

#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 855

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

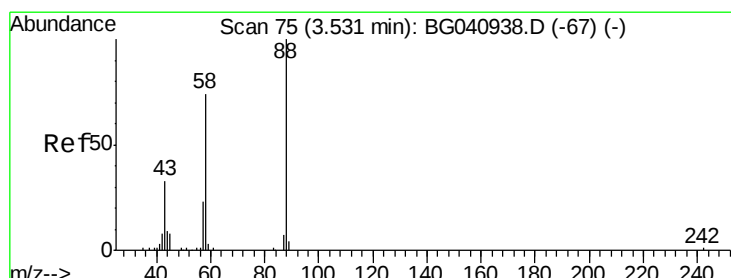
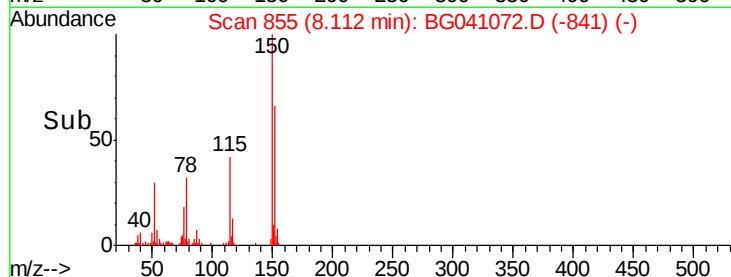
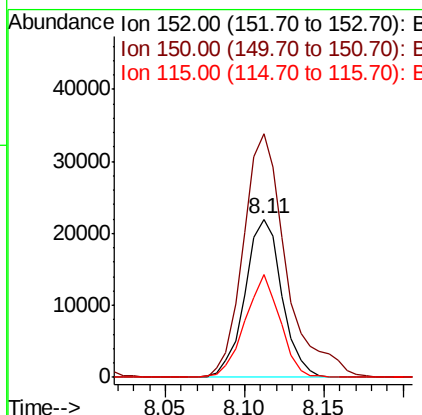
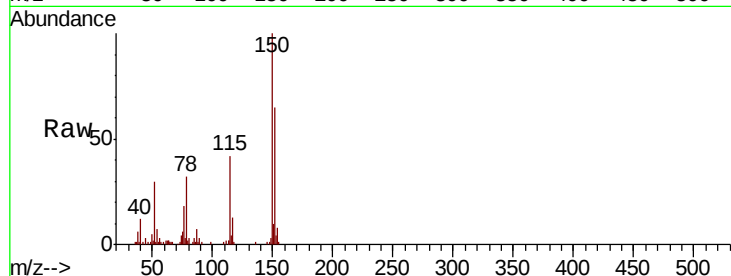
ClientSampleId :

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|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 35644 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 153.6 | 120.6 | 180.8 |
| 115      | 64.5  | 45.1  | 67.7  |

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#2

1,4-Dioxane

Concen: 22.692 ng

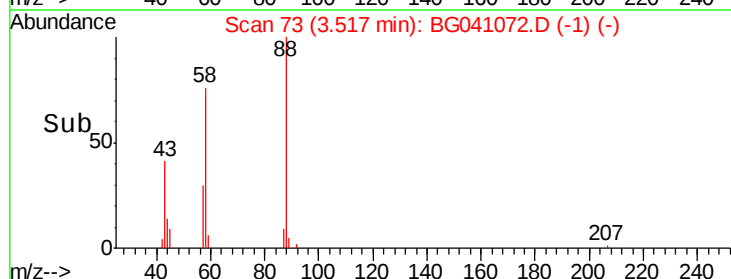
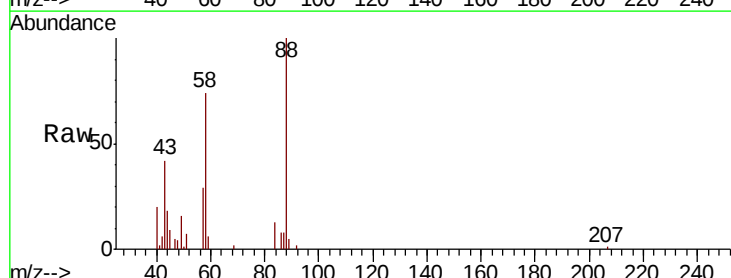
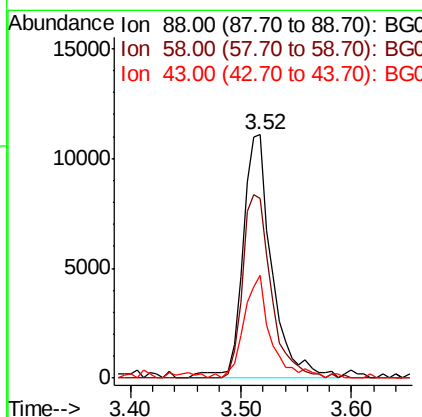
RT: 3.52 min Scan# 73

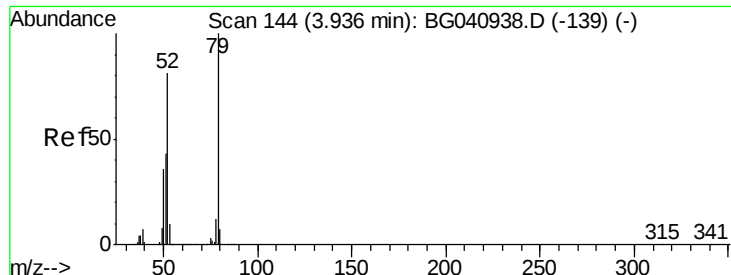
Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 20354 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 58       | 74.1  | 59.0  | 88.6  |
| 43       | 38.8  | 27.2  | 40.8  |





#3

Pvridine

Concen: 17.590 ng

RT: 3.92 min Scan# 142

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

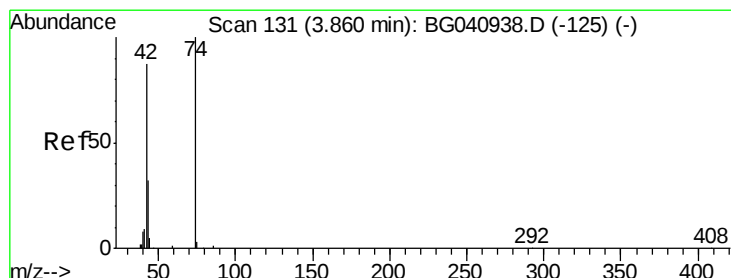
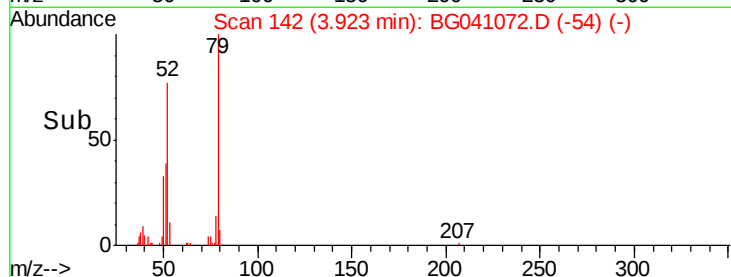
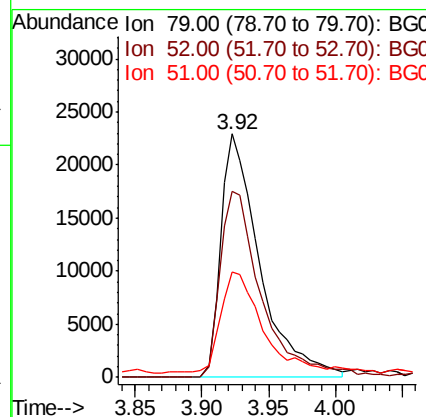
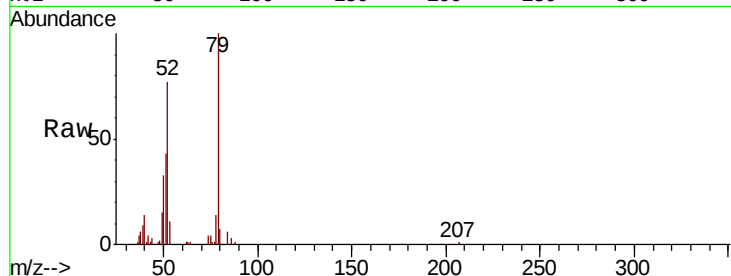
ClientSampleId :

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|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 46686 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 76.5  | 64.8  | 97.2  |
| 51       | 43.5  | 35.3  | 52.9  |

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#4

n-Nitrosodimethylamine

Concen: 19.680 ng

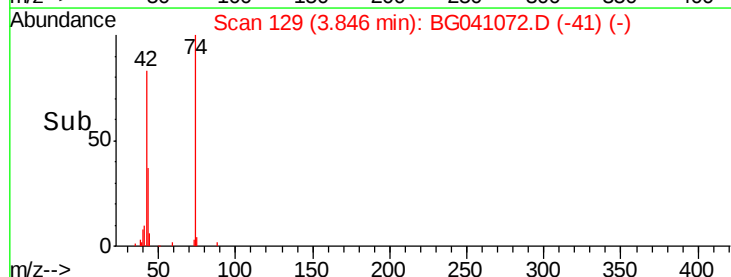
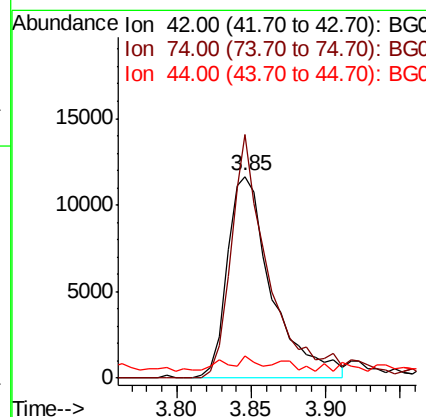
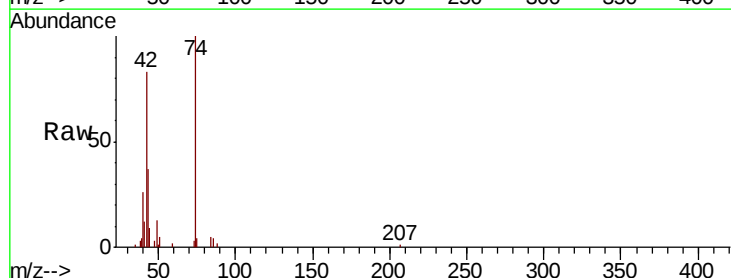
RT: 3.85 min Scan# 129

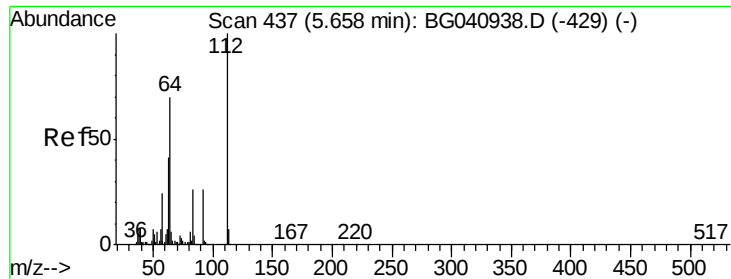
Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 24242 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 120.8 | 91.8  | 137.6 |
| 44       | 11.0  | 6.0   | 9.0#  |





#5

2-Fluorophenol

Concen: 87.971 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

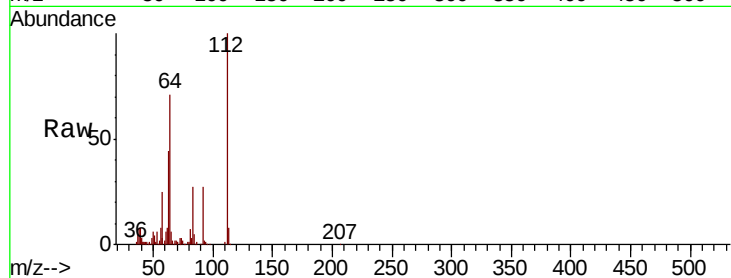
ClientSampleId :

LOQ-SOIL-02-QT2-2019

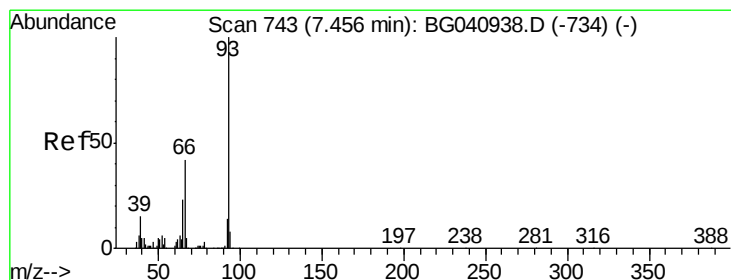
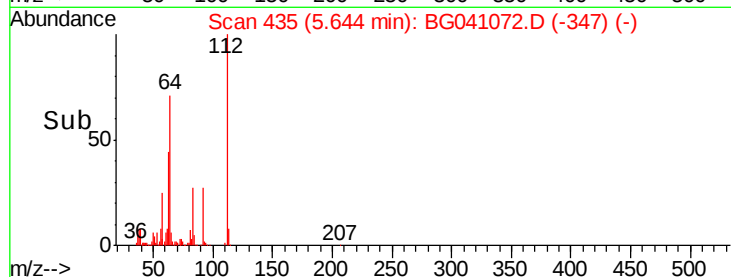
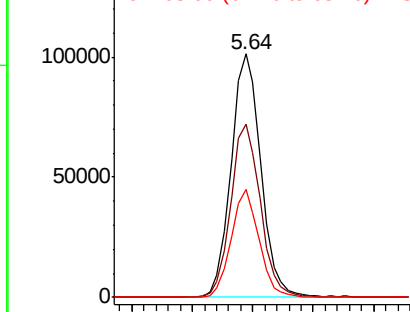
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 173891 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 71.0  | 56.2  | 84.2   |
| 63        | 44.3  | 32.8  | 49.2   |

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Abundance Ion 112.00 (111.70 to 112.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 17.115 ng

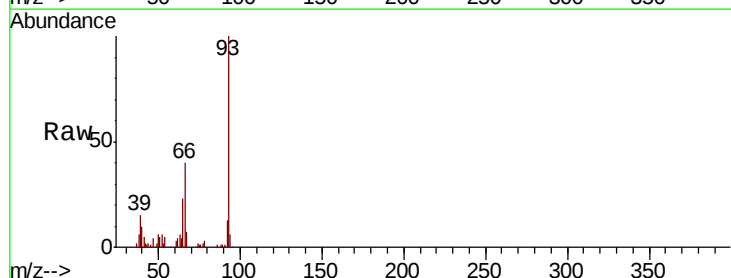
RT: 7.43 min Scan# 739

Delta R.T. -0.03 min

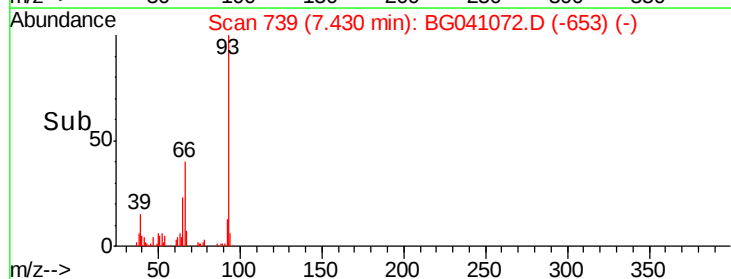
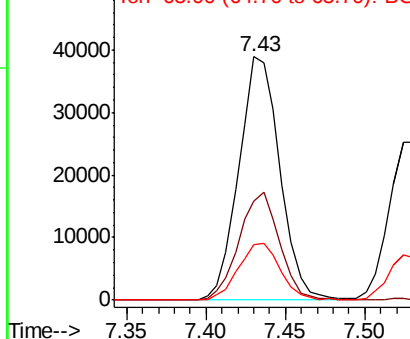
Lab File: BG041072.D

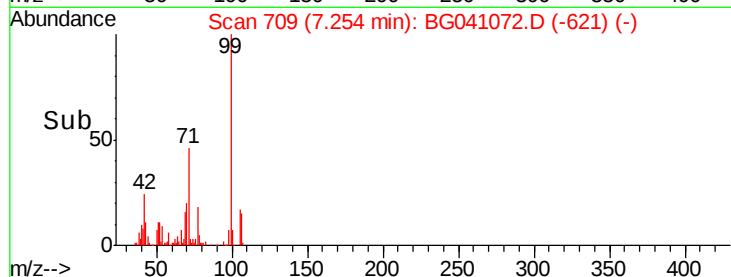
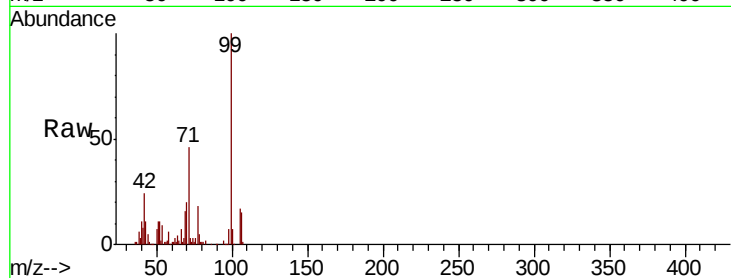
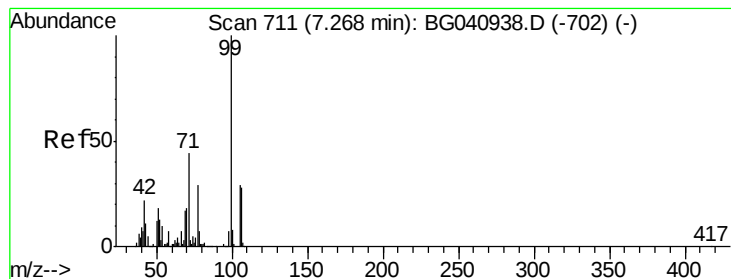
Acq: 5 Jun 2019 15:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 69740 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 40.5  | 33.8  | 50.8  |
| 65        | 22.7  | 18.3  | 27.5  |



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 79.583 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 242951 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 23.6  | 17.9  | 26.9   |
| 71        | 45.9  | 35.4  | 53.0   |

Instrument :

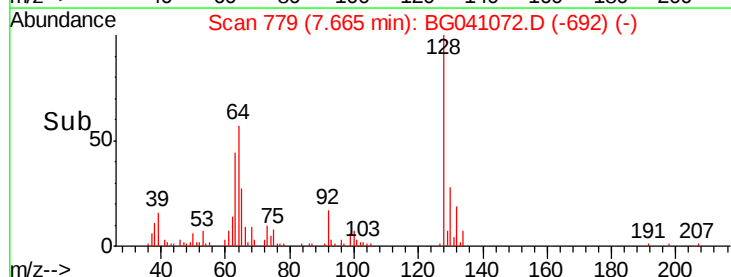
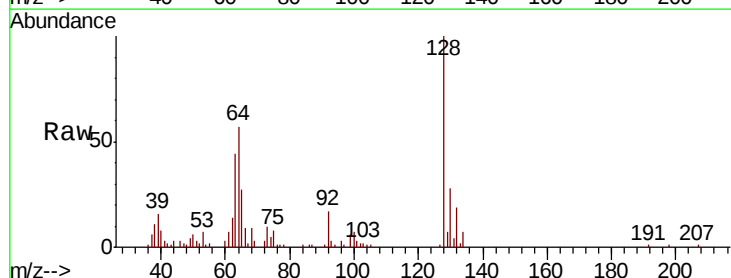
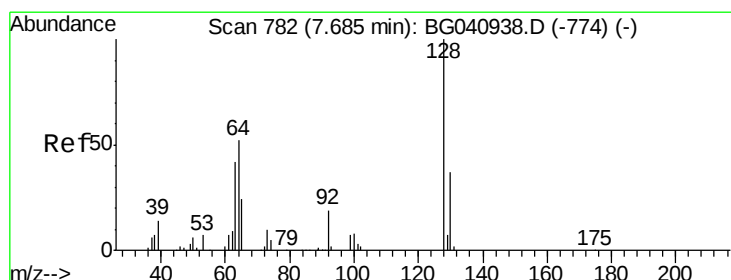
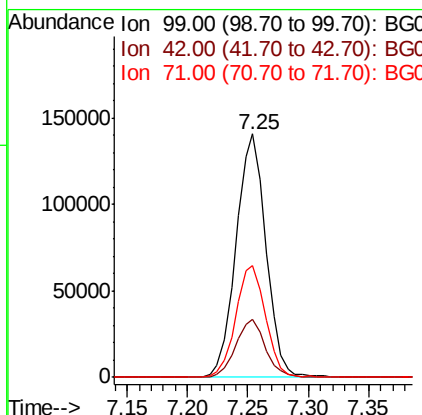
BNA\_G

ClientSampleId :

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#8

2-Chlorophenol

Concen: 18.487 ng

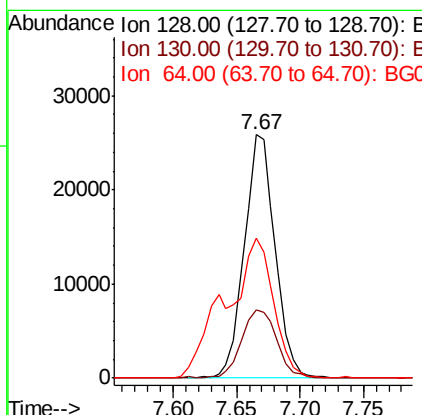
RT: 7.67 min Scan# 779

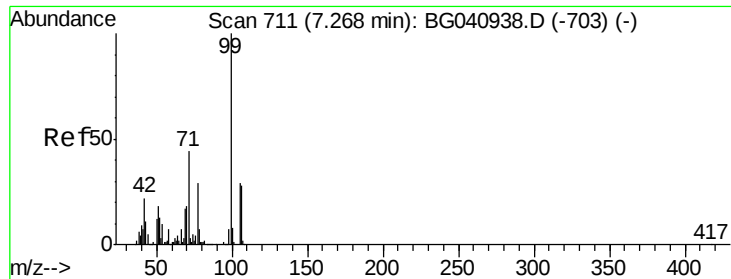
Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 43566 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 130       | 28.1  | 16.6  | 56.6  |
| 64        | 57.3  | 37.8  | 77.8  |





#9

Benzaldehyde

Concen: 26.541 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

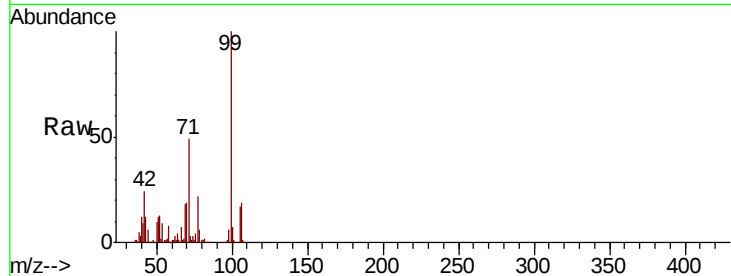
ClientSampleId :

LOQ-SOIL-02-QT2-2019

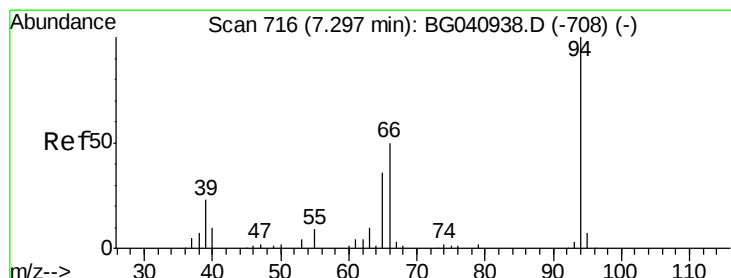
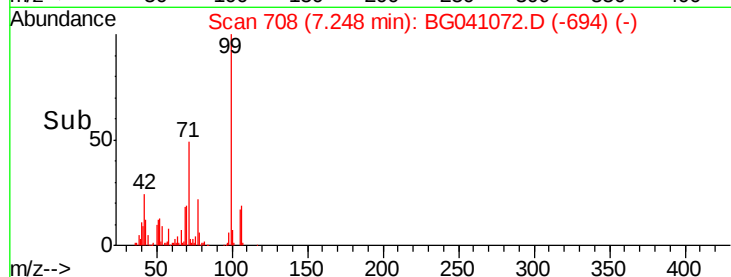
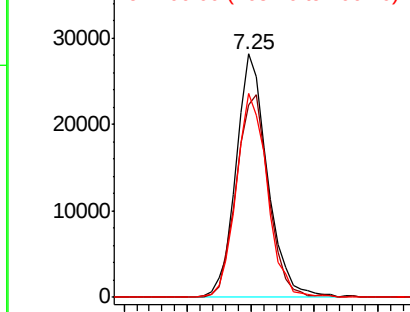
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 77      | 100   |       |        |
| 105     | 78.8  | 78.9  | 118.9# |
| 106     | 84.0  | 76.7  | 116.7  |

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Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 17.588 ng

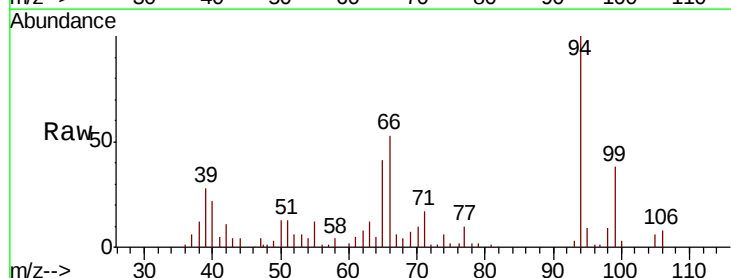
RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

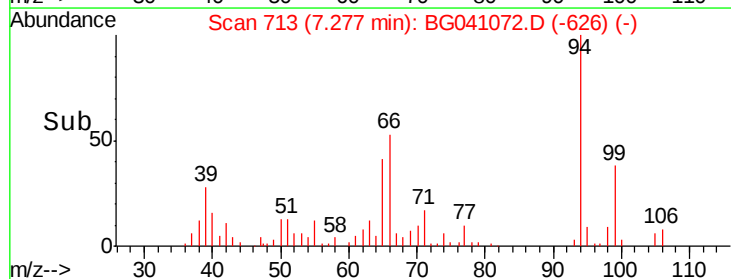
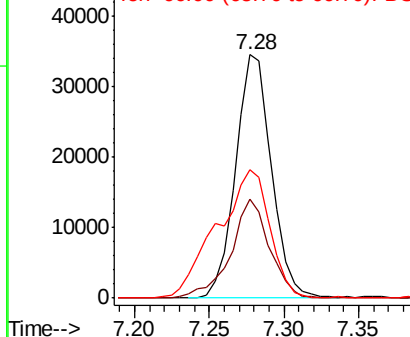
Lab File: BG041072.D

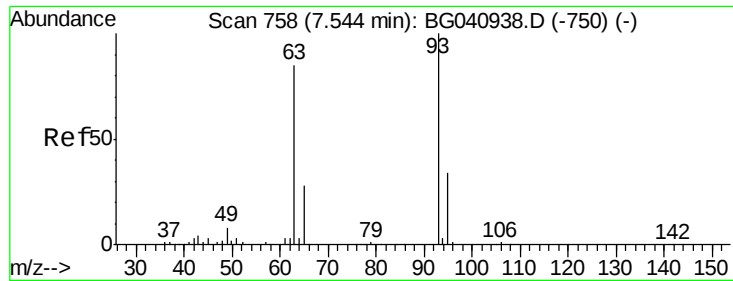
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 40.8  | 17.0  | 57.0  |
| 66      | 52.6  | 32.4  | 72.4  |



