper

93 100

66 34.0 33.7 50.5

65 17.6 16.1 24.1





#7

Phenol-d6

Concen: 143.893 ng

RT: 7.59 min Scan# 782

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

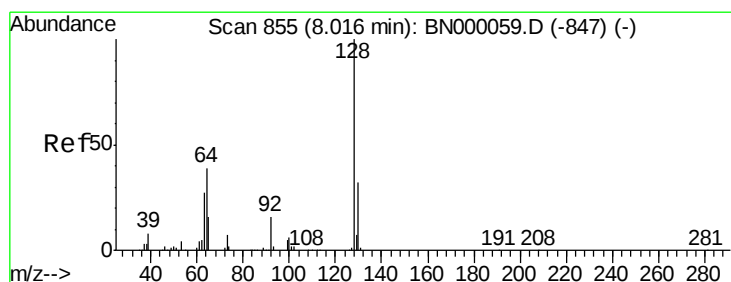
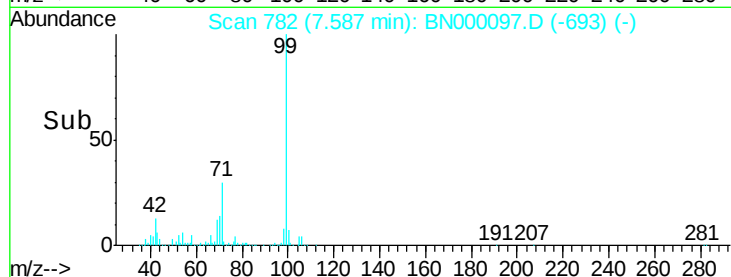
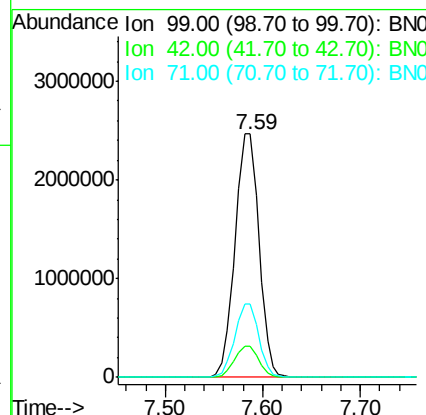
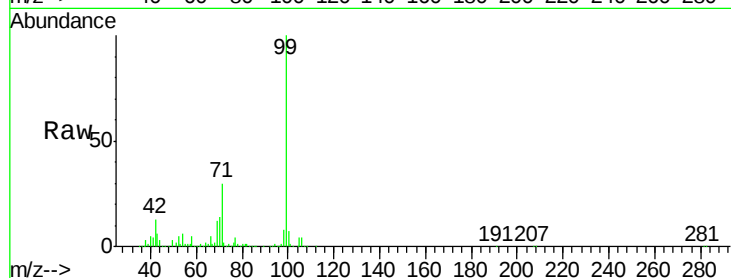
BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion: 99 Resp: 4232876

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 12.8  | 14.1  | 21.1# |
| 71  | 30.1  | 26.1  | 39.1  |



#8

2-Chlorophenol

Concen: 18.941 ng

RT: 8.01 min Scan# 854

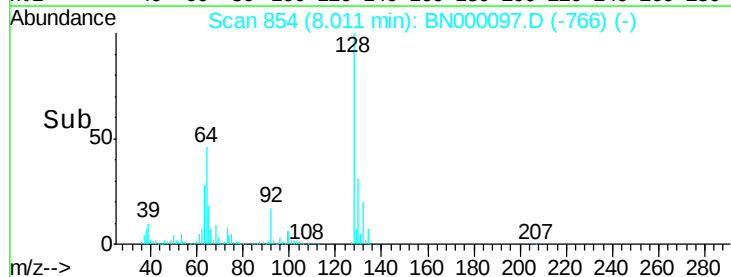
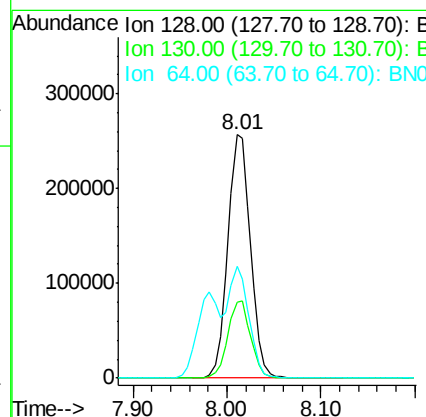
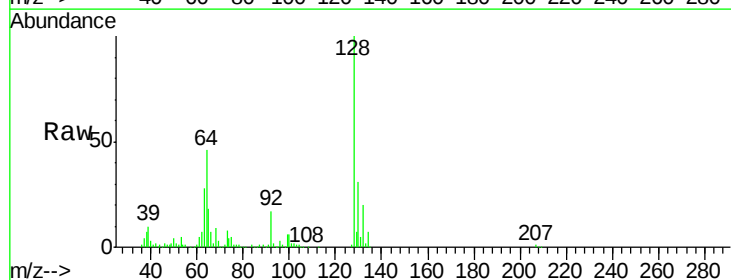
Delta R.T. -0.01 min

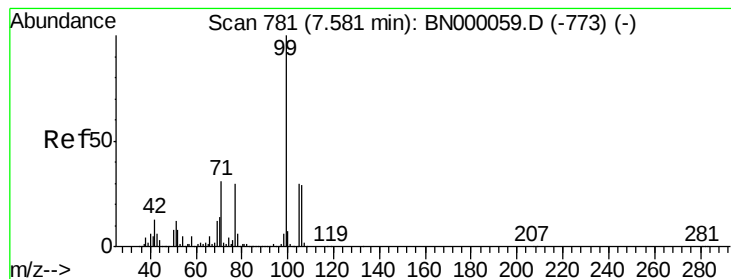
Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Tgt Ion: 128 Resp: 430154

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 31.1  | 14.0  | 54.0  |
| 64  | 45.7  | 37.7  | 77.7  |





#9

Benzaldehyde

Concen: 12.252 ng

RT: 7.58 min Scan# 780

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

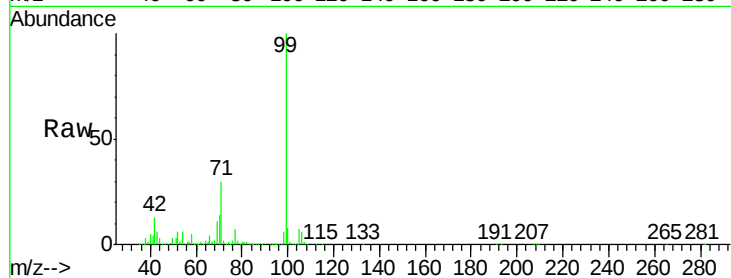
Tot Ion: 77 Resp: 224213

Ion Ratio Lower Upper

77 100

105 102.3 71.3 111.3

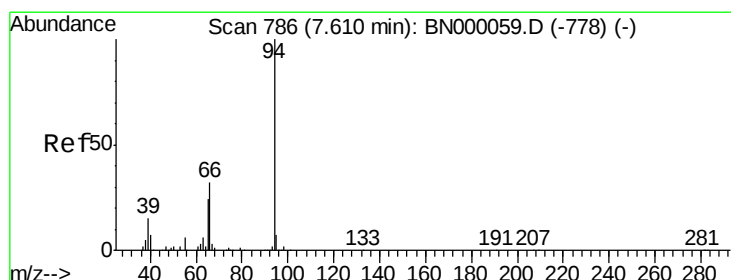
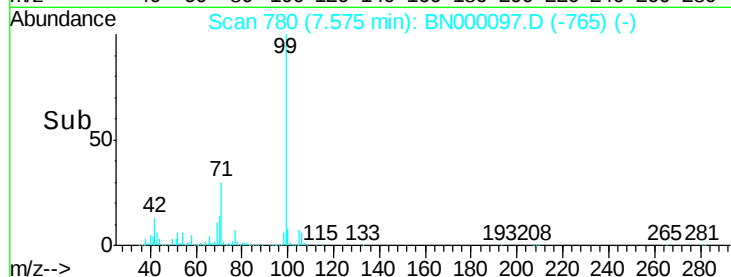
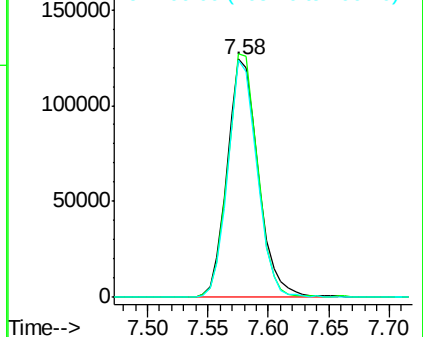
106 99.4 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 105.00 (104.70 to 105.70): BN0

Ion 106.00 (105.70 to 106.70): BN0



#10

Phenol

Concen: 19.130 ng

RT: 7.61 min Scan# 786

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

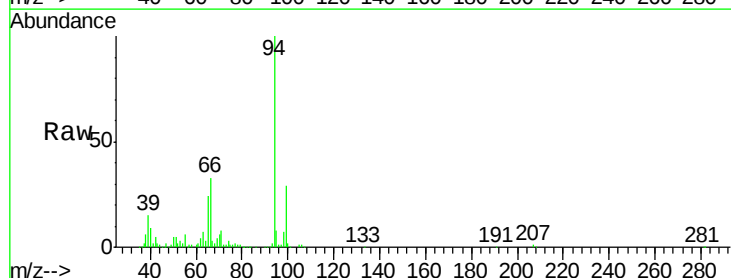
Tgt Ion: 94 Resp: 594023

Ion Ratio Lower Upper

94 100

65 24.1 11.9 51.9

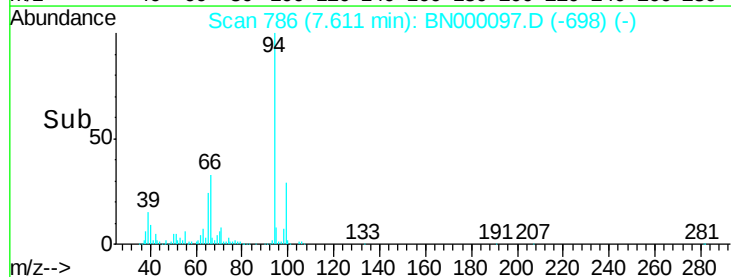
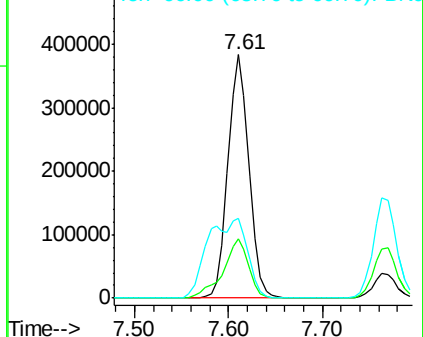
66 32.5 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0





#11

bis(2-Chloroethyl)ether

Concen: 18.862 ng

RT: 7.86 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

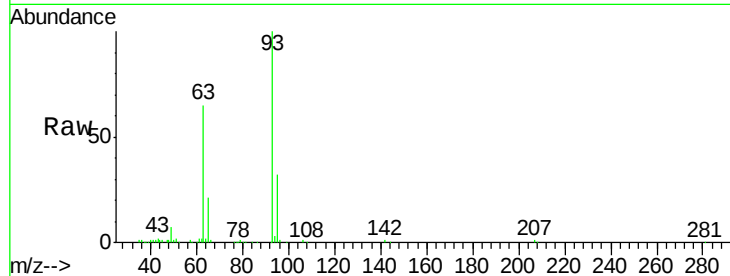
Tot Ion: 93 Resp: 481711

Ion Ratio Lower Upper

93 100

63 65.0 67.1 107.1#

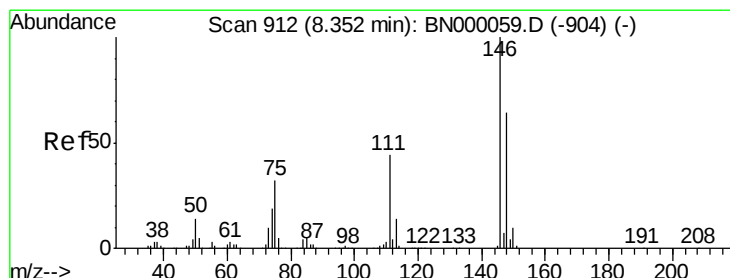
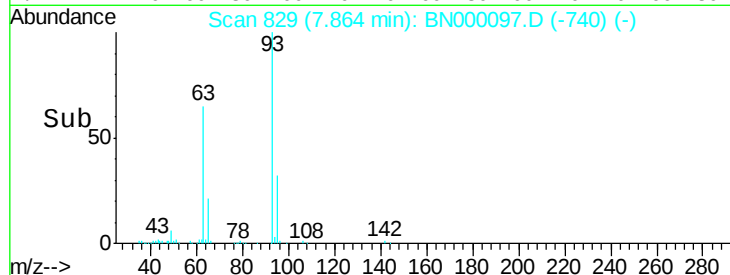
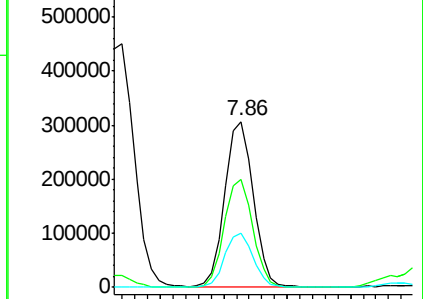
95 32.4 11.5 51.5



Abundance Ion 93.00 (92.70 to 93.70): BN000059.D (-822) (-)

Ion 63.00 (62.70 to 63.70): BN000059.D (-822) (-)

Ion 95.00 (94.70 to 95.70): BN000059.D (-822) (-)



#12

1,3-Dichlorobenzene

Concen: 18.838 ng

RT: 8.35 min Scan# 912

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

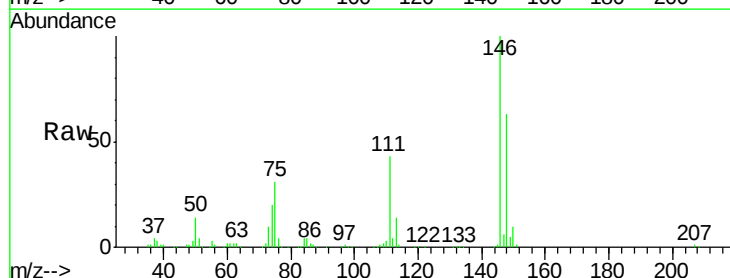
Tgt Ion: 146 Resp: 486102

Ion Ratio Lower Upper

146 100

148 62.9 51.4 77.2

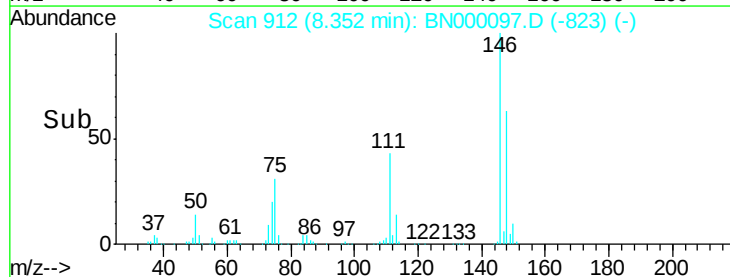
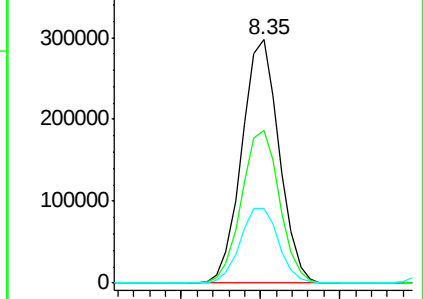
75 30.8 26.6 39.8



Abundance Ion 146.00 (145.70 to 146.70): BN000059.D (-904) (-)

Ion 148.00 (147.70 to 148.70): BN000059.D (-904) (-)

Ion 75.00 (74.70 to 75.70): BN000059.D (-904) (-)

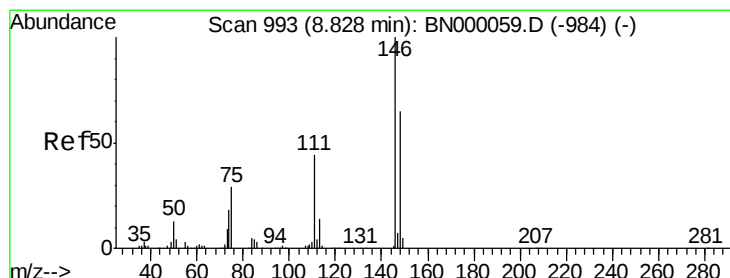
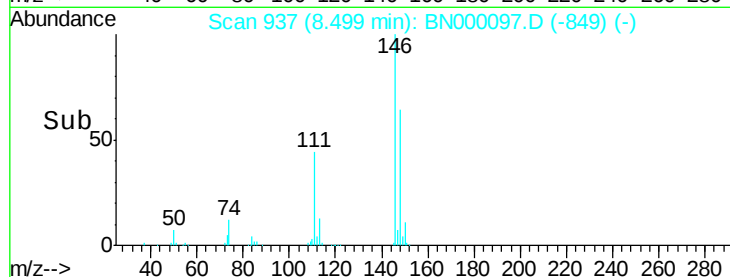
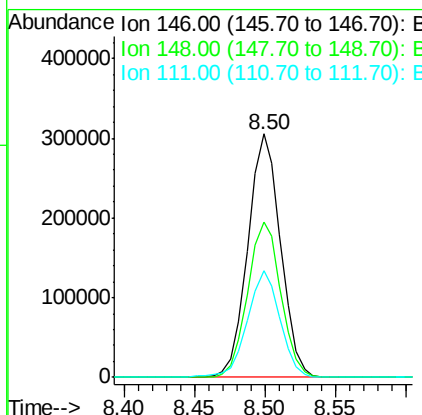
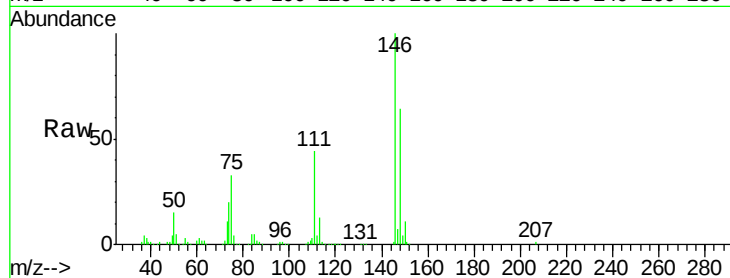




#13  
 1,4-Dichlorobenzene  
 Concen: 18.794 ng  
 RT: 8.50 min Scan# 937  
 Delta R.T. -0.01 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

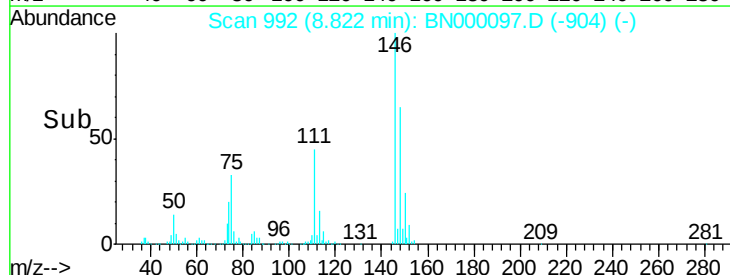
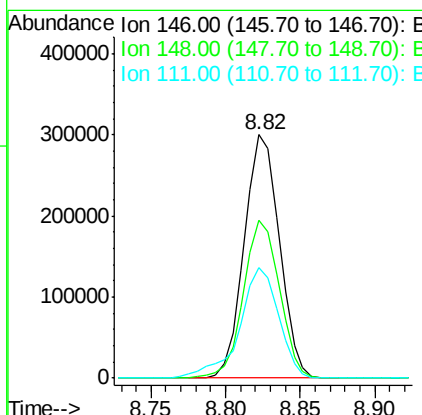
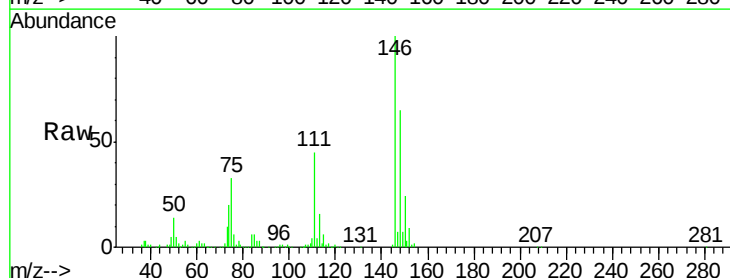
Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2018

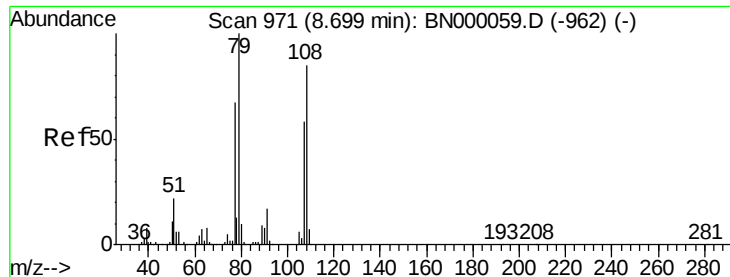
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.0  | 53.7  | 80.5  |
| 111     | 43.8  | 35.2  | 52.8  |



#14  
 1,2-Dichlorobenzene  
 Concen: 18.893 ng  
 RT: 8.82 min Scan# 992  
 Delta R.T. -0.01 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.6  | 49.3  | 73.9  |
| 111     | 45.2  | 34.3  | 51.5  |





#15

Benzyl Alcohol

Concen: 17.753 ng

RT: 8.69 min Scan# 970

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

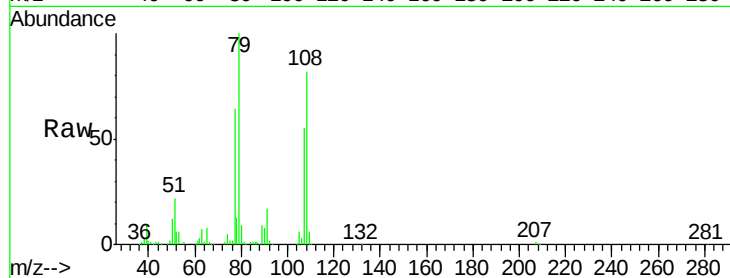
Tot Ion: 79 Resp: 375349

Ion Ratio Lower Upper

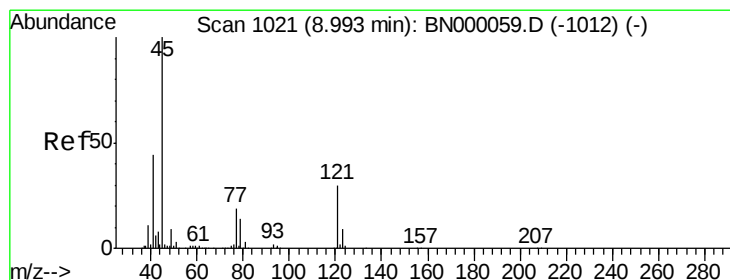
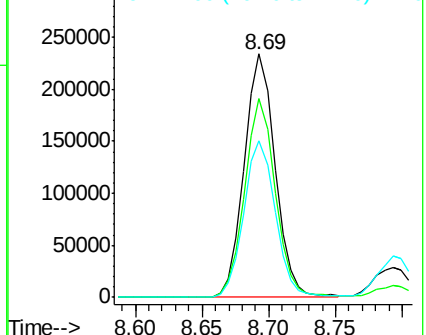
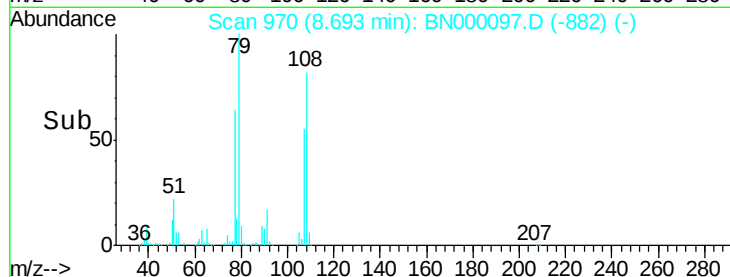
79 100

108 81.8 57.2 85.8

77 64.4 46.1 69.1



Abundance Ion 79.00 (78.70 to 79.70): BN0  
Ion 108.00 (107.70 to 108.70): BN0  
Ion 77.00 (76.70 to 77.70): BN0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 18.825 ng

RT: 8.99 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

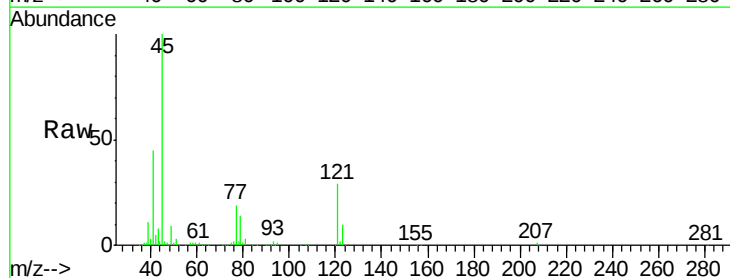
Tgt Ion: 45 Resp: 508894

Ion Ratio Lower Upper

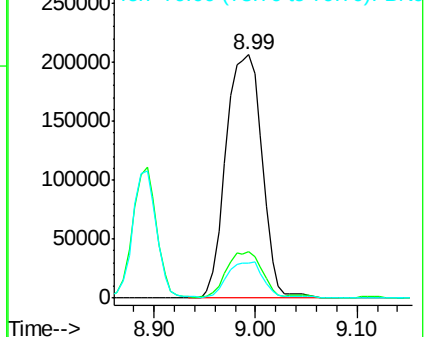
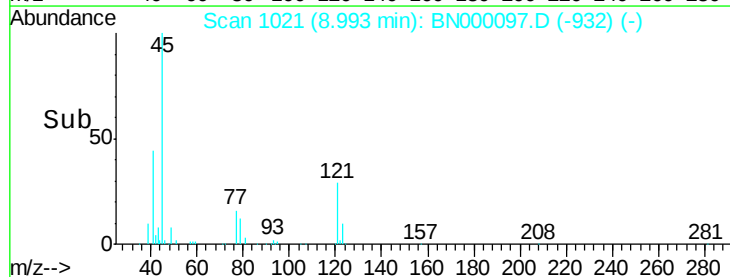
45 100

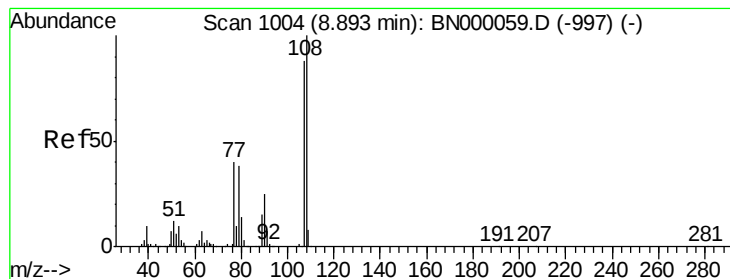
77 19.2 0.0 30.2

79 14.3 0.0 27.9



Abundance Ion 45.00 (44.70 to 45.70): BN0  
Ion 77.00 (76.70 to 77.70): BN0  
Ion 79.00 (78.70 to 79.70): BN0





#17

2-Methylphenol

Concen: 18.579 ng

RT: 8.89 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:107 Resp: 409990

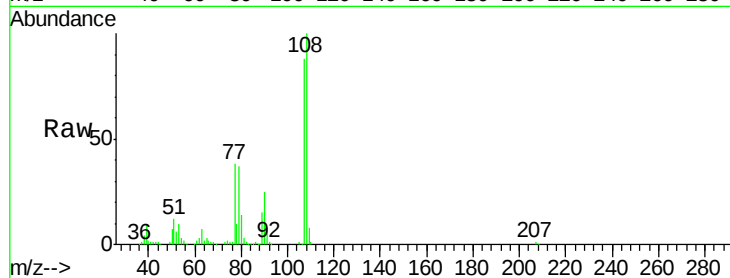
Ion Ratio Lower Upper

107 100

108 113.2 83.9 125.9

77 43.4 37.2 55.8

79 42.2 36.2 54.2

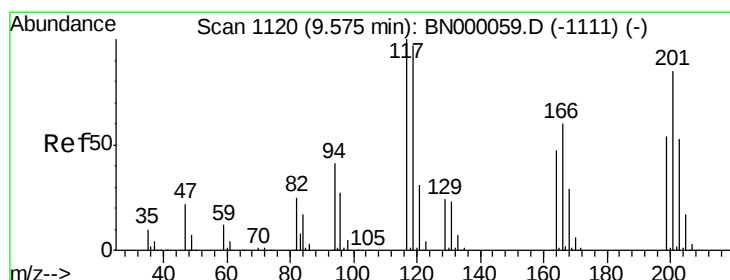
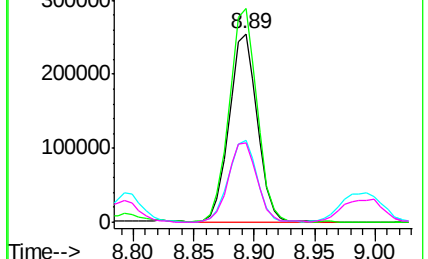
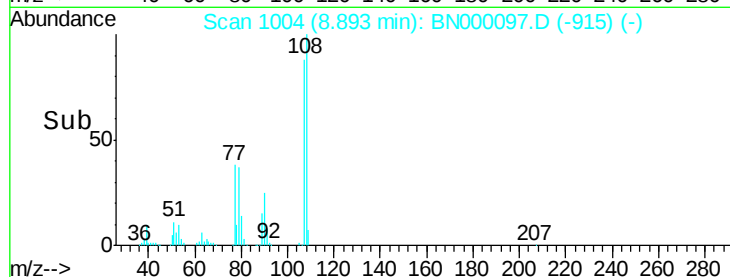


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#18

Hexachloroethane

Concen: 18.119 ng

RT: 9.57 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

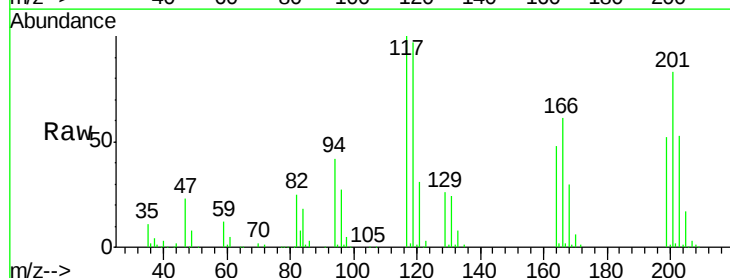
Tgt Ion:117 Resp: 166211

Ion Ratio Lower Upper

117 100

119 97.2 76.7 115.1

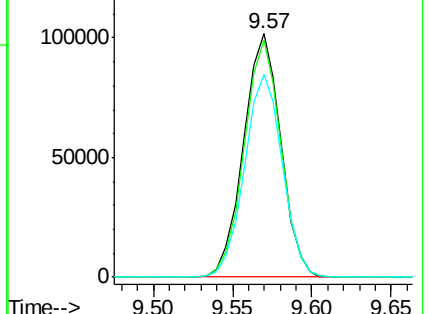
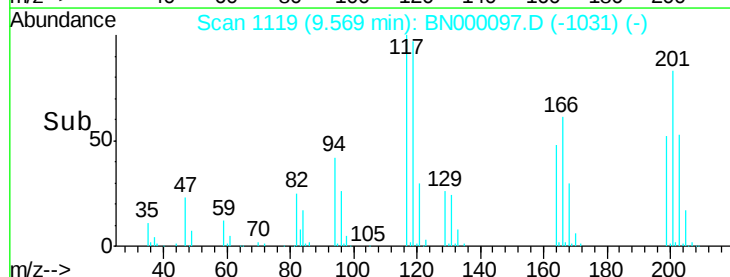
201 83.1 95.7 143.5#

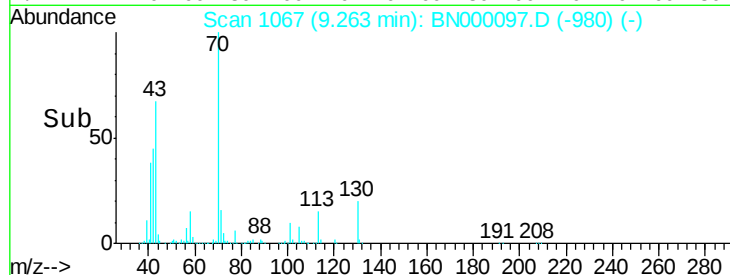
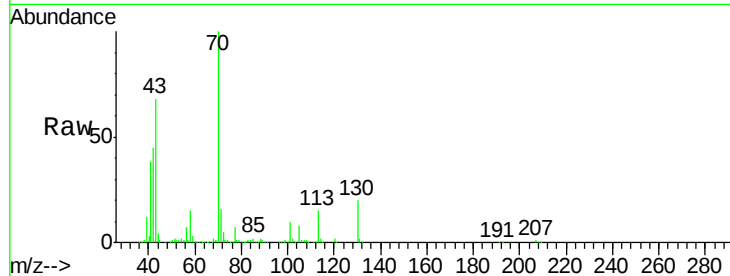
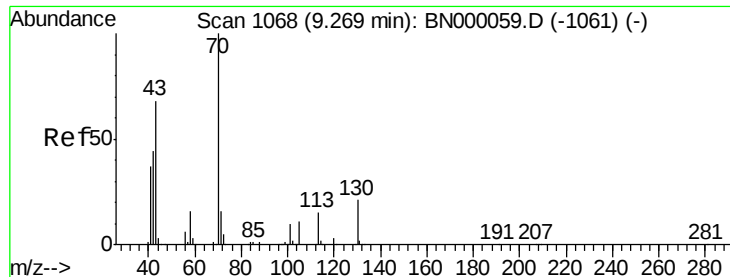


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

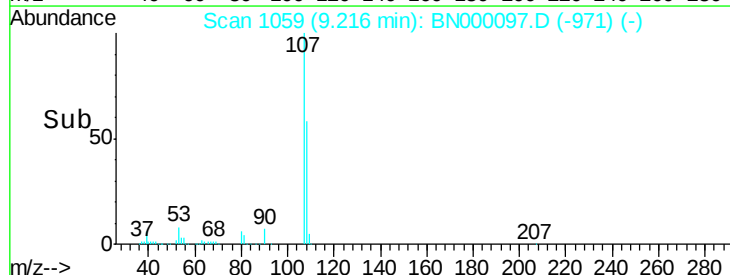
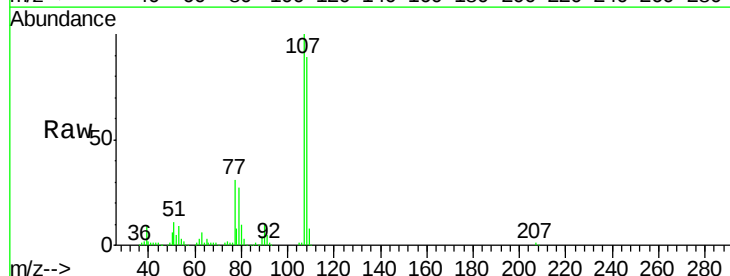
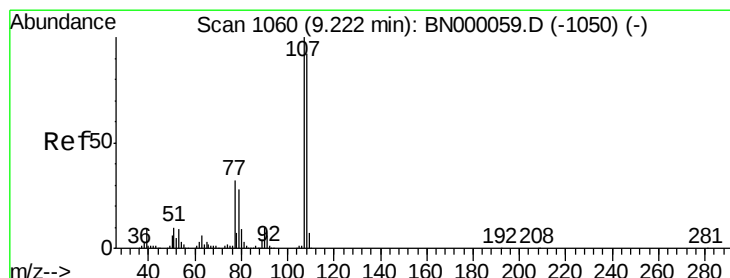
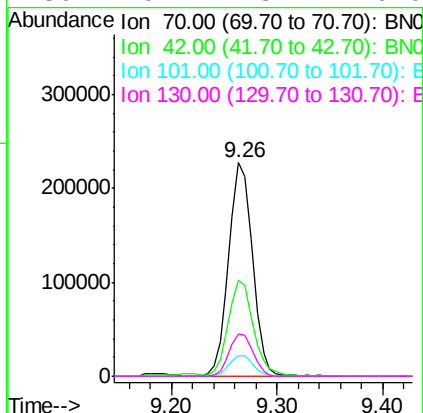




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.893 ng  
RT: 9.26 min Scan# 1067  
Delta R.T. -0.02 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

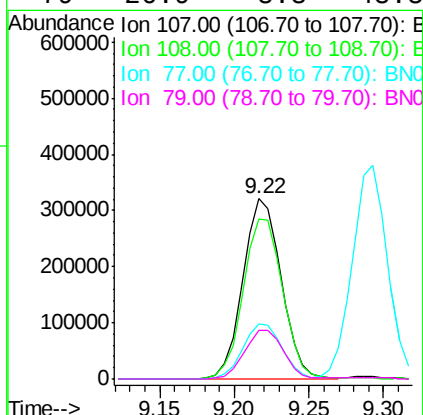
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT1-2018

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 352697 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 45.2  | 49.1  | 73.7#  |
| 101      | 9.8   | 8.5   | 12.7   |
| 130      | 19.7  | 13.4  | 20.0   |



#20  
3+4-Methylphenols  
Concen: 18.446 ng  
RT: 9.22 min Scan# 1059  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 569302 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.7  | 61.6  | 101.6  |
| 77       | 30.5  | 13.9  | 53.9   |
| 79       | 26.9  | 8.8   | 48.8   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.30 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:136 Resp: 1600531

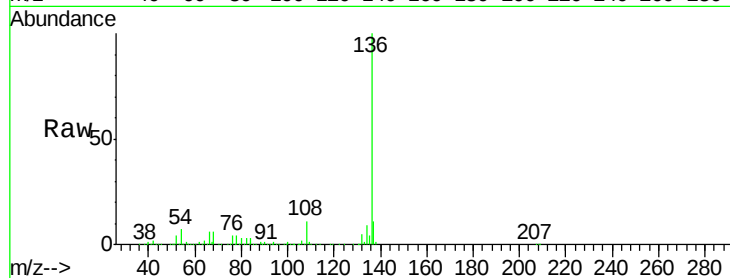
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 6.7 10.3 15.5#

68 6.2 4.5 6.7

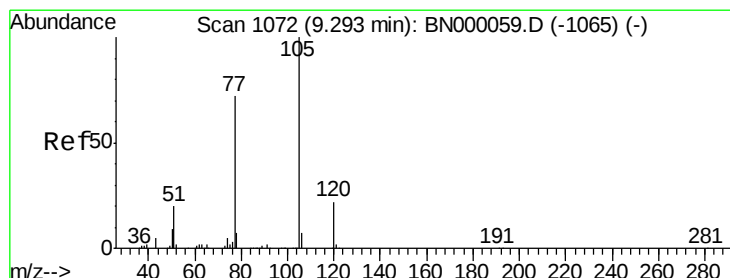
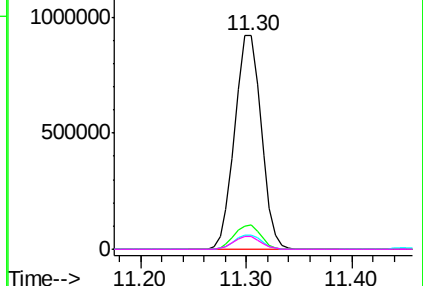
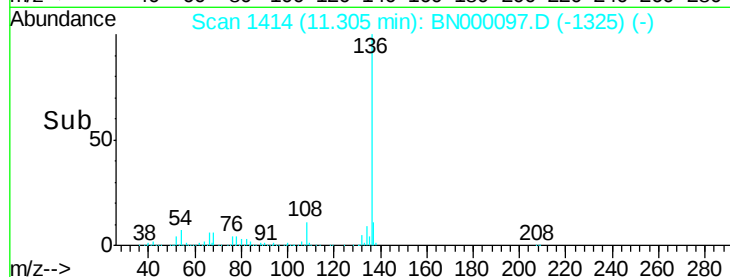


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#22

Acetophenone

Concen: 18.804 ng

RT: 9.29 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Tgt Ion:105 Resp: 843380

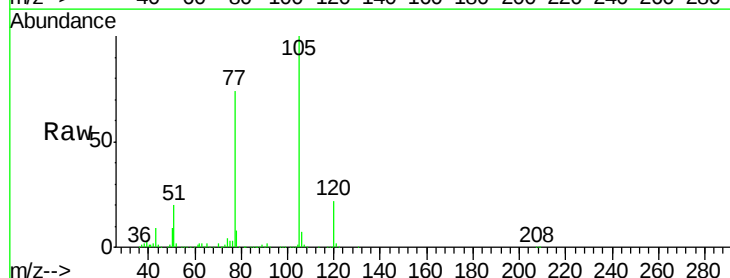
Ion Ratio Lower Upper

105 100

71 0.2 3.0 4.4#

51 19.9 26.1 39.1#

120 22.0 17.4 26.2

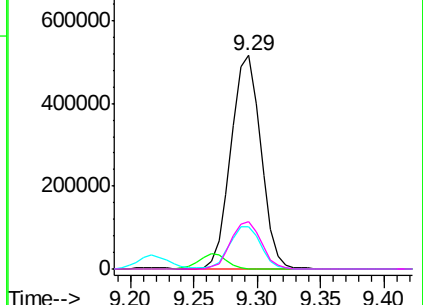
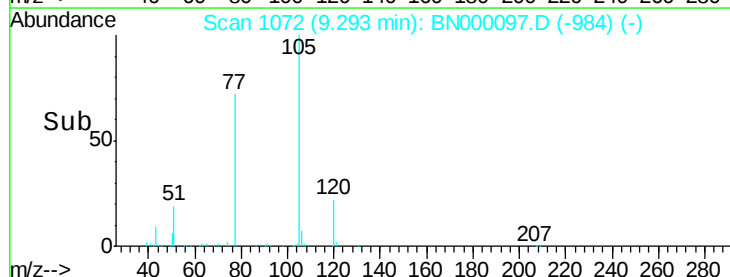


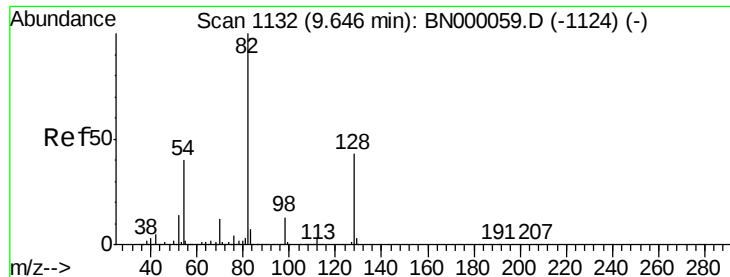
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BNC

Ion 51.00 (50.70 to 51.70): BNC

Ion 120.00 (119.70 to 120.70): E

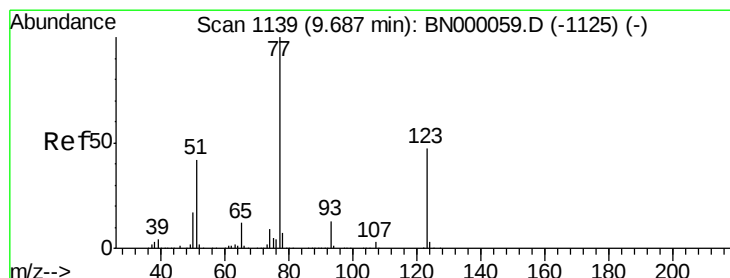
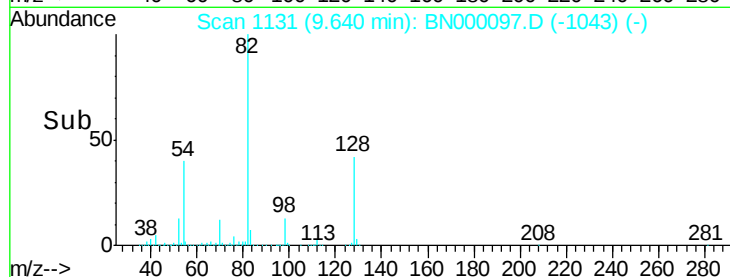
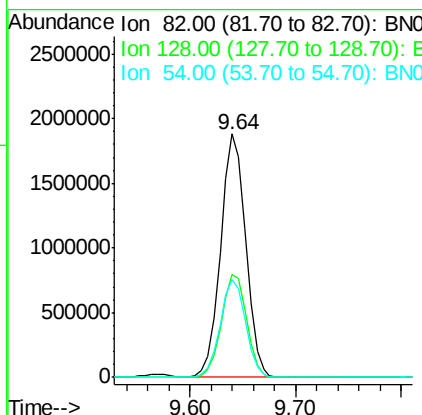
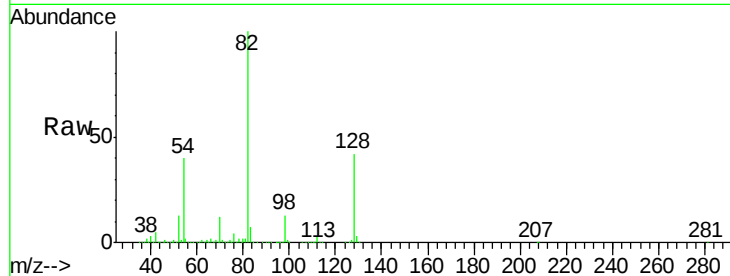




#23  
 Nitrobenzene-d5  
 Concen: 114.975 ng  
 RT: 9.64 min Scan# 1131  
 Delta R.T. -0.01 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

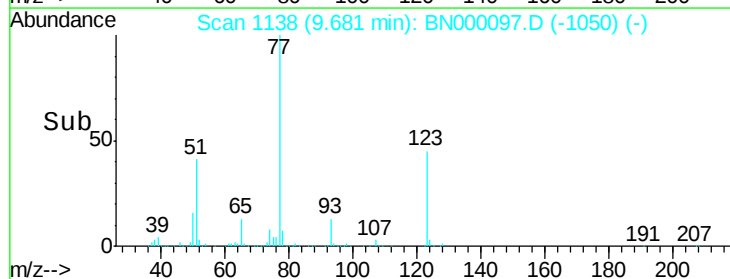
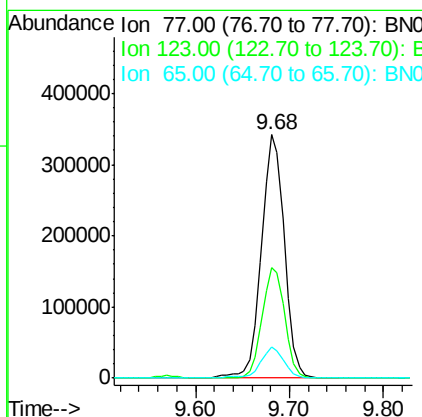
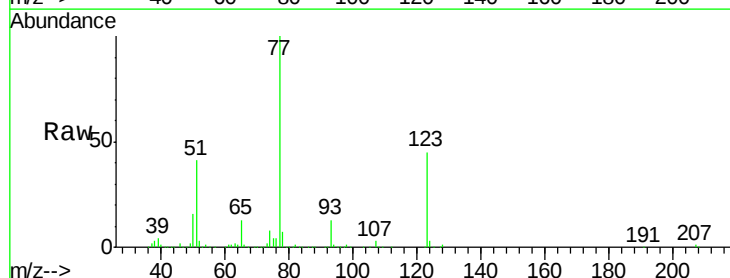
Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2018

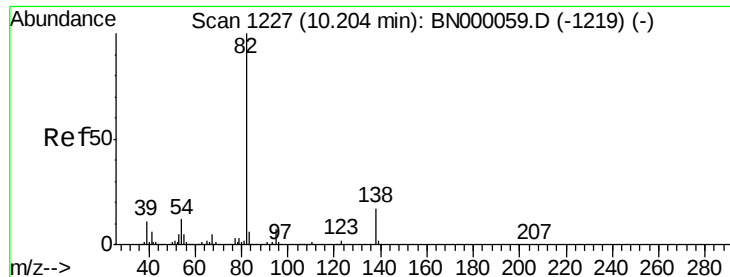
Tot Ion: 82 Resp: 3095108  
 Ion Ratio Lower Upper  
 82 100  
 128 42.2 29.7 44.5  
 54 40.0 43.1 64.7#



#24  
 Nitrobenzene  
 Concen: 19.542 ng  
 RT: 9.68 min Scan# 1138  
 Delta R.T. -0.01 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

Tgt Ion: 77 Resp: 575105  
 Ion Ratio Lower Upper  
 77 100  
 123 45.3 33.0 49.6  
 65 12.6 13.0 19.6#





#25

Isophorone

Concen: 17.679 ng

RT: 10.20 min Scan# 1227

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

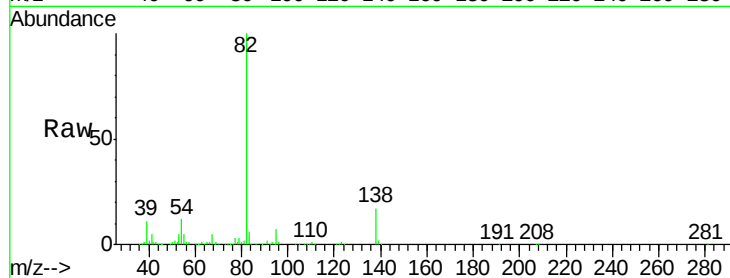
Tot Ion: 82 Resp: 983801

Ion Ratio Lower Upper

82 100

95 7.1 6.2 9.2

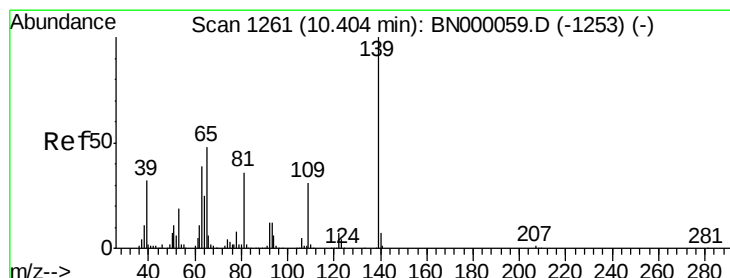
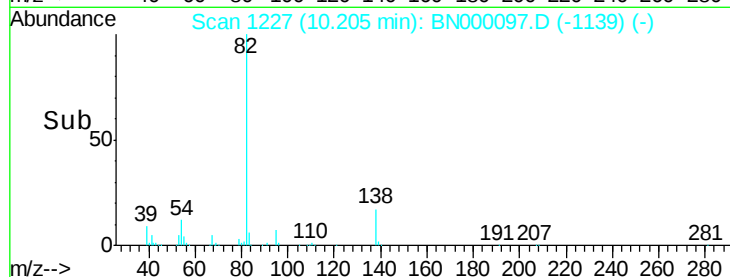
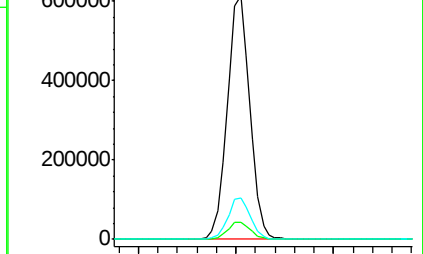
138 17.2 12.1 18.1



Abundance Ion 82.00 (81.70 to 82.70): BN000059.D (-1219) (-)

Ion 95.00 (94.70 to 95.70): BN000059.D (-1219) (-)

Ion 138.00 (137.70 to 138.70): BN000059.D (-1219) (-)



#26

2-Nitrophenol

Concen: 19.226 ng

RT: 10.40 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

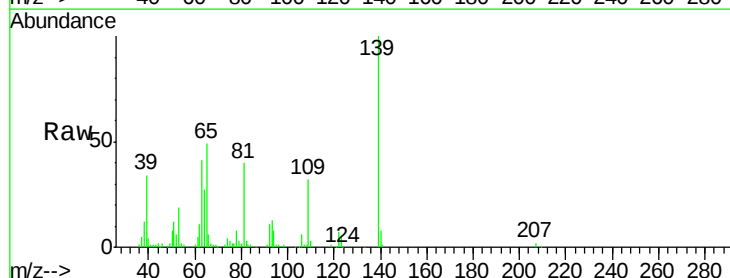
Tgt Ion: 139 Resp: 170695

Ion Ratio Lower Upper

139 100

109 32.0 24.2 36.2

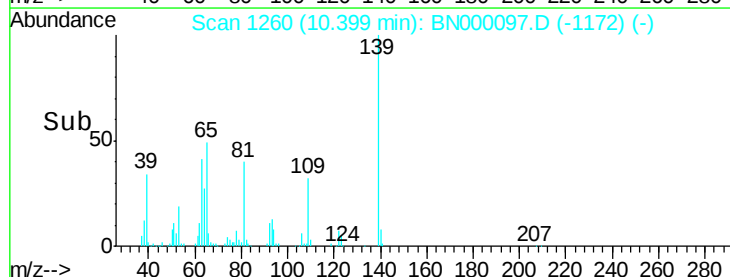
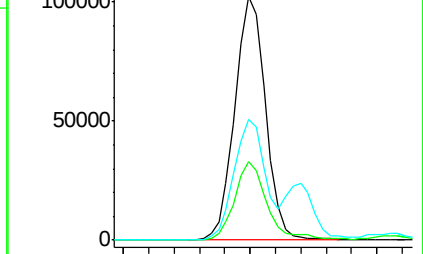
65 49.5 47.4 71.0

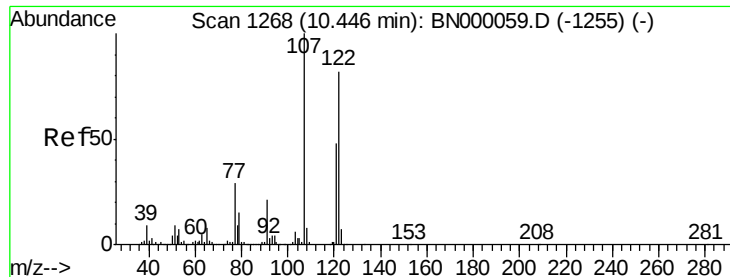


Abundance Ion 139.00 (138.70 to 139.70): BN000059.D (-1253) (-)

Ion 109.00 (108.70 to 109.70): BN000059.D (-1253) (-)

Ion 65.00 (64.70 to 65.70): BN000059.D (-1253) (-)

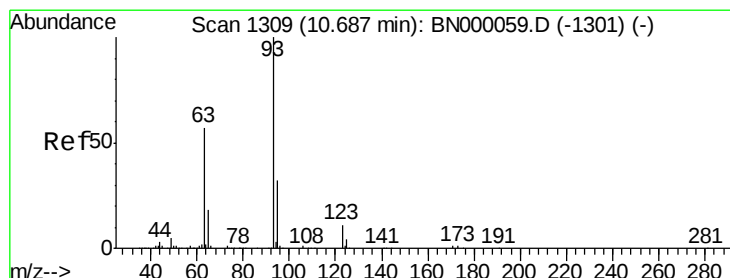
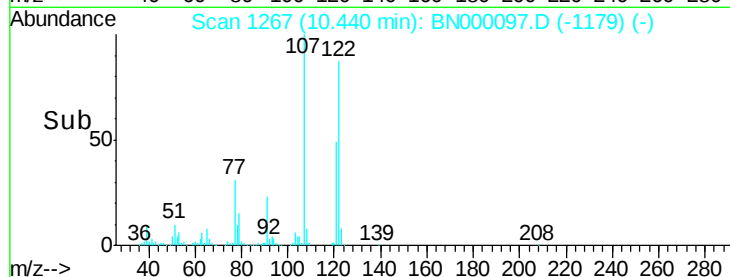
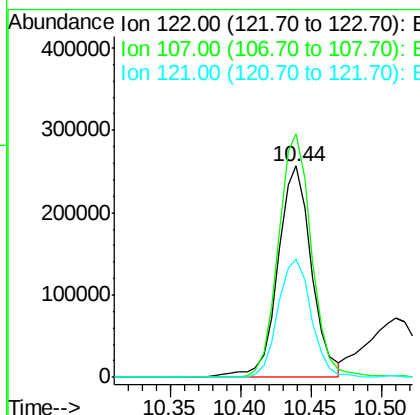
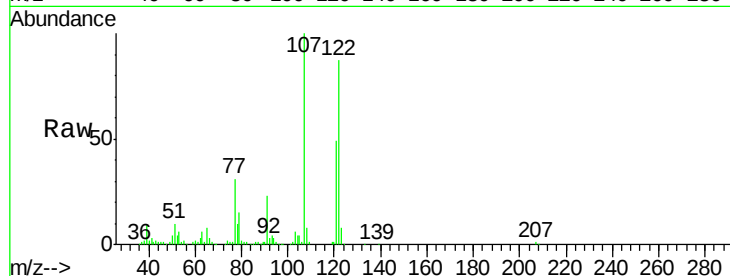