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC





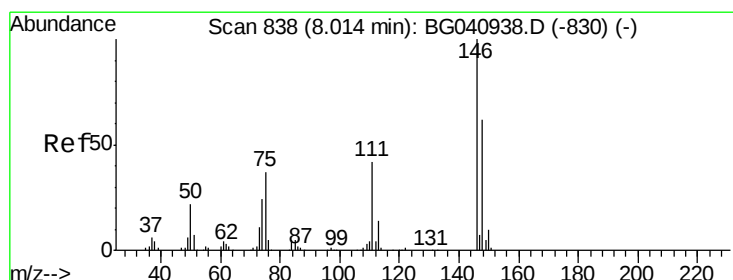
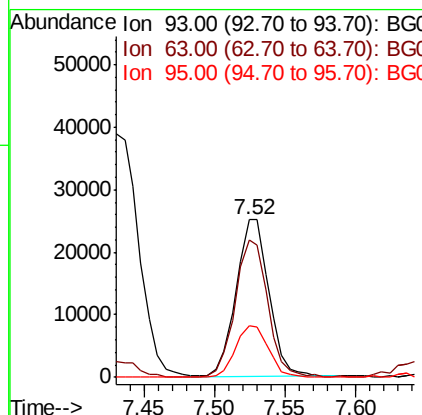
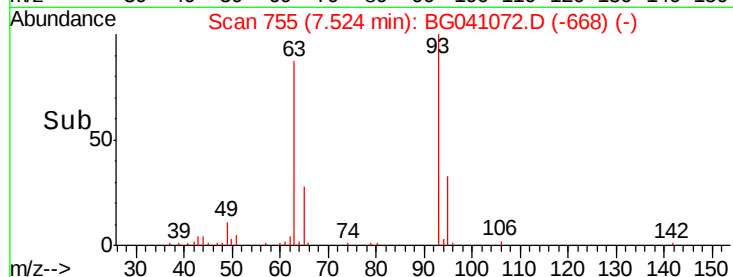
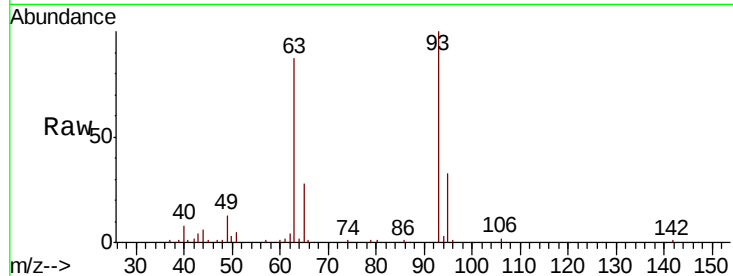
#11  
bis(2-Chloroethyl)ether  
Concen: 17.217 ng  
RT: 7.52 min Scan# 755  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 93      | 100  |       | 40882 |       |       |
| 63      | 86.8 | 64.5  | 104.5 |       |       |
| 95      | 32.9 | 13.3  | 53.3  |       |       |

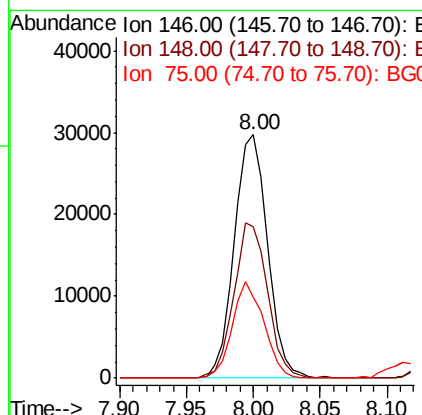
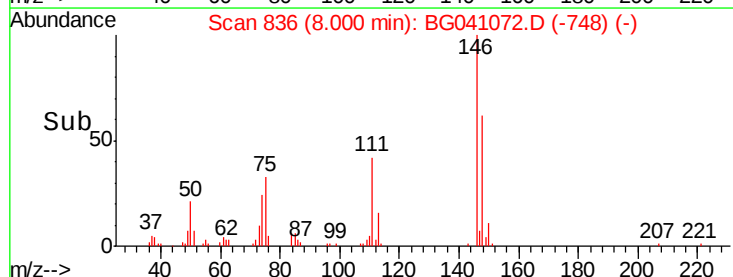
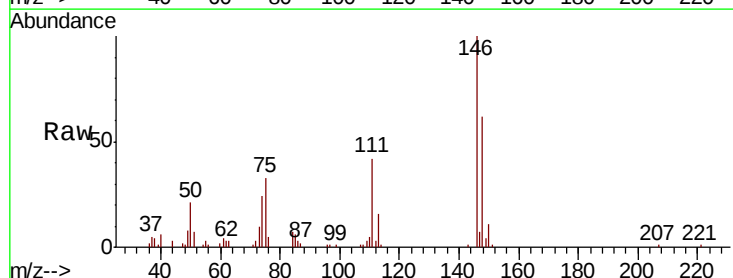
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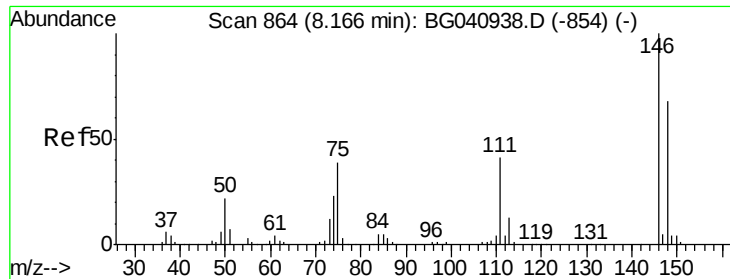
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#12  
1,3-Dichlorobenzene  
Concen: 18.283 ng  
RT: 8.00 min Scan# 836  
Delta R.T. -0.01 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 146     | 100  |       | 51459 |       |       |
| 148     | 62.0 | 49.2  | 73.8  |       |       |
| 75      | 33.5 | 29.4  | 44.0  |       |       |





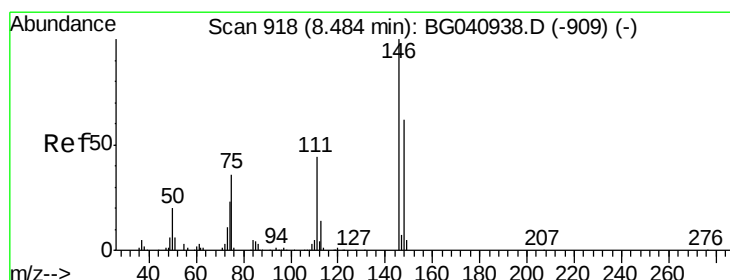
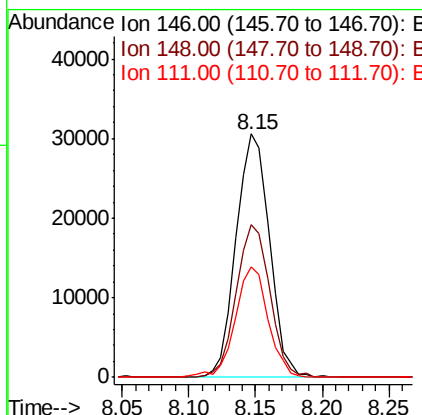
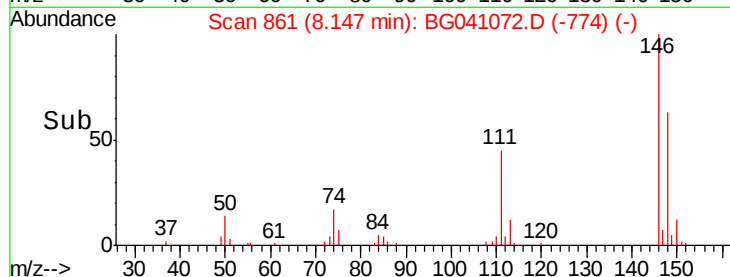
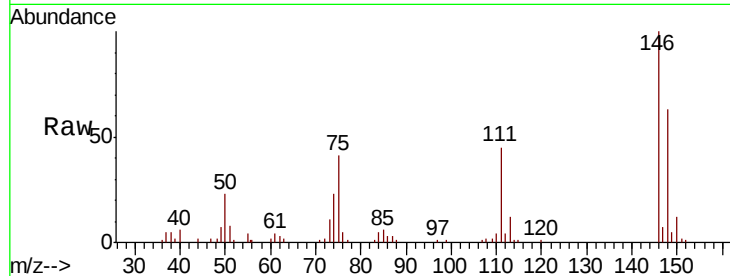
#13  
1,4-Dichlorobenzene  
Concen: 18.585 ng  
RT: 8.15 min Scan# 861  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.5  | 54.2  | 81.4  |
| 111     | 45.2  | 32.9  | 49.3  |

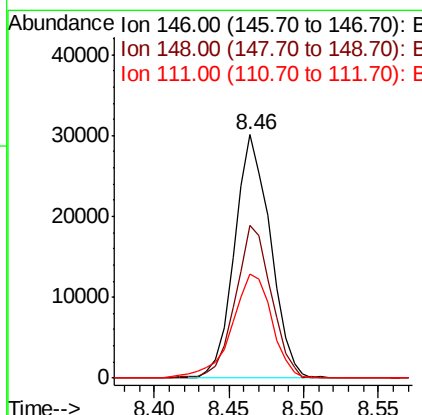
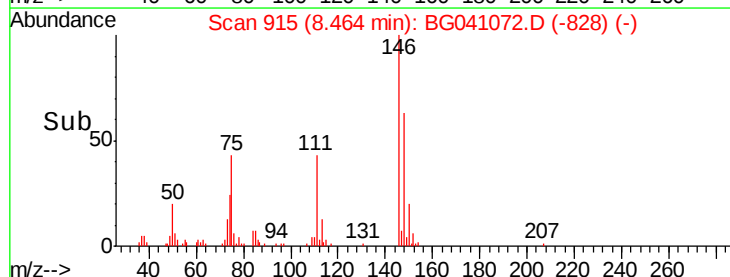
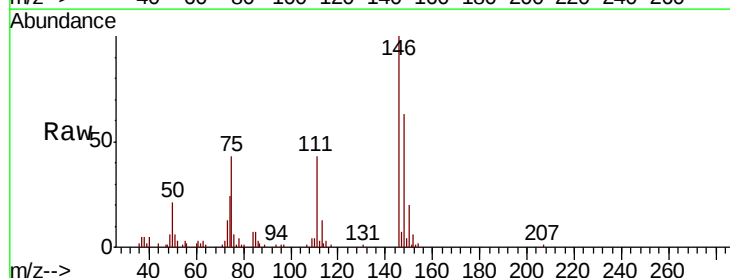
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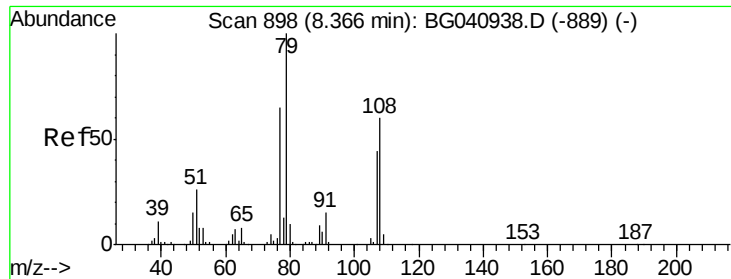
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#14  
1,2-Dichlorobenzene  
Concen: 18.156 ng  
RT: 8.46 min Scan# 915  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.6  | 49.8  | 74.6  |
| 111     | 42.7  | 35.0  | 52.4  |





#15

Benzyl Alcohol

Concen: 16.810 ng

RT: 8.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

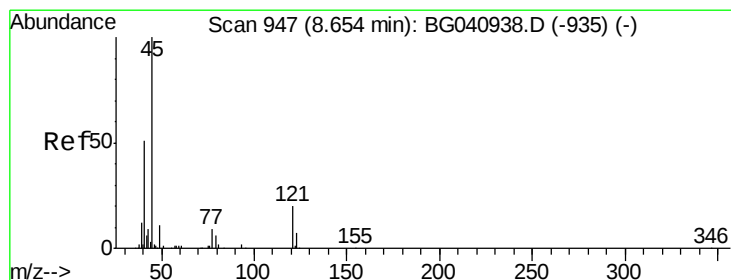
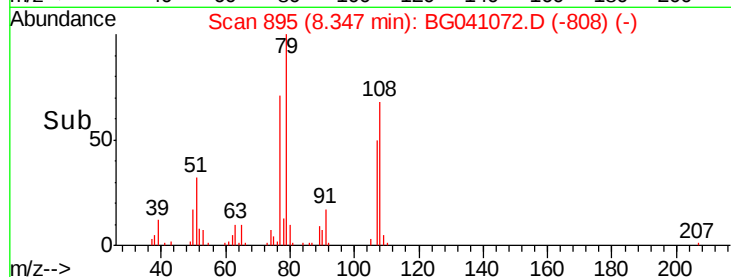
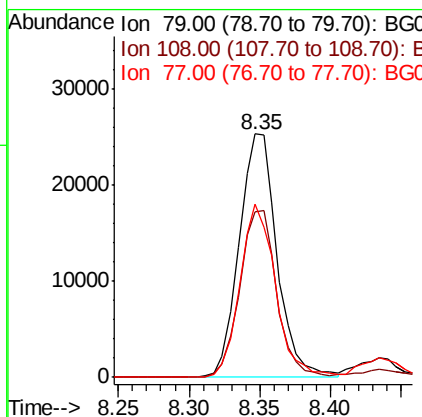
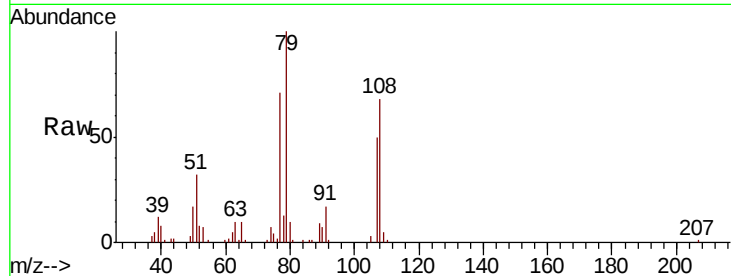
ClientSampleId :

LOQ-SOIL-02-QT2-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 47472 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 108      | 68.2  | 48.3  | 72.5  |
| 77       | 71.3  | 52.3  | 78.5  |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 17.622 ng

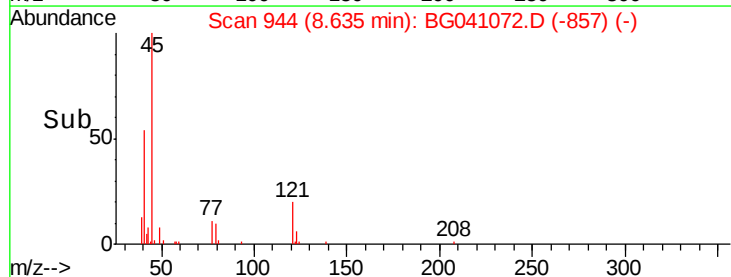
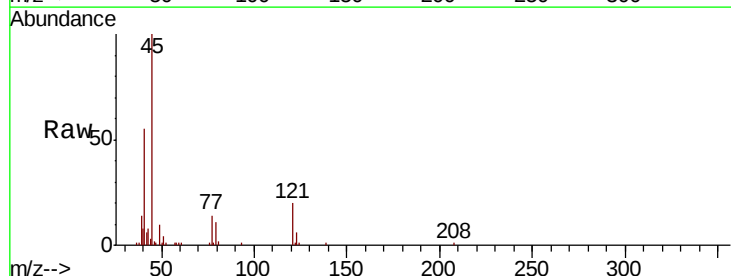
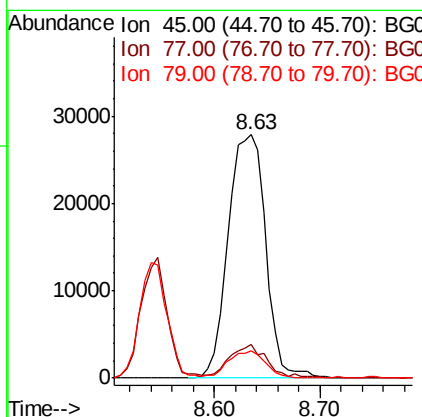
RT: 8.63 min Scan# 944

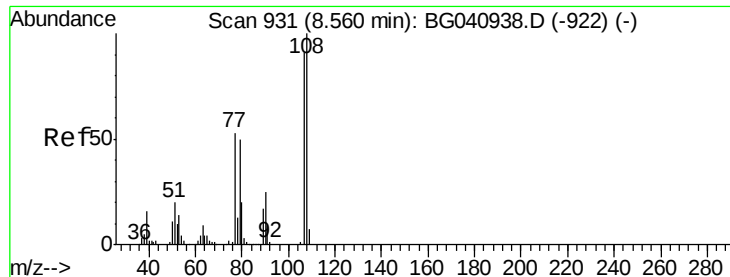
Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 68375 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 77       | 13.6  | 0.0   | 33.7  |
| 79       | 11.4  | 0.0   | 30.2  |





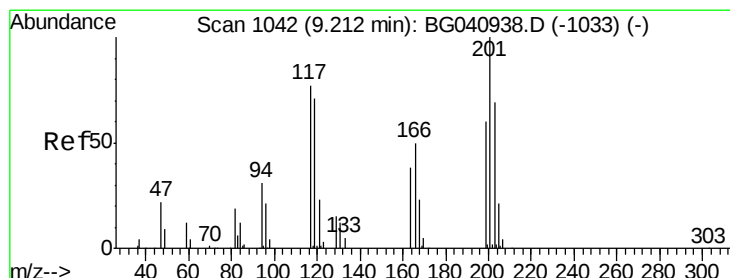
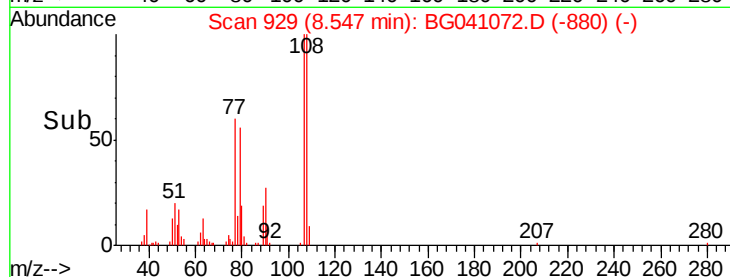
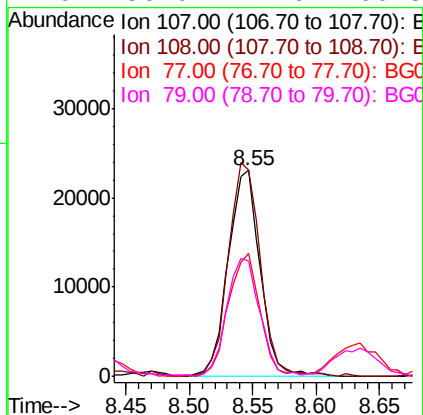
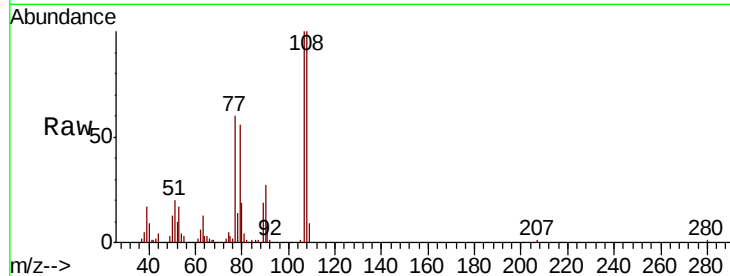
#17  
2-Methylphenol  
Concen: 16.926 ng  
RT: 8.55 min Scan# 929  
Delta R.T. -0.01 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 100.2 | 87.7 | 131.5 |       |
| 77      | 60.1  | 46.6 | 70.0  |       |
| 79      | 56.0  | 44.6 | 66.8  |       |

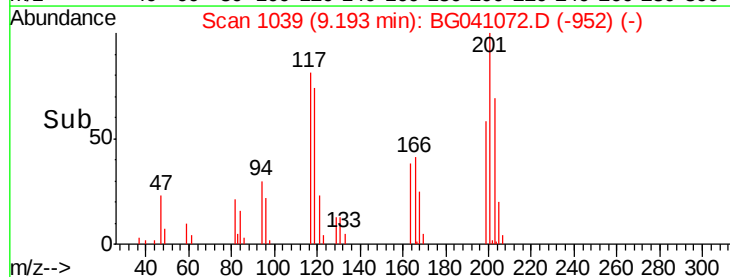
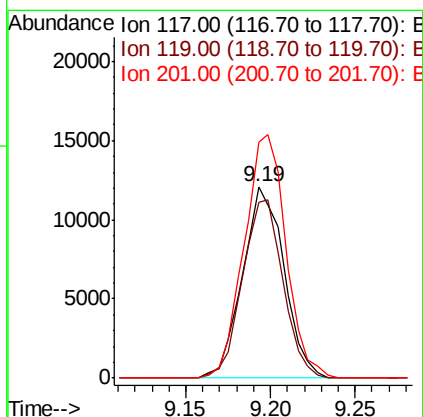
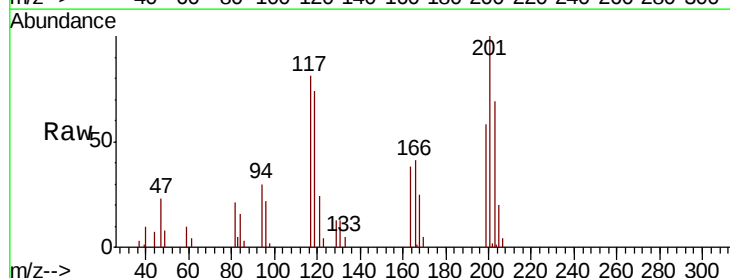
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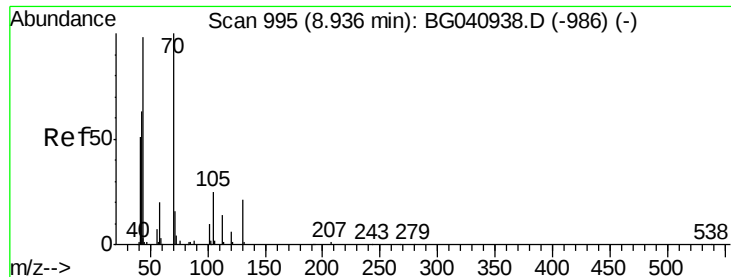
mohammad  
6/6/2019 3:42:21 PM



#18  
Hexachloroethane  
Concen: 18.811 ng  
RT: 9.19 min Scan# 1039  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   |       |       |       |
| 119     | 91.8  | 75.0  | 112.6 |       |
| 201     | 123.6 | 103.5 | 155.3 |       |





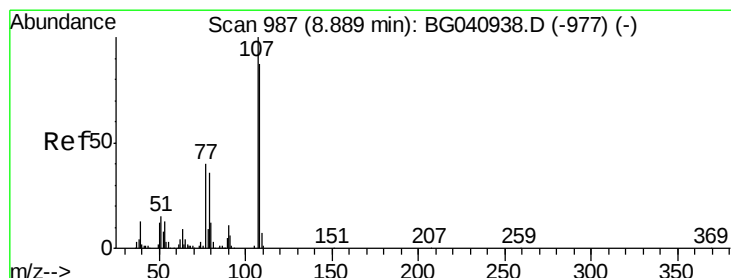
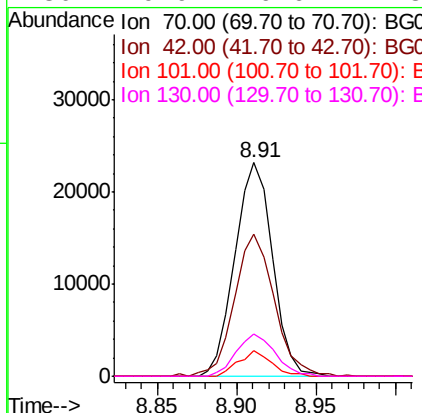
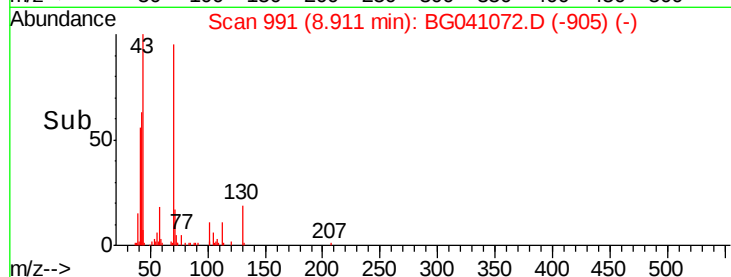
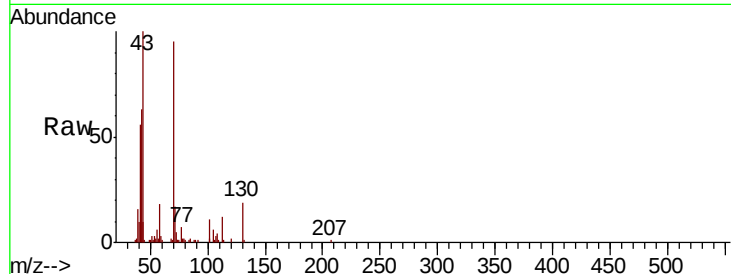
#19  
n-Nitroso-di-n-propylamine  
Concen: 16.316 ng  
RT: 8.91 min Scan# 991  
Delta R.T. -0.03 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 66.7  | 51.5  | 77.3  |
| 101     | 11.9  | 8.1   | 12.1  |
| 130     | 19.9  | 16.6  | 24.8  |

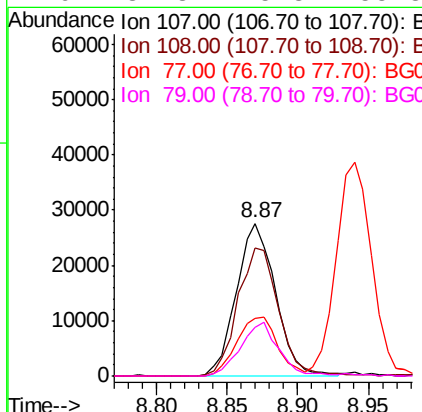
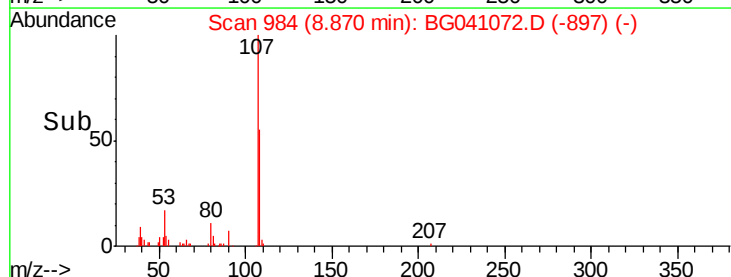
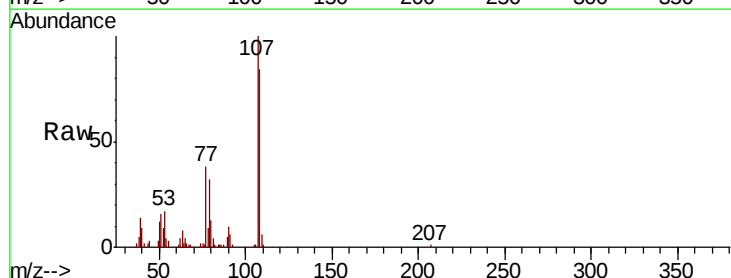
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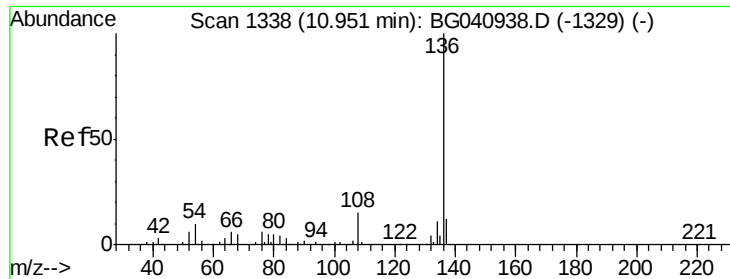
mohammad  
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#20  
3+4-Methylphenols  
Concen: 16.274 ng  
RT: 8.87 min Scan# 984  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 83.8  | 66.8  | 106.8 |
| 77      | 38.1  | 20.5  | 60.5  |
| 79      | 32.3  | 15.8  | 55.8  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