#27  
2,4-Dimethylphenol  
Concen: 17.630 ng  
RT: 10.44 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

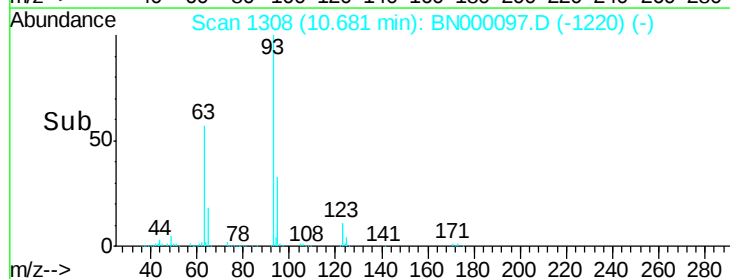
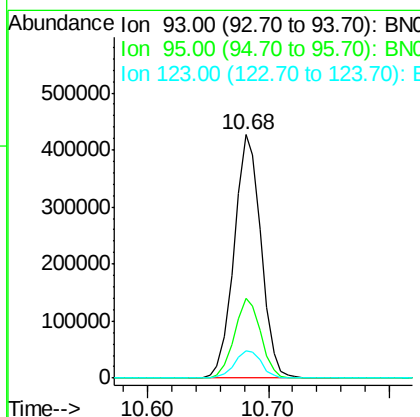
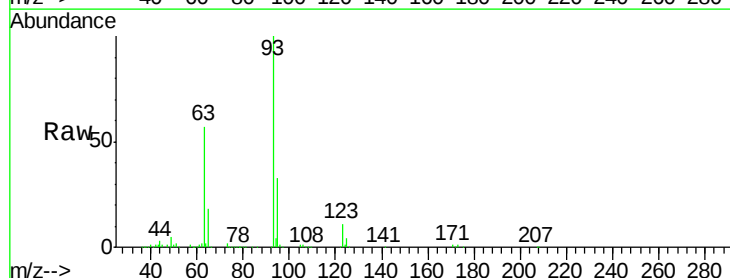
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT1-2018

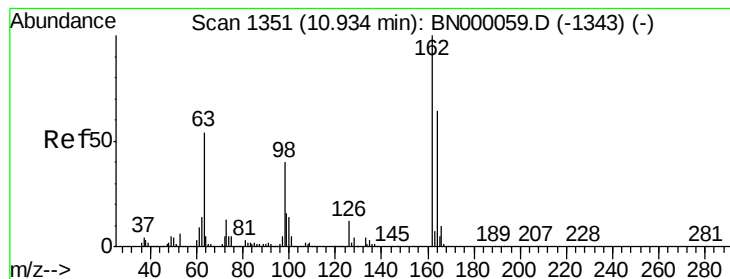
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 115.1 | 100.2 | 150.2 |
| 121     | 56.1  | 44.4  | 66.6  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 18.537 ng  
RT: 10.68 min Scan# 1308  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.7  | 24.3  | 36.5  |
| 123     | 11.2  | 8.4   | 12.6  |





#29

2,4-Dichlorophenol

Concen: 17.117 ng

RT: 10.93 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

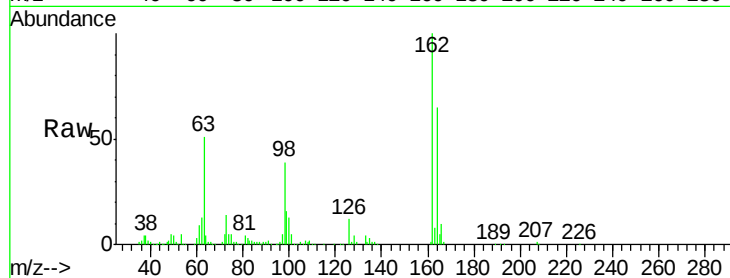
Tot Ion:162 Resp: 382157

Ion Ratio Lower Upper

162 100

164 64.6 48.0 88.0

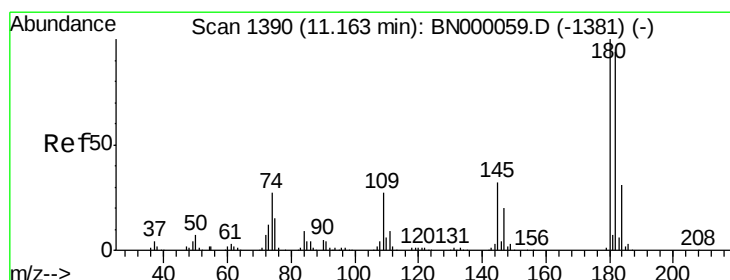
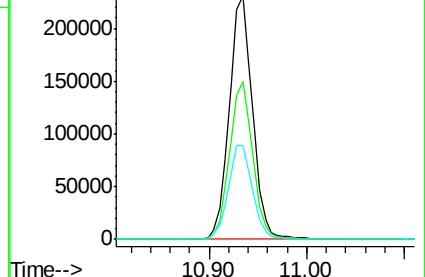
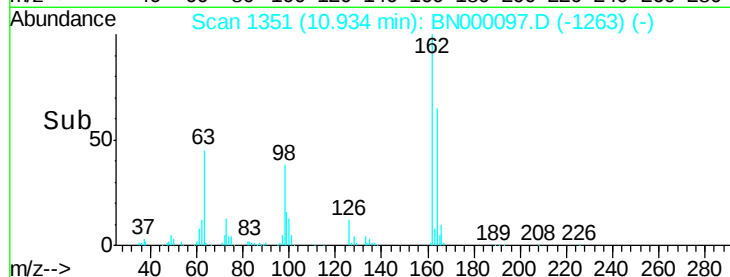
98 38.7 21.1 61.1



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): BNC



#30

1,2,4-Trichlorobenzene

Concen: 18.571 ng

RT: 11.16 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

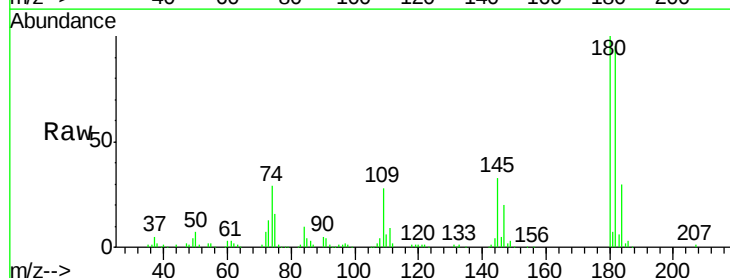
Tgt Ion:180 Resp: 477478

Ion Ratio Lower Upper

180 100

182 94.7 77.5 116.3

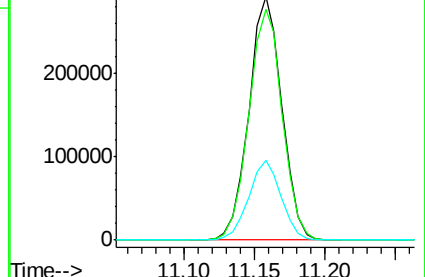
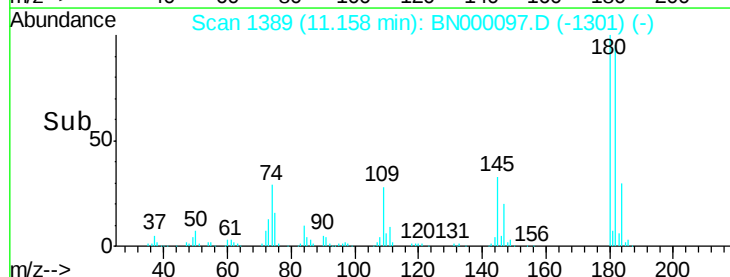
145 32.5 23.4 35.2



Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

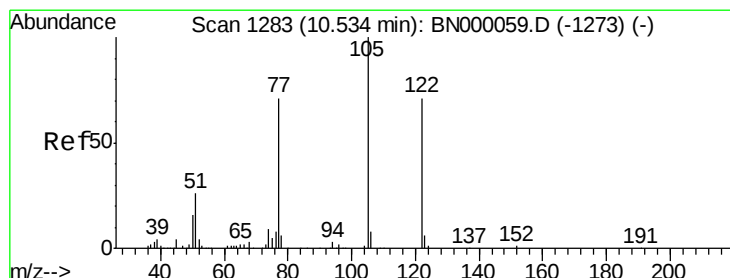
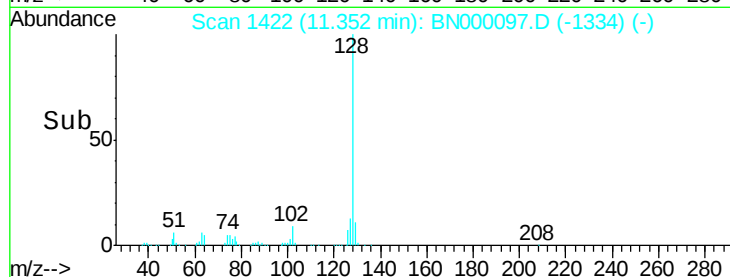
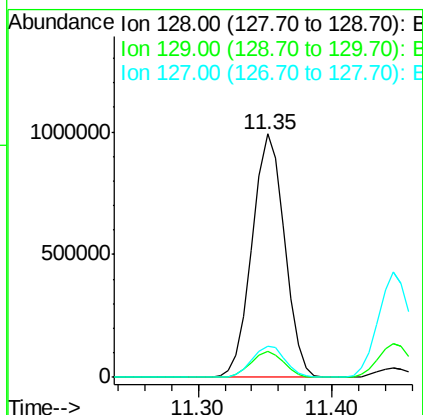
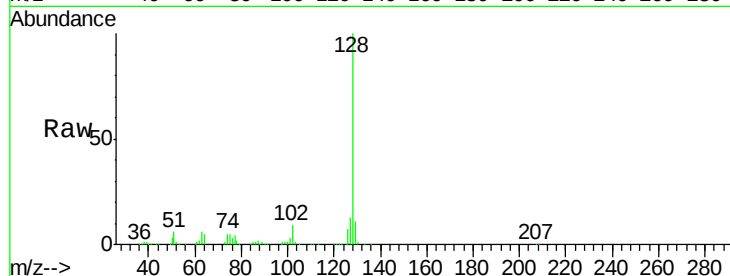




#31  
Naphthalene  
Concen: 18.973 ng  
RT: 11.35 min Scan# 1422  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

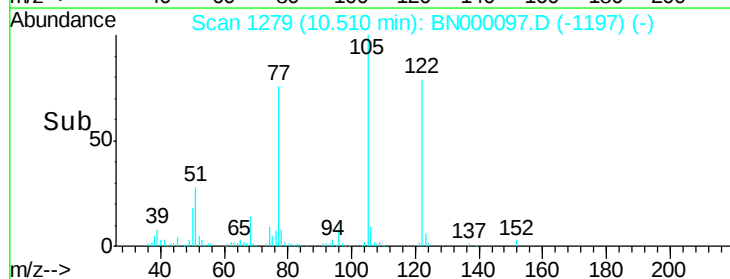
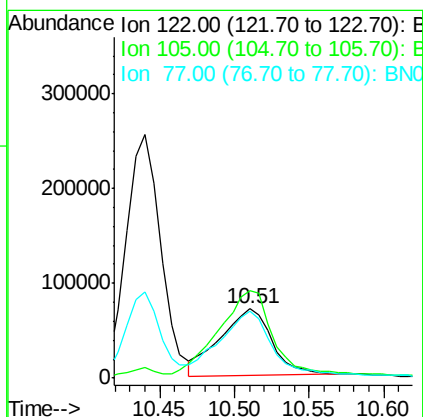
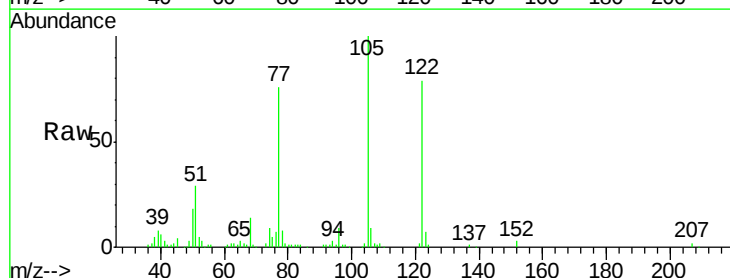
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT1-2018

Tot Ion:128 Resp: 1664807  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.6 12.8  
127 13.0 11.6 17.4



#32  
Benzoic acid  
Concen: 17.892 ng  
RT: 10.51 min Scan# 1279  
Delta R.T. -0.05 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

Tgt Ion:122 Resp: 168710  
Ion Ratio Lower Upper  
122 100  
105 126.3 123.5 163.5  
77 96.6 85.7 125.7

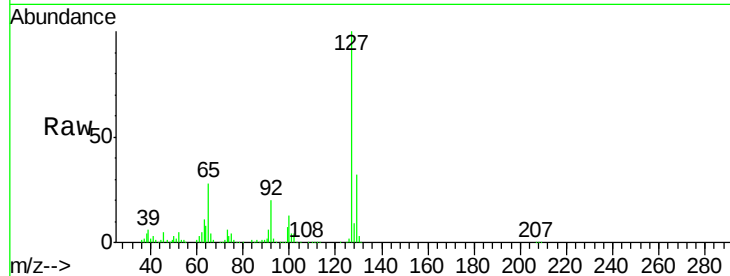




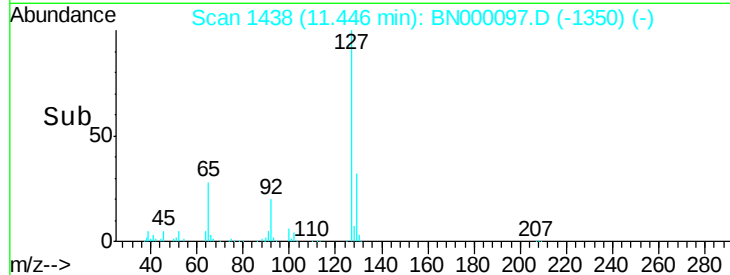
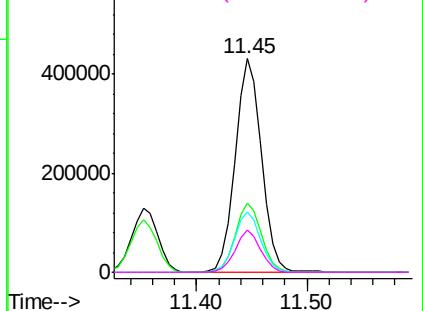
#33  
4-Chloroaniline  
Concen: 18.652 ng  
RT: 11.45 min Scan# 1438  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT1-2018

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 718954 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.3  | 24.0  | 36.0   |
| 65       | 28.4  | 27.0  | 40.4   |
| 92       | 19.7  | 16.6  | 25.0   |

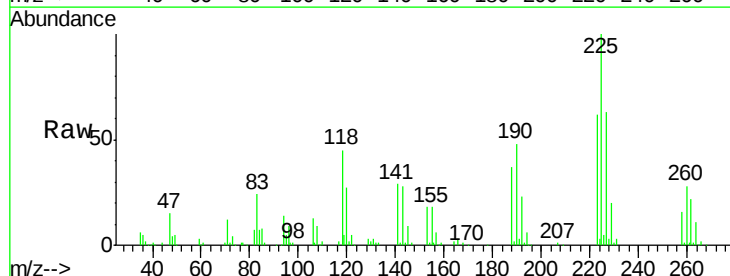


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BNC  
Ion 92.00 (91.70 to 92.70): BNC

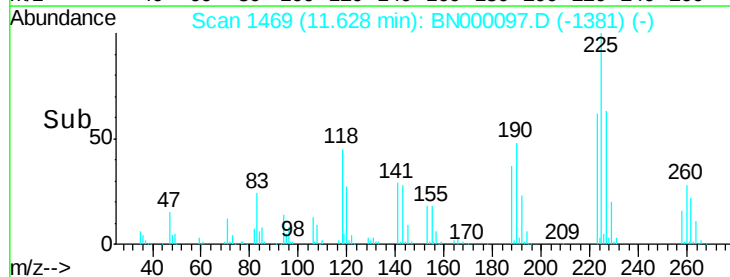
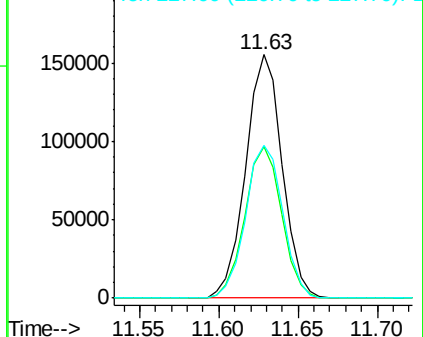


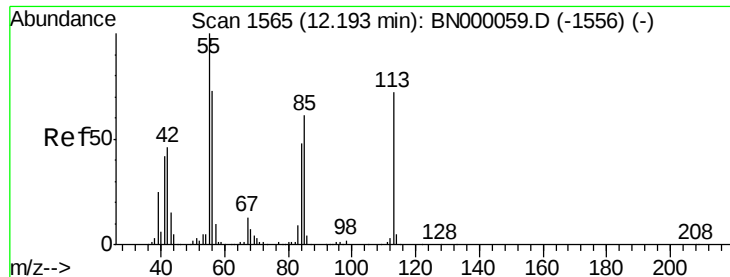
#34  
Hexachlorobutadiene  
Concen: 18.620 ng  
RT: 11.63 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 248248 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.2  | 49.7  | 74.5   |
| 227      | 62.8  | 48.1  | 72.1   |



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: 17.676 ng

RT: 12.18 min Scan# 1563

Delta R.T. -0.02 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

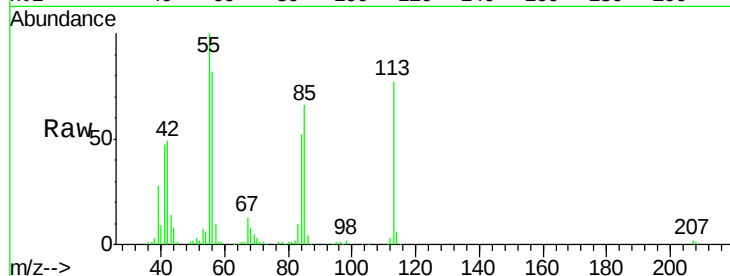
Tot Ion:113 Resp: 145465

Ion Ratio Lower Upper

113 100

55 130.0 120.0 160.0

56 106.3 90.0 130.0



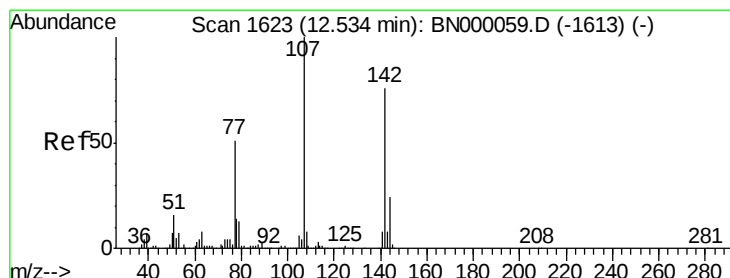
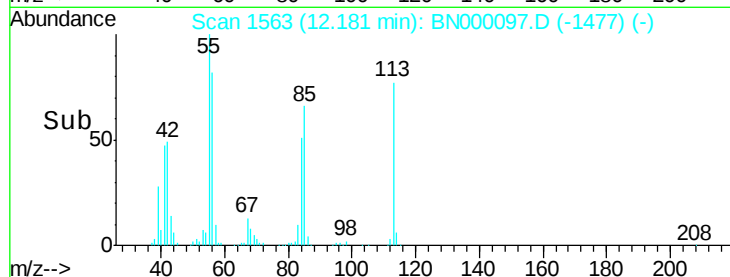
Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNC

Ion 56.00 (55.70 to 56.70): BNC

12.18

Time-->



#36

4-Chloro-3-methylphenol

Concen: 17.255 ng

RT: 12.53 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

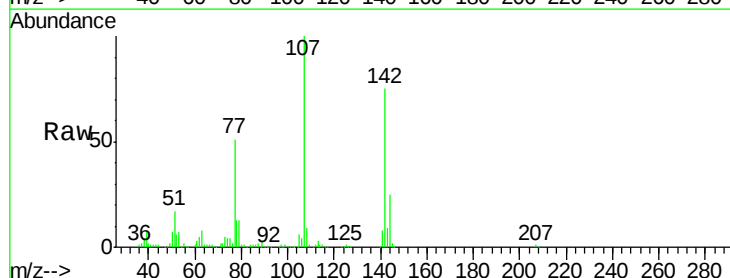
Tgt Ion:107 Resp: 489085

Ion Ratio Lower Upper

107 100

144 24.8 18.2 27.4

142 75.1 59.0 88.4



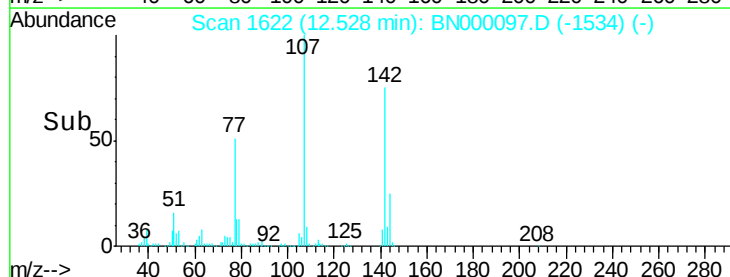
Abundance Ion 107.00 (106.70 to 107.70): E

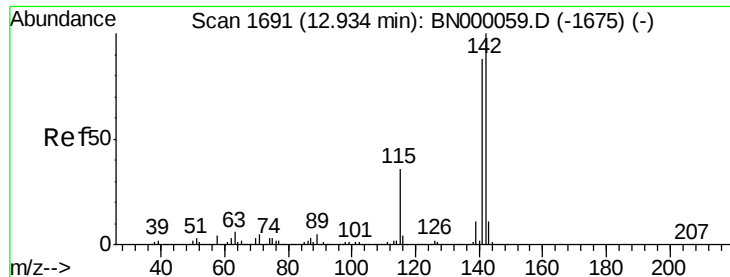
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

12.53

Time-->

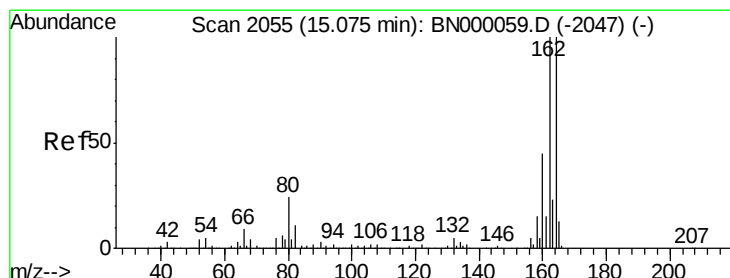
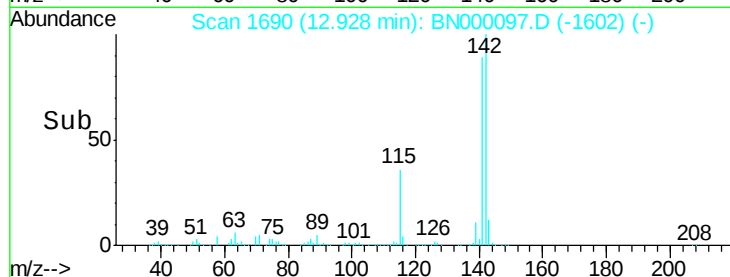
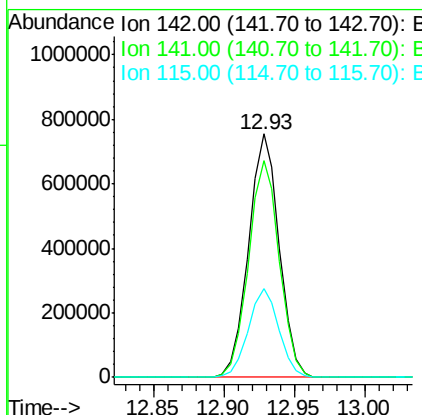
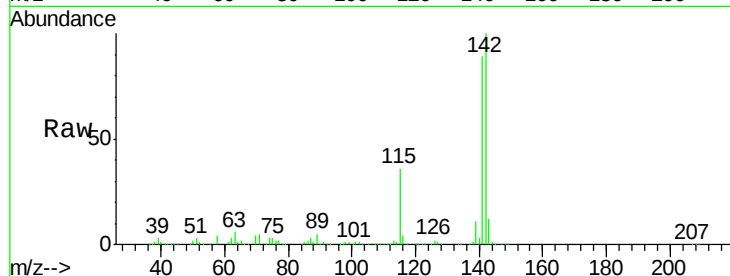




#37  
2-Methylnaphthalene  
Concen: 18.807 ng  
RT: 12.93 min Scan# 1690  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

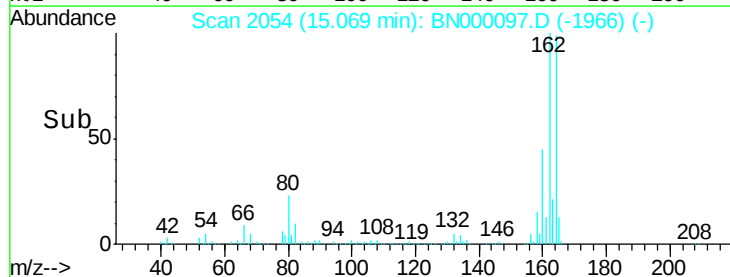
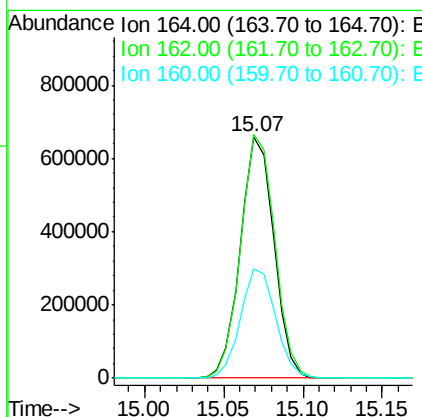
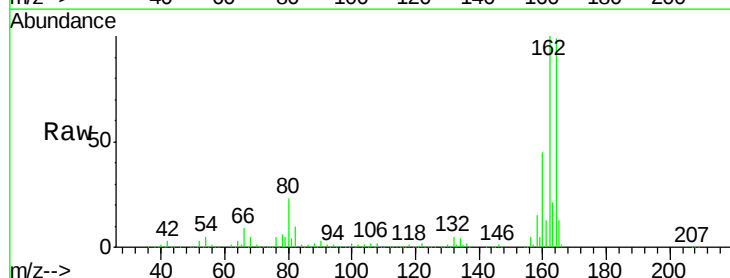
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT1-2018

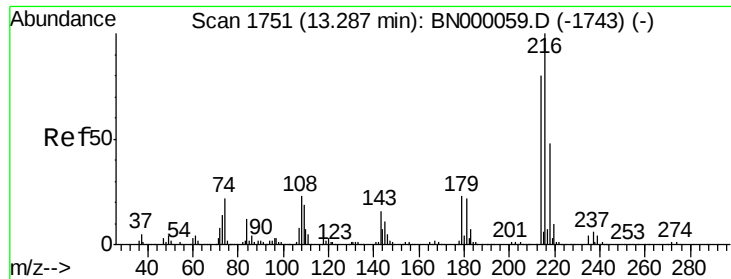
Tot Ion:142 Resp: 1148191  
Ion Ratio Lower Upper  
142 100  
141 89.1 67.1 100.7  
115 36.5 30.7 46.1



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.07 min Scan# 2054  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

Tgt Ion:164 Resp: 970882  
Ion Ratio Lower Upper  
164 100  
162 101.0 78.8 118.2  
160 45.5 35.4 53.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 18.735 ng