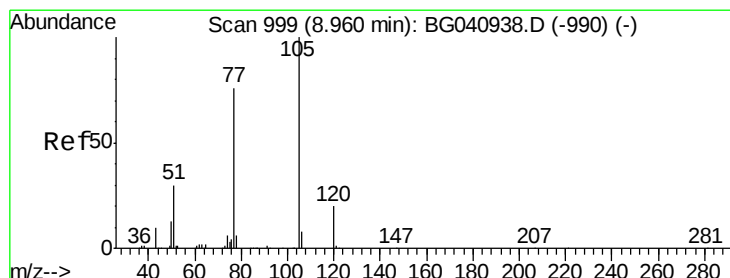
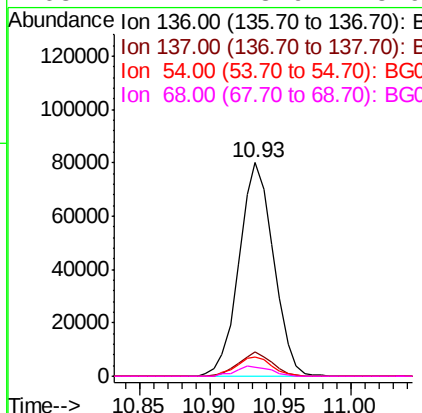
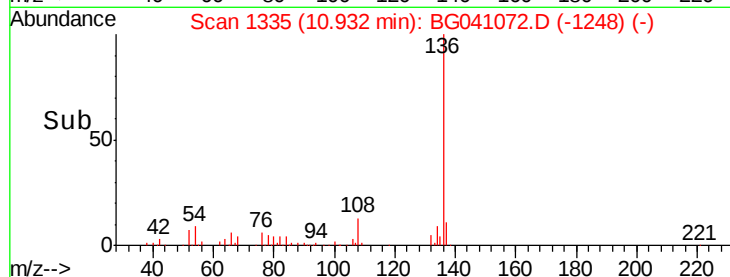
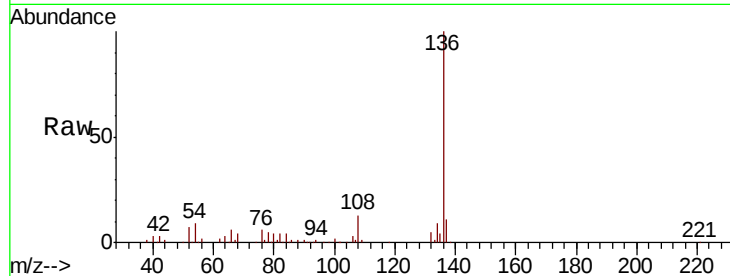
ClientSampleId :

LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 136703 |       |       |
| 137     | 11.1  |        | 9.5   | 14.3  |
| 54      | 9.0   |        | 7.6   | 11.4  |
| 68      | 4.2   |        | 3.9   | 5.9   |

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#22

Acetophenone

Concen: 20.658 ng

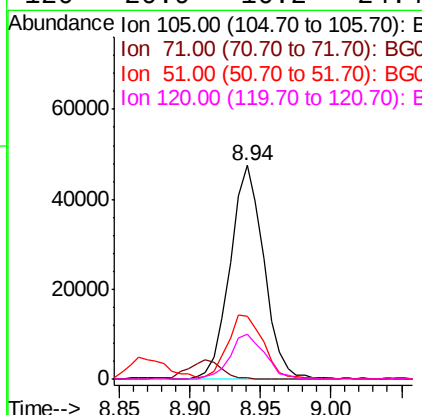
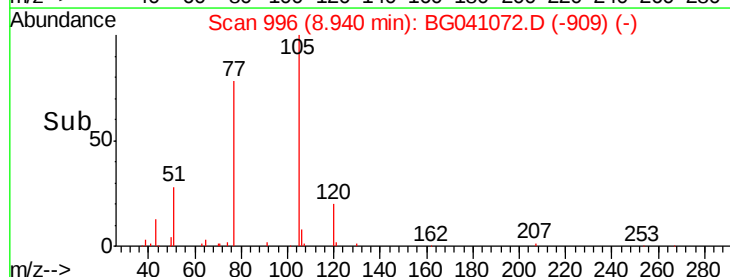
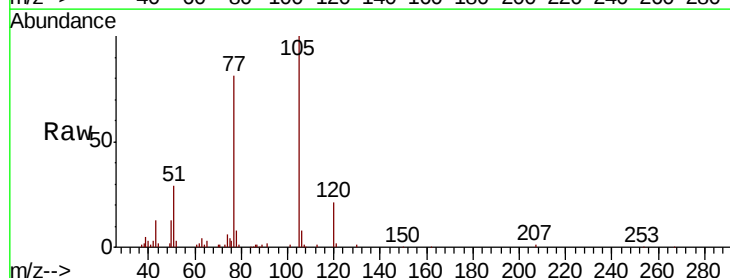
RT: 8.94 min Scan# 996

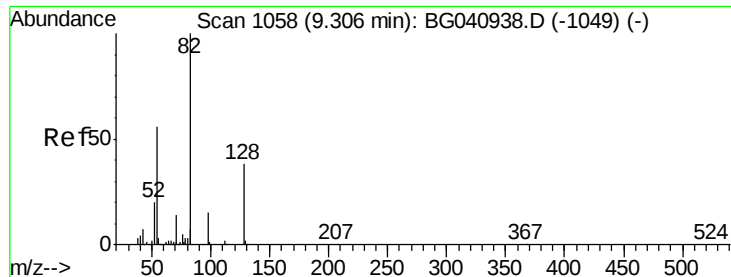
Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 105     | 100   | 79220 |       |       |
| 71      | 0.5   |       | 0.4   | 0.6   |
| 51      | 29.5  |       | 27.0  | 40.6  |
| 120     | 20.9  |       | 16.2  | 24.4  |





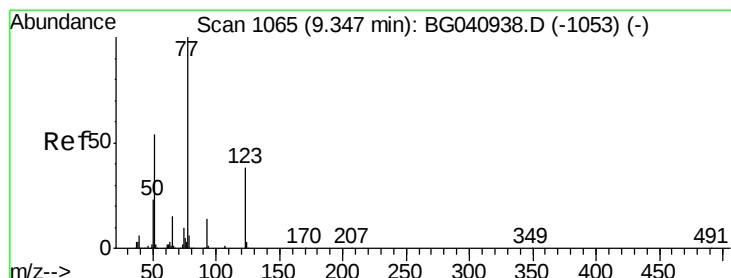
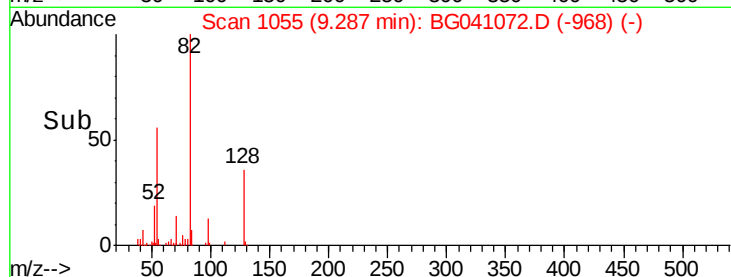
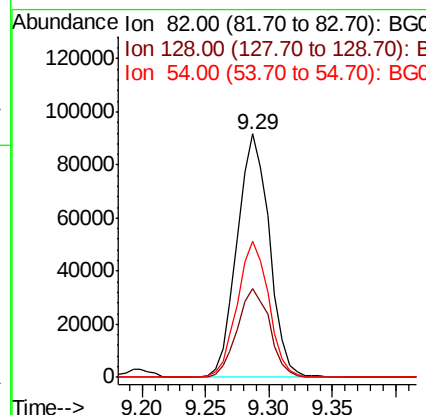
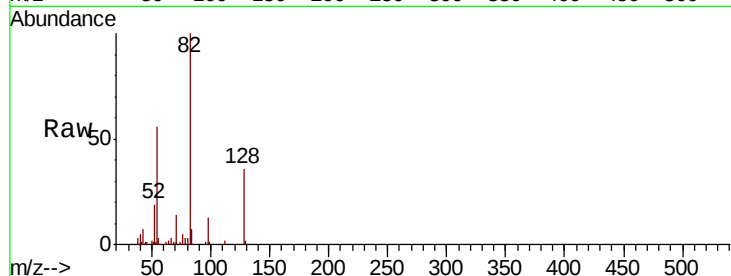
#23  
 Nitrobenzene-d5  
 Concen: 52.359 ng  
 RT: 9.29 min Scan# 1055  
 Delta R.T. -0.02 min  
 Lab File: BG041072.D  
 Acq: 5 Jun 2019 15:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.3  | 30.5  | 45.7  |
| 54      | 55.9  | 44.6  | 66.8  |

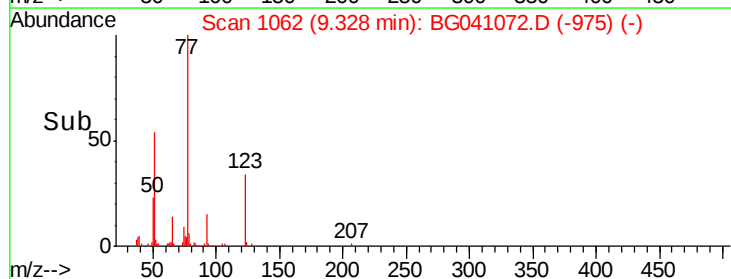
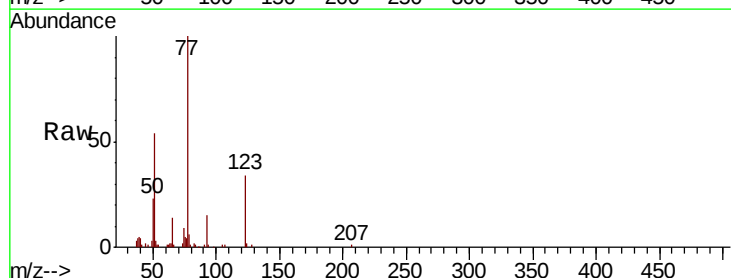
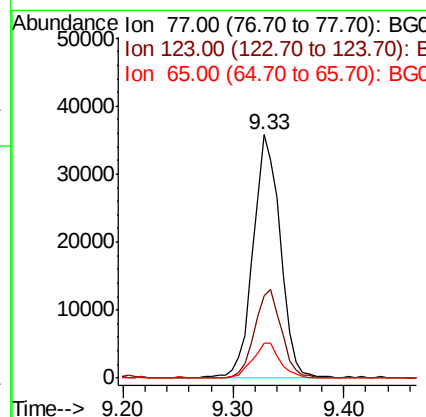
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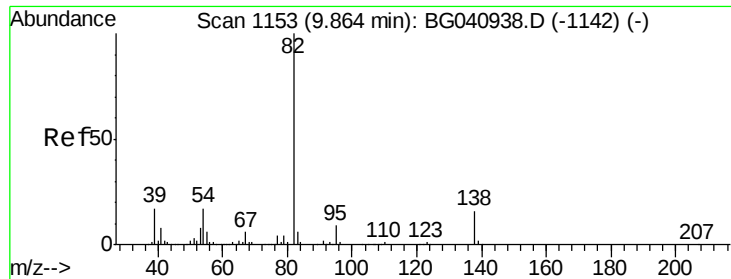
mohammad  
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#24  
 Nitrobenzene  
 Concen: 19.785 ng  
 RT: 9.33 min Scan# 1062  
 Delta R.T. -0.02 min  
 Lab File: BG041072.D  
 Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 33.7  | 30.6  | 46.0  |
| 65      | 14.2  | 12.3  | 18.5  |





#25

Isophorone

Concen: 18.245 ng

RT: 9.85 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

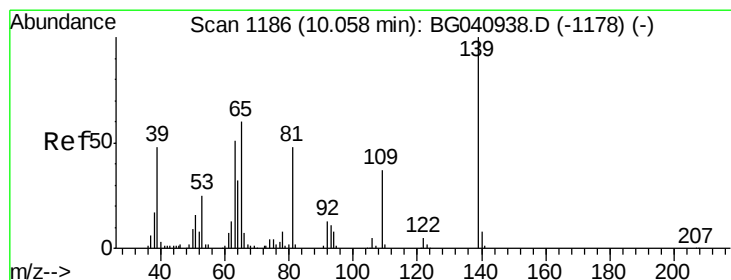
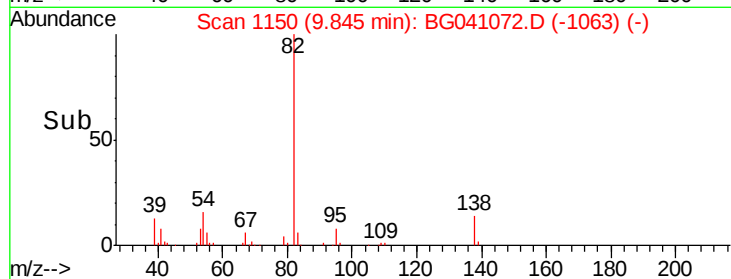
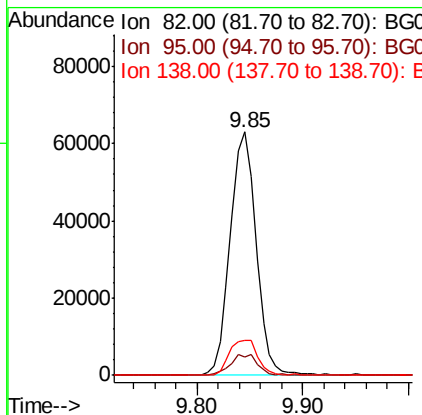
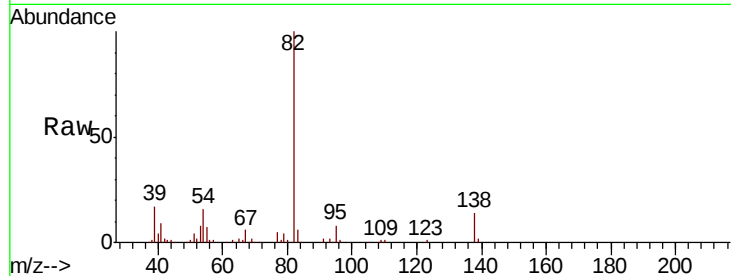
ClientSampleId :

LOQ-SOIL-02-QT2-2019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 106920 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.6   | 7.0   | 10.4   |
| 138       | 14.4  | 12.6  | 19.0   |

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#26

2-Nitrophenol

Concen: 19.911 ng

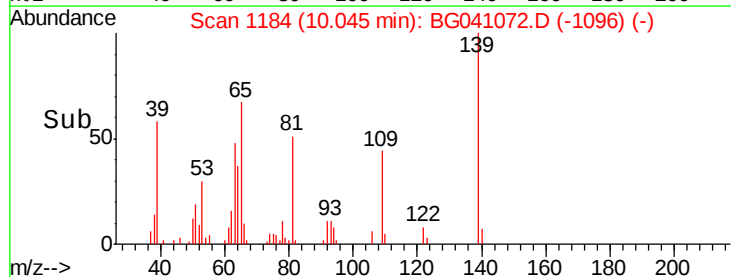
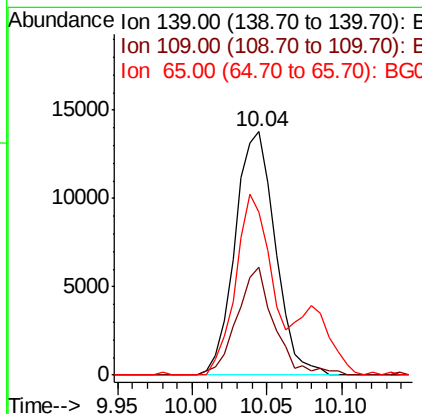
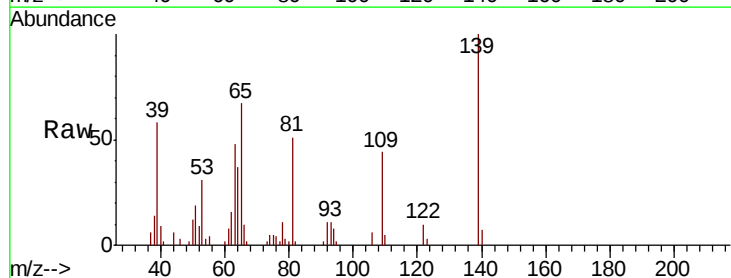
RT: 10.04 min Scan# 1184

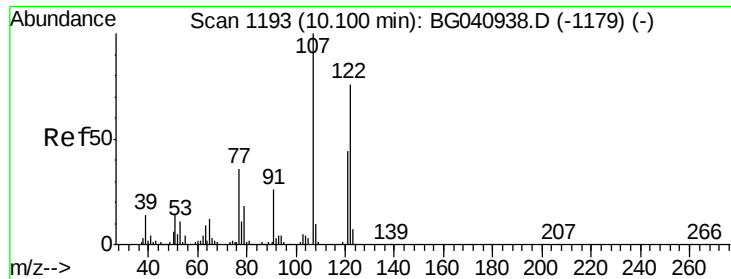
Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 25759 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 44.5  | 29.8  | 44.6  |
| 65        | 67.0  | 47.8  | 71.6  |





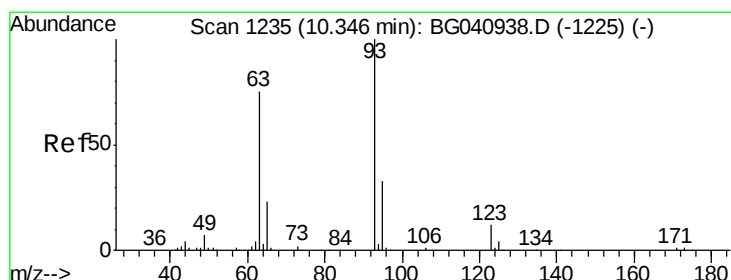
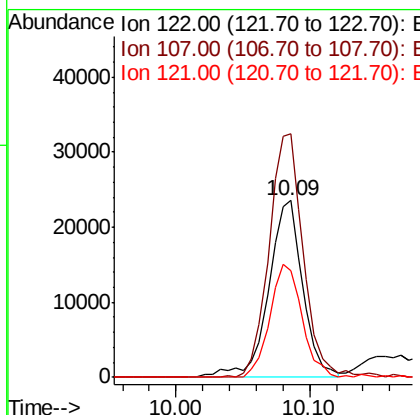
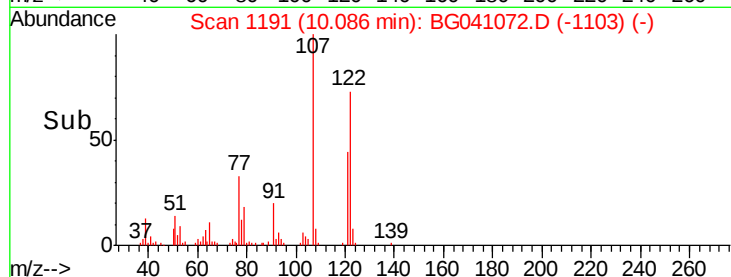
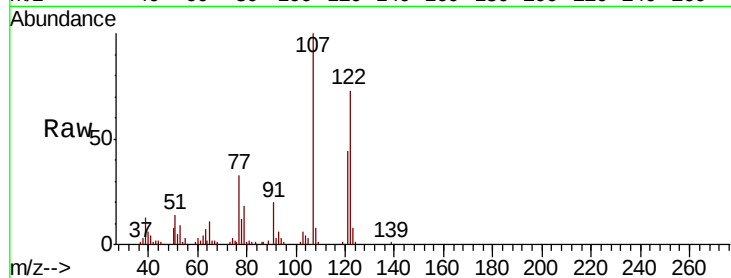
#27  
2,4-Dimethylphenol  
Concen: 19.642 ng  
RT: 10.09 min Scan# 1191  
Delta R.T. -0.01 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |
| 107     | 137.8 | 105.9 | 158.9 |       |
| 121     | 60.2  | 46.2  | 69.4  |       |

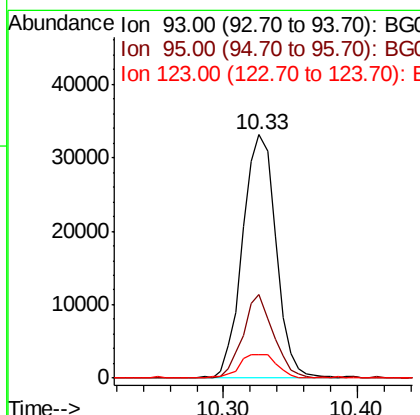
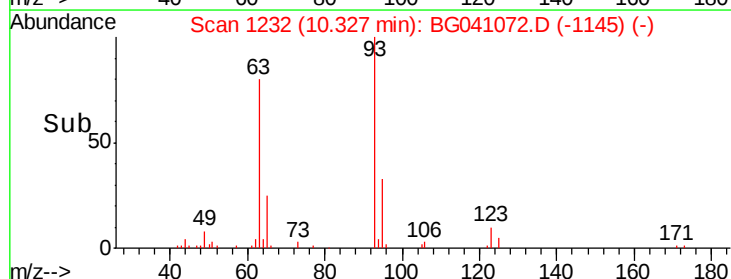
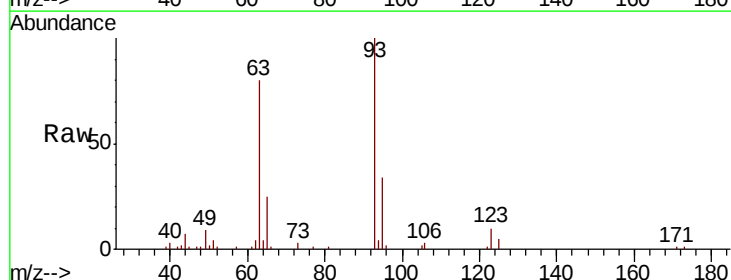
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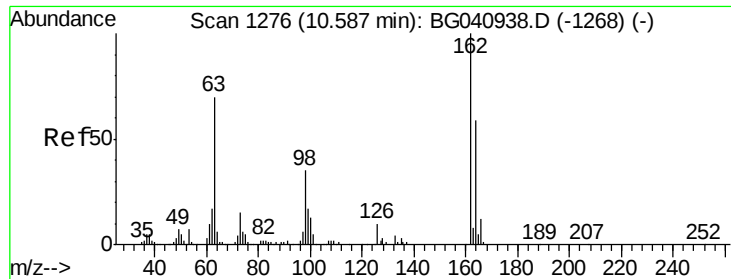
mohammad  
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#28  
bis(2-Chloroethoxy)methane  
Concen: 18.057 ng  
RT: 10.33 min Scan# 1232  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 93      | 100  |       |       |       |
| 95      | 34.1 | 26.2  | 39.2  |       |
| 123     | 9.8  | 9.5   | 14.3  |       |





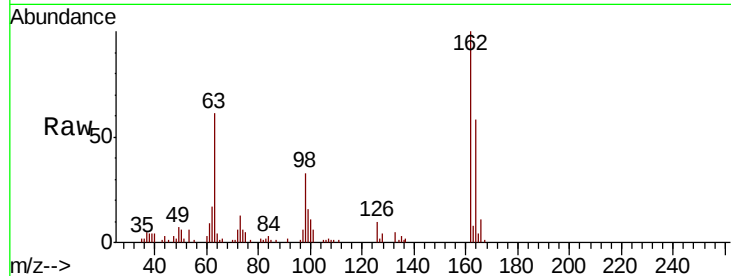
#29  
2,4-Dichlorophenol  
Concen: 17.348 ng  
RT: 10.57 min Scan# 1274  
Delta R.T. -0.01 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 57.9  | 39.4  | 79.4  |
| 98      | 32.7  | 15.3  | 55.3  |

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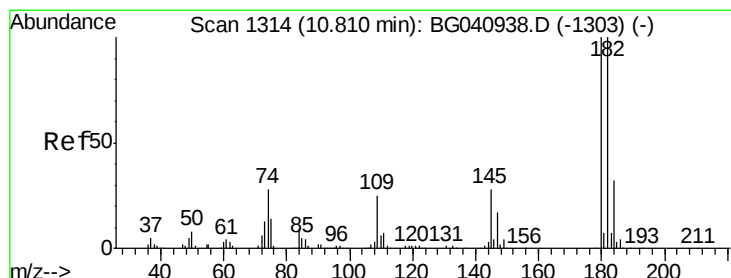
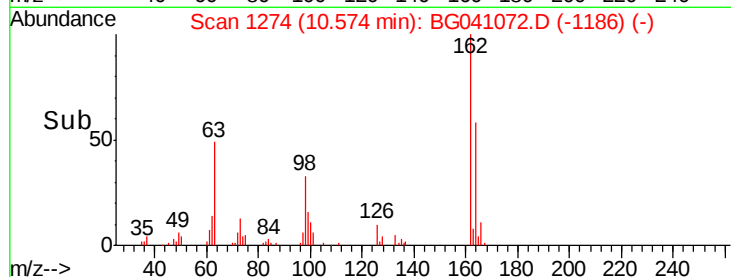
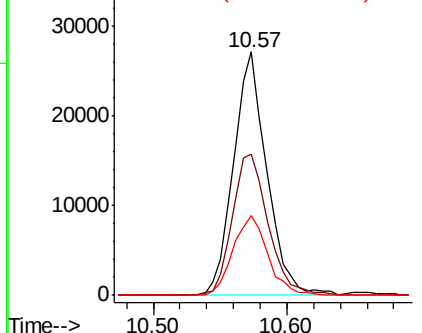


Abundance

Ion 162.00 (161.70 to 162.70): E

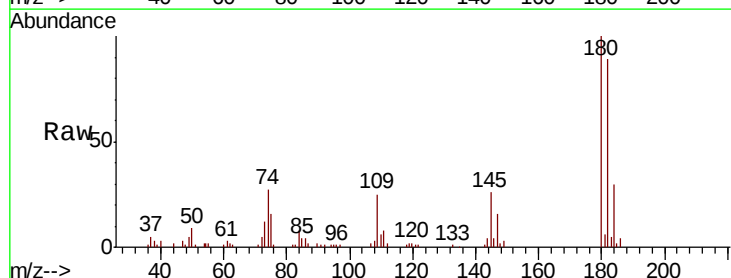
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30  
1,2,4-Trichlorobenzene  
Concen: 18.701 ng  
RT: 10.79 min Scan# 1311  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 89.1  | 79.7  | 119.5 |
| 145     | 25.9  | 22.6  | 34.0  |

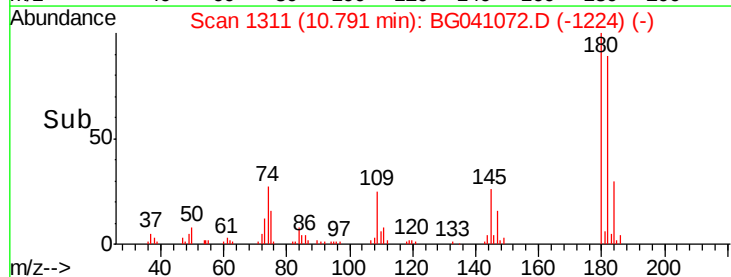
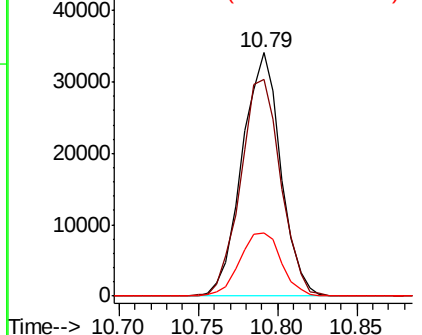