RT: 13.29 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:216 Resp: 536898

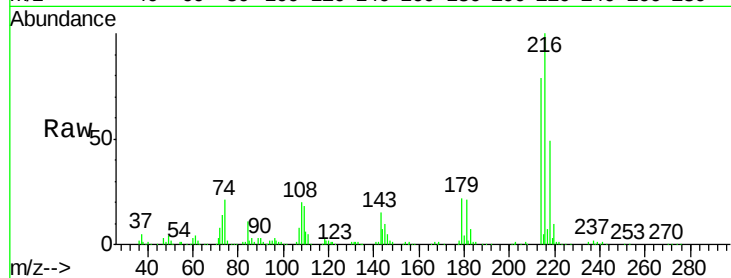
Ion Ratio Lower Upper

216 100

214 78.4 63.0 94.4

179 22.9 17.0 25.6

108 23.7 12.8 19.2#

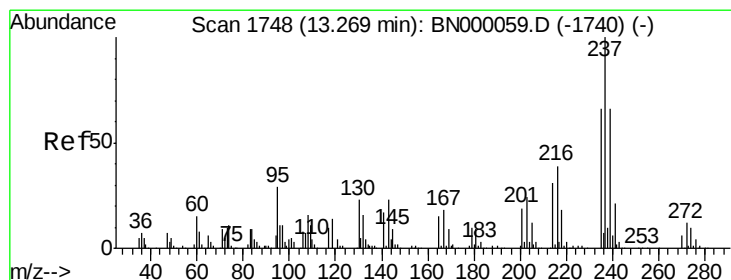
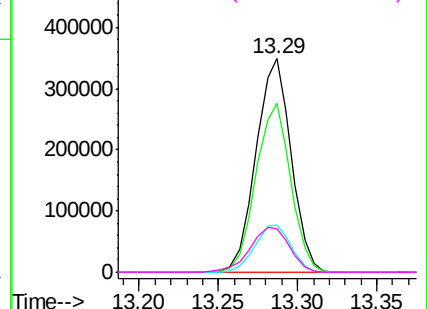
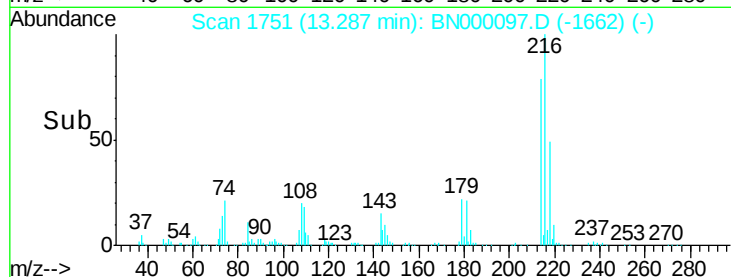


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 16.937 ng

RT: 13.26 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

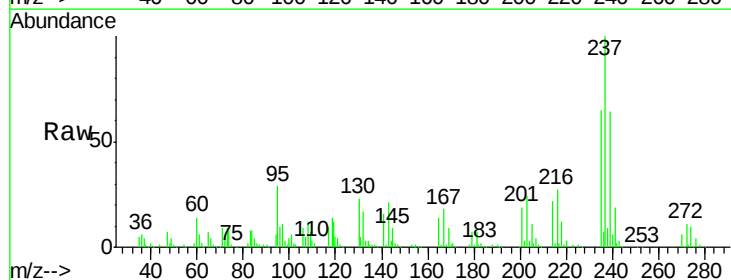
Tgt Ion:237 Resp: 202324

Ion Ratio Lower Upper

237 100

235 64.9 50.4 90.4

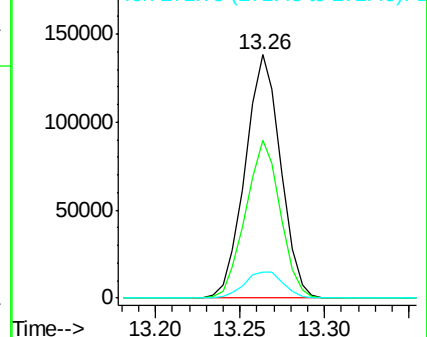
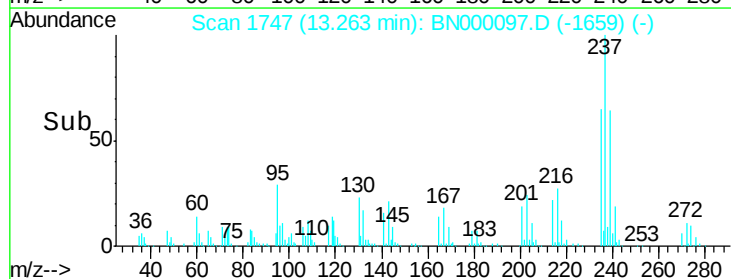
272 10.9 0.0 31.8

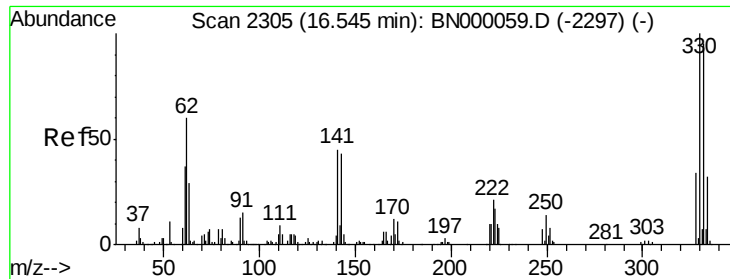


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

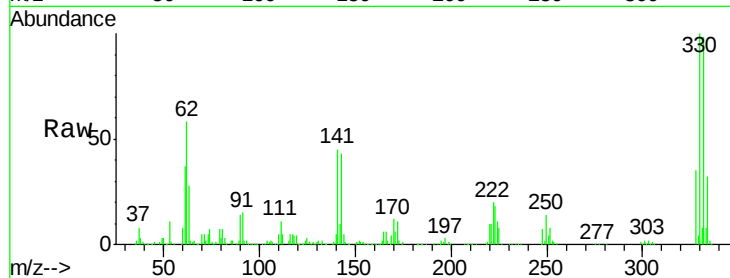




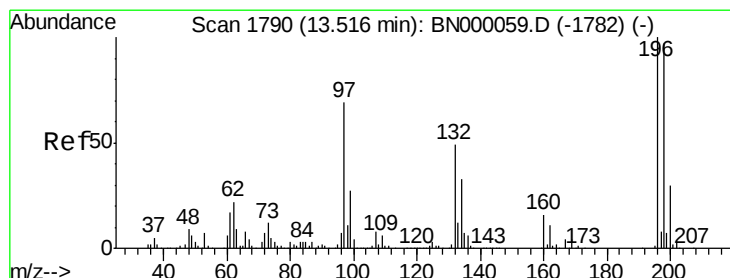
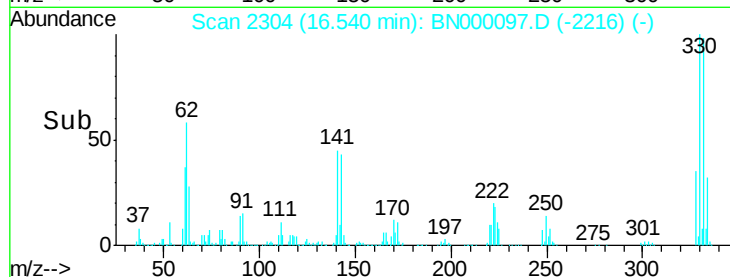
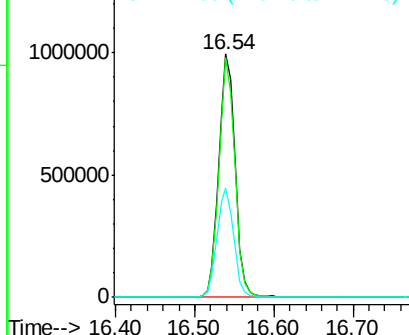
#41  
 2,4,6-Tribromophenol  
 Concen: 148.412 ng  
 RT: 16.54 min Scan# 2304  
 Delta R.T. -0.01 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2018

Tot Ion:330 Resp: 1426276  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.0 115.6  
 141 45.9 25.2 37.8#

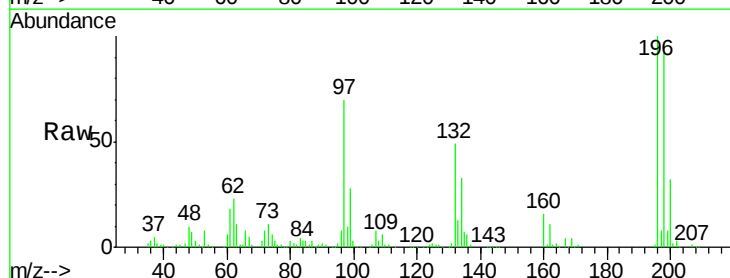


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

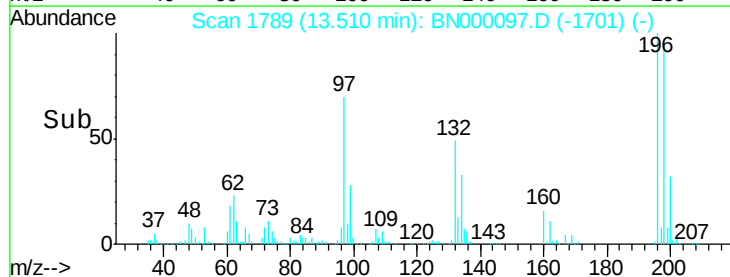
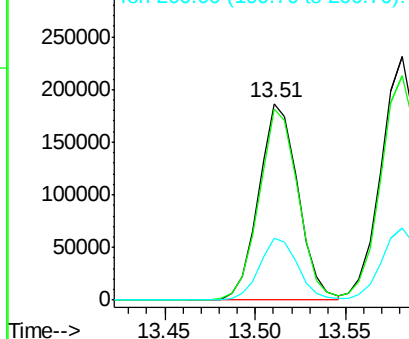


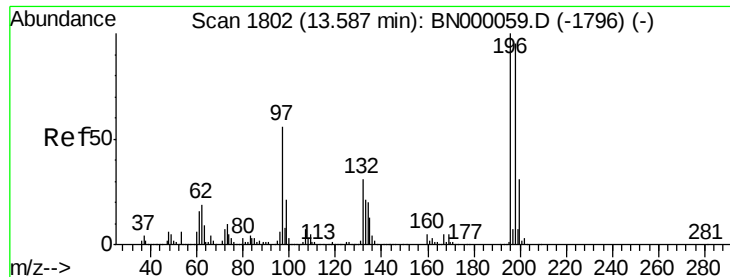
#42  
 2,4,6-Trichlorophenol  
 Concen: 16.390 ng  
 RT: 13.51 min Scan# 1789  
 Delta R.T. -0.01 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

Tgt Ion:196 Resp: 281510  
 Ion Ratio Lower Upper  
 196 100  
 198 97.0 78.2 117.2  
 200 31.7 24.6 36.8



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

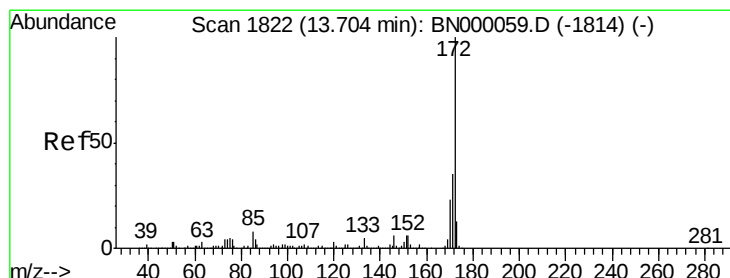
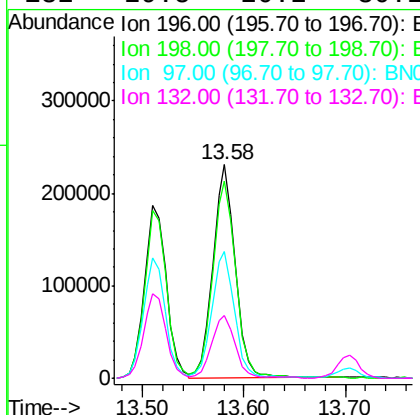
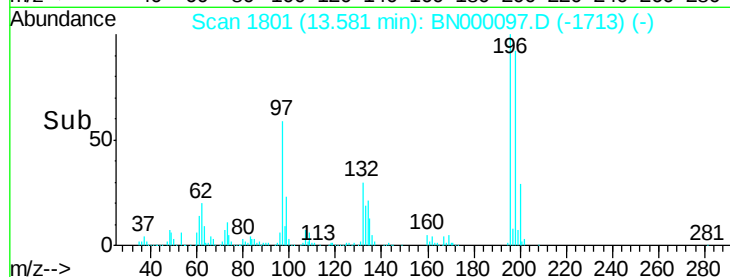
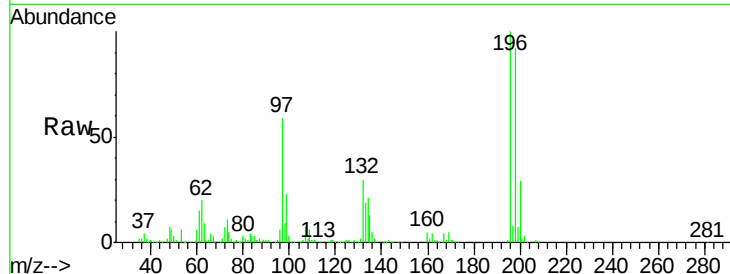




#43  
2,4,5-Trichlorophenol  
Concen: 17.044 ng  
RT: 13.58 min Scan# 1801  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

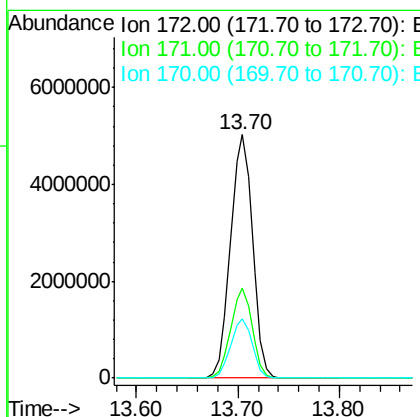
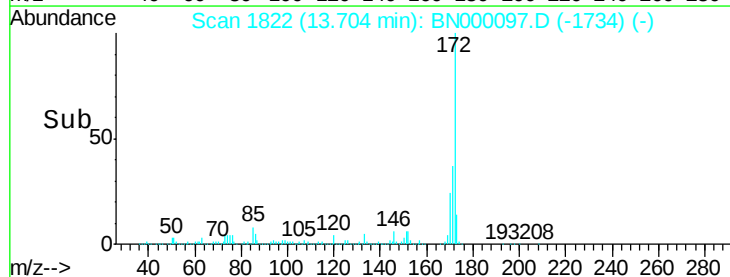
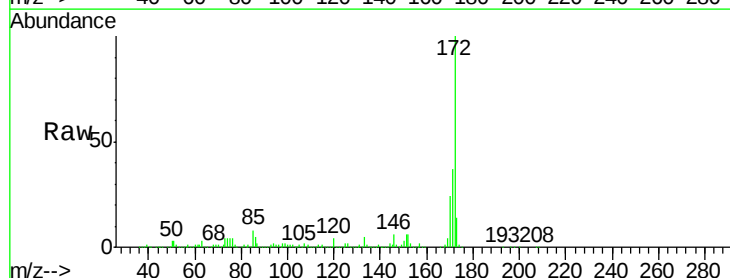
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT1-2018

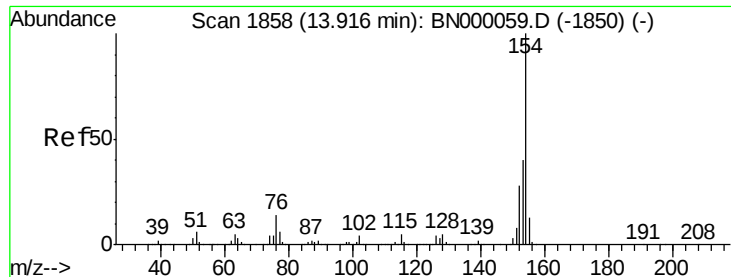
Tot Ion:196 Resp: 351911  
Ion Ratio Lower Upper  
196 100  
198 92.4 76.2 114.4  
97 59.1 38.7 58.1#  
132 29.5 20.2 30.2



#44  
2-Fluorobiphenyl  
Concen: 109.749 ng  
RT: 13.70 min Scan# 1822  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

Tgt Ion:172 Resp: 7560107  
Ion Ratio Lower Upper  
172 100  
171 37.0 30.0 45.0  
170 24.3 19.5 29.3

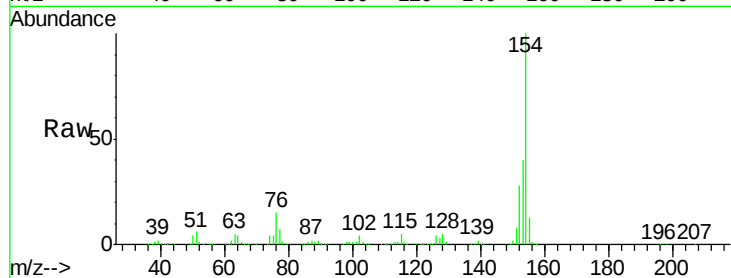




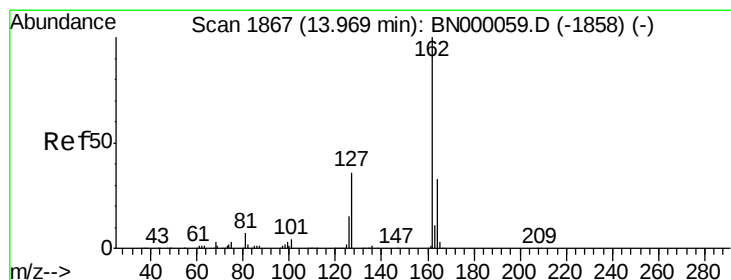
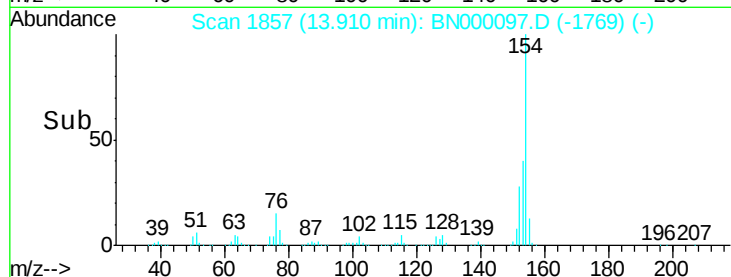
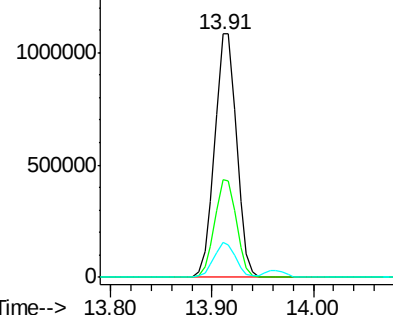
#45  
 1,1'-Biphenyl  
 Concen: 18.963 ng  
 RT: 13.91 min Scan# 1857  
 Delta R.T. -0.01 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2018

Tot Ion:154 Resp: 1621483  
 Ion Ratio Lower Upper  
 154 100  
 153 40.2 19.8 59.8  
 76 14.6 0.0 31.9

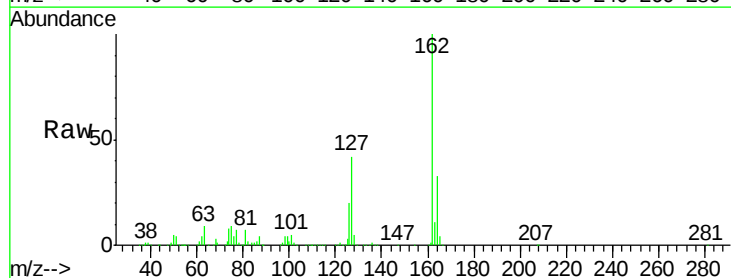


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BNC

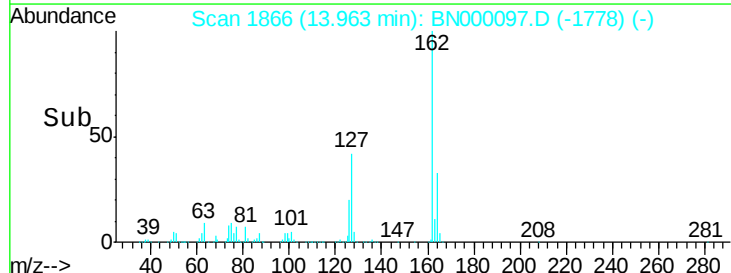
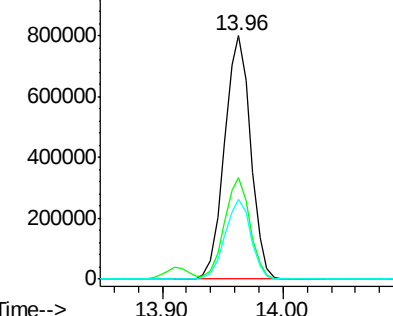


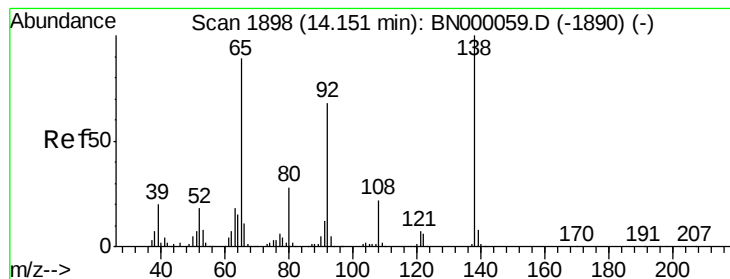
#46  
 2-Chloronaphthalene  
 Concen: 18.815 ng  
 RT: 13.96 min Scan# 1866  
 Delta R.T. -0.01 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

Tgt Ion:162 Resp: 1207177  
 Ion Ratio Lower Upper  
 162 100  
 127 41.6 30.7 46.1  
 164 32.6 26.0 39.0



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





#47

2-Nitroaniline

Concen: 18.020 ng

RT: 14.15 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

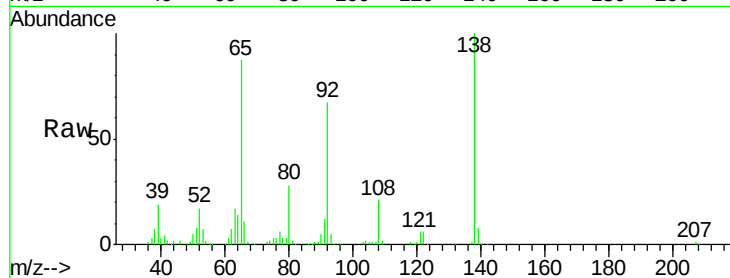
Tot Ion: 65 Resp: 275290

Ion Ratio Lower Upper

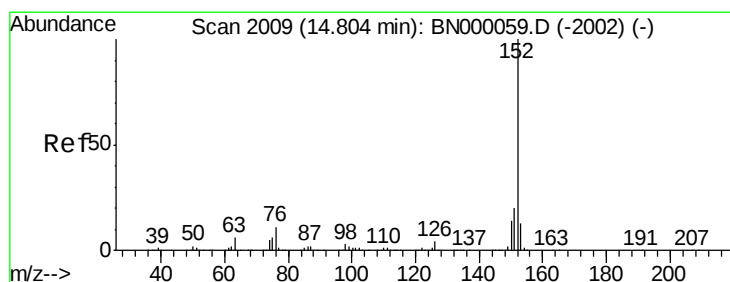
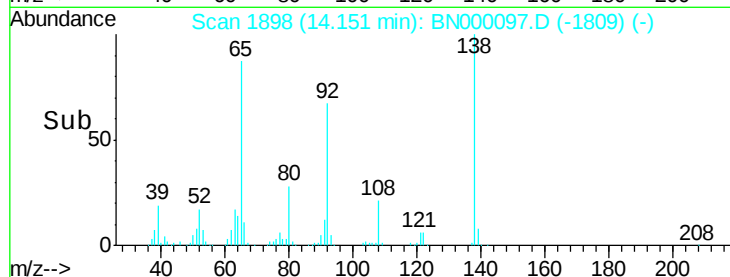
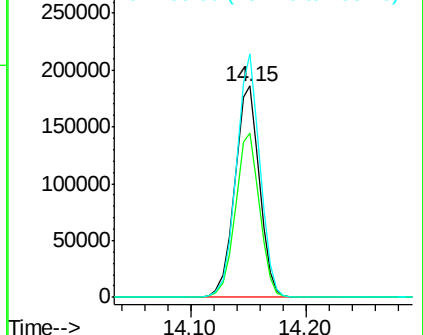
65 100

92 77.7 54.6 82.0

138 115.2 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BNO  
Ion 92.00 (91.70 to 92.70): BNO  
Ion 138.00 (137.70 to 138.70): B



#48

Acenaphthylene

Concen: 18.873 ng

RT: 14.80 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

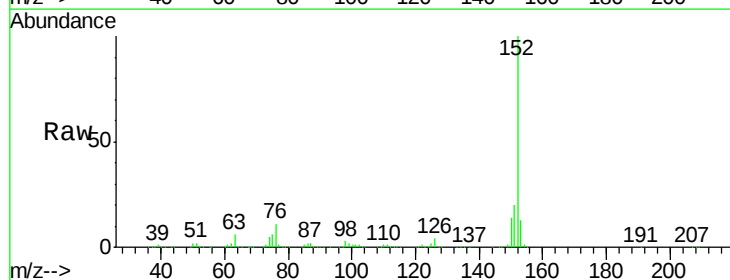
Tgt Ion: 152 Resp: 1950847

Ion Ratio Lower Upper

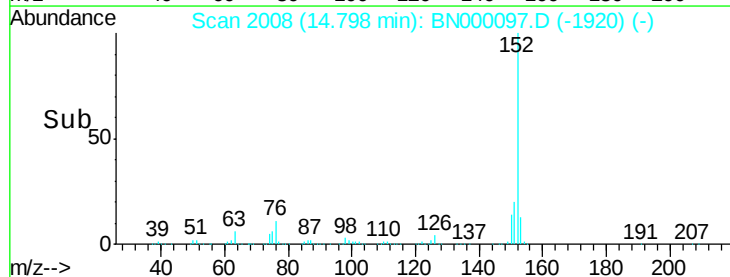
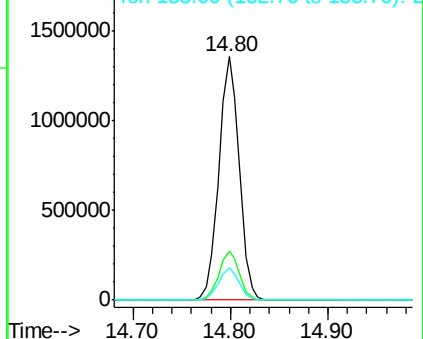
152 100

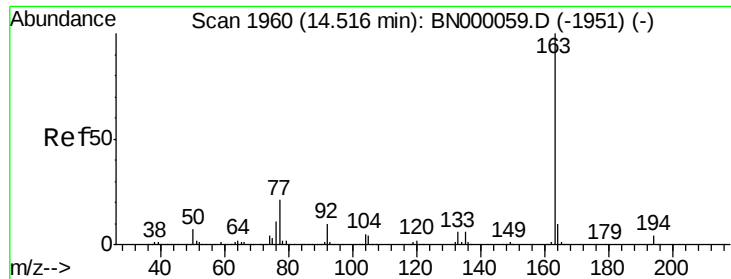
151 20.1 17.2 25.8

153 13.1 10.2 15.4



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: 18.663 ng

RT: 14.51 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

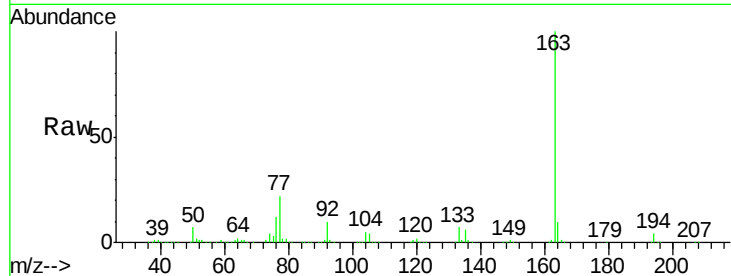
Tot Ion:163 Resp: 1514689

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

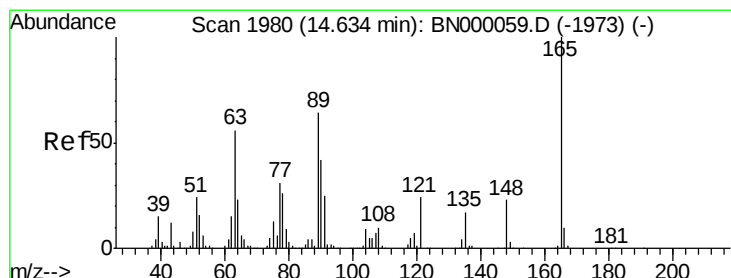
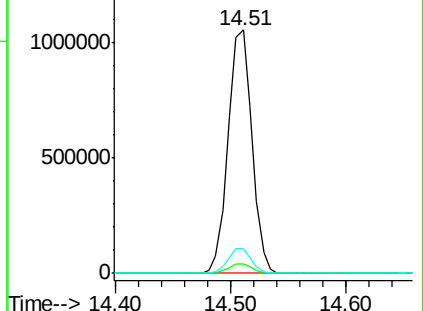
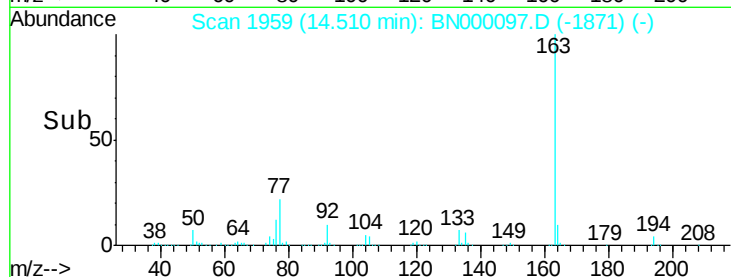
164 10.1 8.2 12.4