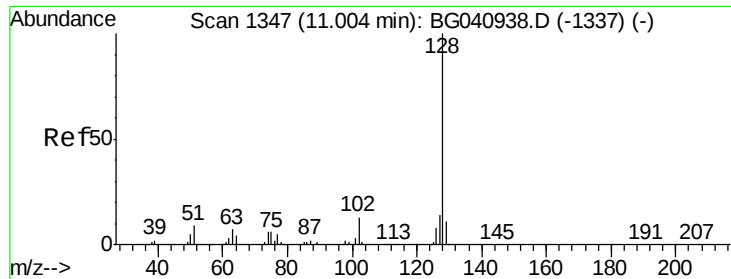
Abundance

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





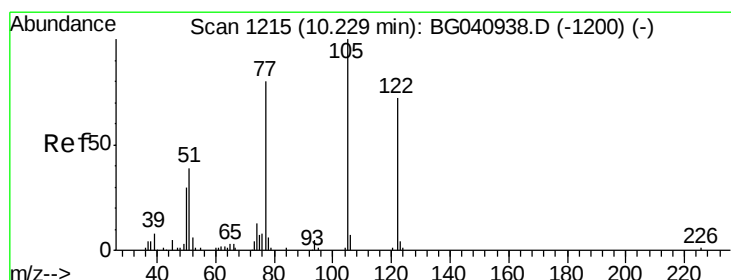
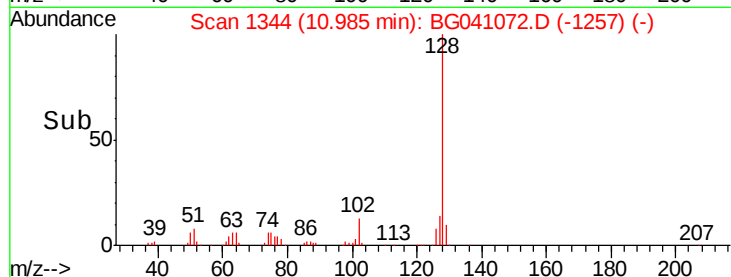
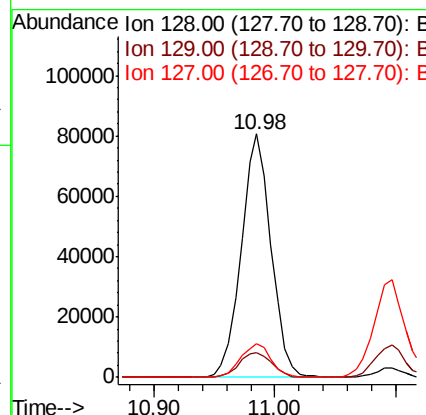
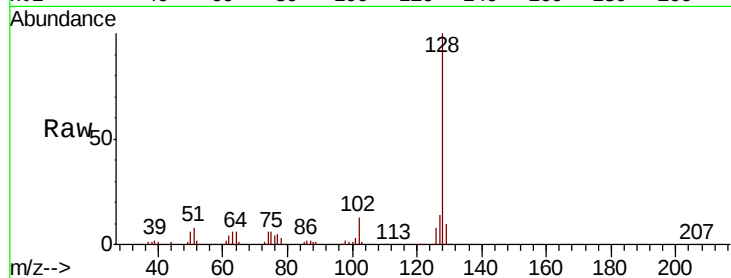
#31  
Naphthalene  
Concen: 18.834 ng  
RT: 10.98 min Scan# 1344  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.4  | 8.5   | 12.7  |
| 127     | 13.7  | 11.4  | 17.2  |

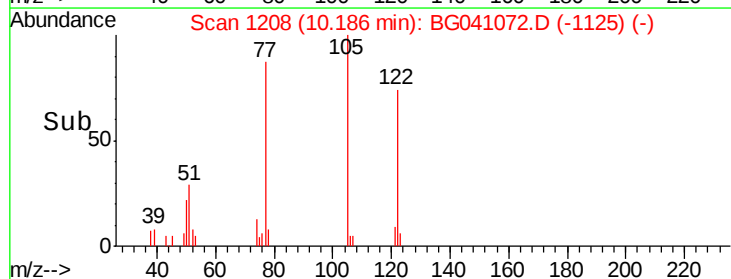
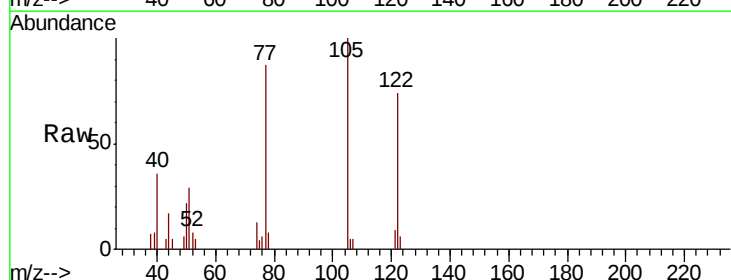
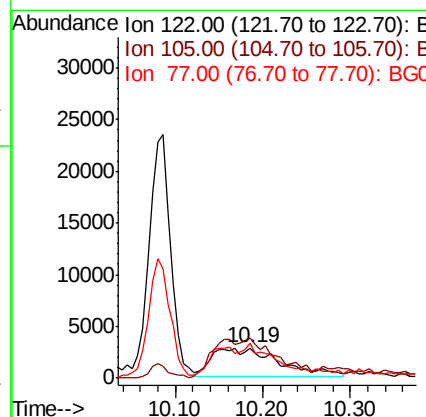
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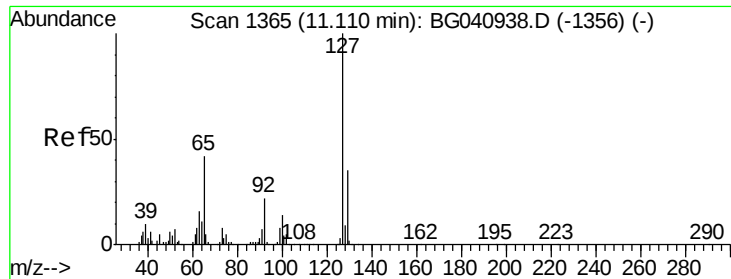
mohammad  
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#32  
Benzoic acid  
Concen: 15.606 ng m  
RT: 10.19 min Scan# 1208  
Delta R.T. -0.04 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 134.3 | 114.8 | 154.8 |
| 77      | 116.5 | 89.9  | 129.9 |





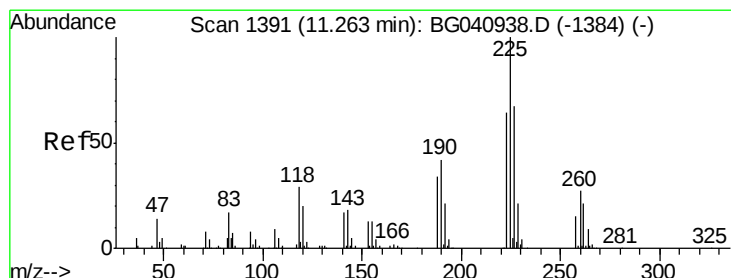
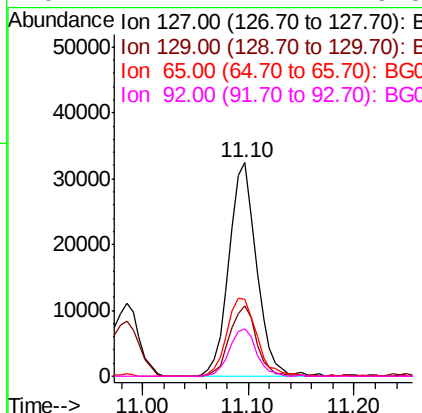
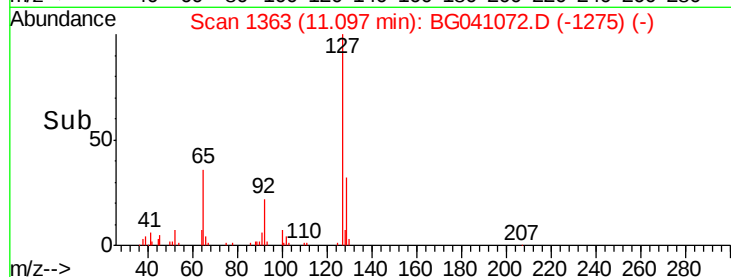
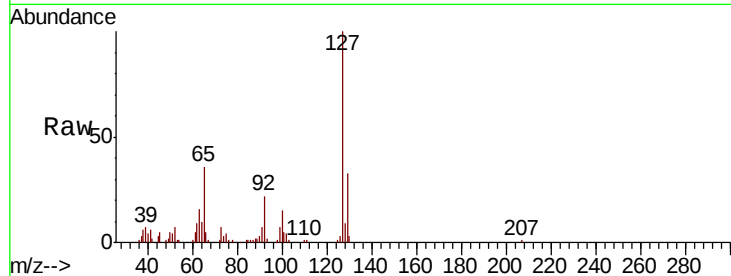
#33  
4-Chloroaniline  
Concen: 17.221 ng  
RT: 11.10 min Scan# 1363  
Delta R.T. -0.01 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 33.0  | 27.7  | 41.5  |
| 65      | 36.1  | 33.2  | 49.8  |
| 92      | 22.4  | 17.2  | 25.8  |

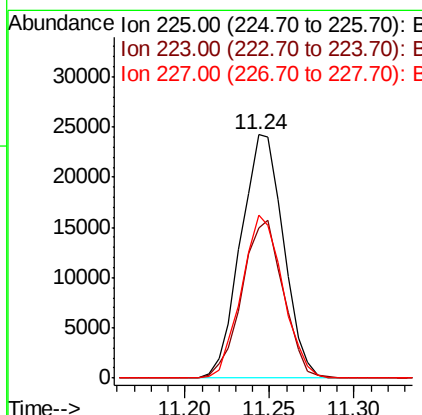
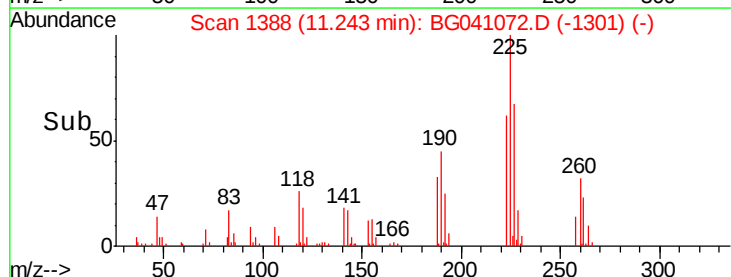
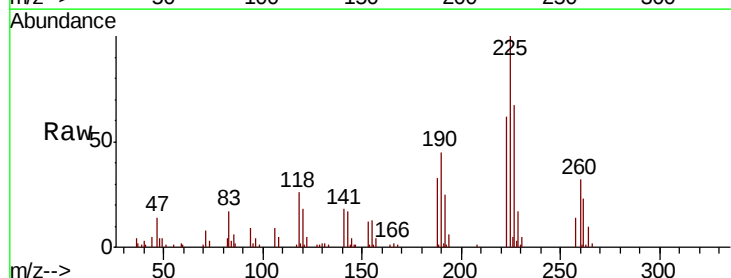
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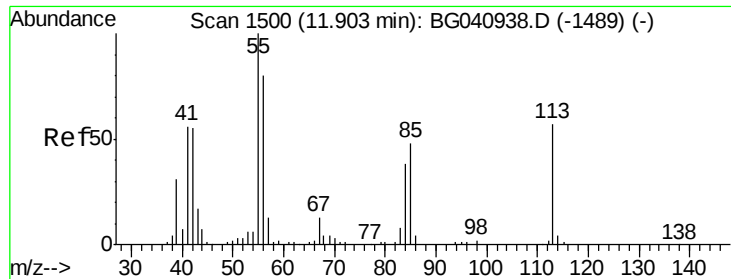
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#34  
Hexachlorobutadiene  
Concen: 18.051 ng  
RT: 11.24 min Scan# 1388  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.6  | 48.8  | 73.2  |
| 227     | 70.4  | 51.4  | 77.0  |





#35

Caprolactam

Concen: 17.031 ng

RT: 11.86 min Scan# 1493

Delta R.T. -0.04 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

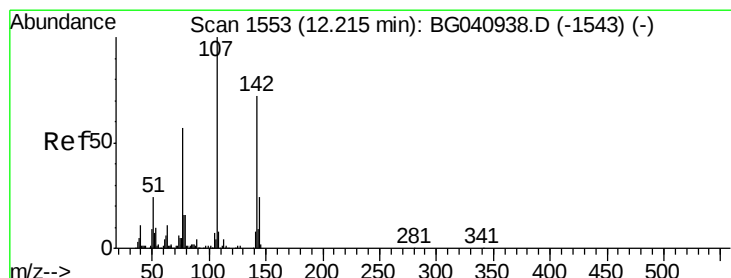
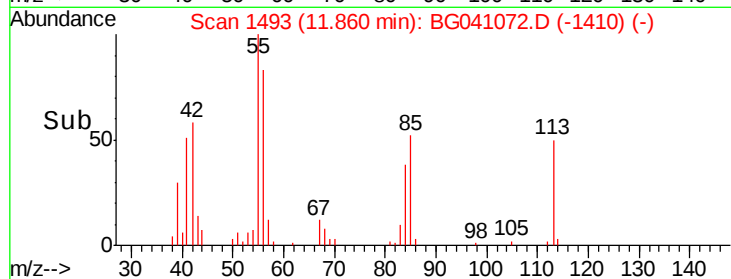
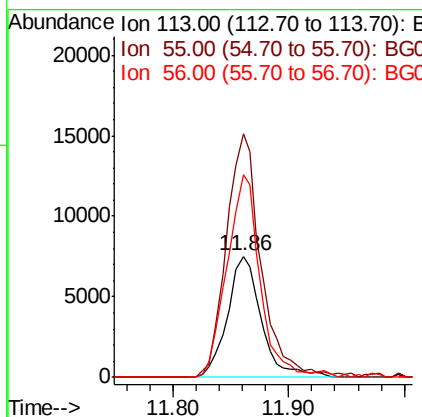
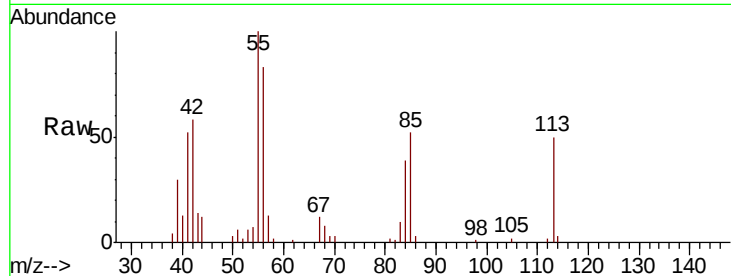
ClientSampleId :

LOQ-SOIL-02-QT2-2019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 15259  |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 201.7 | 155.9 | 195.9# |
| 56        | 168.3 | 119.9 | 159.9# |

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#36

4-Chloro-3-methylphenol

Concen: 17.801 ng

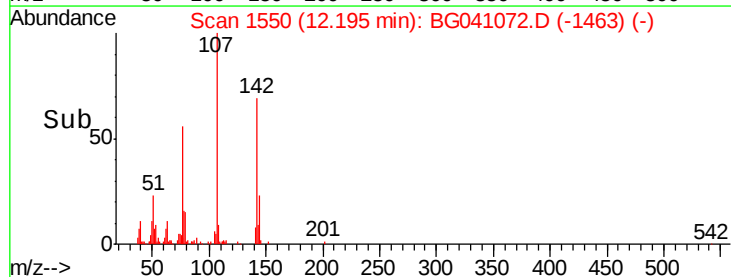
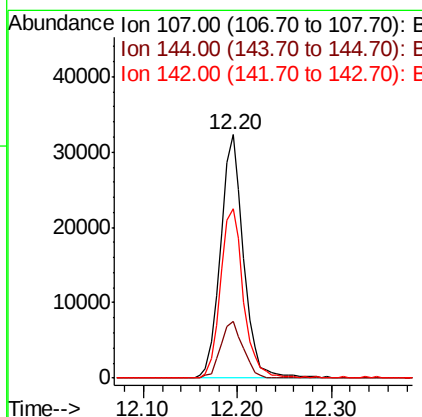
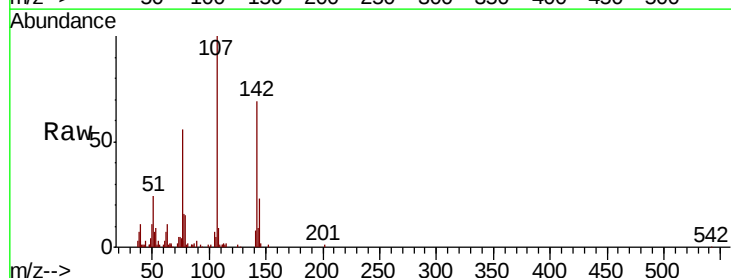
RT: 12.20 min Scan# 1550

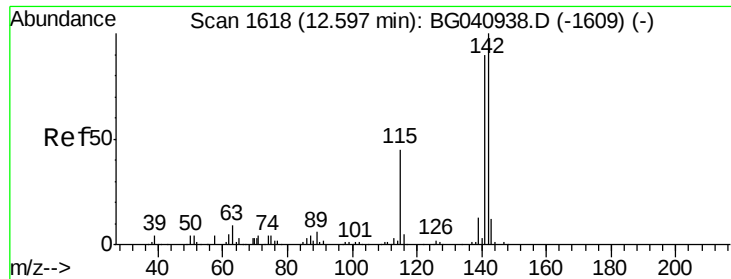
Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 55158 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 144       | 23.1  | 19.4  | 29.0  |
| 142       | 69.4  | 57.3  | 85.9  |





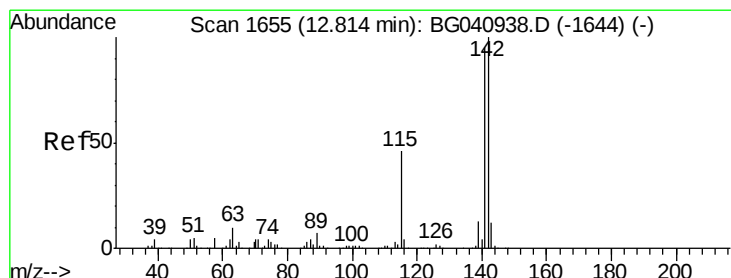
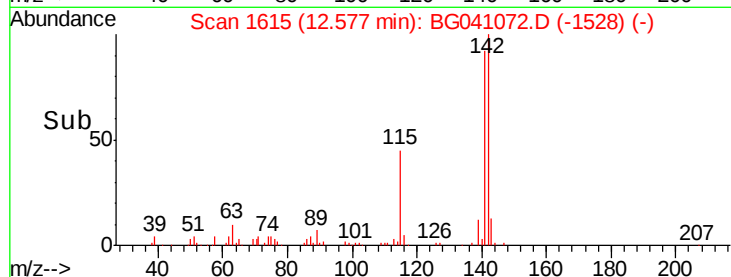
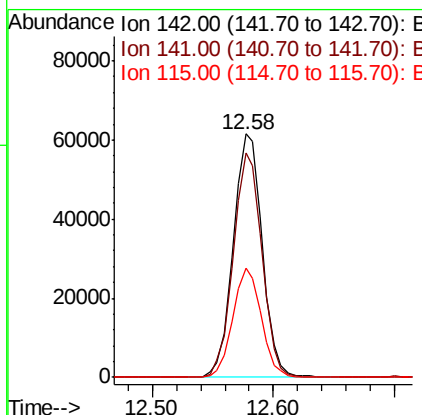
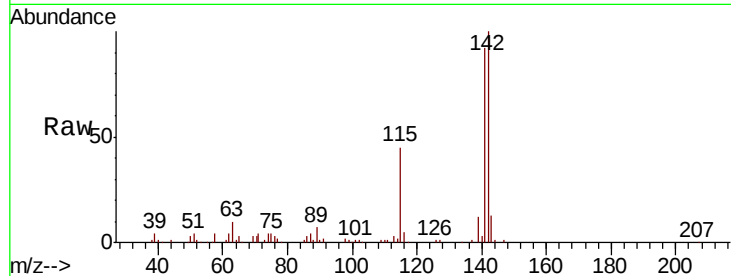
#37  
2-Methylnaphthalene  
Concen: 18.167 ng  
RT: 12.58 min Scan# 1615  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.9  | 72.2  | 108.4 |
| 115     | 44.8  | 36.2  | 54.4  |

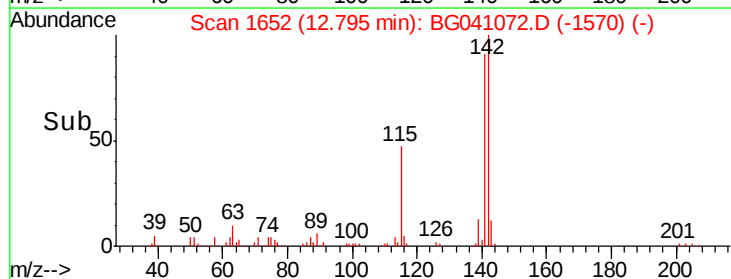
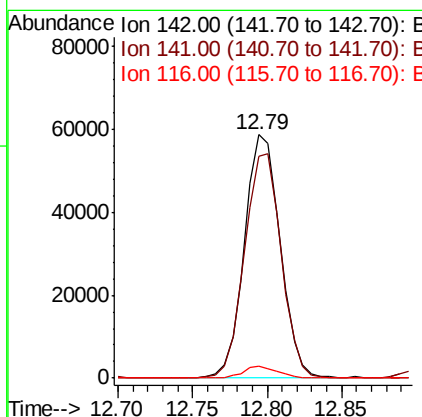
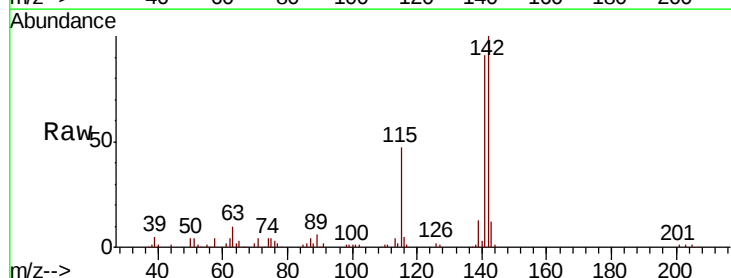
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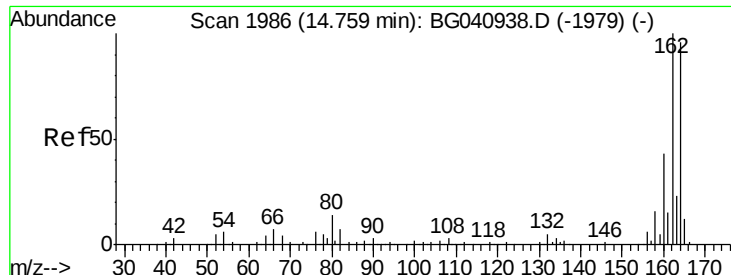
mohammad  
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#38  
1-Methylnaphthalene  
Concen: 18.230 ng  
RT: 12.79 min Scan# 1652  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.9  | 75.7  | 113.5 |
| 116     | 4.9   | 3.4   | 5.2   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

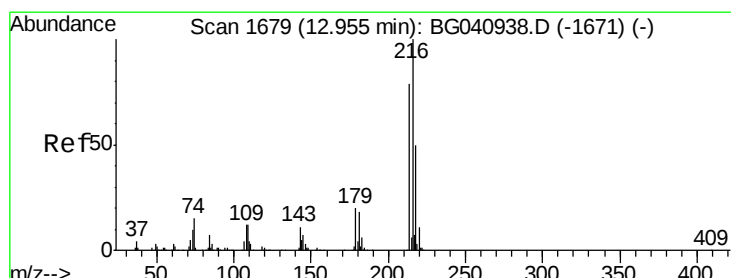
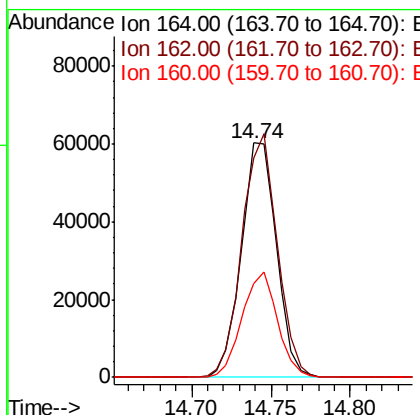
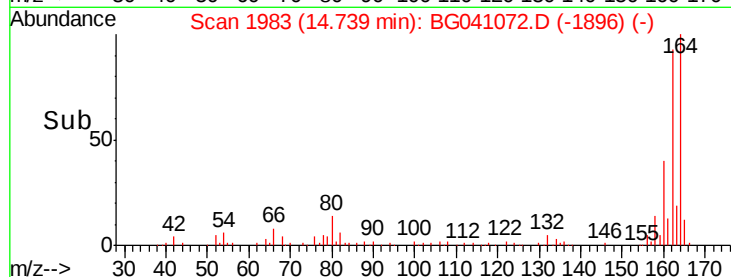
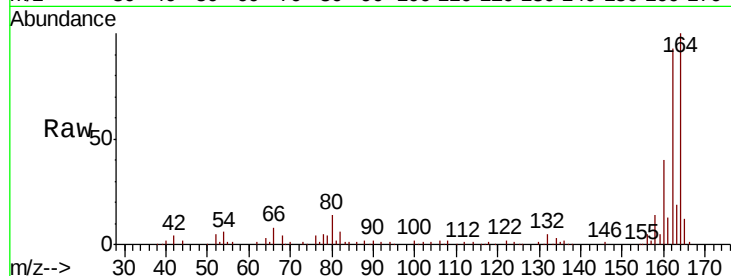
ClientSampleId :

LOQ-SOIL-02-QT2-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 164   | Resp: | 93042 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 93.3  | 83.0  | 124.4 |
| 160       | 40.3  | 35.6  | 53.4  |

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.849 ng

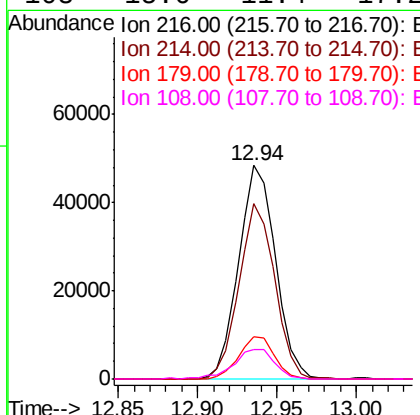
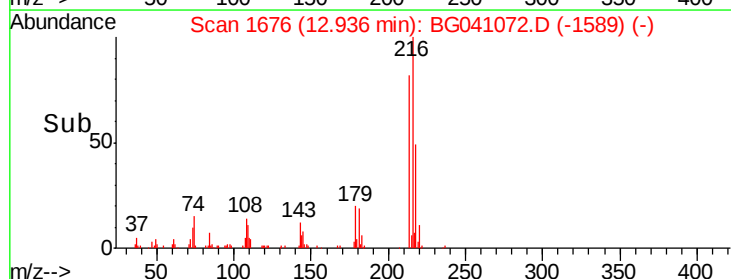
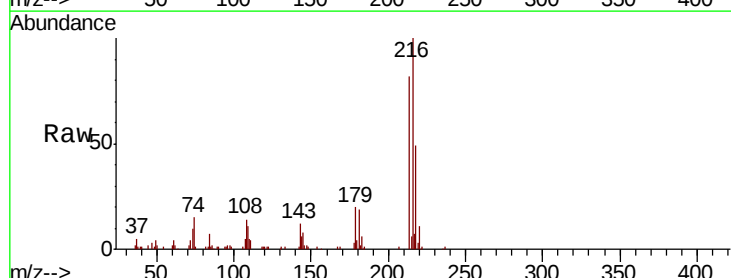
RT: 12.94 min Scan# 1676

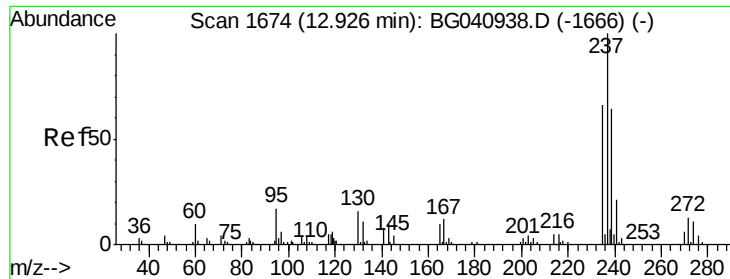
Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 78185 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 79.3  | 63.4  | 95.2  |
| 179       | 19.1  | 15.2  | 22.8  |
| 108       | 15.6  | 11.4  | 17.2  |