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: 17.214 ng

RT: 14.63 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

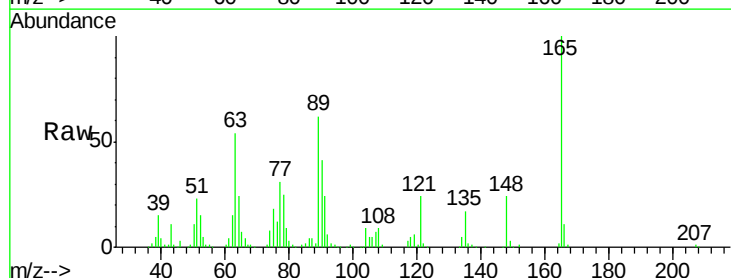
Tgt Ion:165 Resp: 288411

Ion Ratio Lower Upper

165 100

63 54.2 52.7 79.1

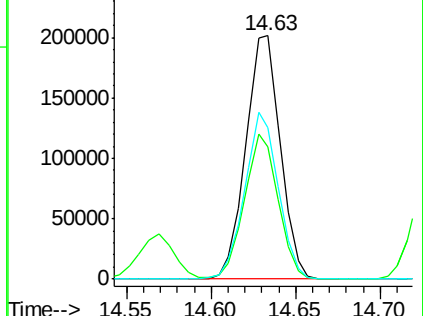
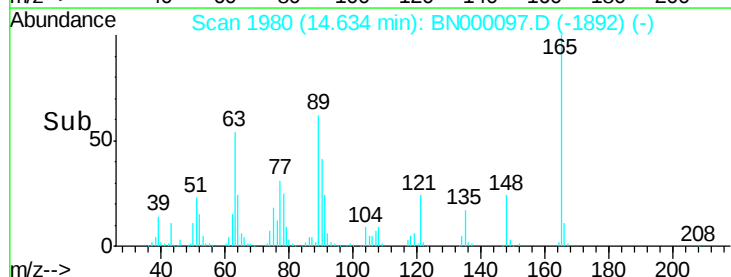
89 62.0 49.2 73.8

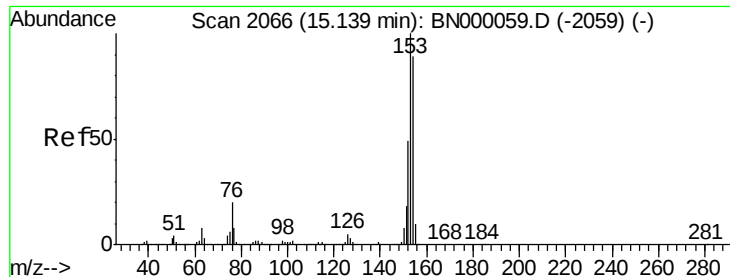


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC





#51

Acenaphthene

Concen: 18.651 ng

RT: 15.13 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

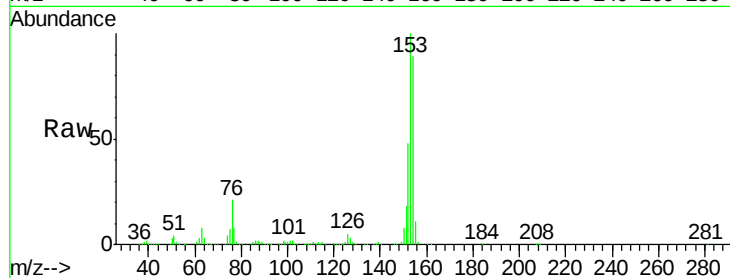
Tot Ion:154 Resp: 1254945

Ion Ratio Lower Upper

154 100

153 112.0 90.4 135.6

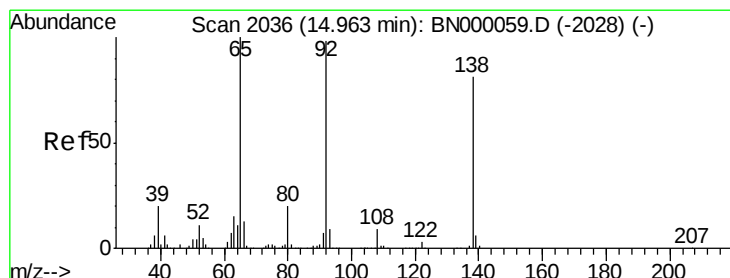
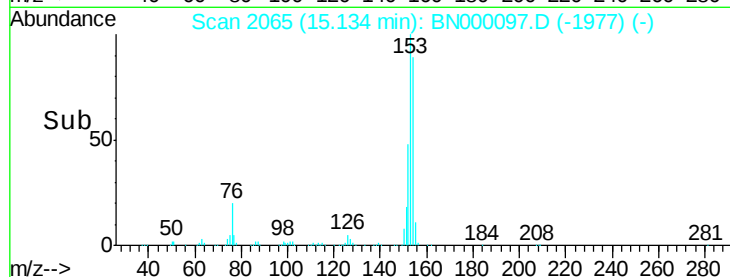
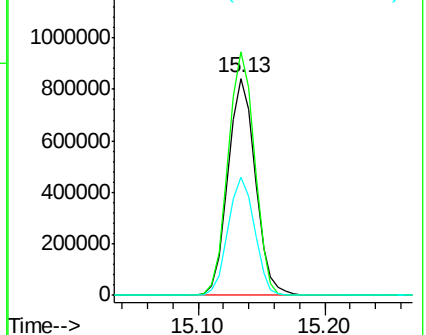
152 54.1 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 17.383 ng

RT: 14.96 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

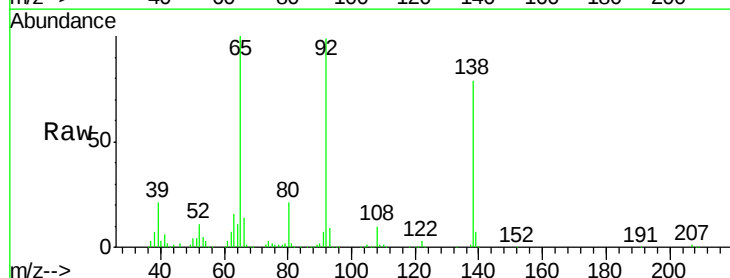
Tgt Ion:138 Resp: 354020

Ion Ratio Lower Upper

138 100

108 12.3 17.5 26.3#

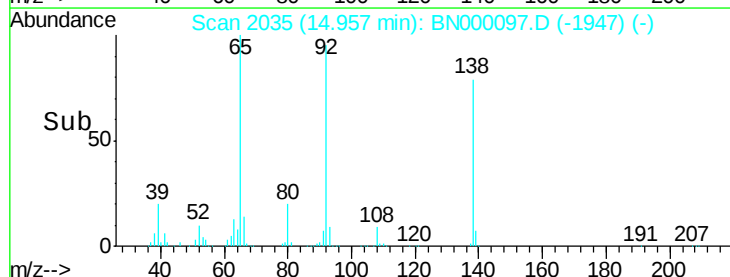
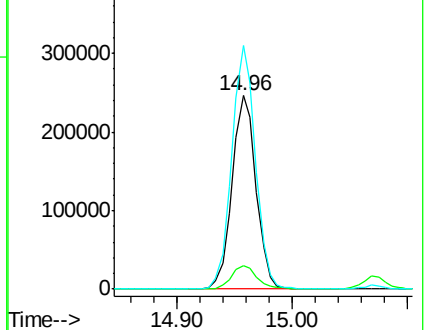
92 125.8 105.8 158.8

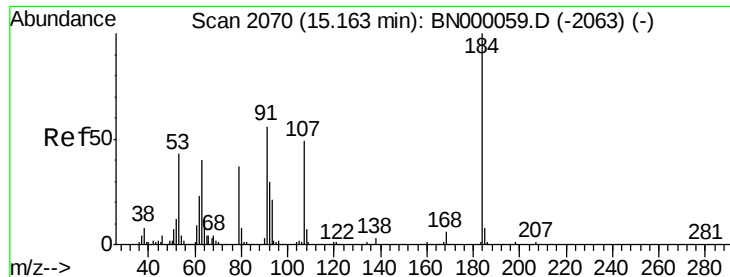


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC





#53

2,4-Dinitrophenol

Concen: 19.991 ng

RT: 15.16 min Scan# 2069

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

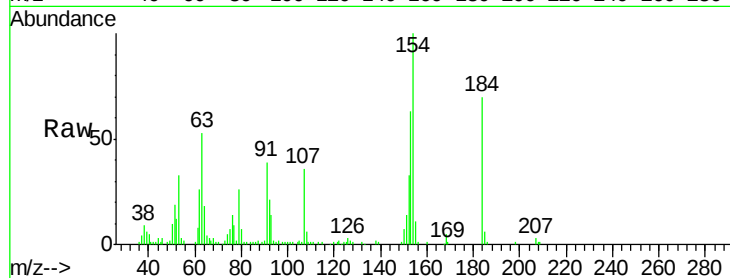
Tot Ion:184 Resp: 72300

Ion Ratio Lower Upper

184 100

63 75.0 80.0 120.0#

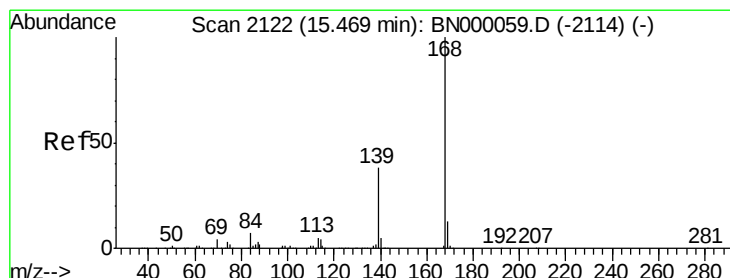
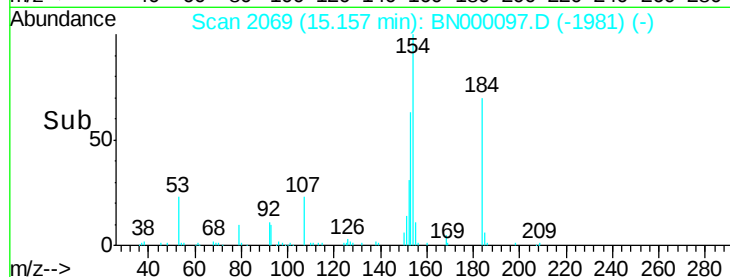
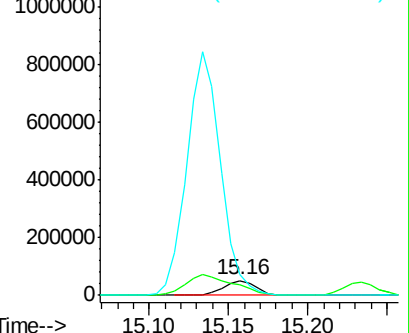
154 142.4 308.0 462.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BNO

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 19.023 ng

RT: 15.46 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

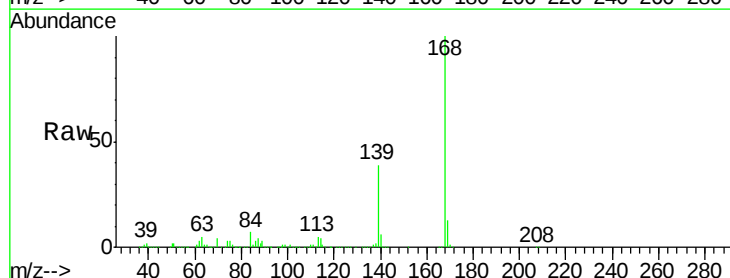
Tgt Ion:168 Resp: 1812745

Ion Ratio Lower Upper

168 100

139 39.2 28.6 43.0

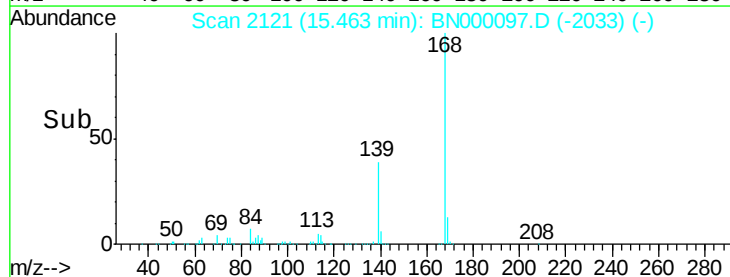
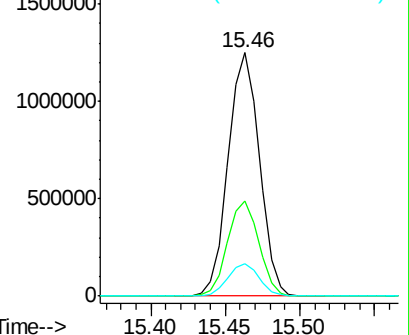
169 13.2 11.2 16.8

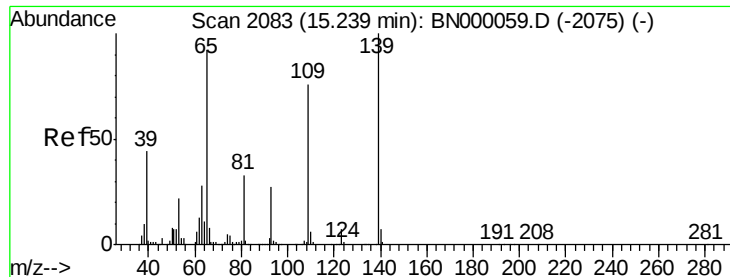


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

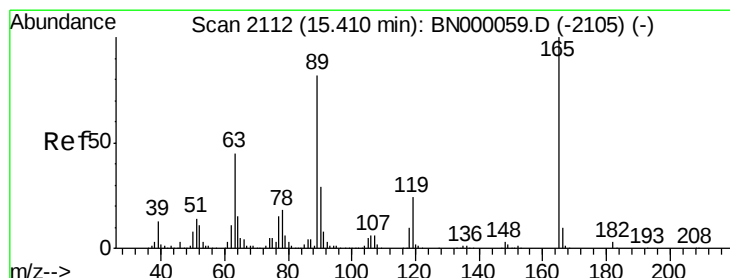
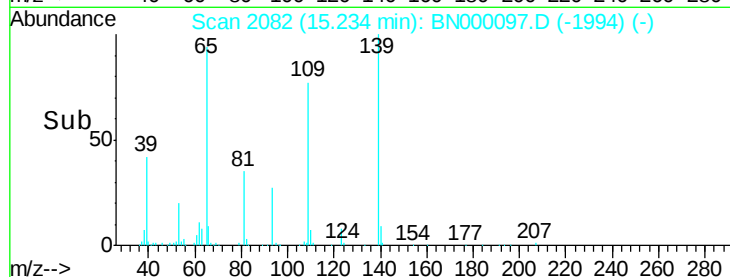
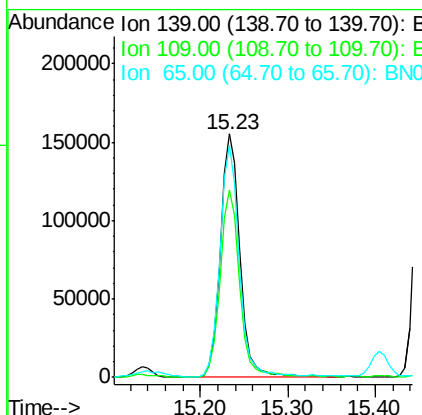
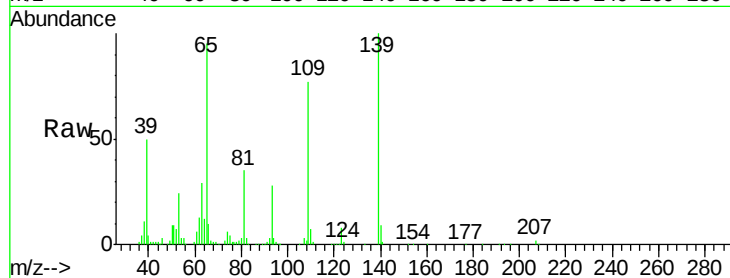




#55  
4-Nitrophenol  
Concen: 18.543 ng  
RT: 15.23 min Scan# 2082  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

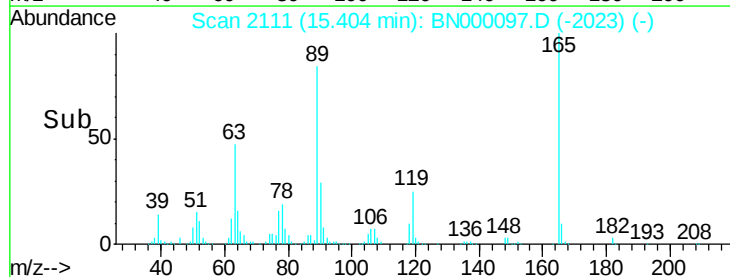
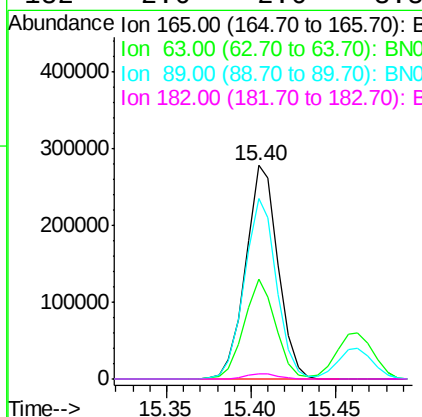
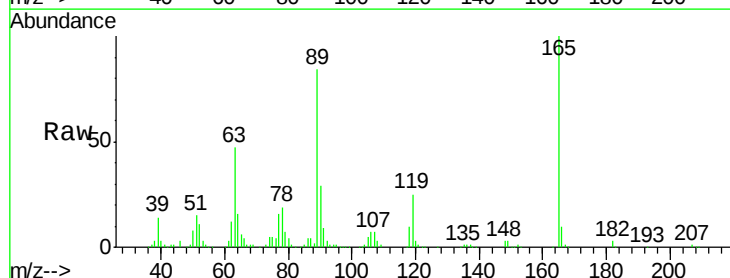
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT1-2018

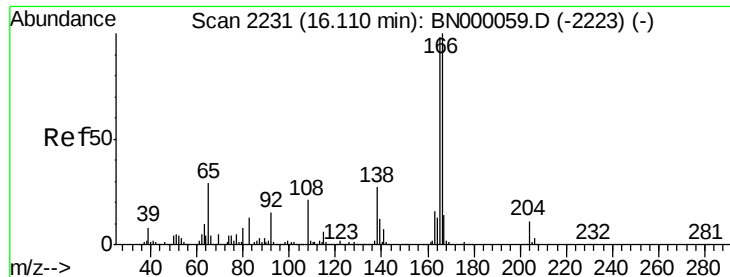
Tot Ion:139 Resp: 241444  
Ion Ratio Lower Upper  
139 100  
109 76.9 62.2 102.2  
65 95.5 97.2 137.2#



#56  
2,4-Dinitrotoluene  
Concen: 18.338 ng  
RT: 15.40 min Scan# 2111  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

Tgt Ion:165 Resp: 371935  
Ion Ratio Lower Upper  
165 100  
63 46.7 42.0 63.0  
89 84.2 66.9 100.3  
182 2.6 2.6 3.8#





#57

Fluorene

Concen: 19.166 ng

RT: 16.10 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

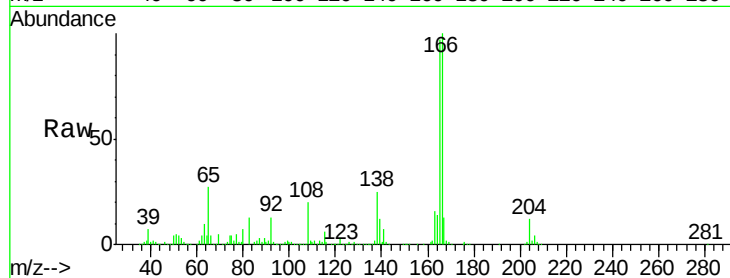
Tot Ion:166 Resp: 1491293

Ion Ratio Lower Upper

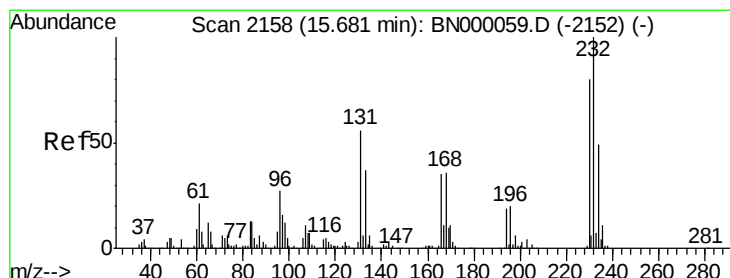
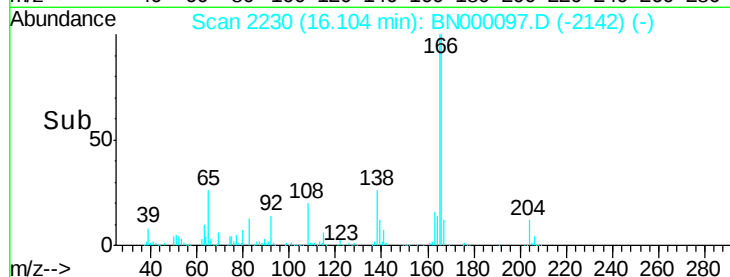
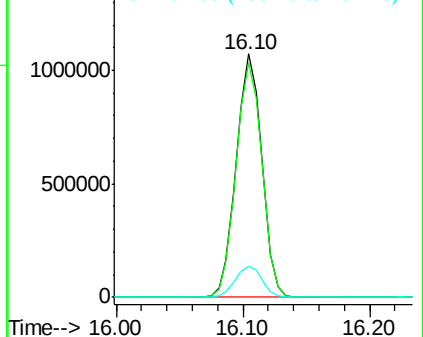
166 100

165 96.5 80.6 121.0

167 13.0 10.4 15.6



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: 17.516 ng

RT: 15.67 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Tgt Ion:232 Resp: 285425

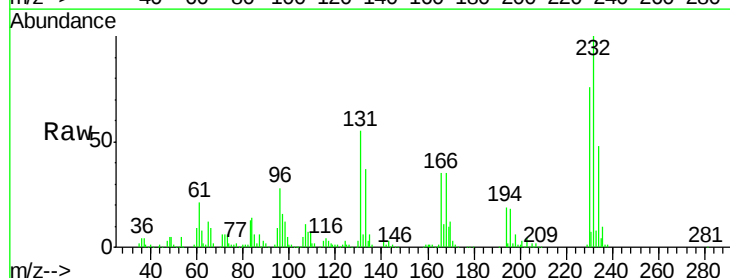
Ion Ratio Lower Upper

232 100

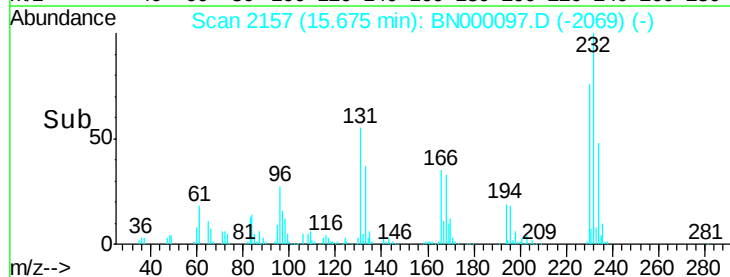
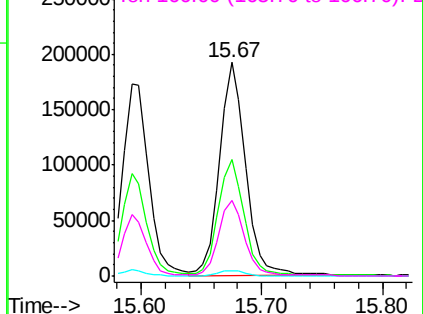
131 55.3 33.5 50.3#

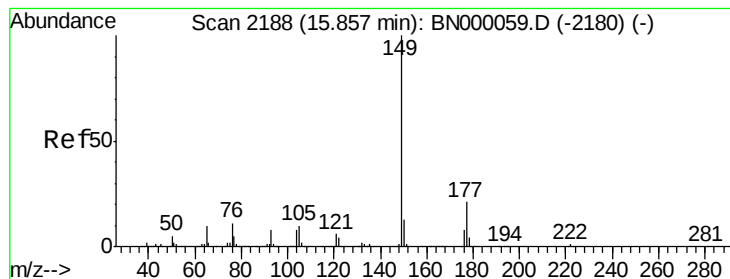
130 2.7 2.2 3.2

166 34.6 24.8 37.2



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: 18.820 ng

RT: 15.85 min Scan# 2187

Delta R.T. -0.02 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

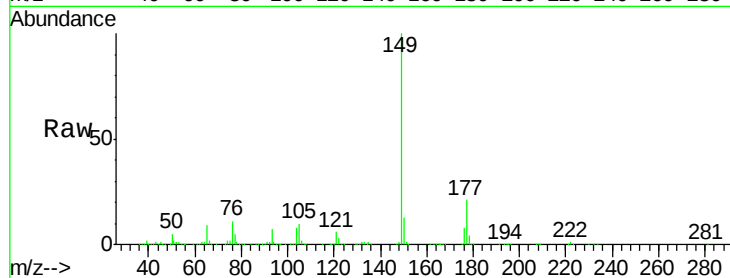
Tot Ion:149 Resp: 1552232

Ion Ratio Lower Upper

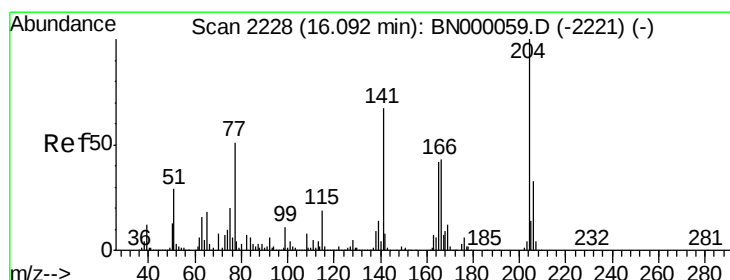
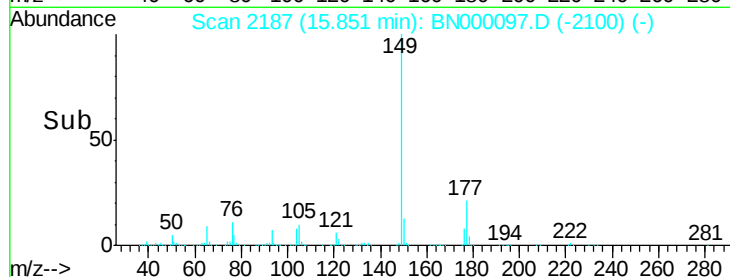
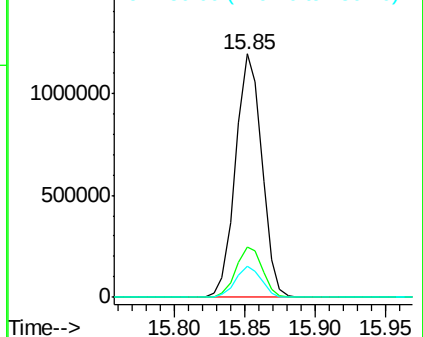
149 100