#41

Hexachlorocyclopentadiene

Concen: 24.090 ng

RT: 12.91 min Scan# 1671

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

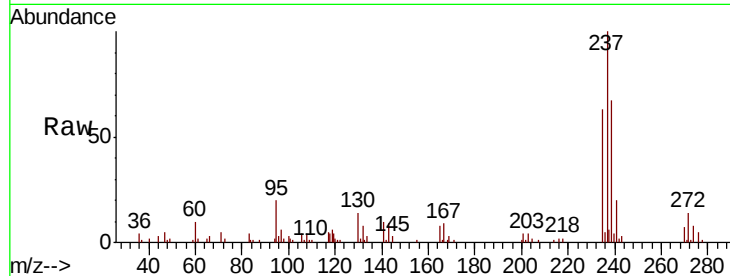
ClientSampleId :

LOQ-SOIL-02-QT2-2019

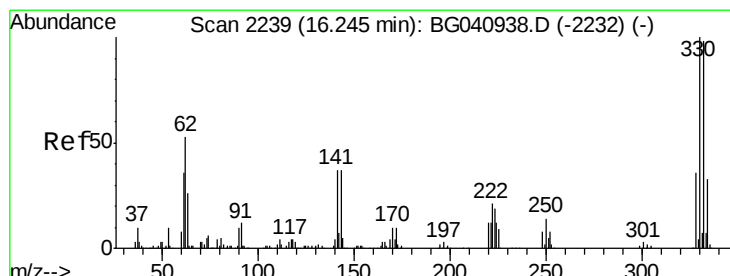
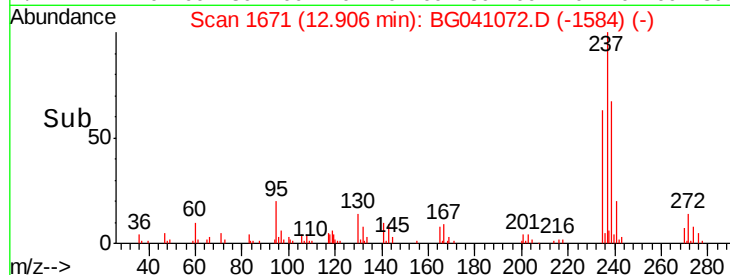
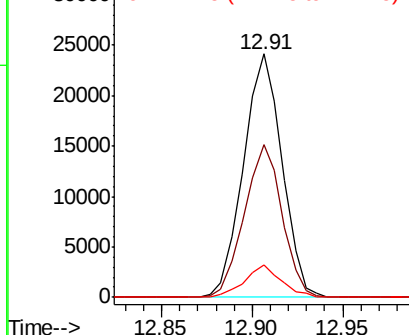
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 237   | Resp: | 35629 |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 62.8  | 45.5  | 85.5  |
| 272       | 13.6  | 0.0   | 32.9  |

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Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 88.058 ng

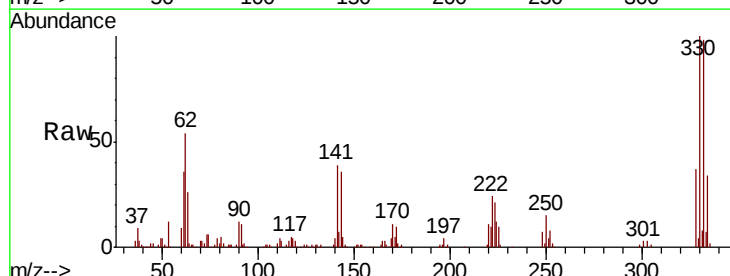
RT: 16.23 min Scan# 2236

Delta R.T. -0.02 min

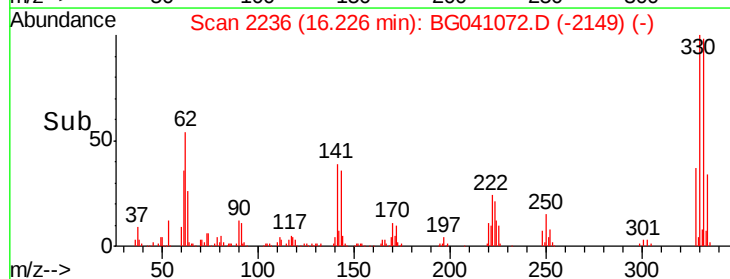
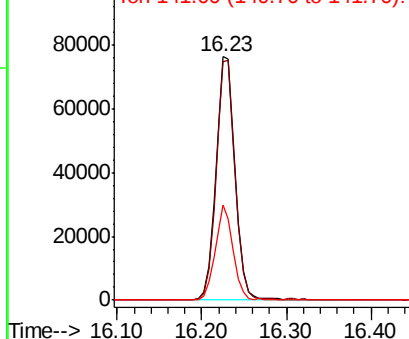
Lab File: BG041072.D

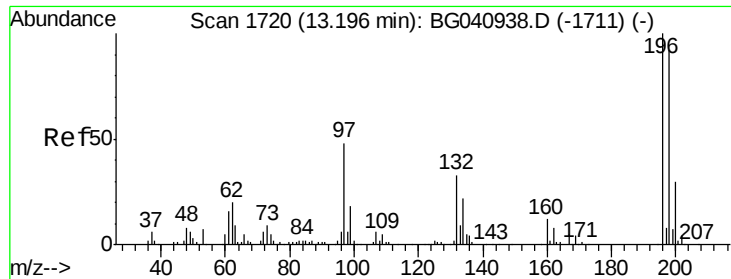
Acq: 5 Jun 2019 15:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 121632 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.8  | 78.5  | 117.7  |
| 141       | 36.2  | 28.7  | 43.1   |



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





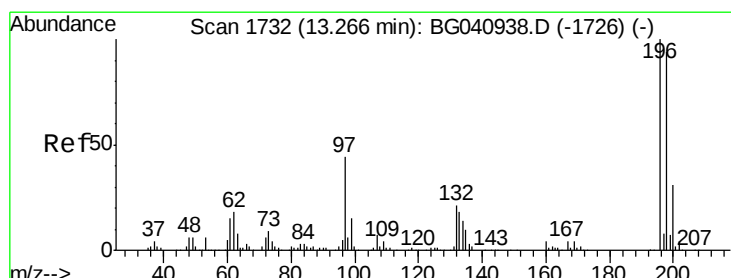
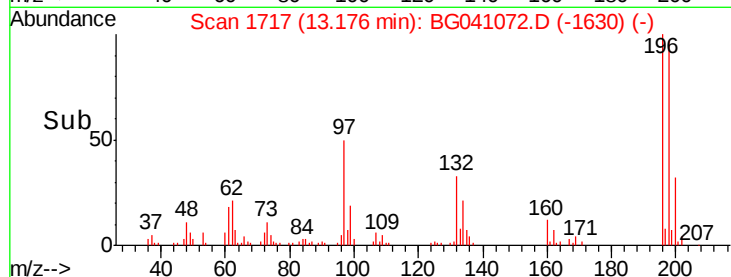
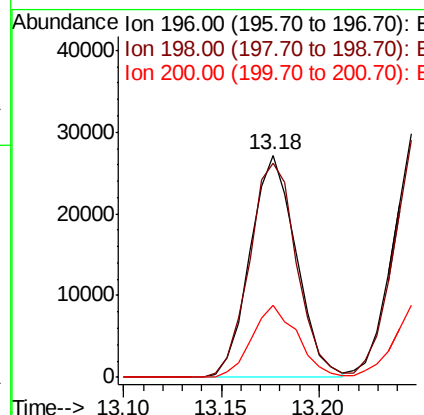
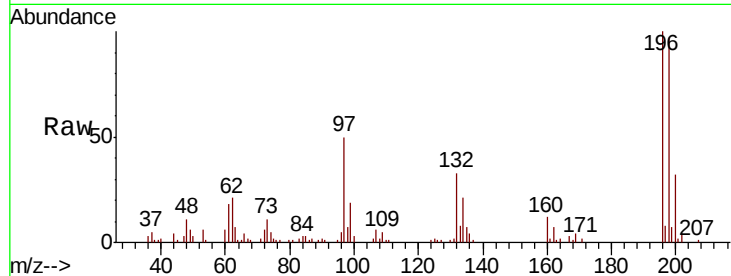
#43  
 2,4,6-Trichlorophenol  
 Concen: 18.268 ng  
 RT: 13.18 min Scan# 1717  
 Delta R.T. -0.02 min  
 Lab File: BG041072.D  
 Acq: 5 Jun 2019 15:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.6  | 73.8  | 110.6 |
| 200     | 32.4  | 24.1  | 36.1  |

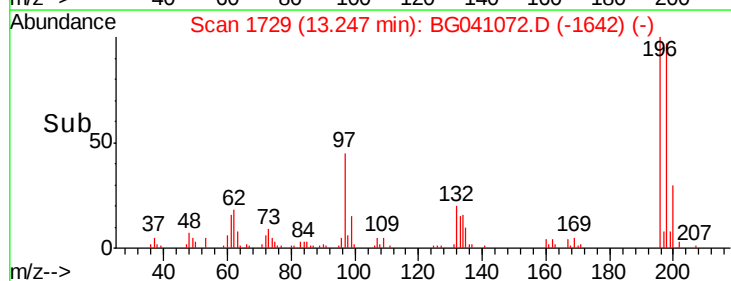
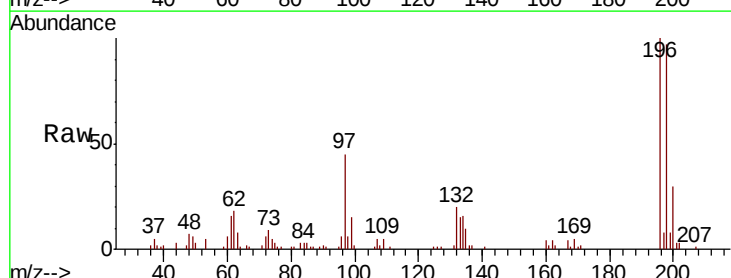
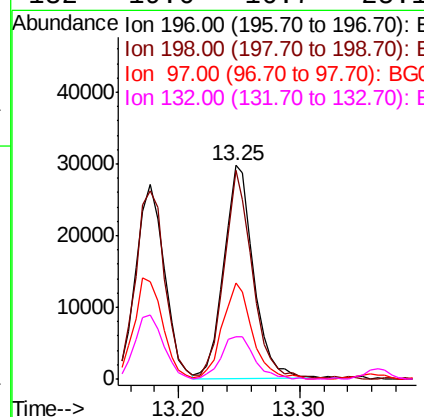
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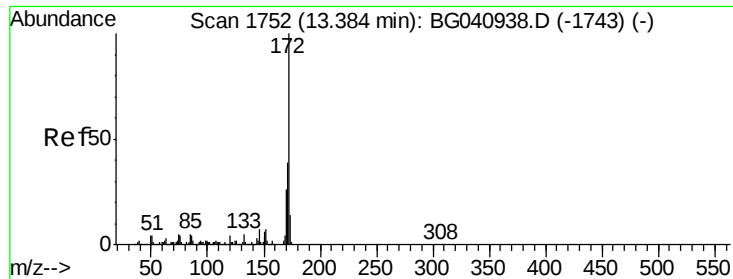
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#44  
 2,4,5-Trichlorophenol  
 Concen: 19.703 ng  
 RT: 13.25 min Scan# 1729  
 Delta R.T. -0.02 min  
 Lab File: BG041072.D  
 Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 97.4  | 75.1  | 112.7 |
| 97      | 44.9  | 35.6  | 53.4  |
| 132     | 19.6  | 16.7  | 25.1  |





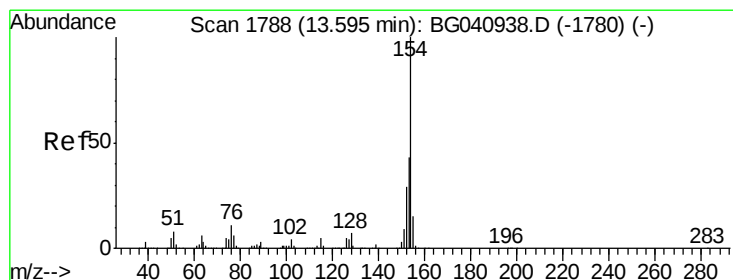
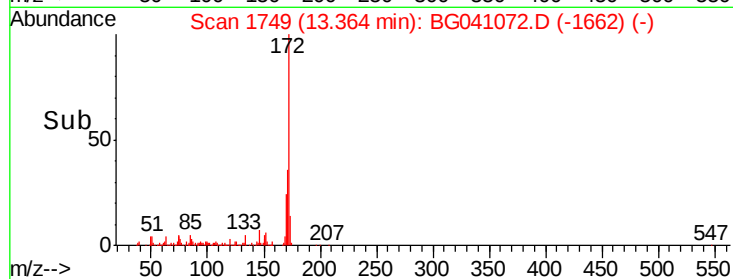
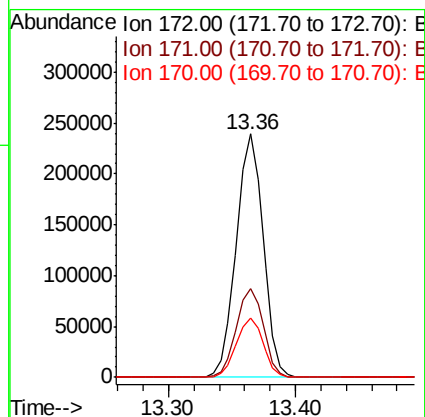
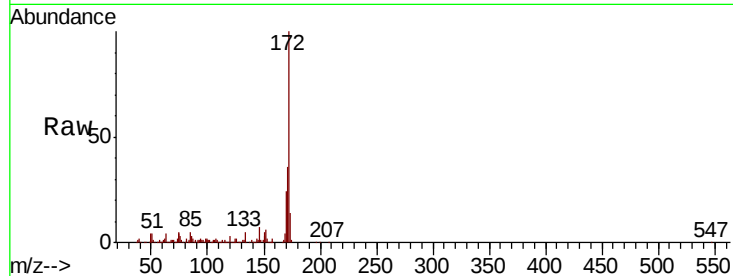
#45  
2-Fluorobiphenyl  
Concen: 54.277 ng  
RT: 13.36 min Scan# 1749  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 31.1  | 46.7  |
| 170     | 24.3  | 20.5  | 30.7  |

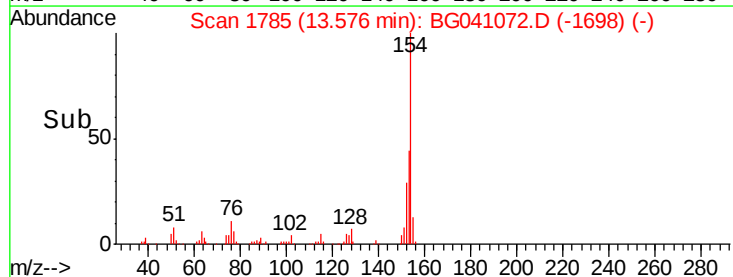
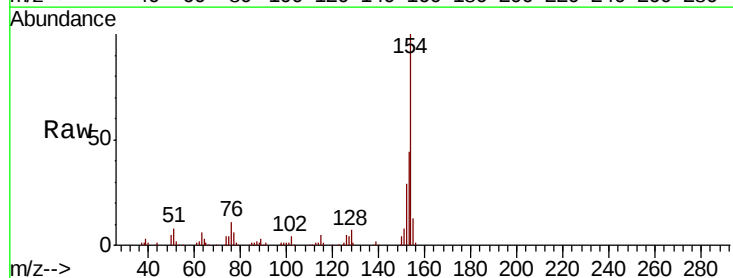
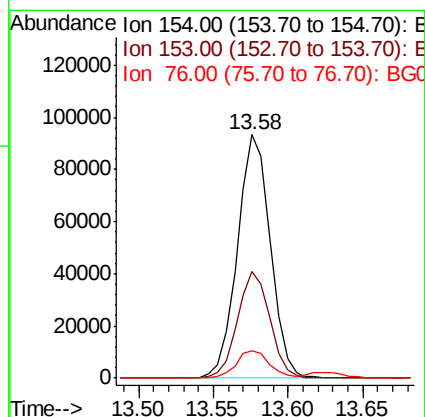
Manual Integrations  
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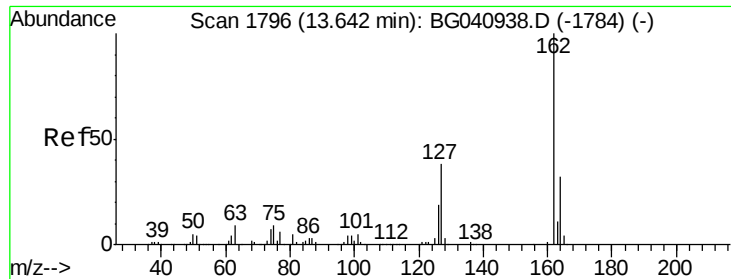
mohammad  
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#46  
1,1'-Biphenyl  
Concen: 20.706 ng  
RT: 13.58 min Scan# 1785  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.8  | 23.3  | 63.3  |
| 76      | 11.3  | 0.0   | 31.1  |





#47

2-Chloronaphthalene

Concen: 18.870 ng

RT: 13.62 min Scan# 1793

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

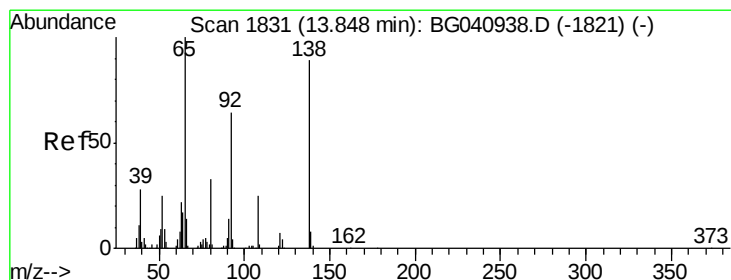
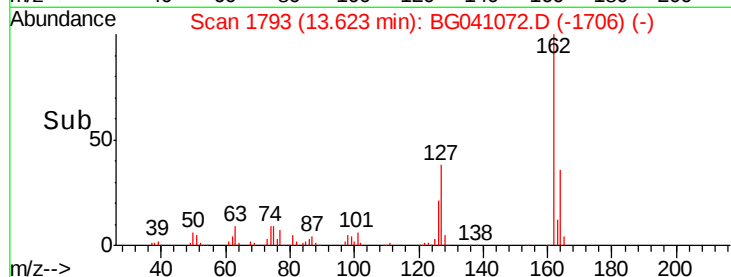
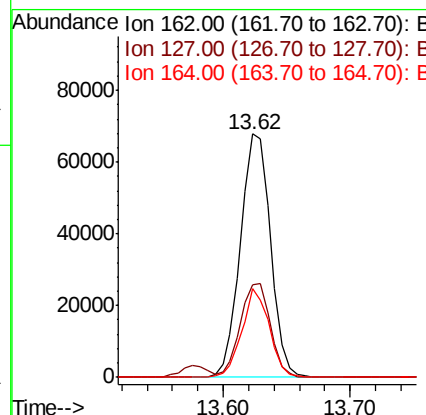
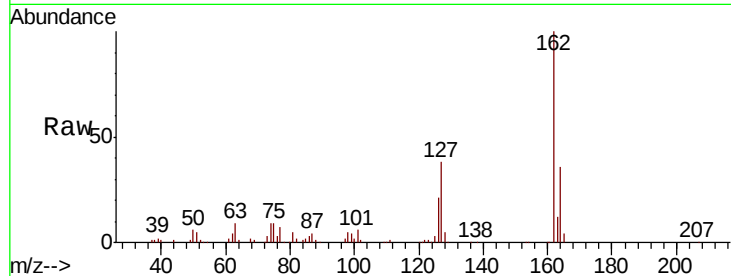
ClientSampleId :

LOQ-SOIL-02-QT2-2019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 111568 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 37.9  | 30.5  | 45.7   |
| 164       | 36.2  | 25.8  | 38.6   |

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#48

2-Nitroaniline

Concen: 18.237 ng

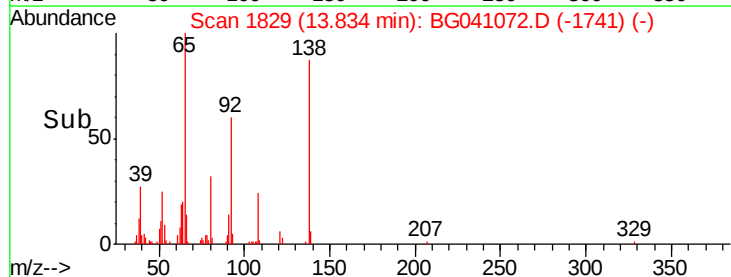
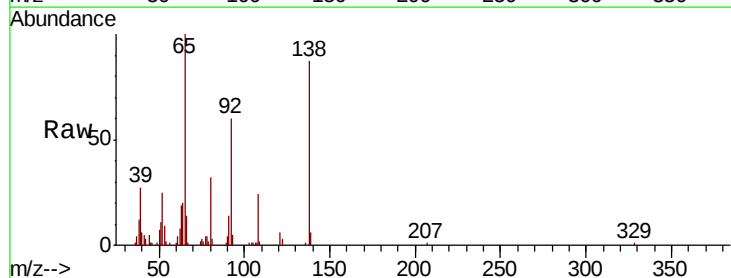
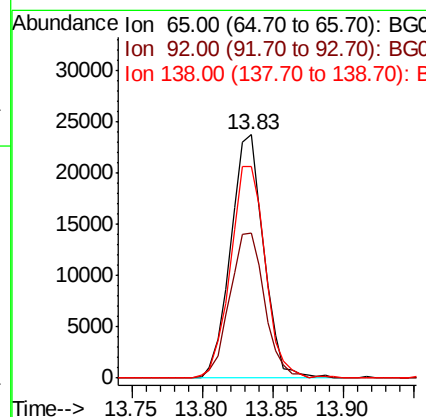
RT: 13.83 min Scan# 1829

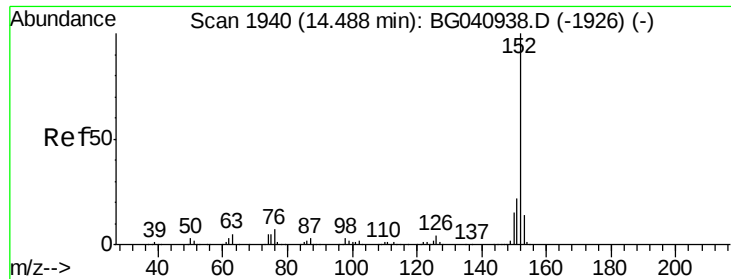
Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 65    | Resp: | 38682 |
| Ion Ratio | Lower | Upper |       |
| 65        | 100   |       |       |
| 92        | 59.8  | 51.0  | 76.6  |
| 138       | 86.8  | 71.2  | 106.8 |





#49

Acenaphthylene

Concen: 19.800 ng

RT: 14.47 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

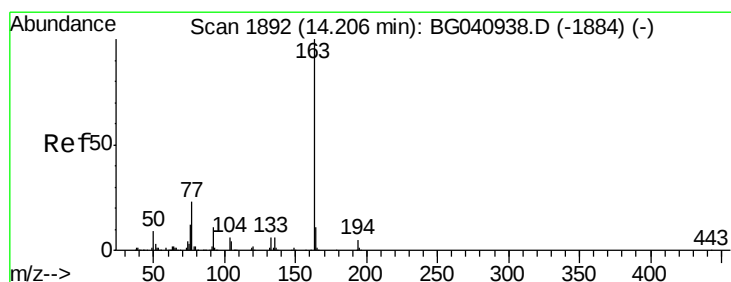
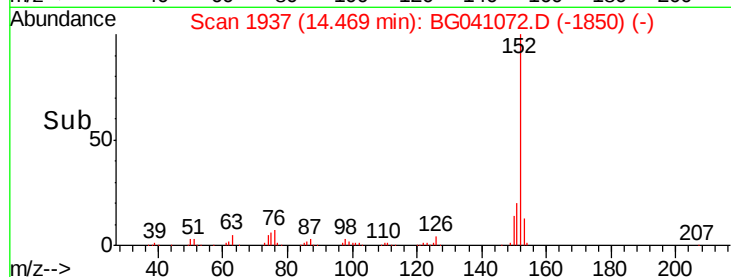
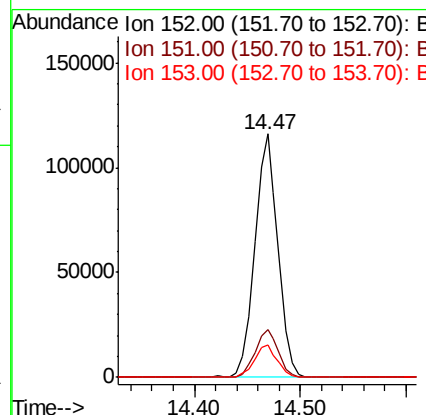
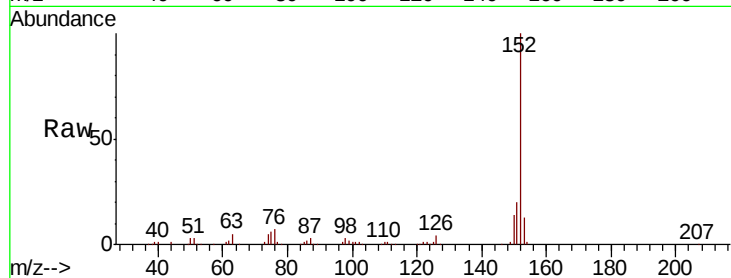
ClientSampleId :

LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.7  | 17.4  | 26.0  |
| 153     | 13.2  | 11.0  | 16.4  |

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#50

Dimethylphthalate

Concen: 18.478 ng

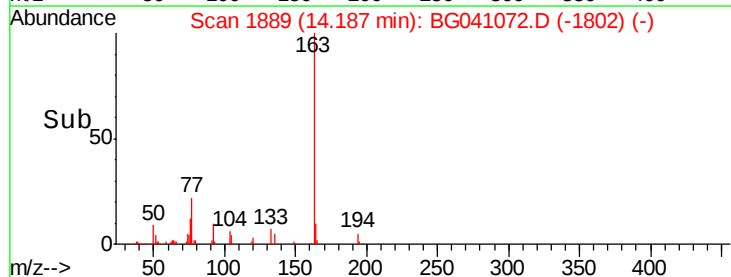
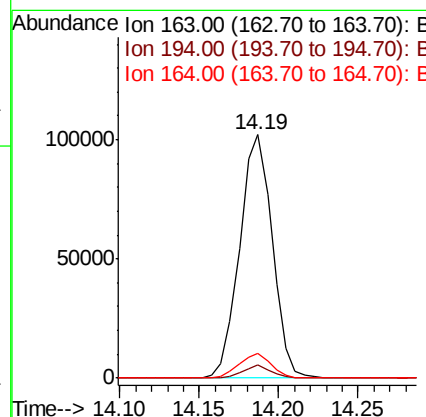
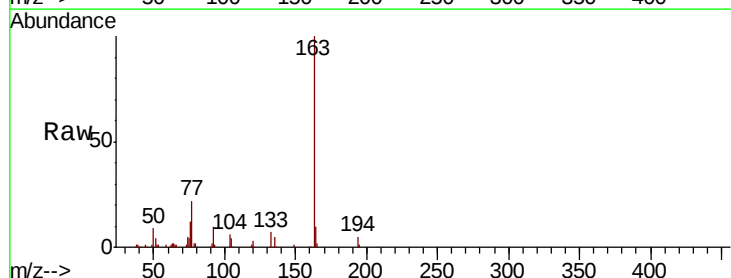
RT: 14.19 min Scan# 1889

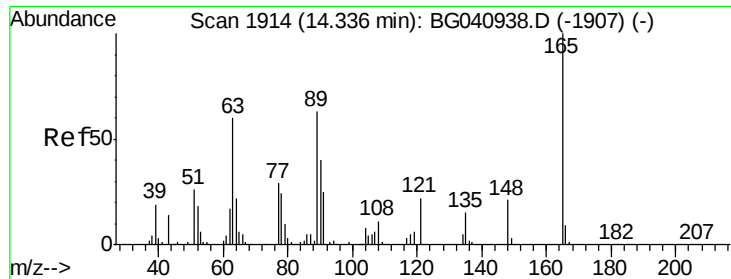
Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.4   | 3.8   | 5.8   |
| 164     | 10.3  | 8.7   | 13.1  |