177 20.9 18.5 27.7

150 12.8 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 19.059 ng

RT: 16.09 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

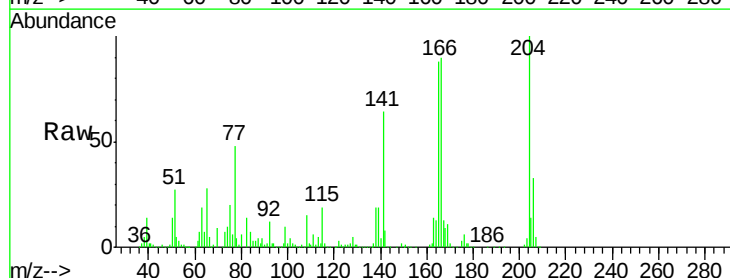
Tgt Ion:204 Resp: 675814

Ion Ratio Lower Upper

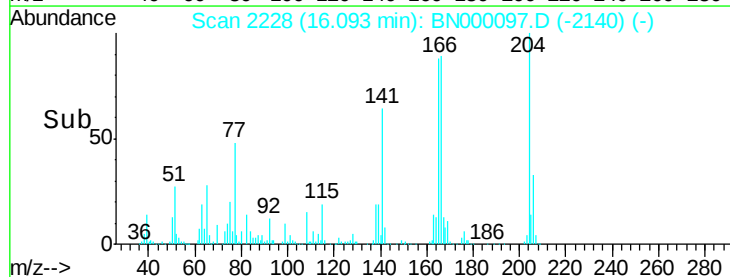
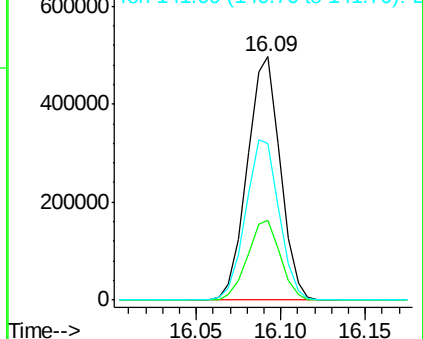
204 100

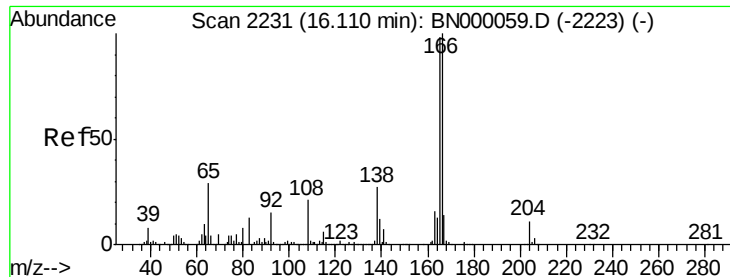
206 32.7 26.2 39.2

141 64.3 45.8 68.6



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 17.883 ng

RT: 16.10 min Scan# 2230

Delta R.T. -0.02 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

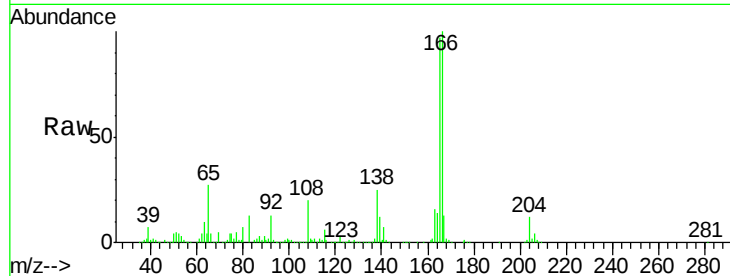
Tot Ion:138 Resp: 374232

Ion Ratio Lower Upper

138 100

92 53.6 40.1 80.1

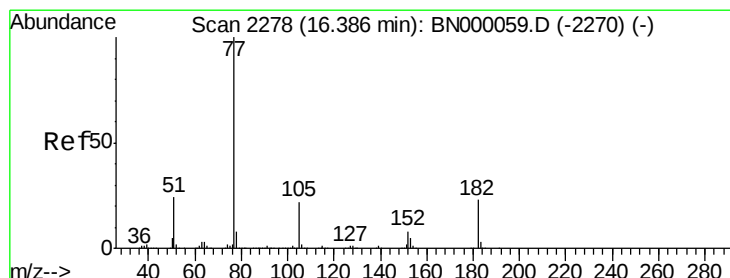
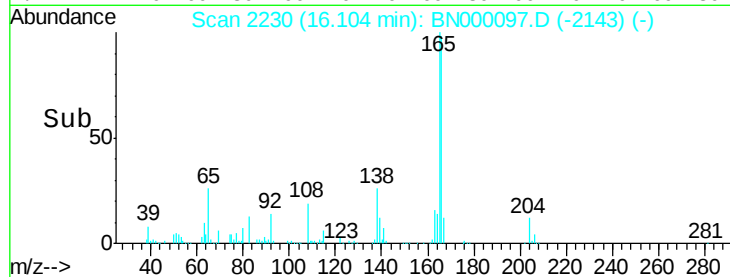
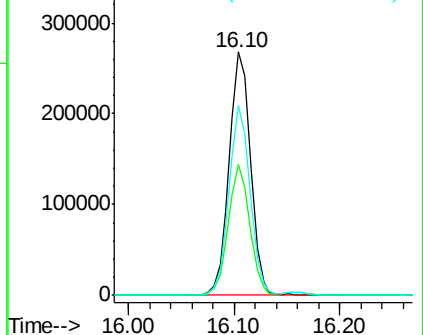
108 78.0 65.4 105.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNC

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 18.975 ng

RT: 16.38 min Scan# 2277

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Tgt Ion: 77 Resp: 1557878

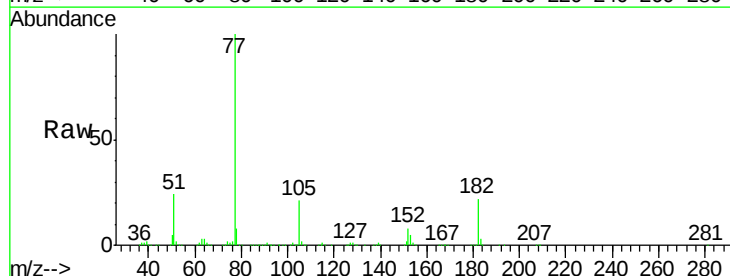
Ion Ratio Lower Upper

77 100

182 21.7 7.4 47.4

105 21.4 0.3 40.3

51 24.3 11.6 51.6

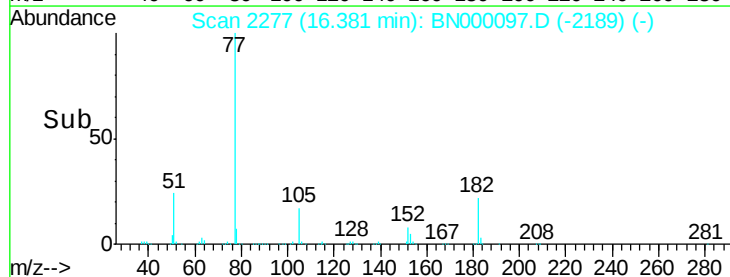
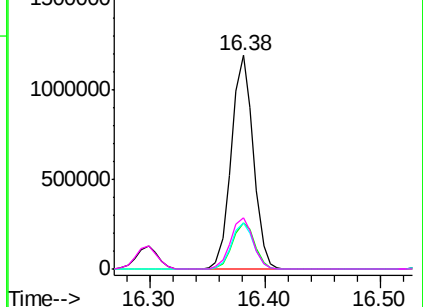


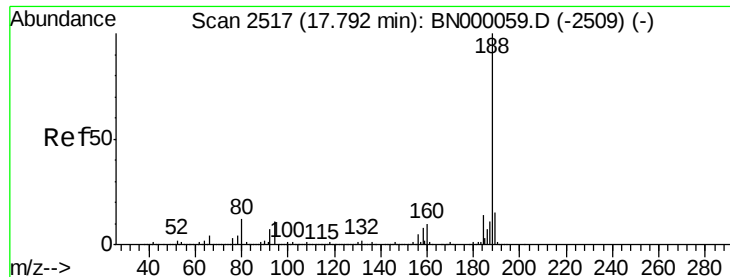
Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BNC





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.79 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

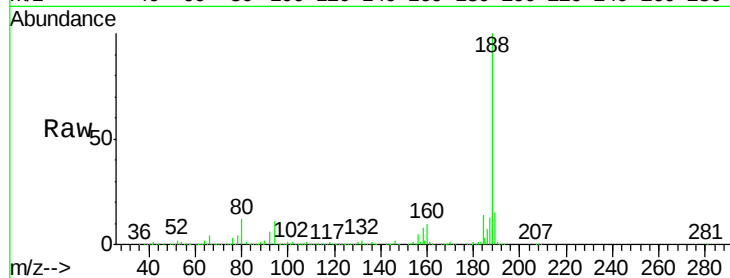
Tot Ion:188 Resp: 2107733

Ion Ratio Lower Upper

188 100

94 11.1 6.9 10.3#

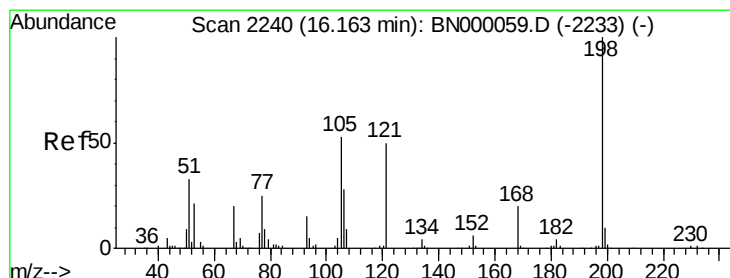
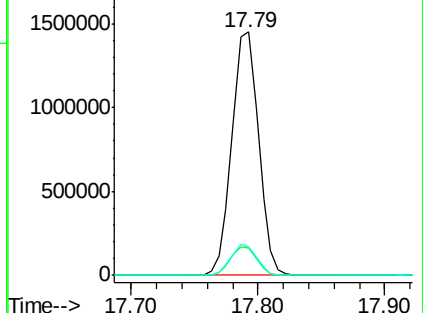
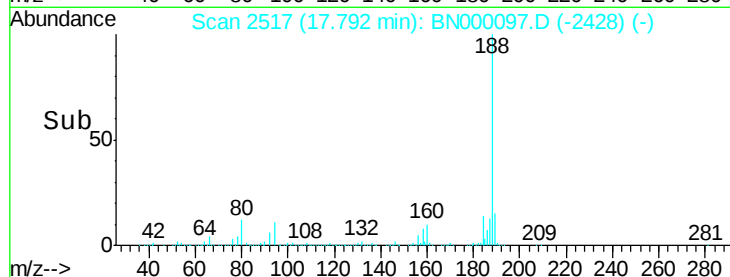
80 11.7 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#64

4,6-Dinitro-2-methylphenol

Concen: 19.647 ng

RT: 16.16 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

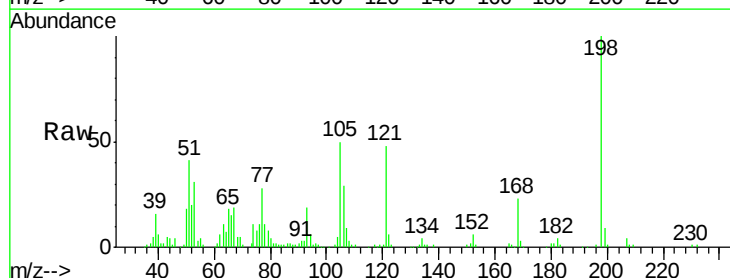
Tgt Ion:198 Resp: 133369

Ion Ratio Lower Upper

198 100

51 41.4 30.6 70.6

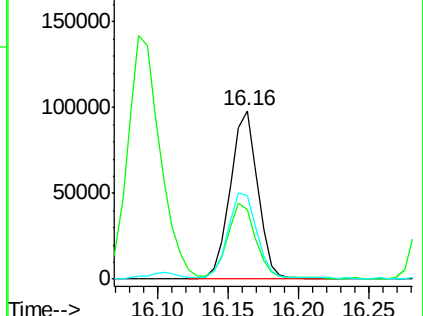
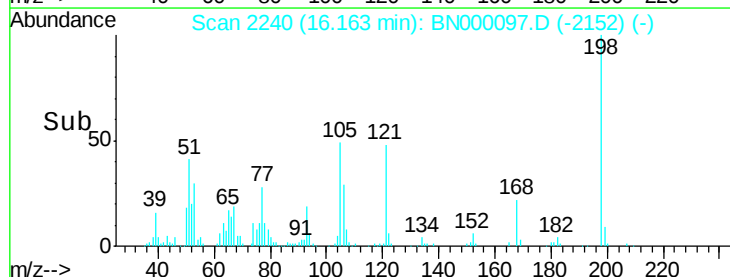
105 49.6 23.8 63.8

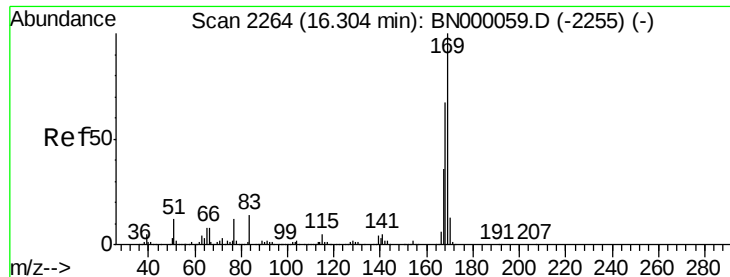


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

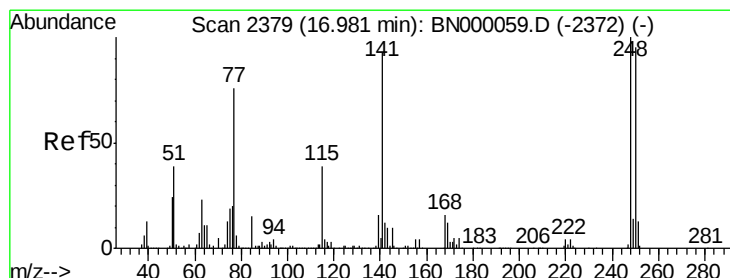
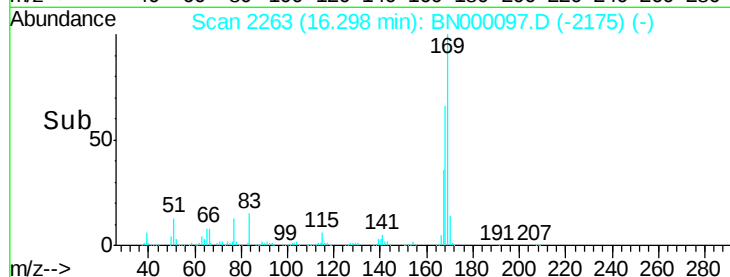
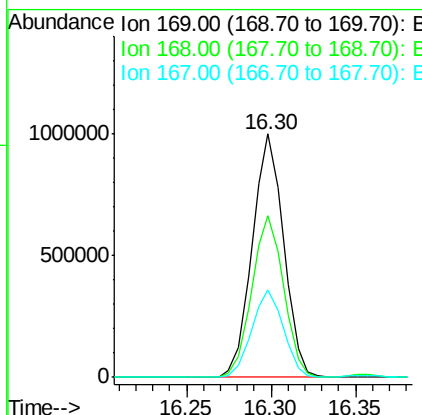
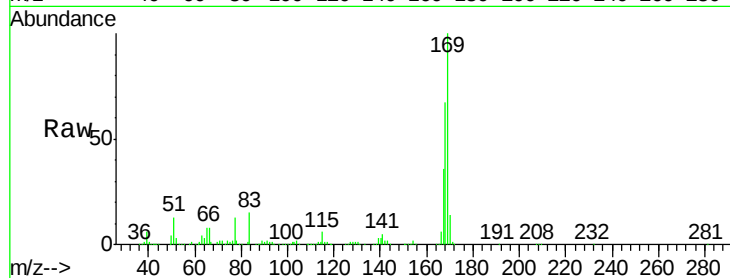




#65  
n-Nitrosodiphenylamine  
Concen: 18.905 ng  
RT: 16.30 min Scan# 2263  
Delta R.T. -0.01 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

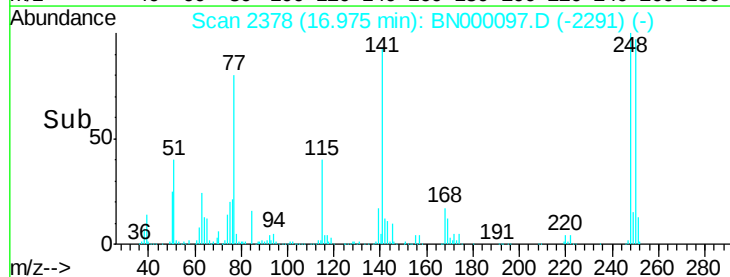
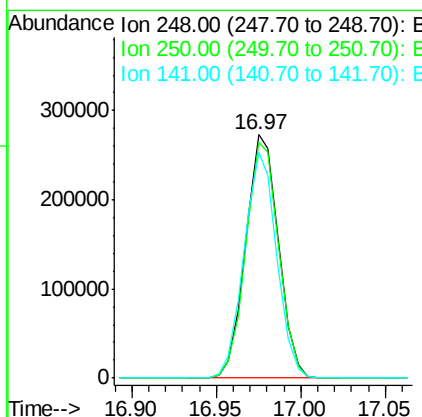
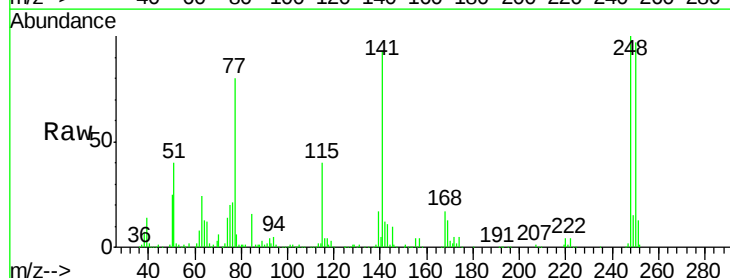
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT1-2018

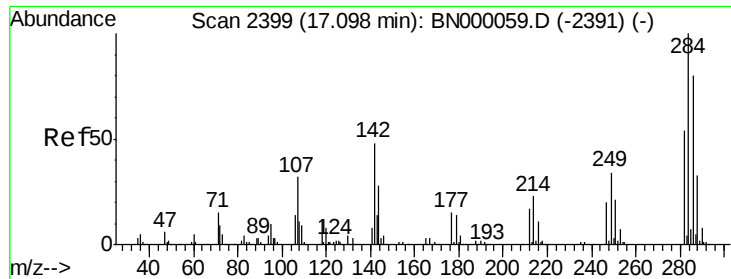
Tot Ion:169 Resp: 1296575  
Ion Ratio Lower Upper  
169 100  
168 66.5 55.7 83.5  
167 35.7 30.1 45.1



#66  
4-Bromophenyl-phenylether  
Concen: 18.451 ng  
RT: 16.97 min Scan# 2378  
Delta R.T. -0.02 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

Tgt Ion:248 Resp: 369828  
Ion Ratio Lower Upper  
248 100  
250 97.0 77.1 115.7  
141 92.9 50.8 76.2#





#67

Hexachlorobenzene

Concen: 18.779 ng

RT: 17.10 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

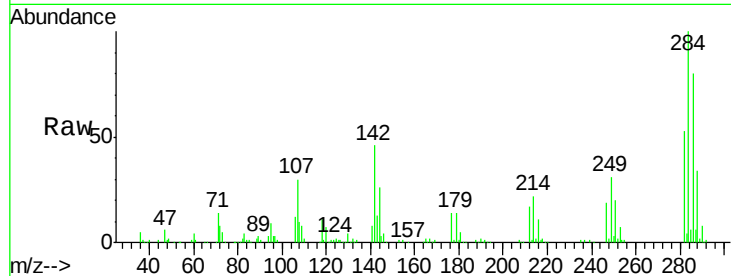
Tot Ion:284 Resp: 439568

Ion Ratio Lower Upper

284 100

142 45.8 26.8 40.2#

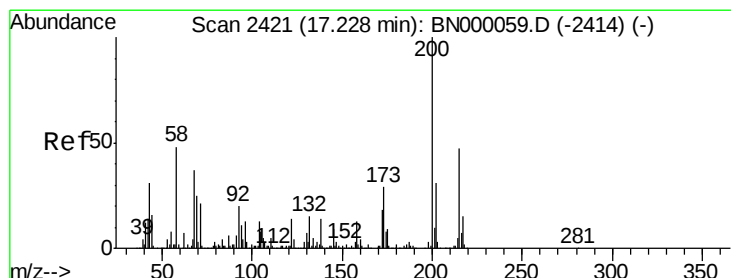
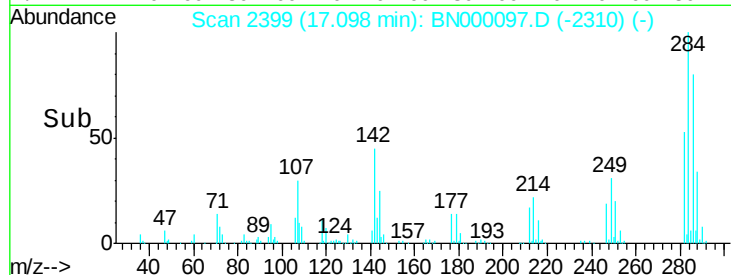
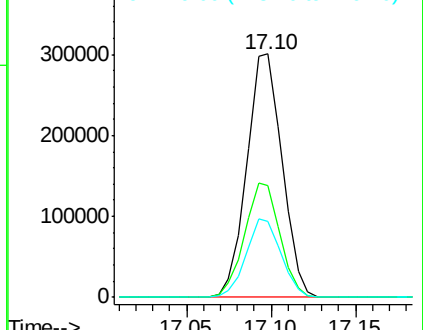
249 31.3 26.3 39.5



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: 16.280 ng

RT: 17.22 min Scan# 2420

Delta R.T. -0.02 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

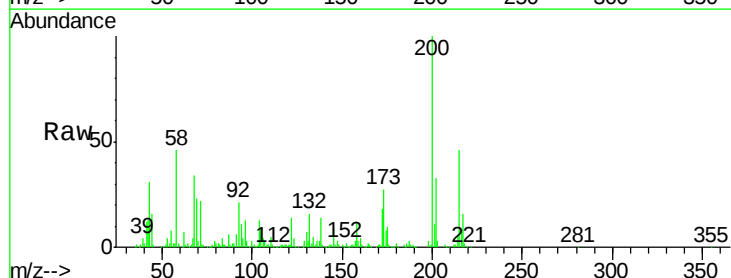
Tgt Ion:200 Resp: 363395

Ion Ratio Lower Upper

200 100

173 27.4 5.2 45.2

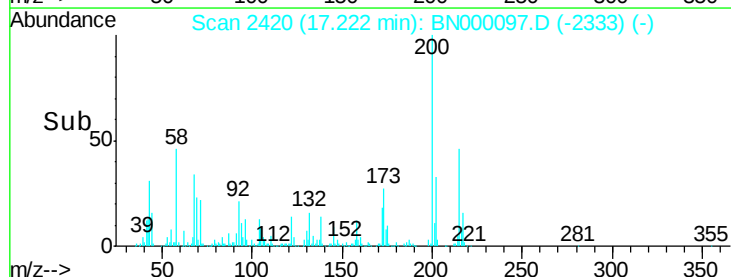
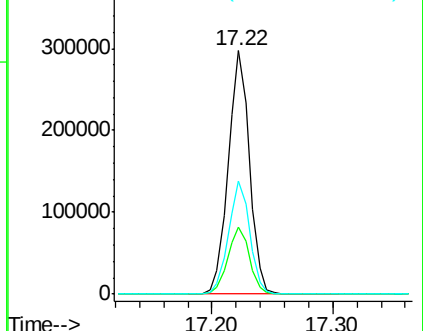
215 46.3 30.4 70.4



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

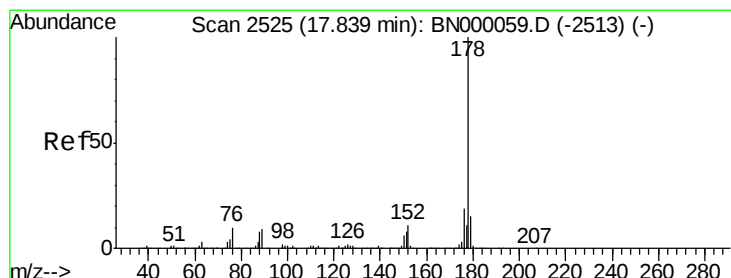
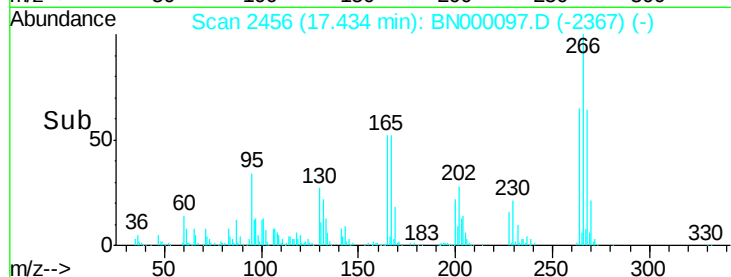
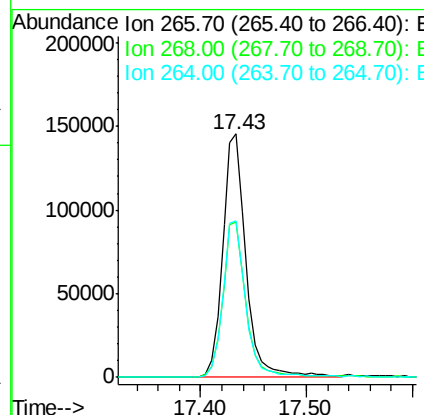
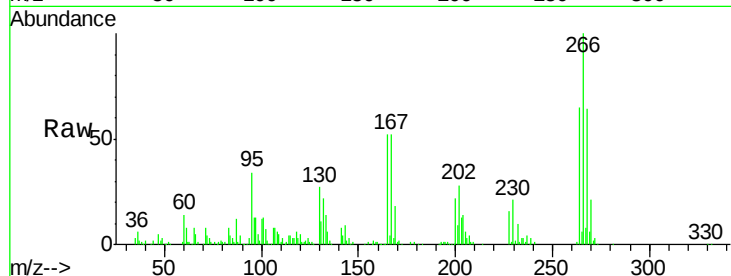




#69  
 Pentachlorophenol  
 Concen: 18.703 ng  
 RT: 17.43 min Scan# 2456  
 Delta R.T. -0.01 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

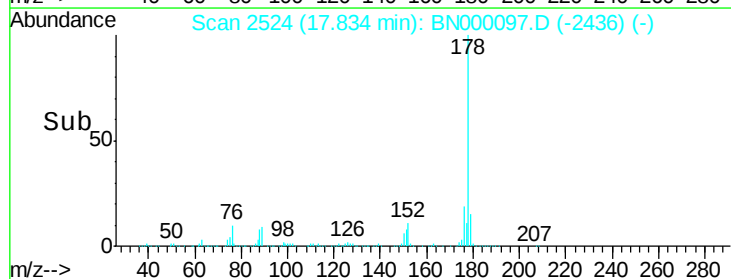
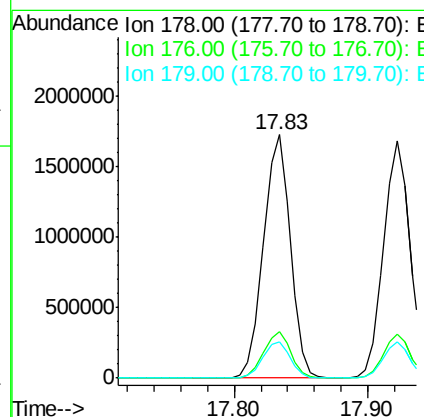
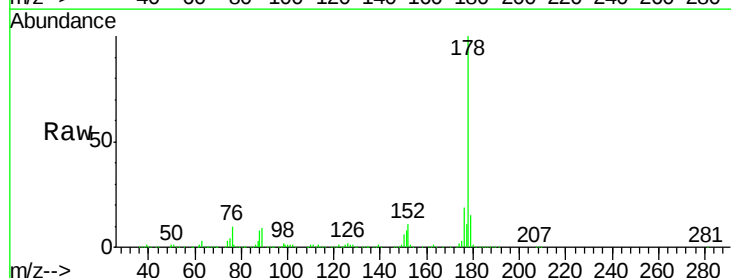
Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2018