#51

2,6-Dinitrotoluene

Concen: 19.029 ng

RT: 14.32 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

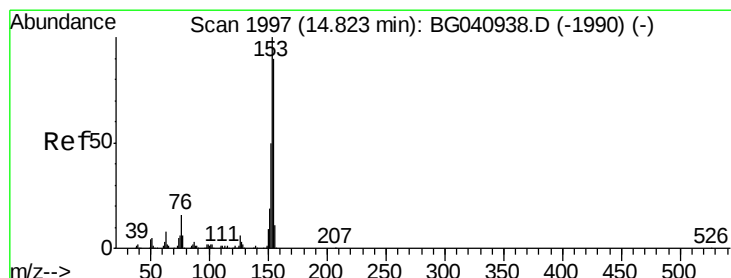
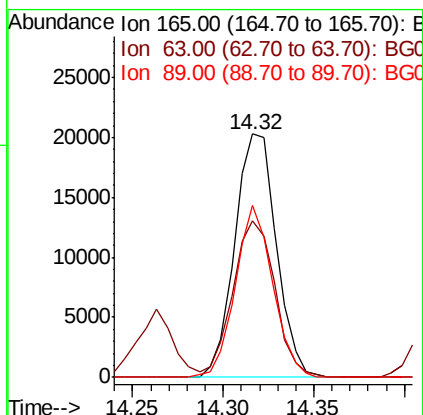
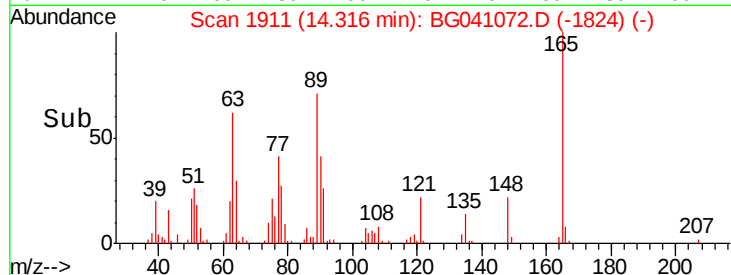
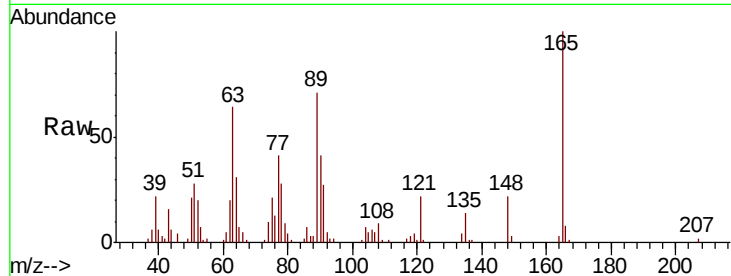
ClientSampleId :

LOQ-SOIL-02-QT2-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 165   | Resp: | 32314 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 64.1  | 53.6  | 80.4  |
| 89        | 70.8  | 50.4  | 75.6  |

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#52

Acenaphthene

Concen: 18.788 ng

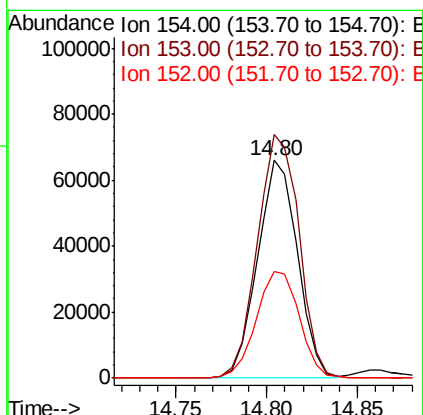
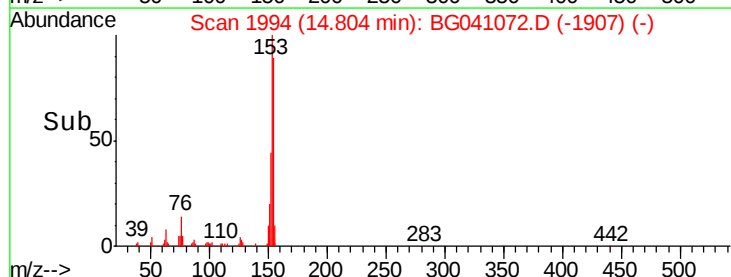
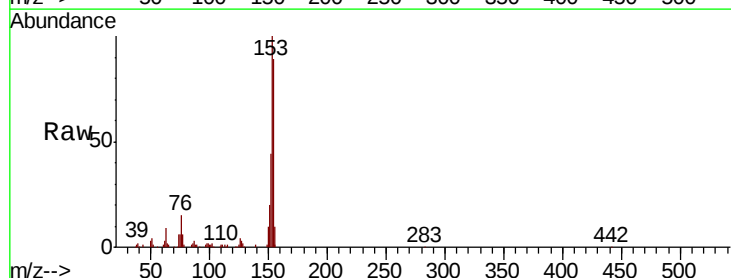
RT: 14.80 min Scan# 1994

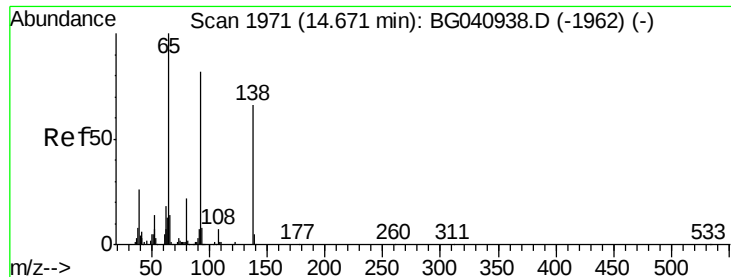
Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 101280 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.8 | 88.6  | 133.0  |
| 152       | 49.2  | 44.2  | 66.4   |





#53

3-Nitroaniline

Concen: 18.044 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

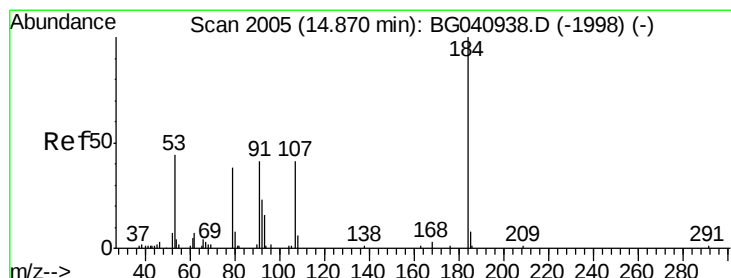
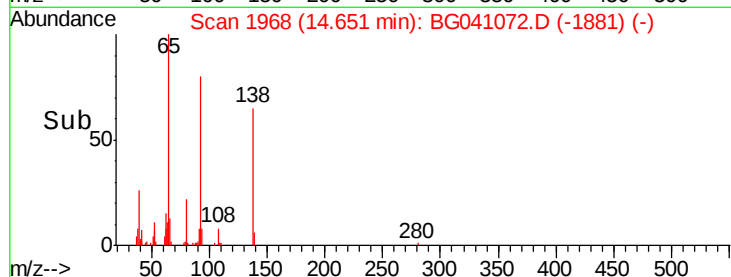
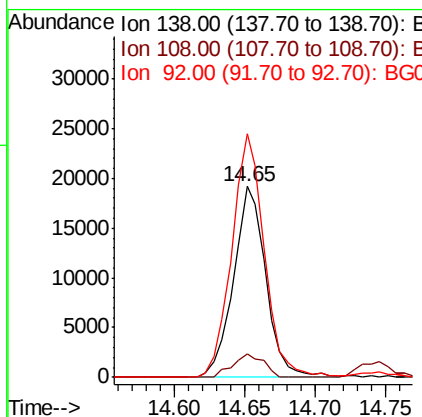
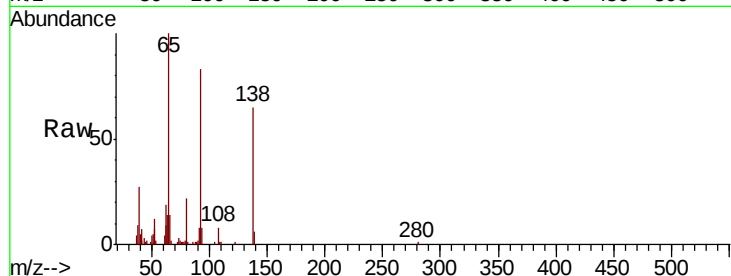
ClientSampleId :

LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 12.0  | 8.5   | 12.7  |
| 92      | 127.8 | 99.0  | 148.6 |

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#54

2,4-Dinitrophenol

Concen: 17.854 ng

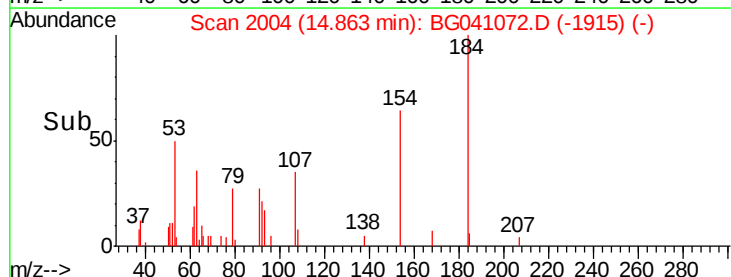
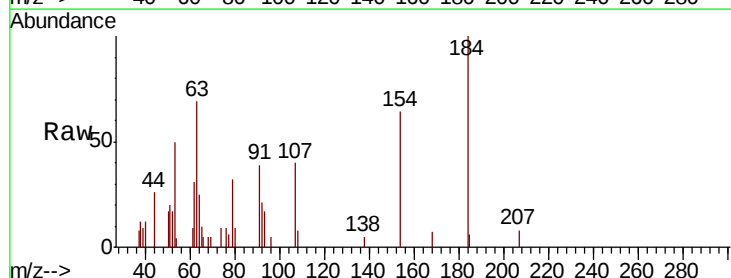
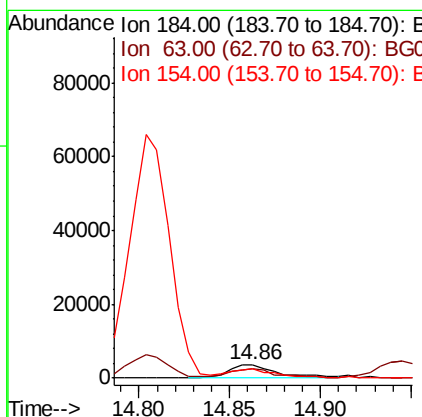
RT: 14.86 min Scan# 2004

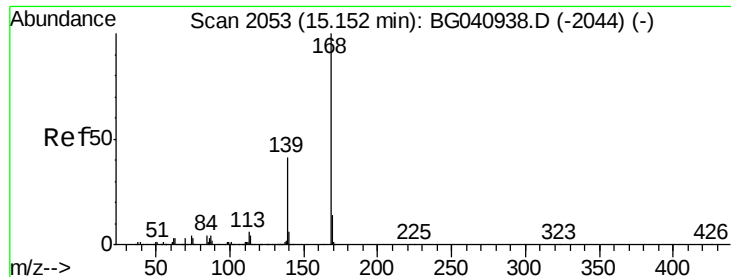
Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 68.6  | 49.8  | 74.6  |
| 154     | 64.2  | 52.2  | 78.4  |





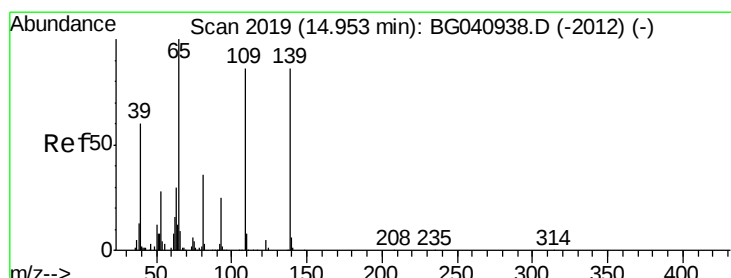
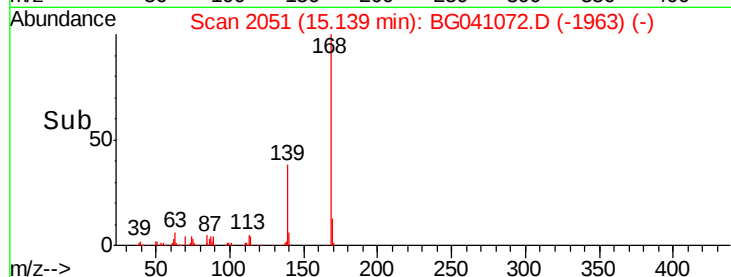
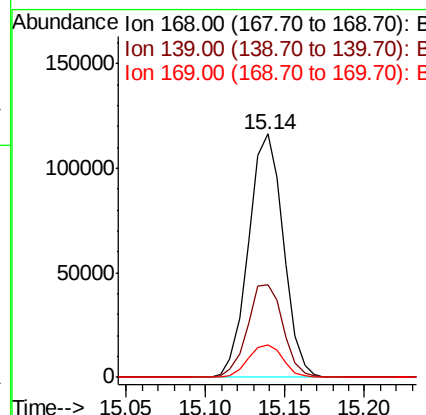
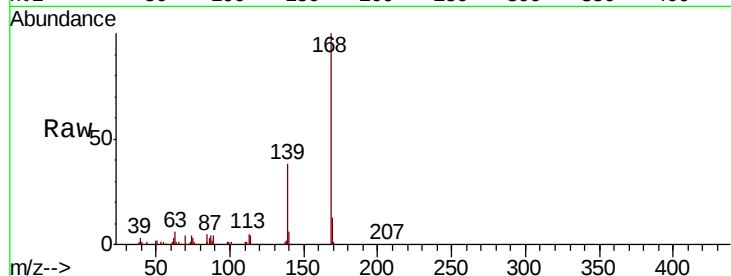
#55  
Dibenzenofuran  
Concen: 19.618 ng  
RT: 15.14 min Scan# 2051  
Delta R.T. -0.01 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.2  | 32.8  | 49.2  |
| 169     | 13.3  | 11.3  | 16.9  |

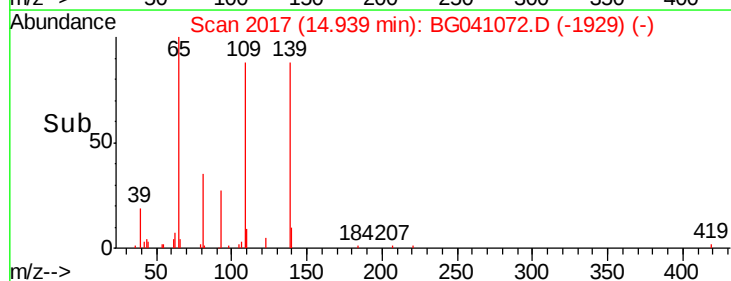
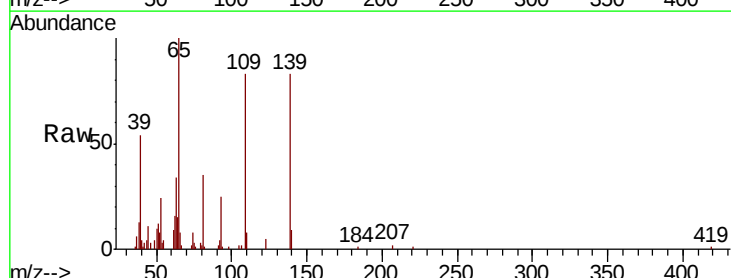
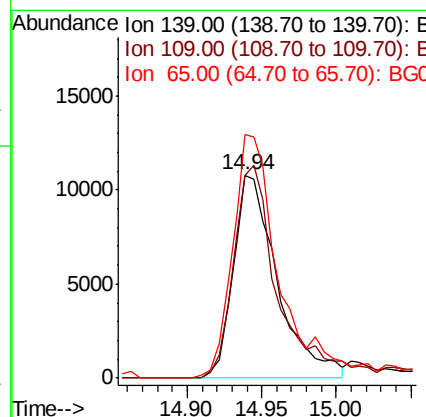
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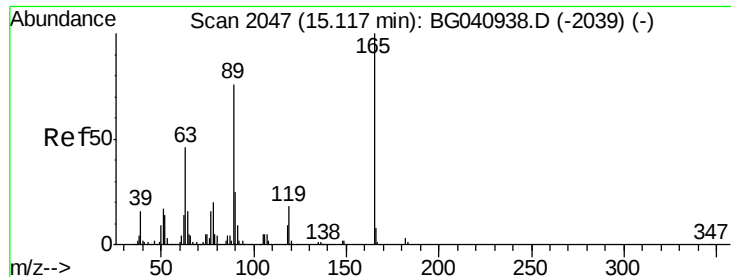
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#56  
4-Nitrophenol  
Concen: 19.126 ng  
RT: 14.94 min Scan# 2017  
Delta R.T. -0.01 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 99.6  | 79.6  | 119.6 |
| 65      | 119.9 | 96.9  | 136.9 |





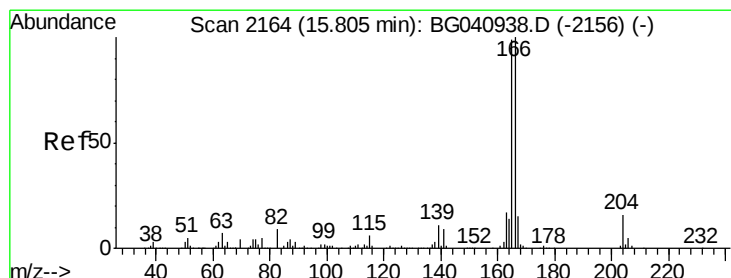
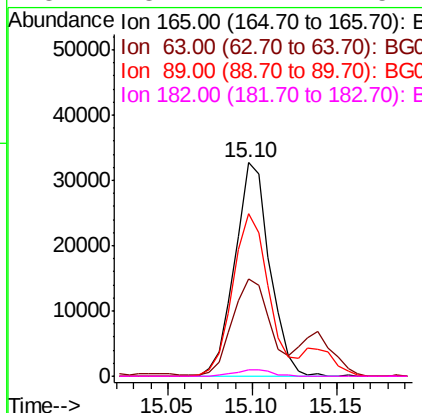
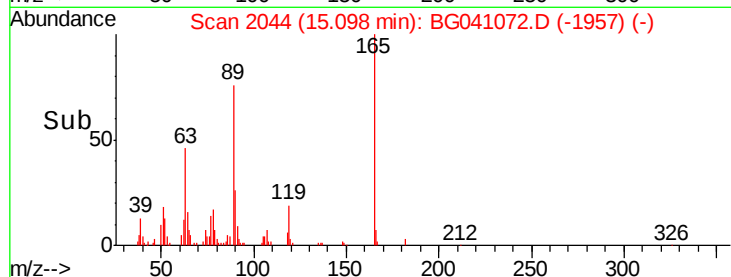
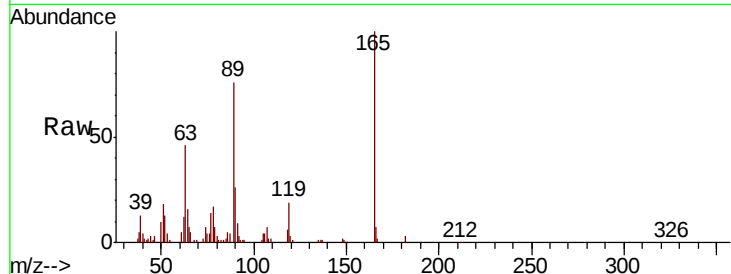
#57  
2,4-Dinitrotoluene  
Concen: 19.671 ng  
RT: 15.10 min Scan# 2044  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 45.9  | 37.3  | 55.9  |
| 89      | 75.8  | 61.0  | 91.6  |
| 182     | 3.2   | 2.2   | 3.2   |

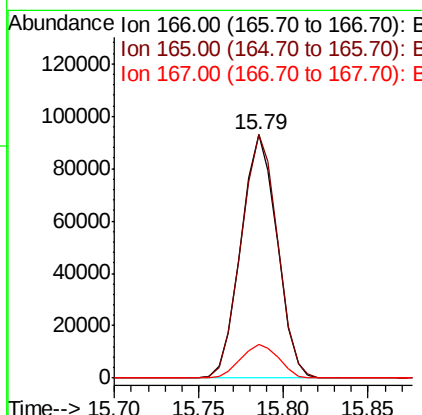
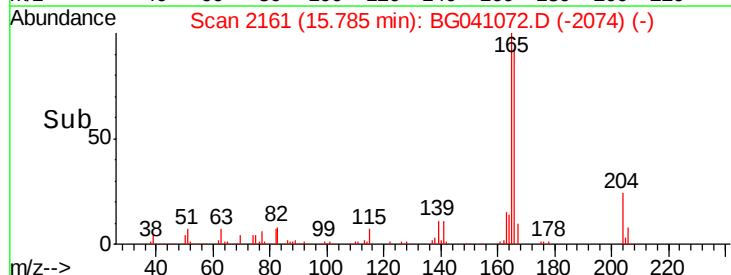
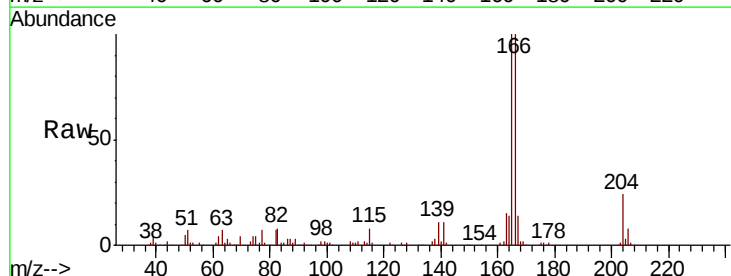
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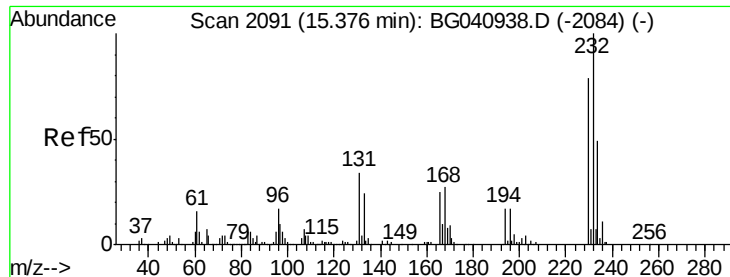
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#58  
Fluorene  
Concen: 19.157 ng  
RT: 15.79 min Scan# 2161  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.9  | 79.2  | 118.8 |
| 167     | 13.7  | 11.8  | 17.6  |





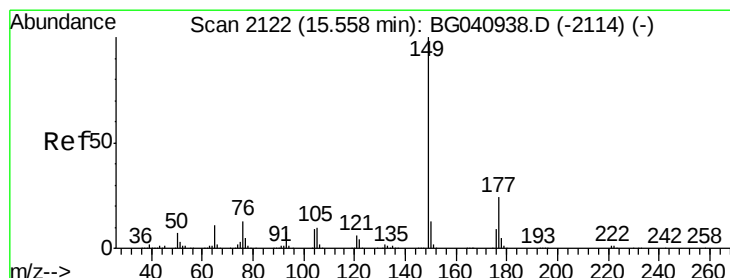
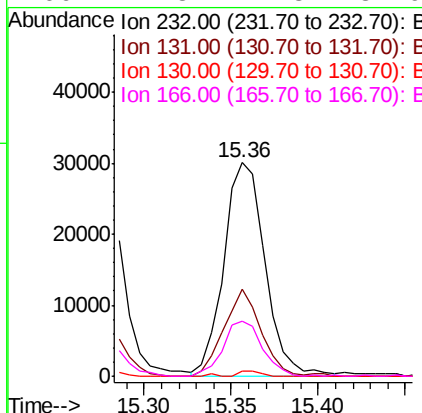
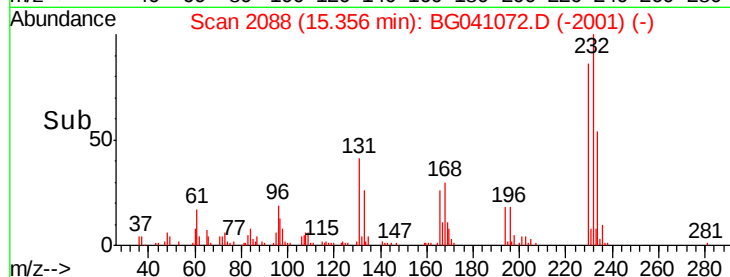
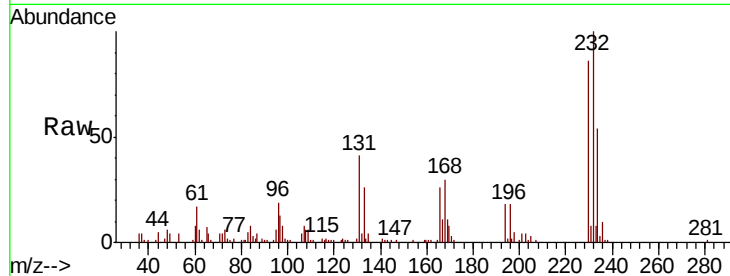
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 19.725 ng/ml  
 RT: 15.36 min Scan# 2088  
 Delta R.T. -0.02 min  
 Lab File: BG041072.D  
 Acq: 5 Jun 2019 15:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 232   | Resp: | 49596 |
| Ion Ratio | Lower | Upper |       |
| 232       | 100   |       |       |
| 131       | 31.3  | 30.3  | 45.5  |
| 130       | 2.1   | 1.8   | 2.8   |
| 166       | 21.8  | 21.3  | 31.9  |

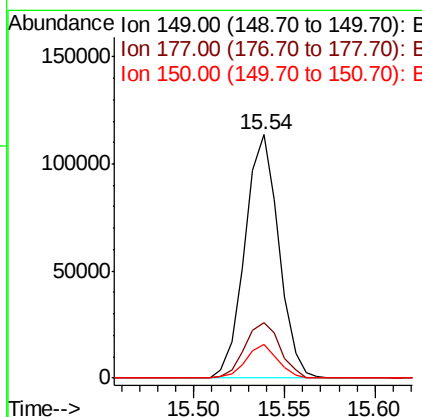
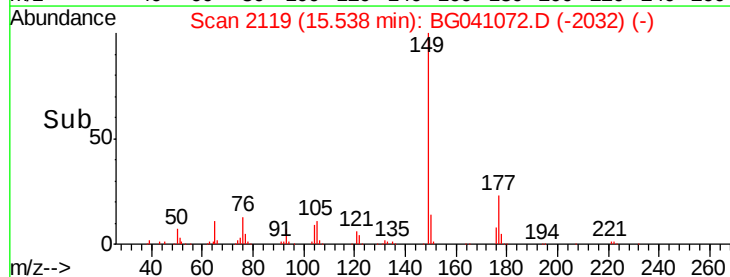
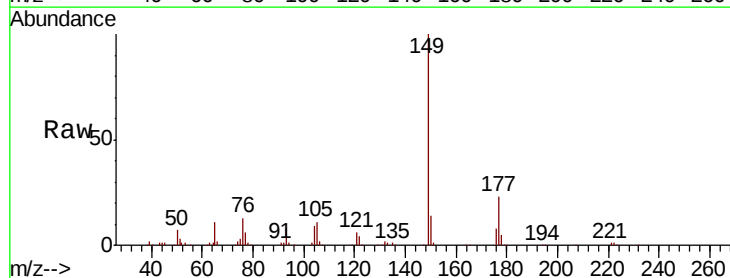
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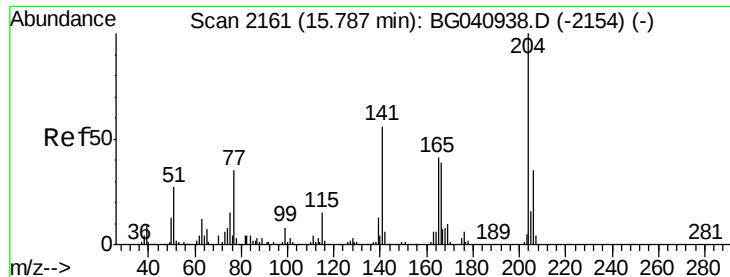
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#60  
 Diethylphthalate  
 Concen: 18.386 ng/ml  
 RT: 15.54 min Scan# 2119  
 Delta R.T. -0.02 min  
 Lab File: BG041072.D  
 Acq: 5 Jun 2019 15:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 147785 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 22.6  | 19.4  | 29.0   |
| 150       | 13.7  | 10.3  | 15.5   |