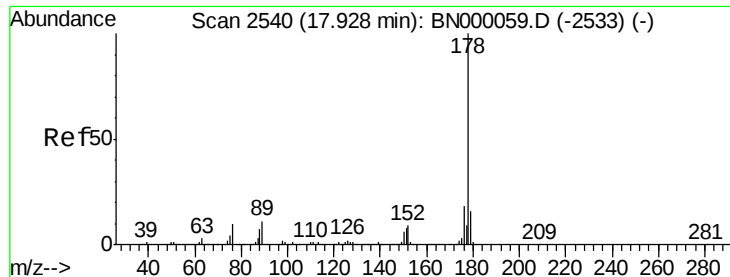
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.9  | 51.1  | 76.7  |
| 264     | 64.5  | 49.6  | 74.4  |



#70  
 Phenanthrene  
 Concen: 19.220 ng  
 RT: 17.83 min Scan# 2524  
 Delta R.T. -0.01 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.7  | 23.5  |
| 179     | 15.0  | 12.5  | 18.7  |

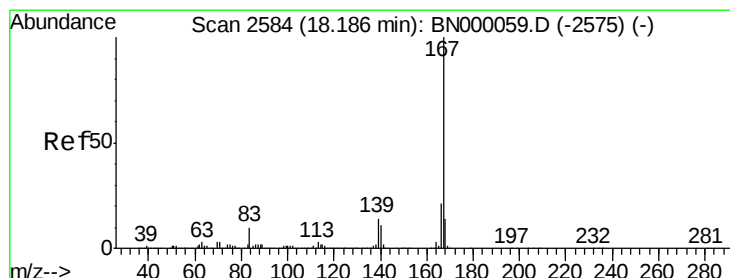
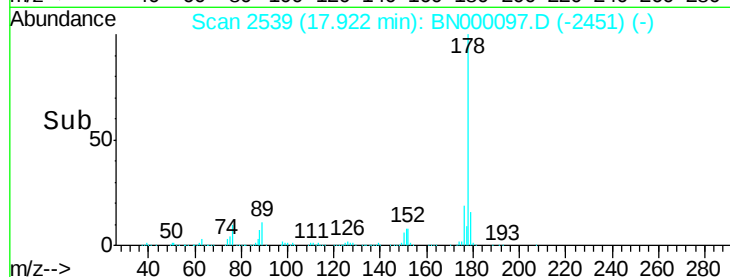
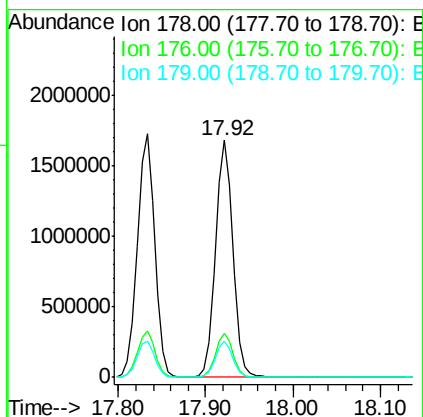
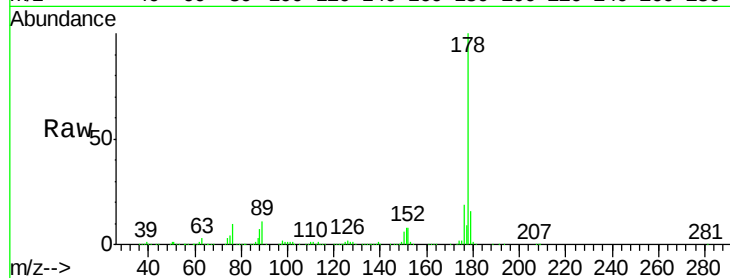




#71  
 Anthracene  
 Concen: 19.292 ng  
 RT: 17.92 min Scan# 2539  
 Delta R.T. -0.01 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

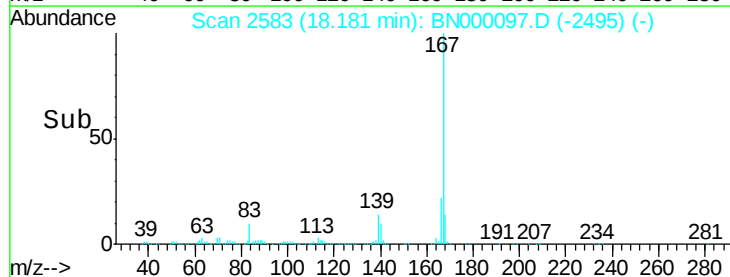
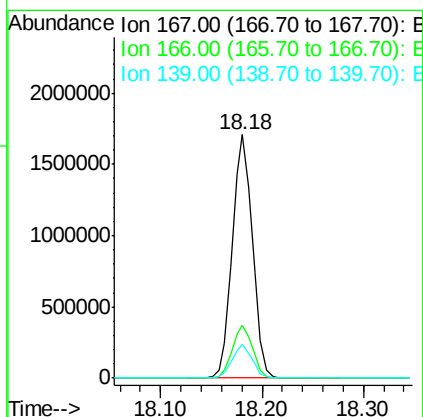
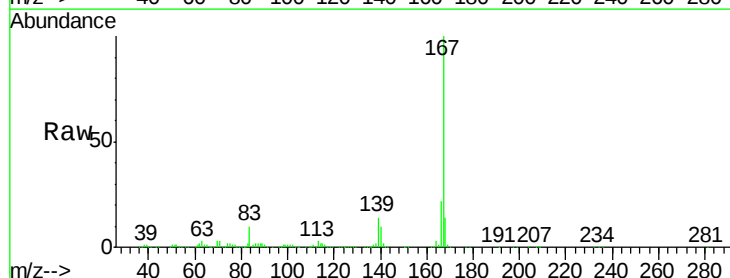
Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2018

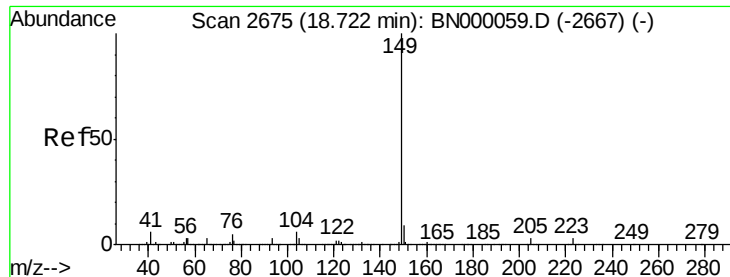
Tot Ion:178 Resp: 2325682  
 Ion Ratio Lower Upper  
 178 100  
 176 18.7 16.0 24.0  
 179 15.5 12.5 18.7



#72  
 Carbazole  
 Concen: 19.416 ng  
 RT: 18.18 min Scan# 2583  
 Delta R.T. -0.01 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

Tgt Ion:167 Resp: 2358061  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 18.2 27.4  
 139 13.7 9.4 14.2





#73

Di-n-butylphthalate

Concen: 18.107 ng

RT: 18.72 min Scan# 2674

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

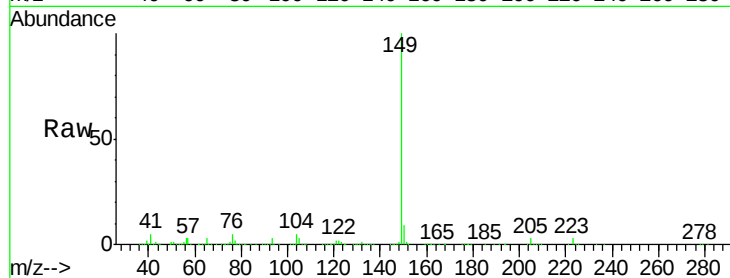
Tot Ion:149 Resp: 2427584

Ion Ratio Lower Upper

149 100

150 8.9 7.8 11.6

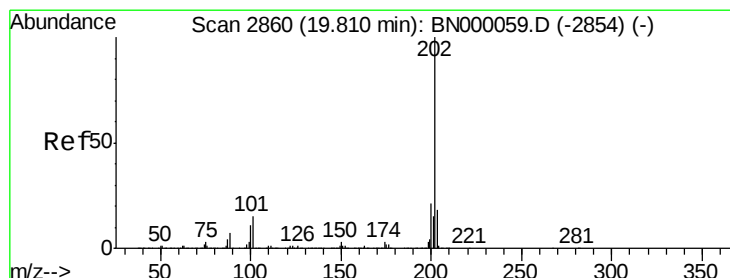
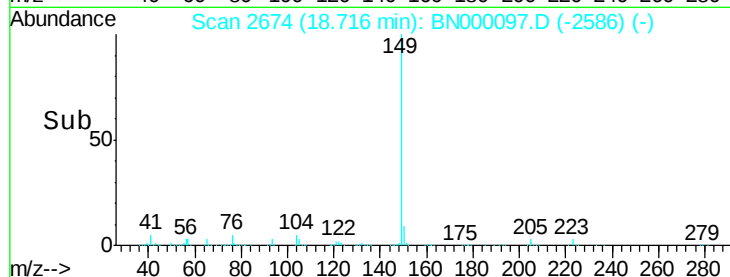
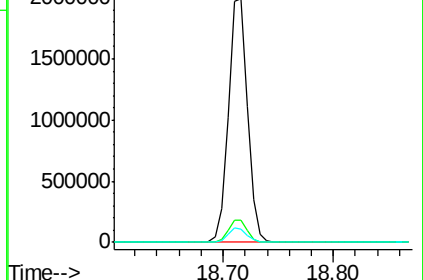
104 5.4 3.9 5.9



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: 19.887 ng

RT: 19.81 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

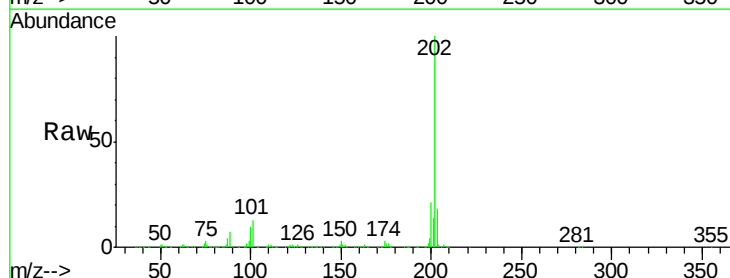
Tgt Ion:202 Resp: 2597520

Ion Ratio Lower Upper

202 100

101 13.4 0.0 28.9

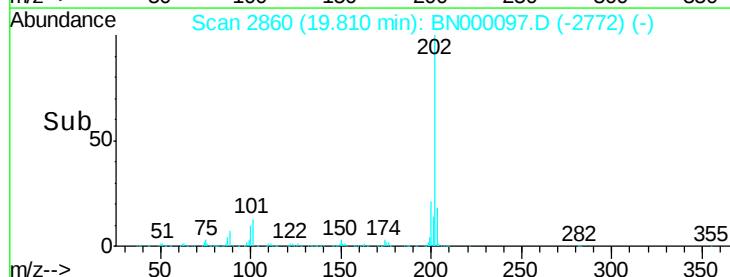
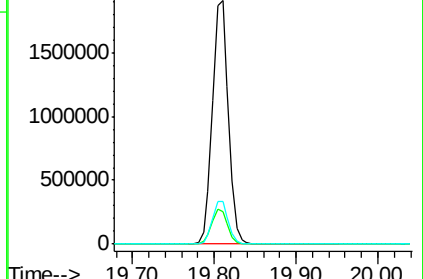
203 17.7 0.0 37.5

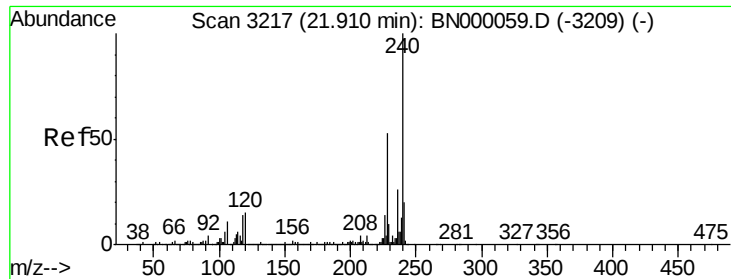


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.90 min Scan# 3216

Delta R.T. -0.02 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

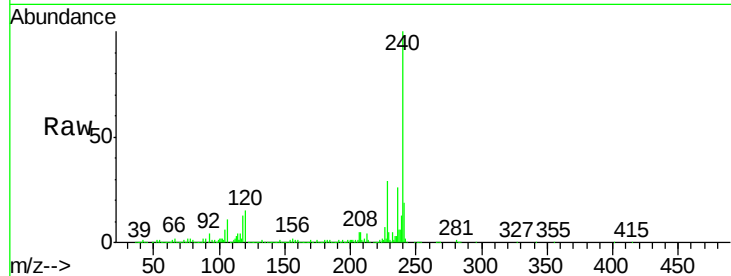
Tot Ion:240 Resp: 2349021

Ion Ratio Lower Upper

240 100

120 14.9 6.8 10.2#

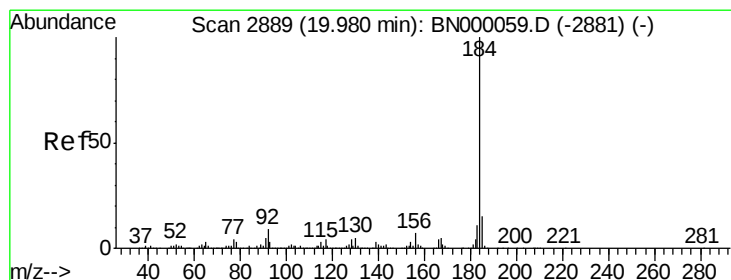
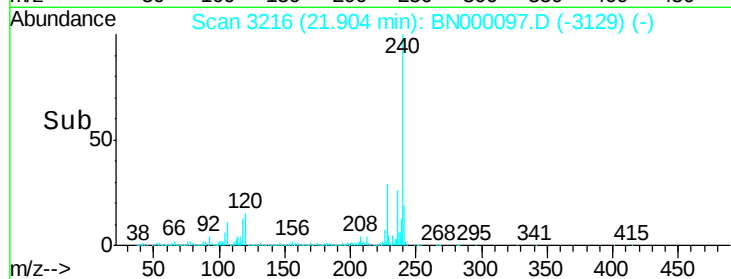
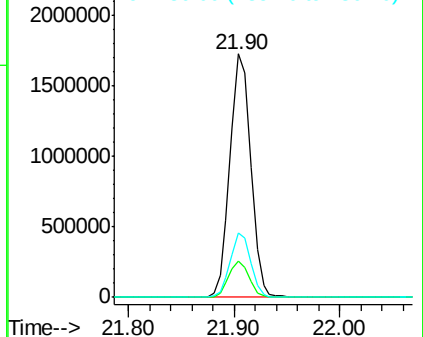
236 26.2 20.9 31.3



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: 9.658 ng

RT: 19.97 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

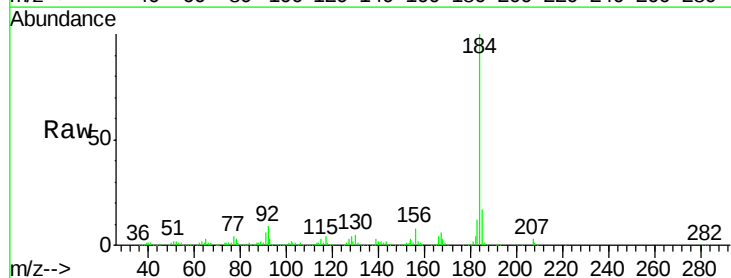
Tgt Ion:184 Resp: 723170

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7

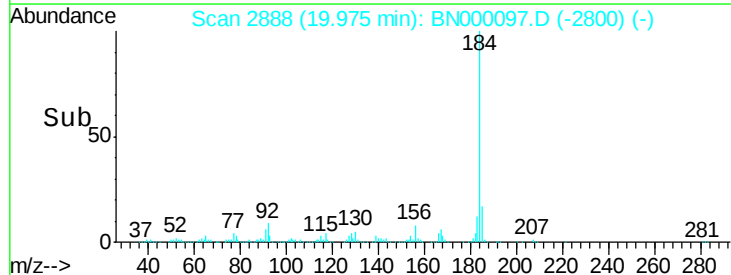
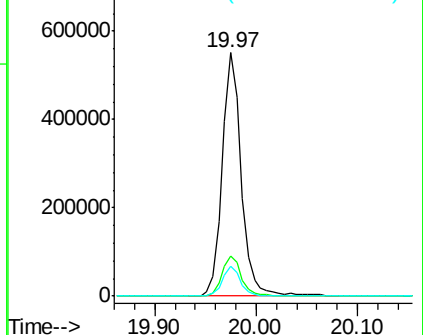
183 12.2 10.6 16.0

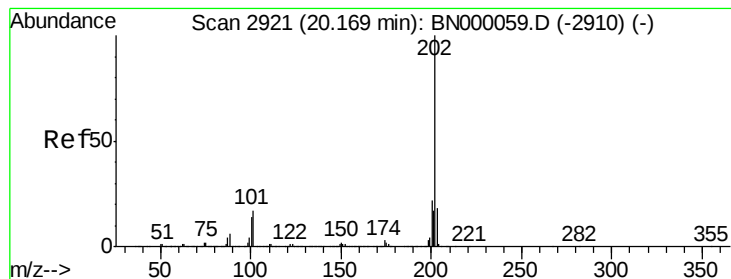


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 19.096 ng

RT: 20.17 min Scan# 2921

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

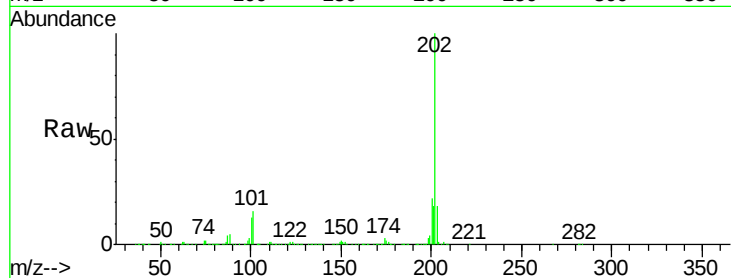
Tot Ion:202 Resp: 2850929

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

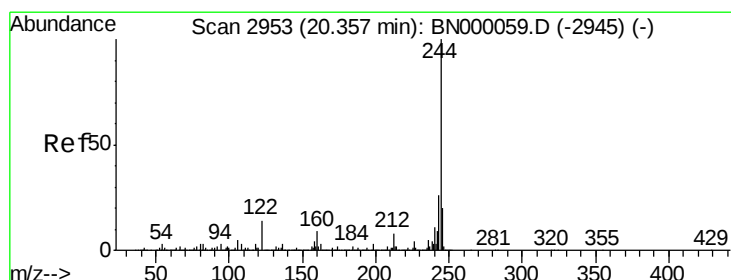
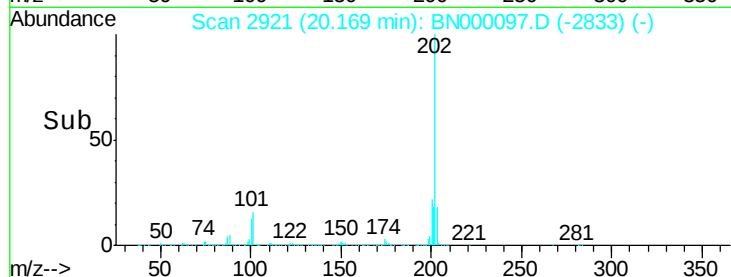
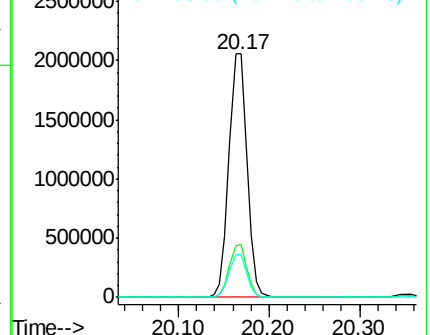
203 17.7 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 109.729 ng

RT: 20.35 min Scan# 2952

Delta R.T. -0.01 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

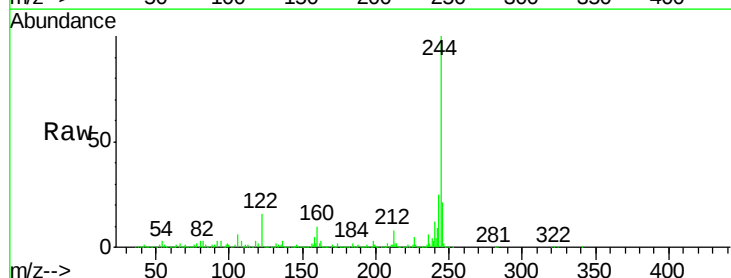
Tgt Ion:244 Resp: 9545982

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

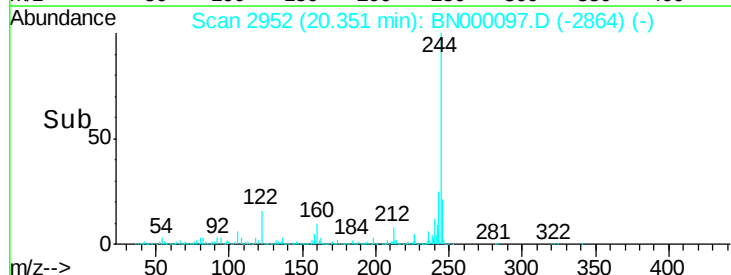
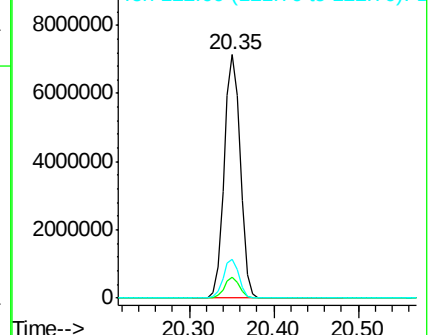
122 15.8 7.0 10.4#

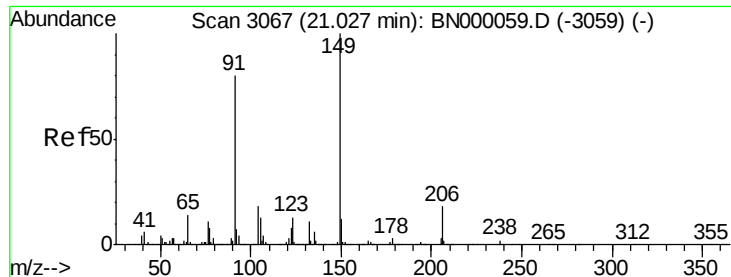


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 18.144 ng

RT: 21.02 min Scan# 3066

Delta R.T. -0.02 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

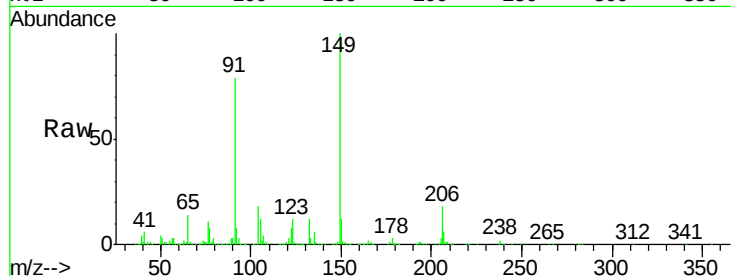
Tot Ion:149 Resp: 1018330

Ion Ratio Lower Upper

149 100

91 79.4 62.2 93.2

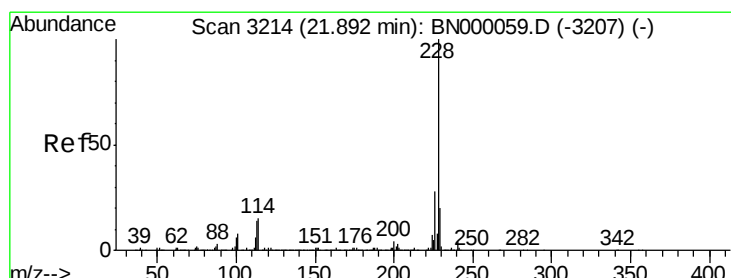
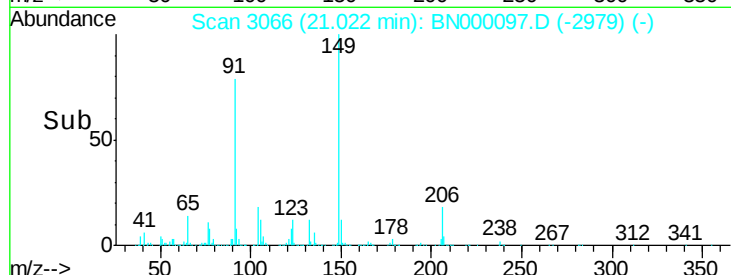
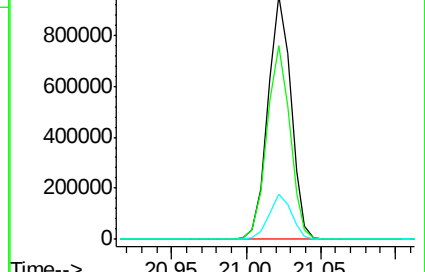
206 18.4 18.6 27.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNO

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 19.329 ng

RT: 21.89 min Scan# 3213

Delta R.T. -0.02 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

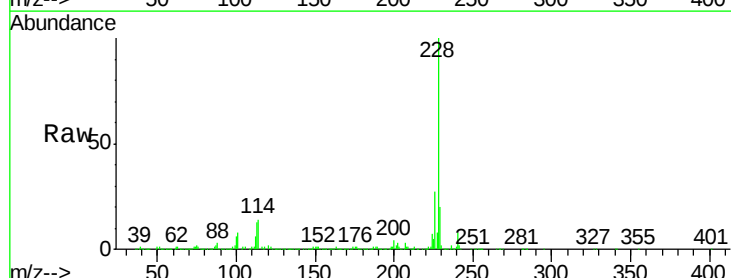
Tgt Ion:228 Resp: 2790726

Ion Ratio Lower Upper

228 100

226 27.4 22.7 34.1

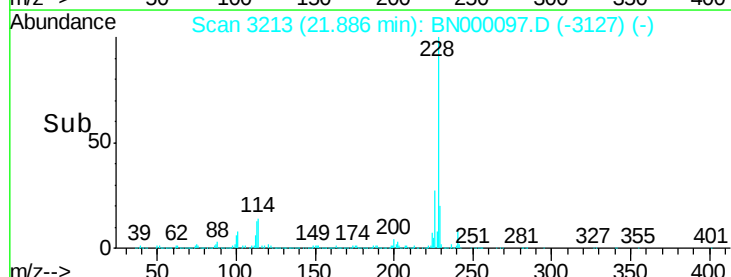
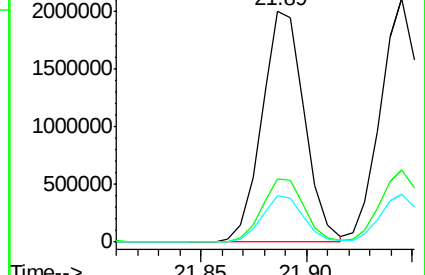
229 19.9 16.2 24.2

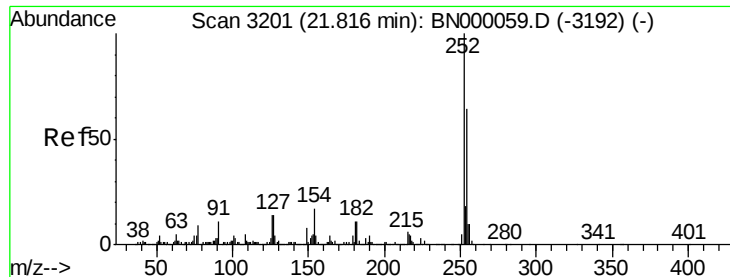


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

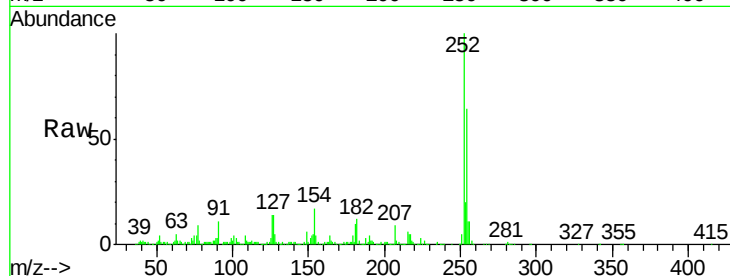




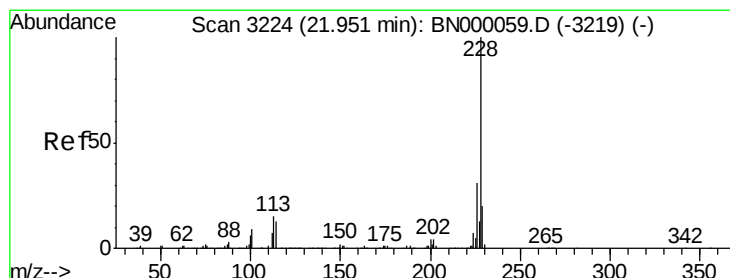
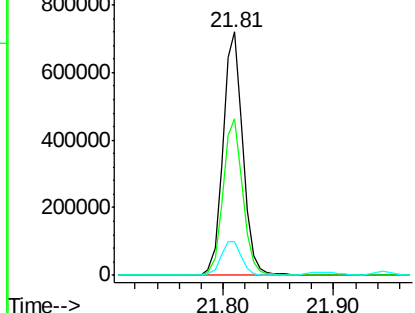
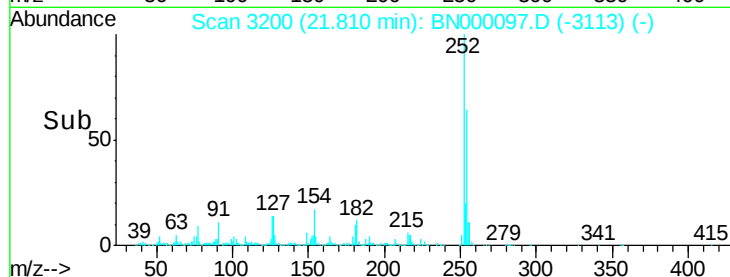
#81  
 3,3'-Dichlorobenzidine  
 Concen: 17.023 ng  
 RT: 21.81 min Scan# 3200  
 Delta R.T. -0.02 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2018

Tot Ion:252 Resp: 902754  
 Ion Ratio Lower Upper  
 252 100  
 254 64.5 50.8 76.2  
 126 13.9 7.4 11.2#

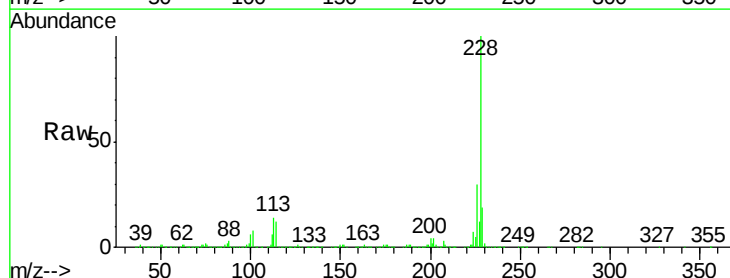


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

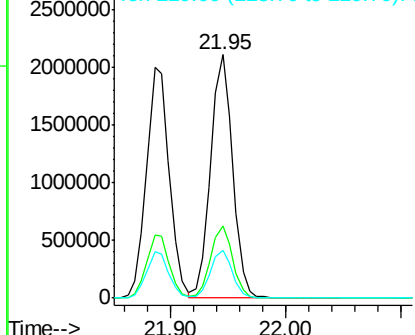
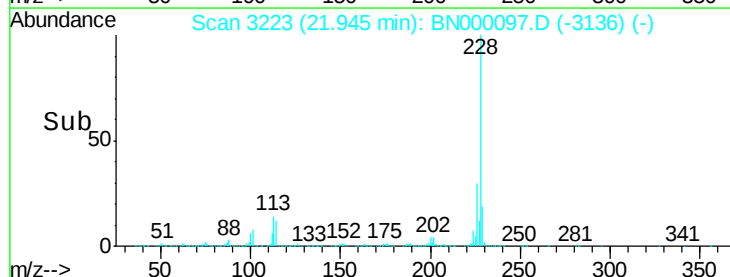


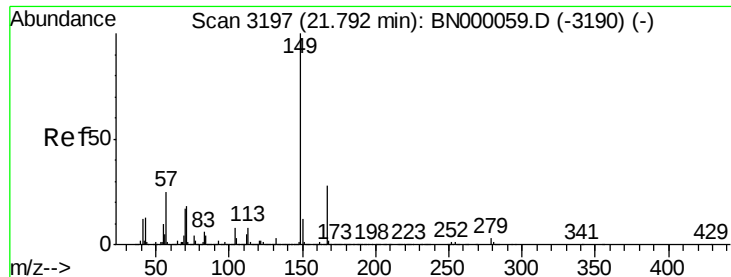
#82  
 Chrysene  
 Concen: 19.438 ng  
 RT: 21.95 min Scan# 3223  
 Delta R.T. -0.02 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

Tgt Ion:228 Resp: 2796711  
 Ion Ratio Lower Upper  
 228 100  
 226 29.6 24.9 37.3  
 229 19.4 15.0 22.4



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: 17.730 ng

RT: 21.79 min Scan# 3196

Delta R.T. -0.02 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

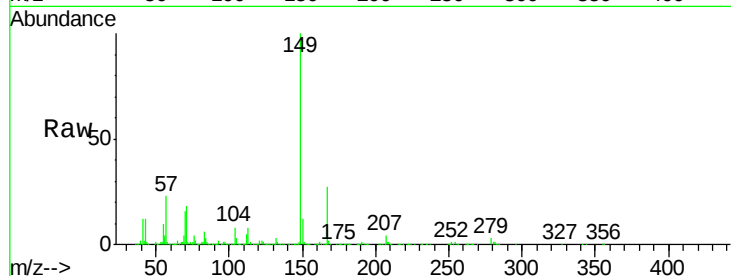
BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tot Ion:149 Resp: 1658702

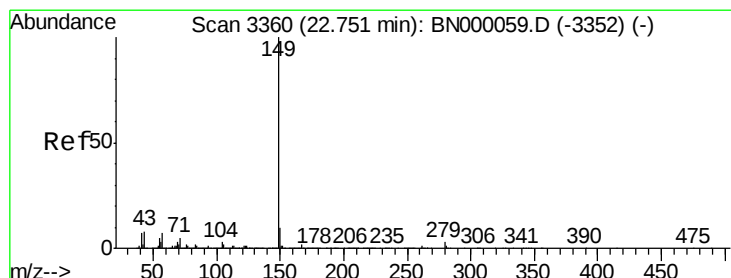
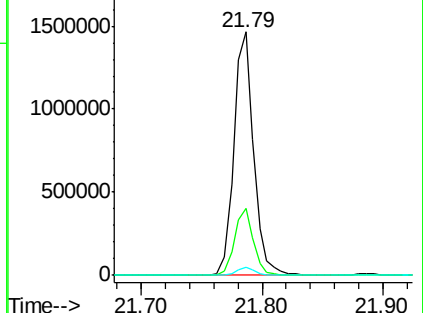
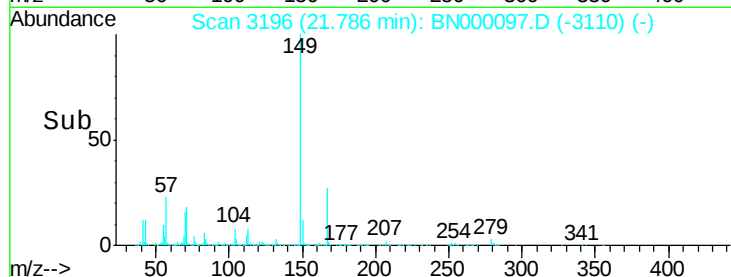
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.3  | 24.3  | 36.5  |
| 279 | 3.4   | 4.0   | 6.0   |



Abundance Ion 149.00 (148.70 to 149.70): E

2000000 Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 17.856 ng

RT: 22.74 min Scan# 3358

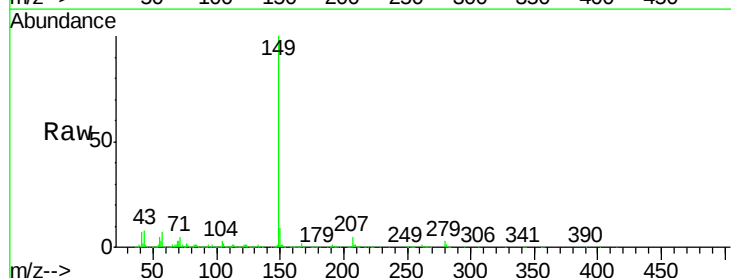
Delta R.T. -0.03 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Tgt Ion:149 Resp: 2505792

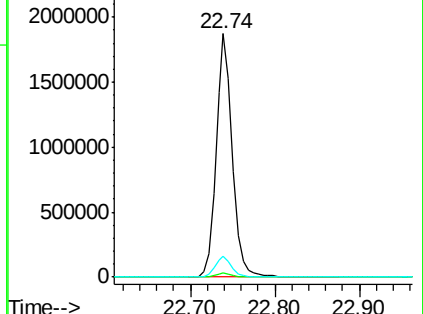
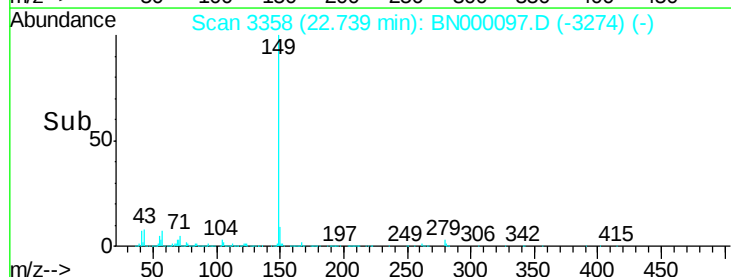
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.6   | 1.4   | 2.0   |
| 43  | 8.7   | 8.9   | 13.3  |

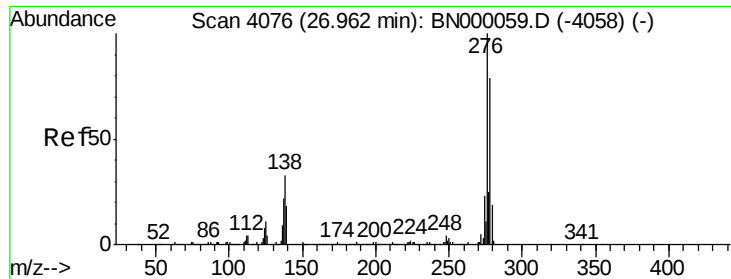


Abundance Ion 149.00 (148.70 to 149.70): E

2500000 Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.258 ng

RT: 26.94 min Scan# 4073

Delta R.T. -0.05 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

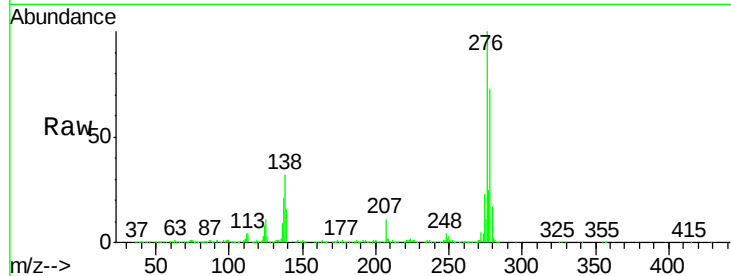
Tot Ion:276 Resp: 3403852

Ion Ratio Lower Upper

276 100

138 33.5 16.0 24.0#

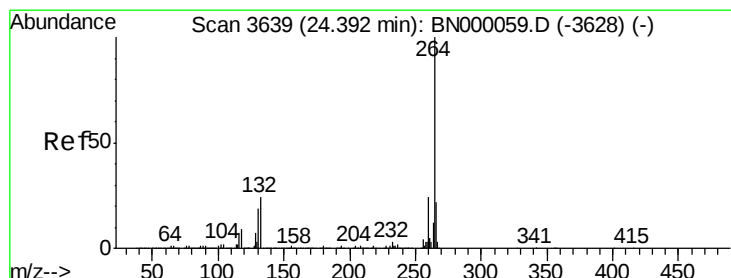
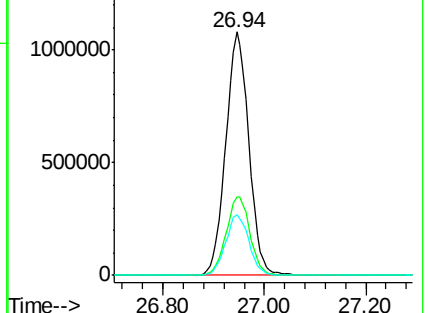
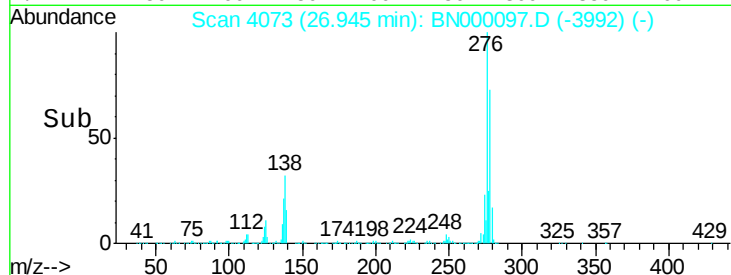
277 25.4 20.0 30.0



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: 20.000 ng

RT: 24.39 min Scan# 3638

Delta R.T. -0.03 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

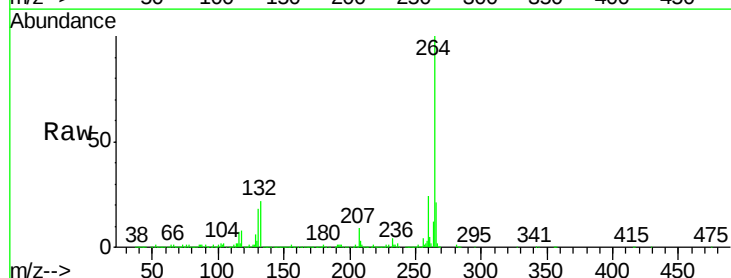
Tgt Ion:264 Resp: 2512382

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

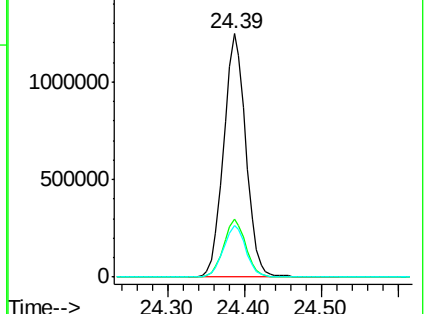
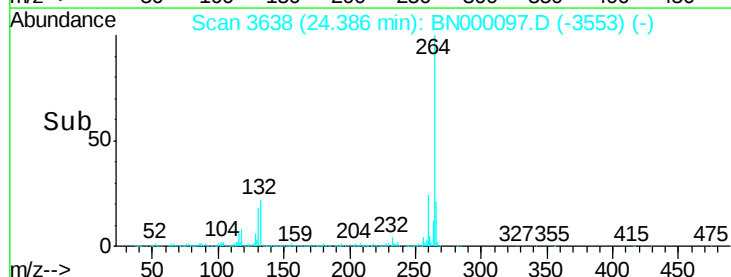
265 21.2 17.7 26.5

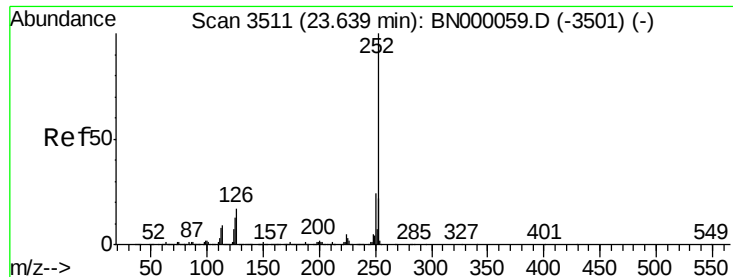


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

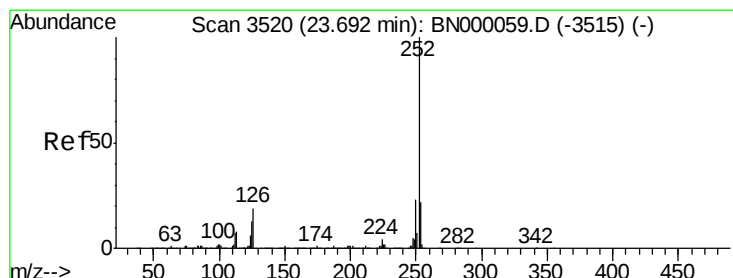
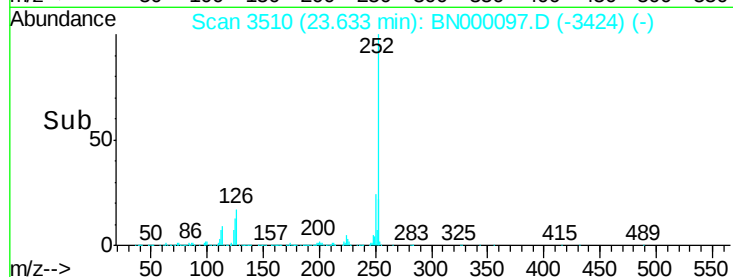
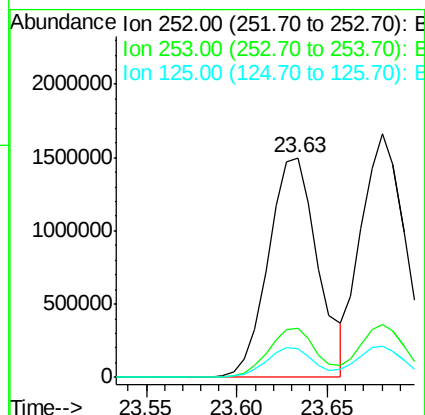
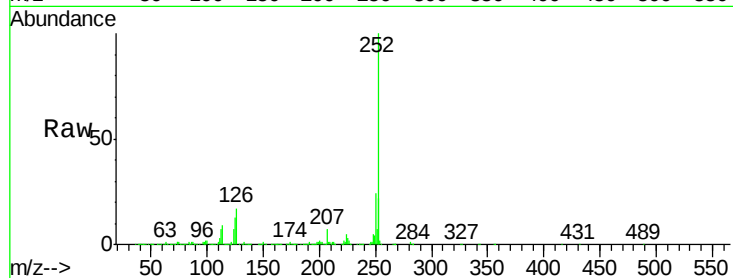




#87  
Benzo(b)fluoranthene  
Concen: 19.397 ng  
RT: 23.63 min Scan# 3510  
Delta R.T. -0.02 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

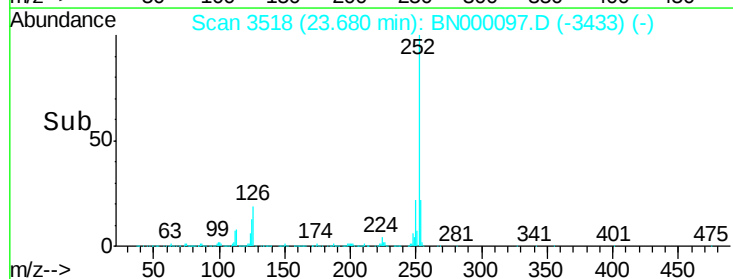
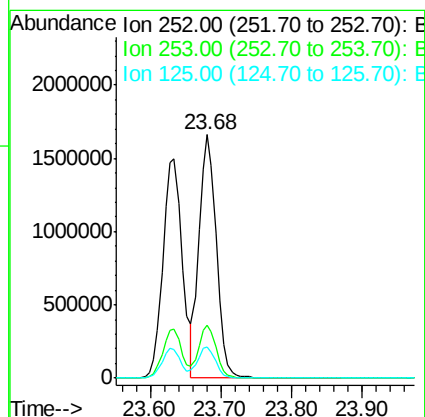
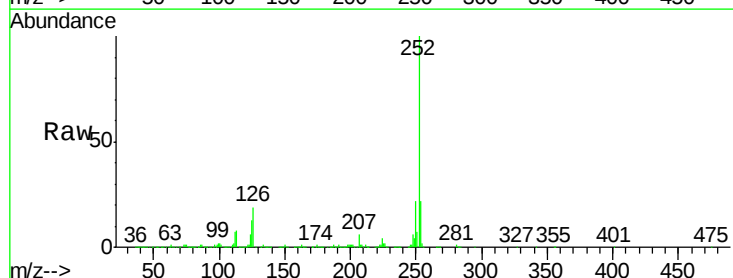
Instrument :  
BNA\_N  
ClientSampleId :  
LOQ-SOIL-02-QT1-2018

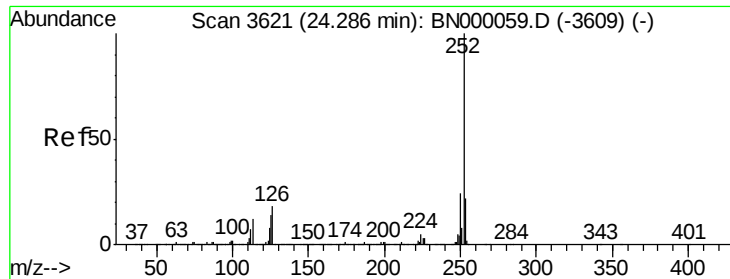
Tot Ion:252 Resp: 2852414  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.2 27.4  
125 13.1 7.2 10.8#



#88  
Benzo(k)fluoranthene  
Concen: 19.250 ng  
RT: 23.68 min Scan# 3518  
Delta R.T. -0.03 min  
Lab File: BN000097.D  
Acq: 15 Feb 2018 15:16

Tgt Ion:252 Resp: 2851064  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.4 26.2  
125 13.0 6.6 9.8#





#89

Benzo(a)pyrene

Concen: 19.106 ng

RT: 24.28 min Scan# 3620

Delta R.T. -0.03 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

Instrument :

BNA\_N

ClientSampleId :

LOQ-SOIL-02-QT1-2018

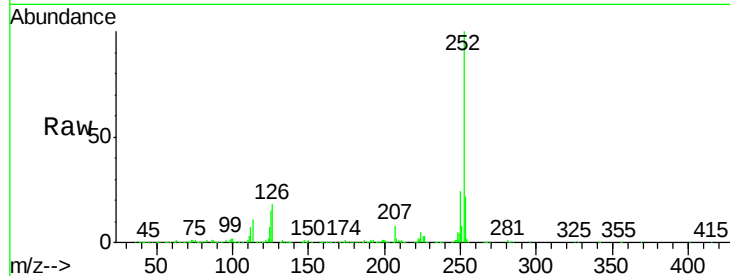
Tot Ion:252 Resp: 2694407

Ion Ratio Lower Upper

252 100

253 22.1 18.3 27.5

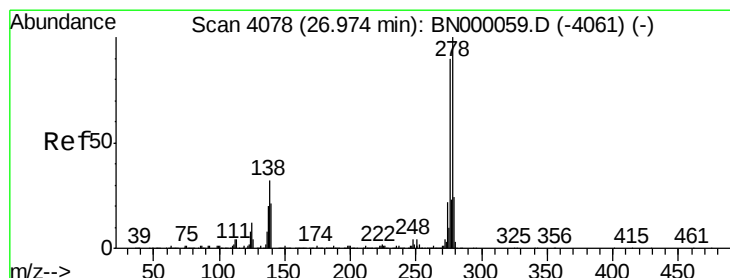
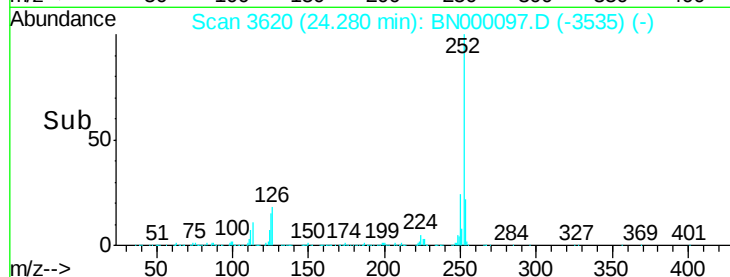
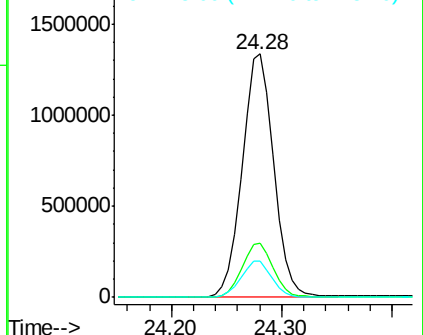
125 15.0 7.3 10.9#



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: 19.396 ng

RT: 26.96 min Scan# 4075

Delta R.T. -0.05 min

Lab File: BN000097.D

Acq: 15 Feb 2018 15:16

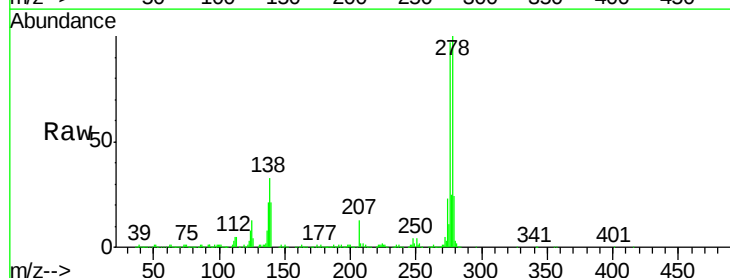
Tgt Ion:278 Resp: 2860423

Ion Ratio Lower Upper

278 100

139 21.4 9.8 14.6#

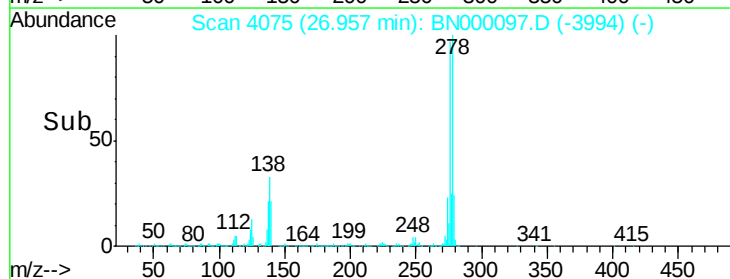
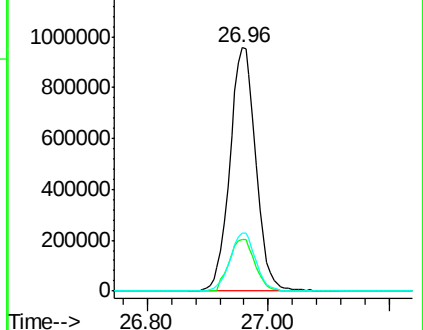
279 24.0 18.4 27.6

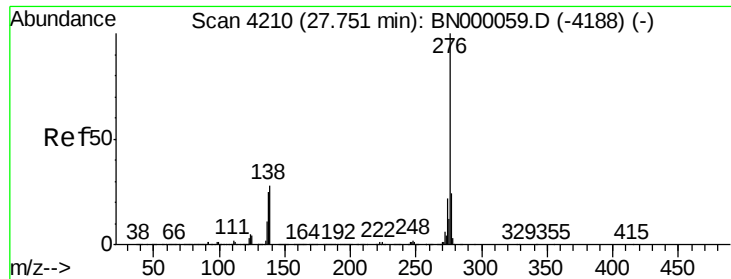


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91  
 Benzo(a,h,i)perylene  
 Concen: 18.922 ng  
 RT: 27.73 min Scan# 4207  
 Delta R.T. -0.05 min  
 Lab File: BN000097.D  
 Acq: 15 Feb 2018 15:16

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2018

Tot Ion:276 Resp: 2821733  
 Ion Ratio Lower Upper  
 276 100  
 277 23.9 18.3 27.5  
 138 28.6 13.9 20.9#