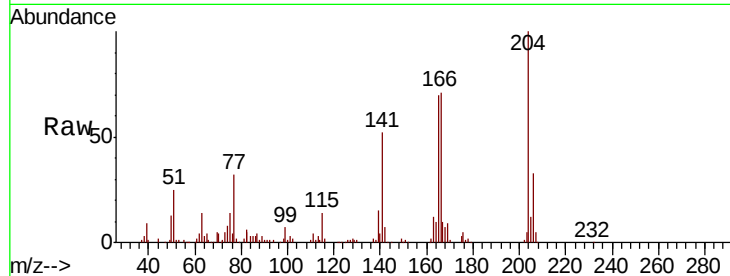
#61  
4-Chlorophenyl-phenylether  
Concen: 18.384 ng  
RT: 15.77 min Scan# 2159  
Delta R.T. -0.01 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.0  | 27.6  | 41.4  |
| 141     | 51.7  | 45.1  | 67.7  |

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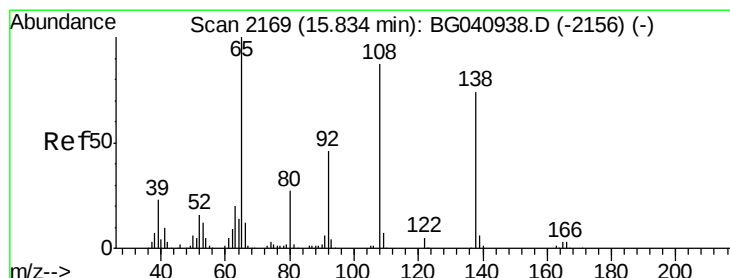
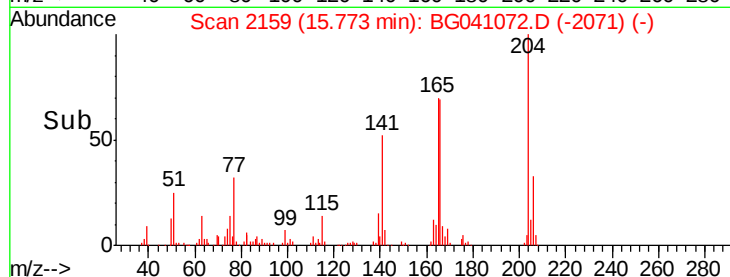
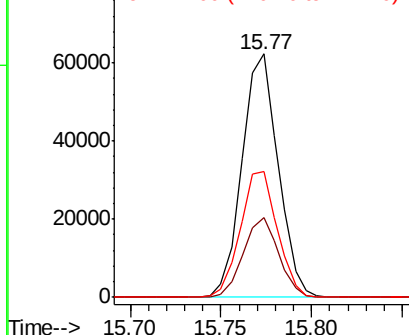


Abundance

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



#62  
4-Nitroaniline  
Concen: 19.244 ng  
RT: 15.81 min Scan# 2165  
Delta R.T. -0.03 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

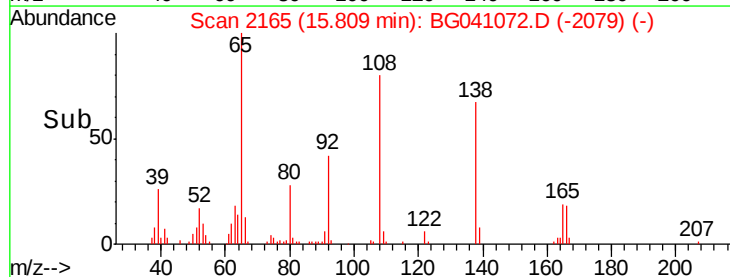
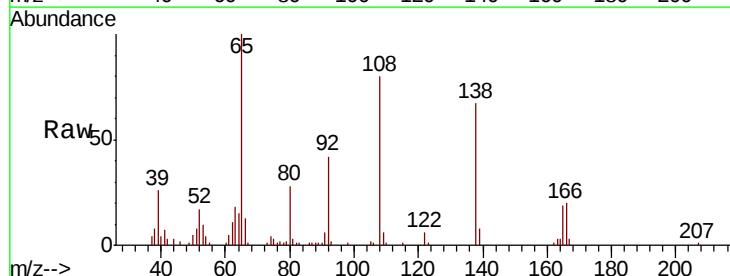
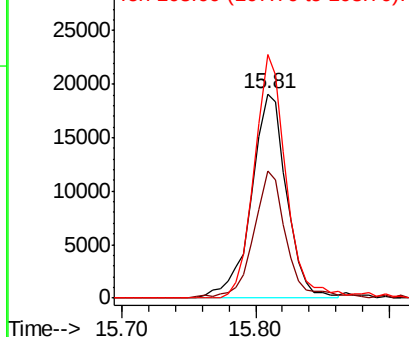
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 62.3  | 42.4  | 82.4  |
| 108     | 119.3 | 96.9  | 136.9 |

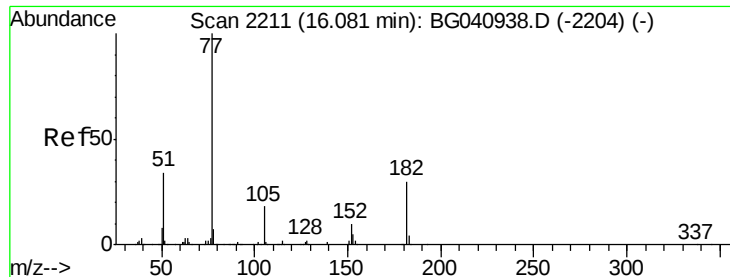
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





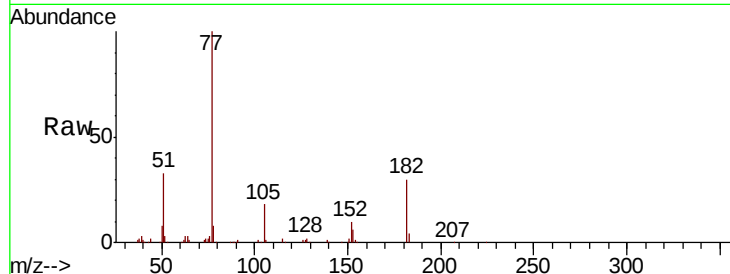
#63  
Azobenzene  
Concen: 19.150 ng  
RT: 16.06 min Scan# 2208  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

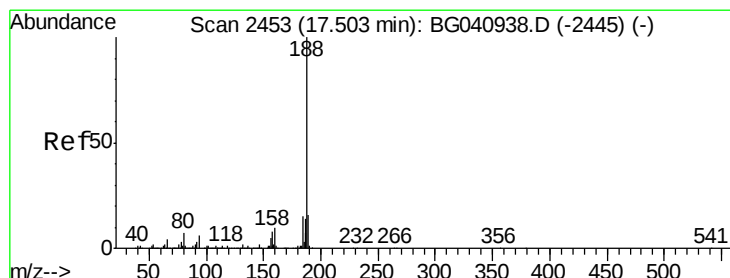
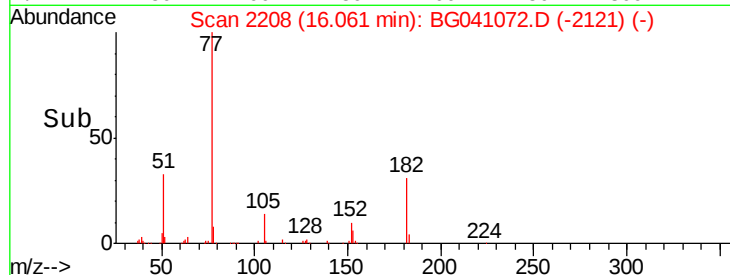
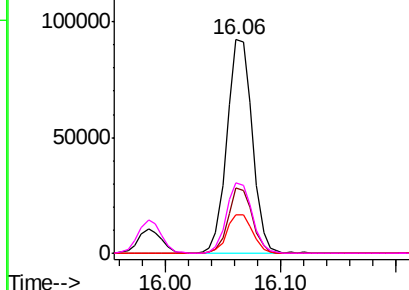
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 77      | 100  |       | 139896 |       |       |
| 182     | 30.4 | 9.6   | 49.6   |       |       |
| 105     | 18.0 | 0.0   | 37.5   |       |       |
| 51      | 32.9 | 13.7  | 53.7   |       |       |

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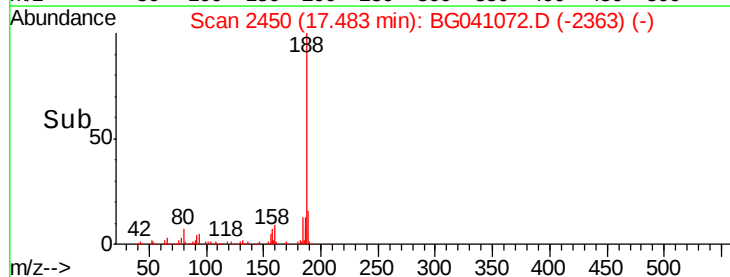
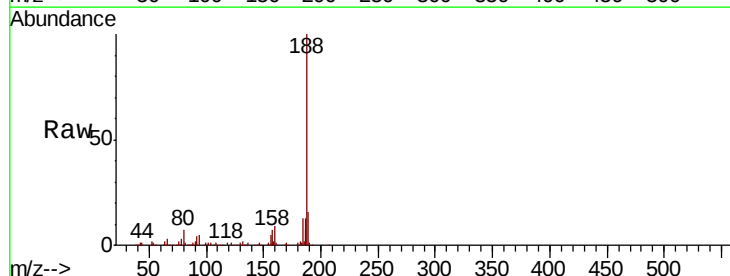
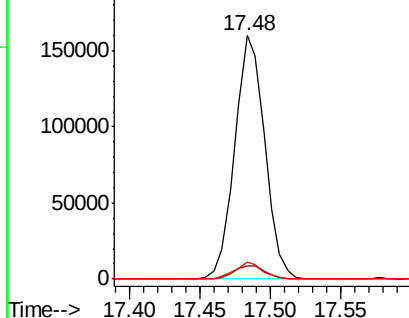
Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

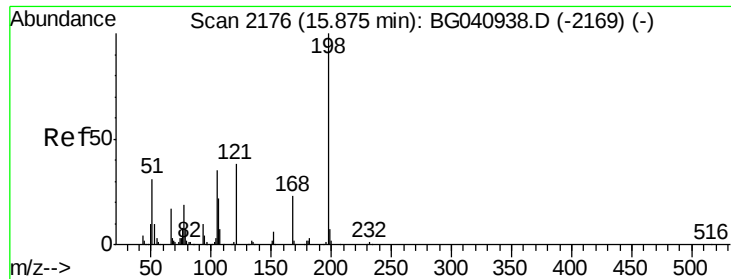


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2450  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 188     | 100 |       | 236760 |       |       |
| 94      | 5.3 | 4.7   | 7.1    |       |       |
| 80      | 7.0 | 5.8   | 8.8    |       |       |

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





#65

4,6-Dinitro-2-methylphenol

Concen: 21.647 ng

RT: 15.86 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:198 Resp: 20176

Ion Ratio Lower Upper

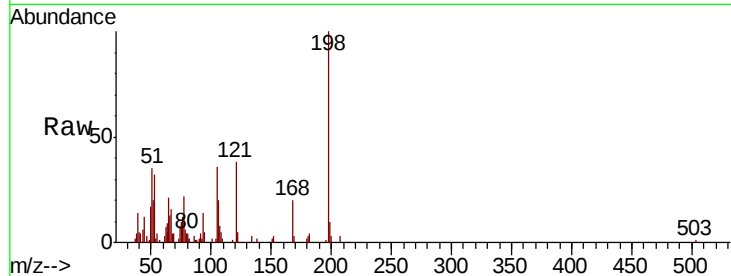
198 100

51 35.2 21.6 61.6

105 36.2 17.5 57.5

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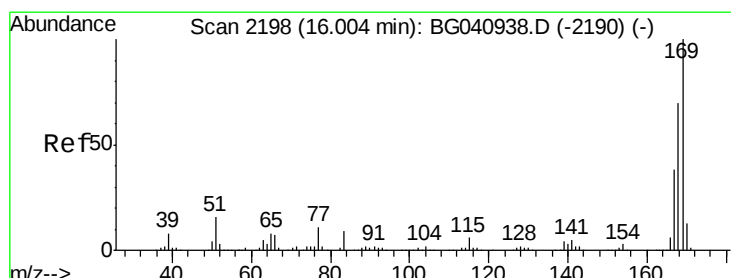
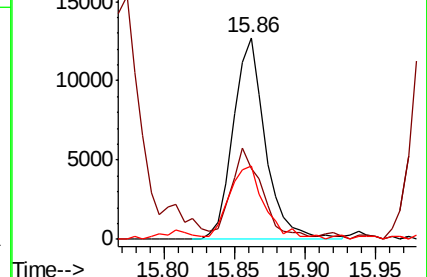
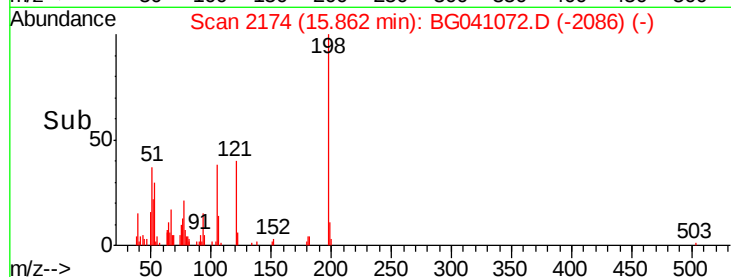
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 19.175 ng

RT: 15.98 min Scan# 2195

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

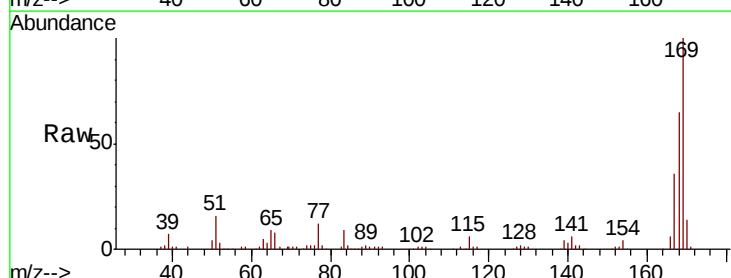
Tgt Ion:169 Resp: 127623

Ion Ratio Lower Upper

169 100

168 64.6 55.7 83.5

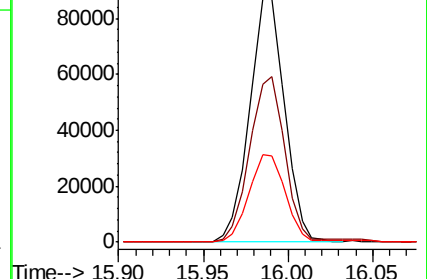
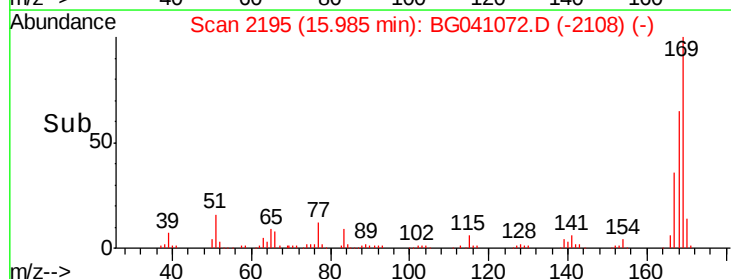
167 35.7 30.2 45.2

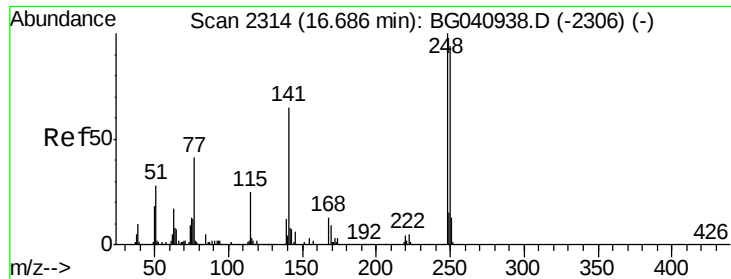


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 17.105 ng

RT: 16.67 min Scan# 2311

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

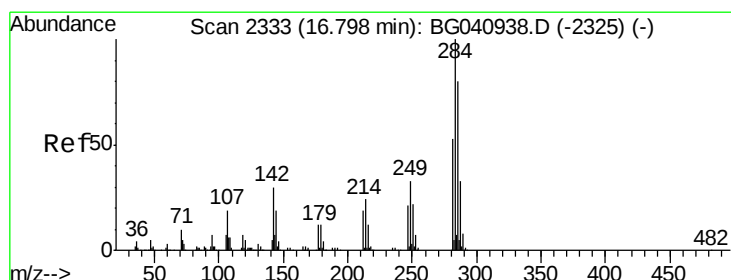
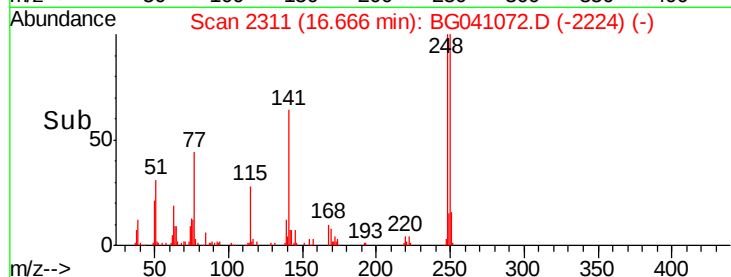
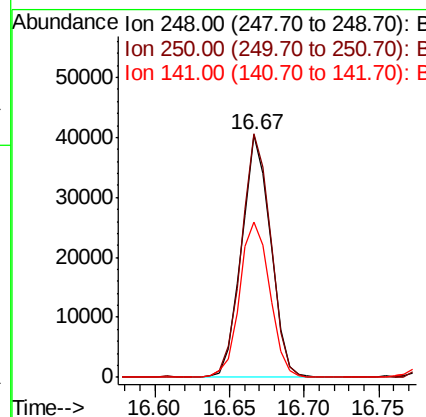
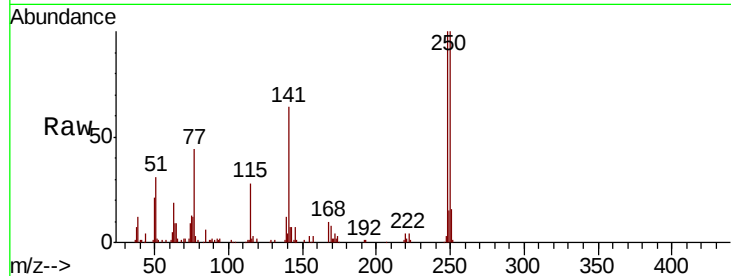
ClientSampleId :

LOQ-SOIL-02-QT2-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 248   | Resp: | 54653 |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 100.4 | 75.0  | 112.4 |
| 141       | 64.0  | 52.4  | 78.6  |

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#68

Hexachlorobenzene

Concen: 17.071 ng

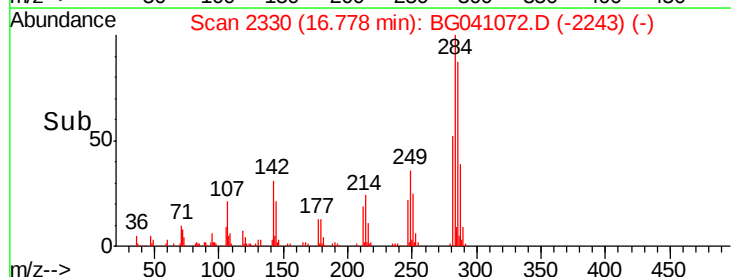
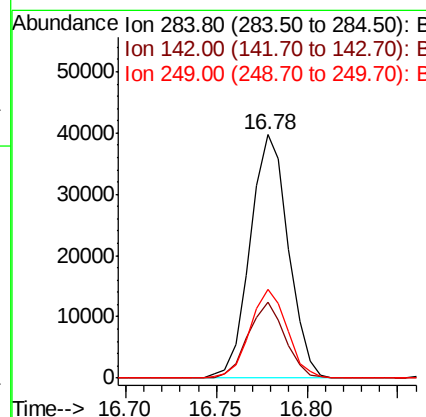
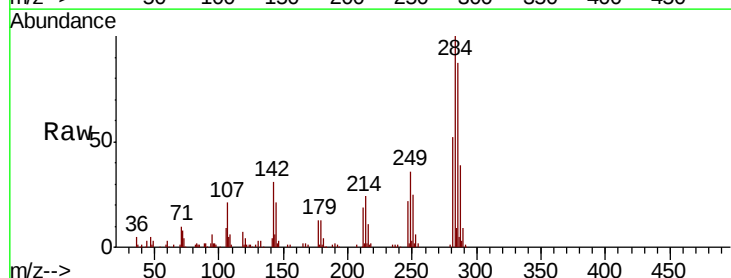
RT: 16.78 min Scan# 2330

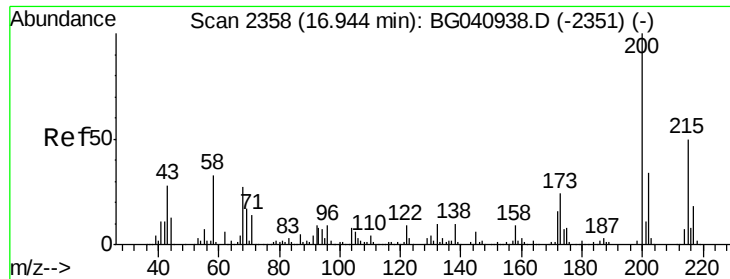
Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 284   | Resp: | 58081 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 31.1  | 23.9  | 35.9  |
| 249       | 39.2  | 26.8  | 40.2  |





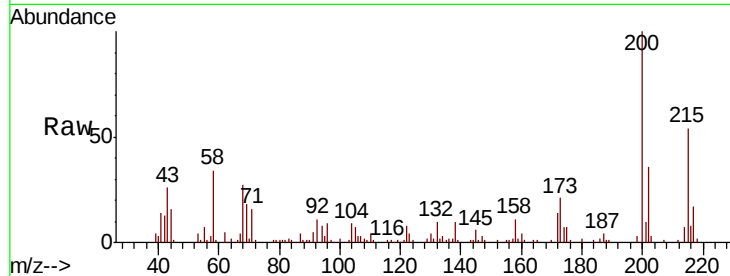
#69  
 Atrazine  
 Concen: 20.841 ng  
 RT: 16.92 min Scan# 2355  
 Delta R.T. -0.02 min  
 Lab File: BG041072.D  
 Acq: 5 Jun 2019 15:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 21.0  | 3.6        | 43.6  |
| 215     | 53.5  | 29.6       | 69.6  |

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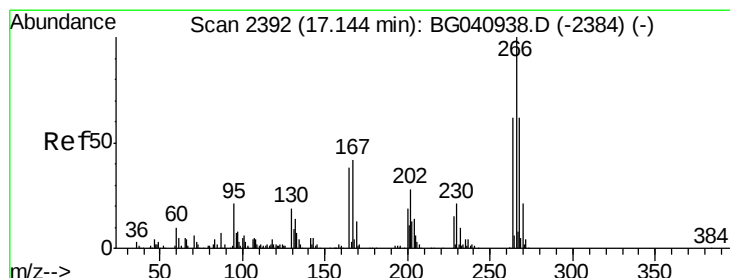
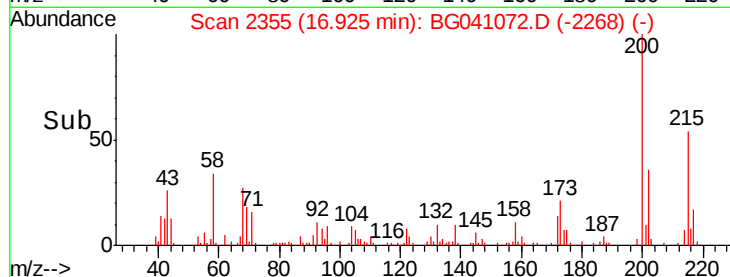
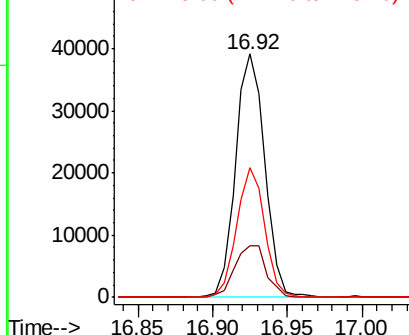


Abundance

Ion 200.00 (199.70 to 200.70): E

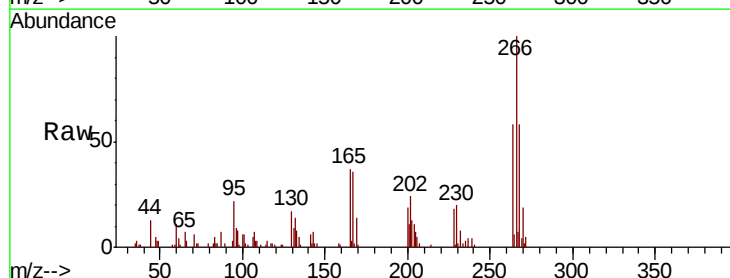
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70  
 Pentachlorophenol  
 Concen: 18.422 ng  
 RT: 17.13 min Scan# 2390  
 Delta R.T. -0.01 min  
 Lab File: BG041072.D  
 Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 57.6  | 53.1       | 79.7  |
| 264     | 58.4  | 49.9       | 74.9  |

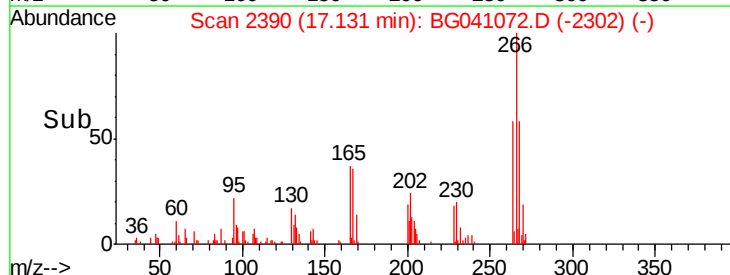
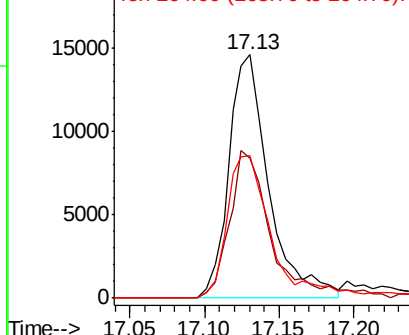


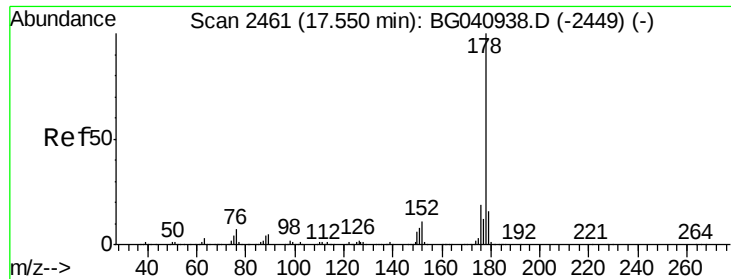
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





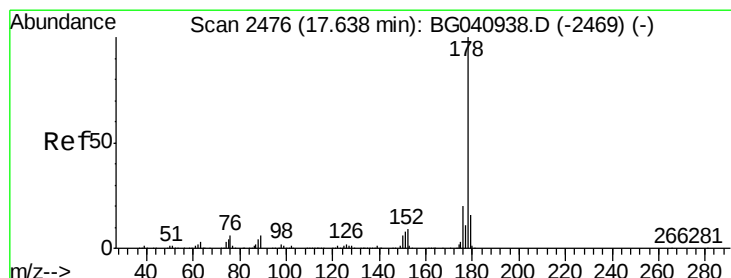
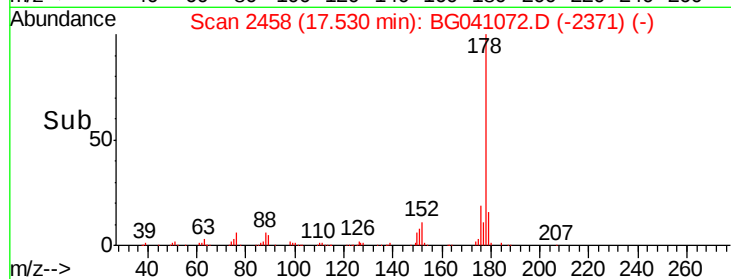
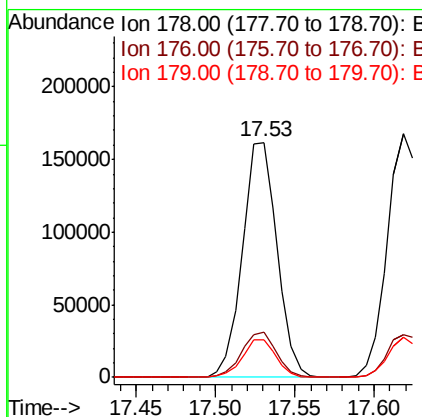
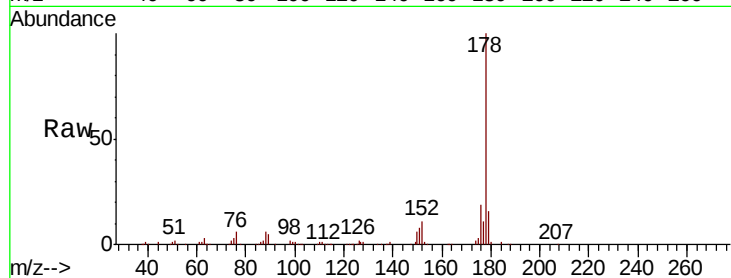
#71  
Phenanthrene  
Concen: 19.900 ng  
RT: 17.53 min Scan# 2458  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.5  | 23.3  |
| 179     | 15.8  | 12.7  | 19.1  |

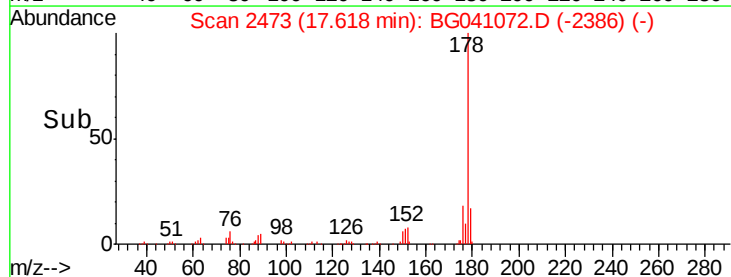
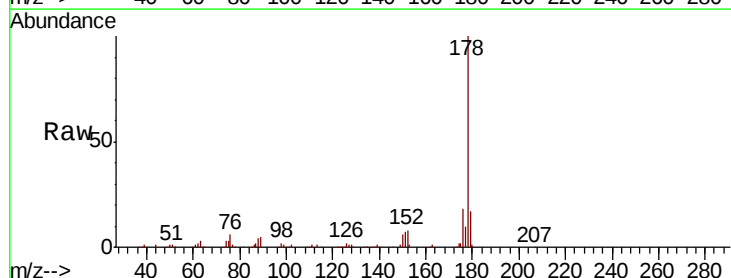
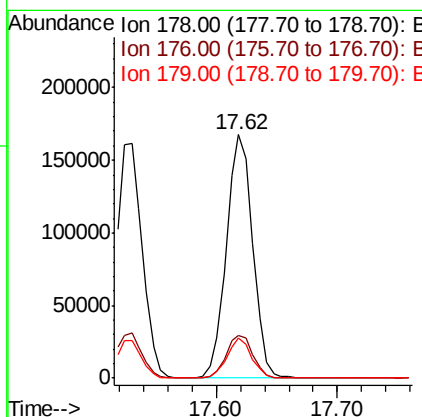
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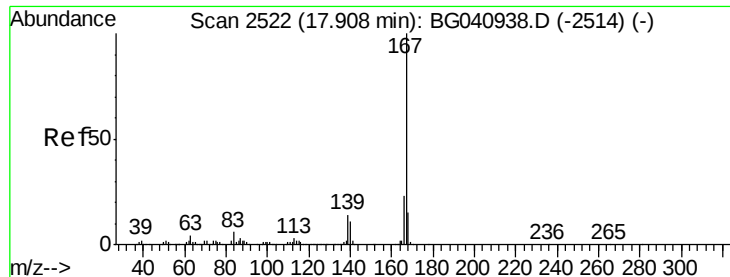
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#72  
Anthracene  
Concen: 20.891 ng  
RT: 17.62 min Scan# 2473  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.5  | 15.6  | 23.4  |
| 179     | 16.6  | 13.0  | 19.4  |





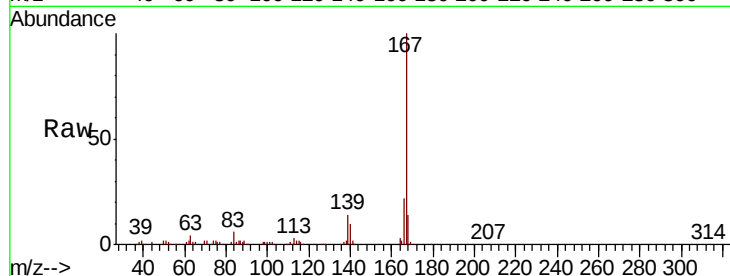
#73  
 Carbazole  
 Concen: 21.737 ng  
 RT: 17.89 min Scan# 2519  
 Delta R.T. -0.02 min  
 Lab File: BG041072.D  
 Acq: 5 Jun 2019 15:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 167     | 100   | 226854 |       |       |
| 166     | 22.3  |        | 18.2  | 27.4  |
| 139     | 13.6  |        | 10.8  | 16.2  |

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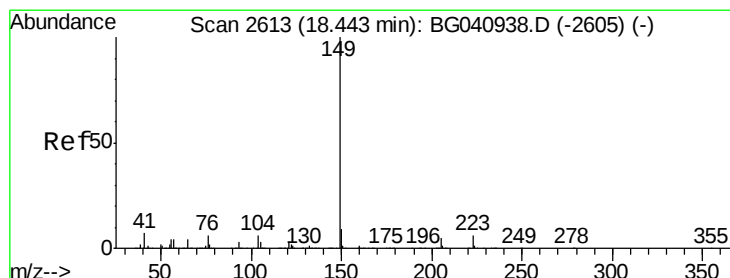
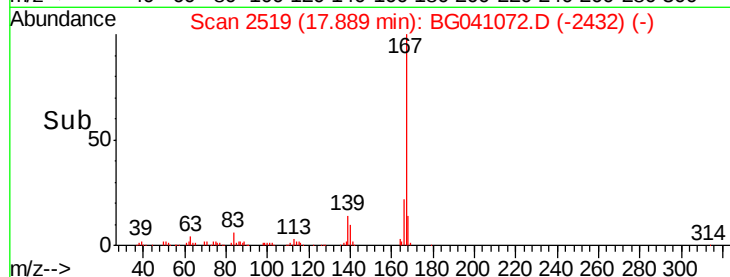
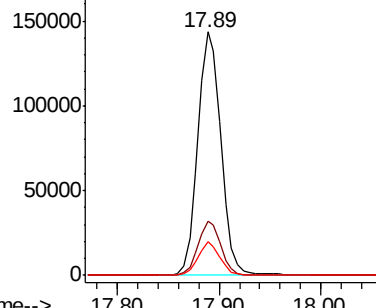


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74  
 Di-n-butylphthalate  
 Concen: 19.723 ng  
 RT: 18.42 min Scan# 2610  
 Delta R.T. -0.02 min  
 Lab File: BG041072.D  
 Acq: 5 Jun 2019 15:03

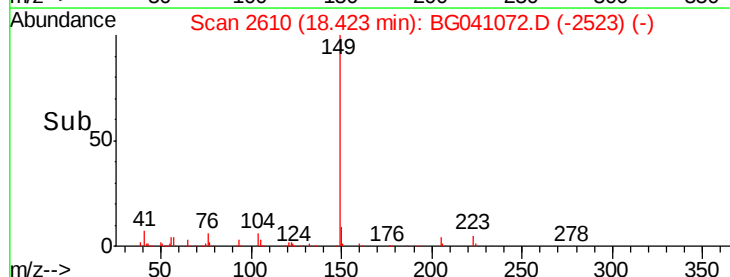
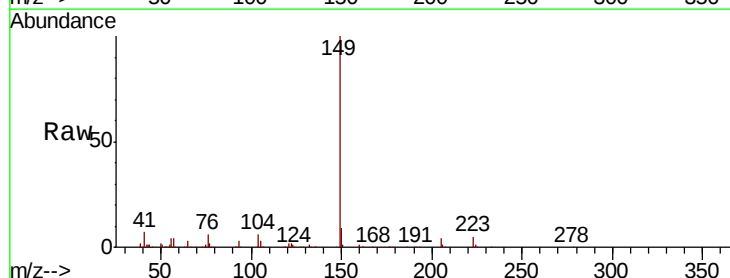
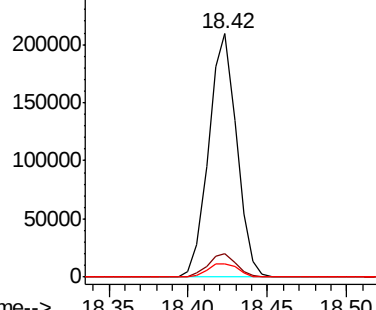
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 255836 |       |       |
| 150     | 9.4   |        | 7.4   | 11.2  |
| 104     | 5.7   |        | 5.0   | 7.4   |

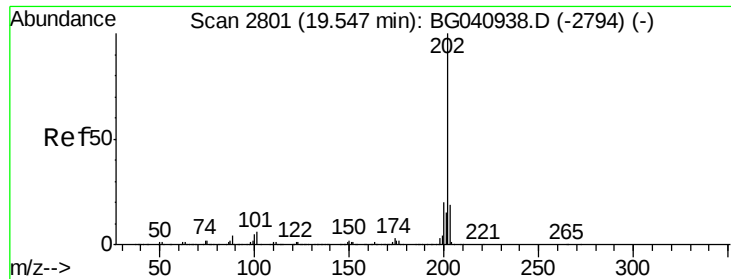
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 22.522 ng

RT: 19.53 min Scan# 2798

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

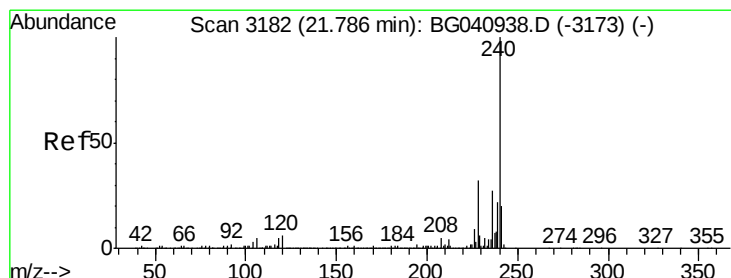
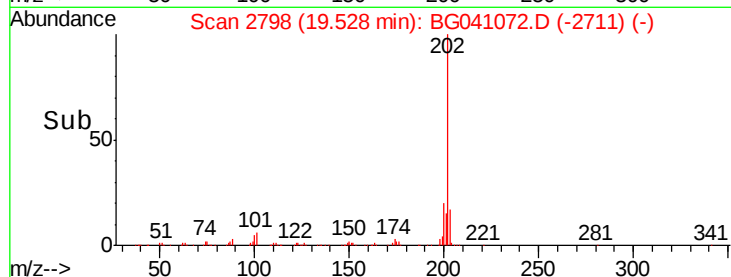
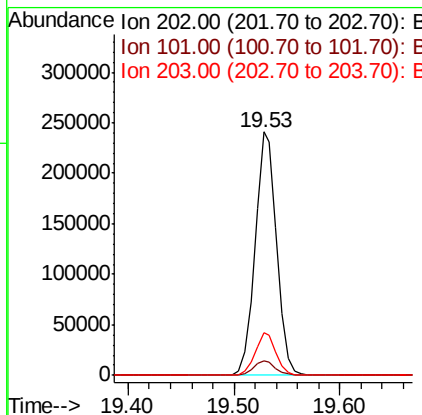
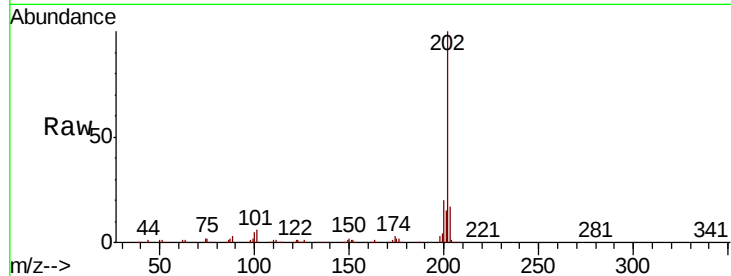
ClientSampleId :

LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 343063 |       |       |
| 101     | 5.7   | 0.0    | 26.2  |       |
| 203     | 17.4  | 0.0    | 38.7  |       |

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#76

Chrysene-d12

Concen: 20.000 ng

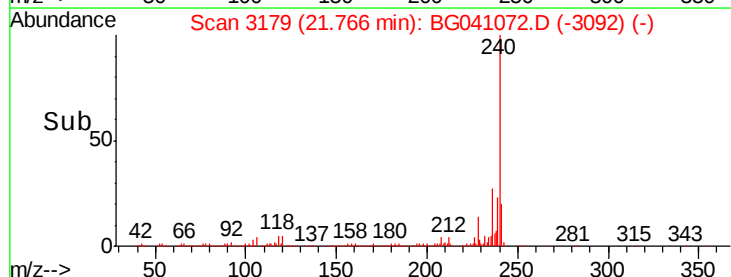
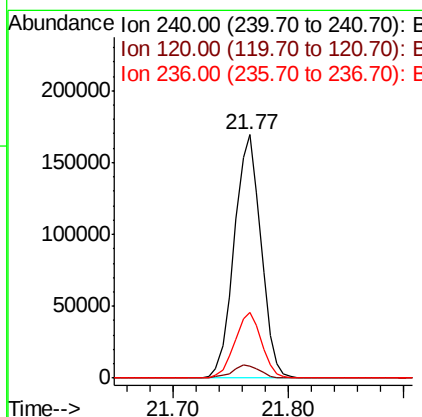
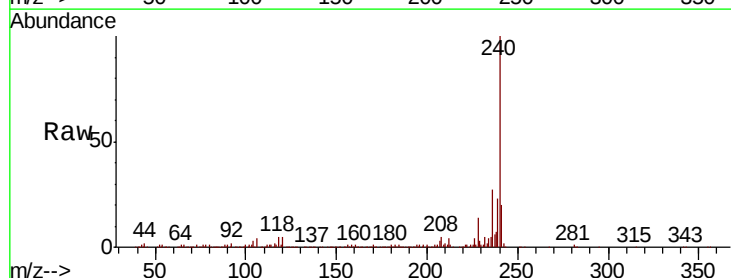
RT: 21.77 min Scan# 3179

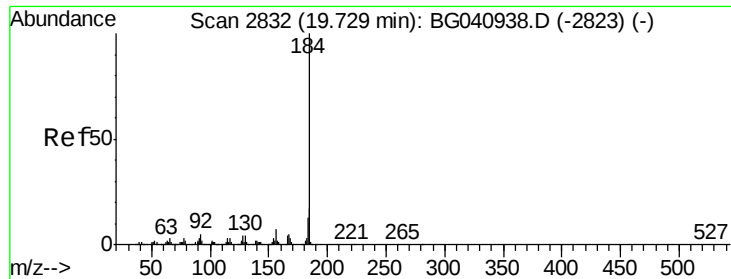
Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 271361 |       |       |
| 120     | 5.1   | 4.5    | 6.7   |       |
| 236     | 26.9  | 21.3   | 31.9  |       |





#77

Benzidine

Concen: 23.747 ng

RT: 19.71 min Scan# 2829

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

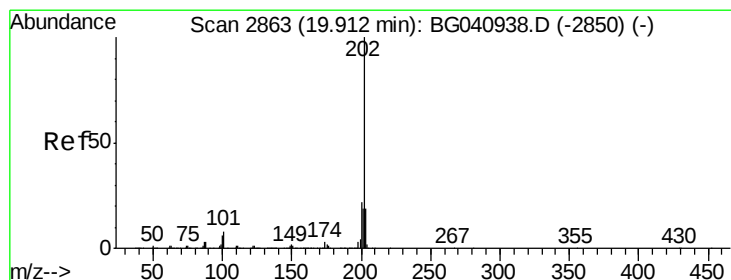
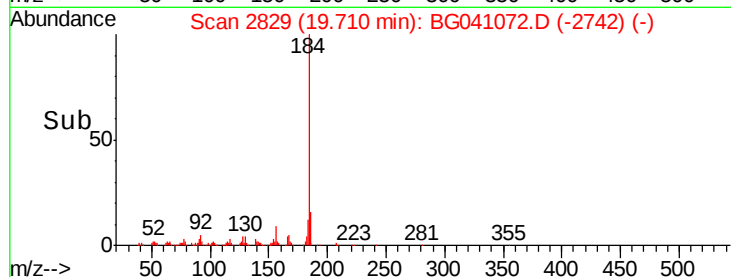
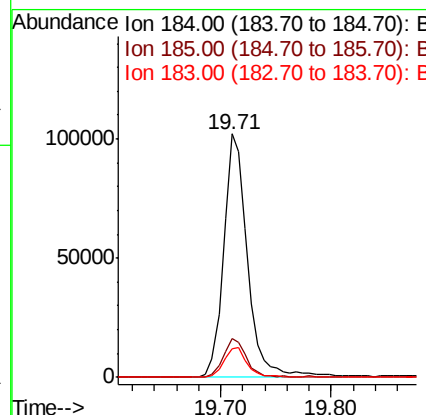
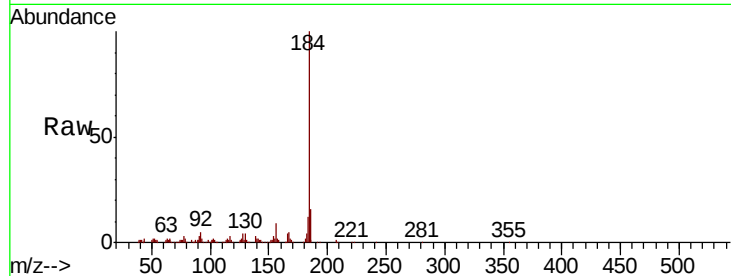
ClientSampleId :

LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 16.0  | 13.3  | 19.9  |
| 183     | 11.6  | 10.7  | 16.1  |

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#78

Pyrene

Concen: 19.582 ng

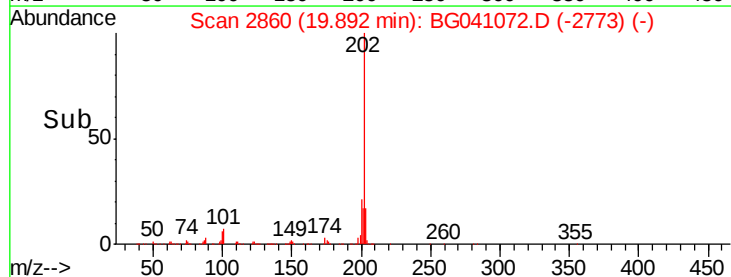
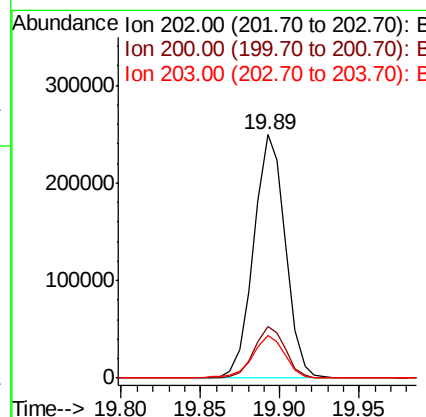
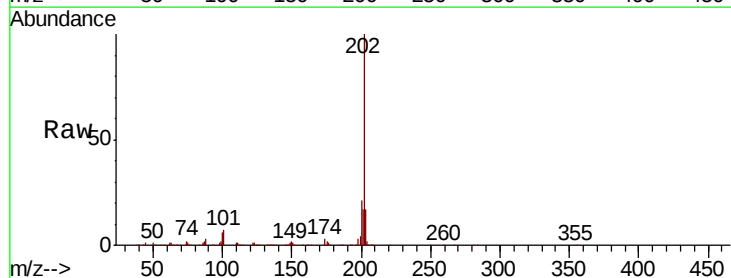
RT: 19.89 min Scan# 2860

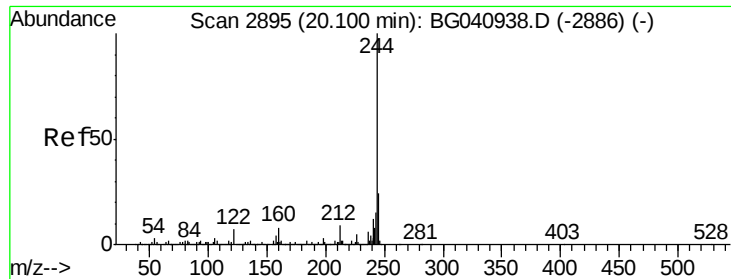
Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.3  | 17.5  | 26.3  |
| 203     | 17.4  | 15.6  | 23.4  |





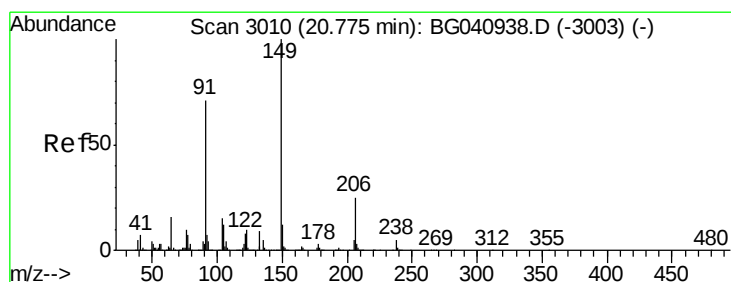
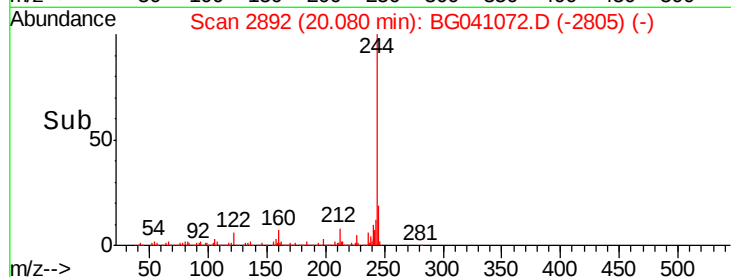
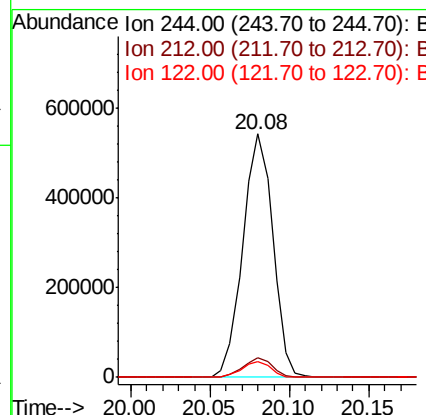
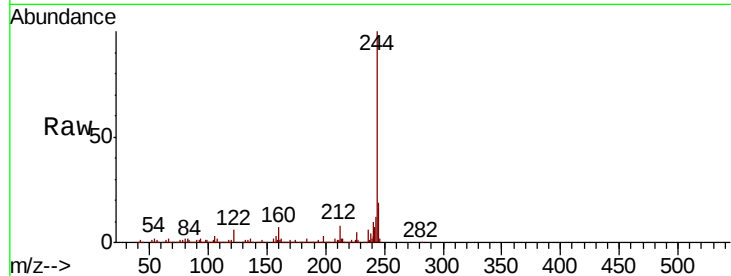
#79  
 Terphenyl-d14  
 Concen: 55.765 ng  
 RT: 20.08 min Scan# 2892  
 Delta R.T. -0.02 min  
 Lab File: BG041072.D  
 Acq: 5 Jun 2019 15:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2019

|           |     |       |        |
|-----------|-----|-------|--------|
| Tot Ion:  | 244 | Resp: | 713002 |
| Ion Ratio |     | Lower | Upper  |
| 244       | 100 |       |        |
| 212       | 8.1 | 7.0   | 10.4   |
| 122       | 6.3 | 5.4   | 8.0    |

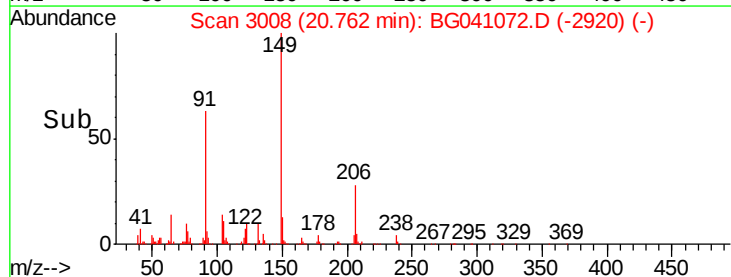
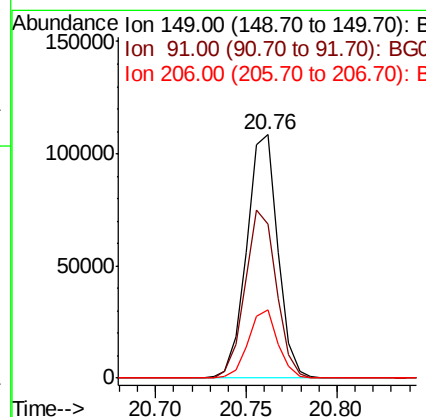
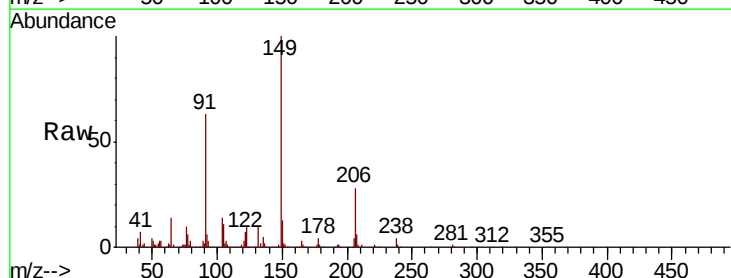
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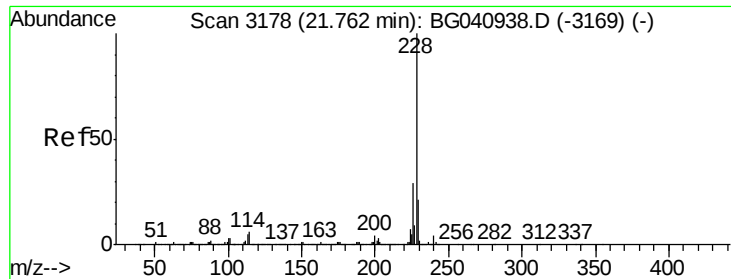
mohammad  
 6/6/2019 3:42:21 PM



#80  
 Butylbenzylphthalate  
 Concen: 18.852 ng  
 RT: 20.76 min Scan# 3008  
 Delta R.T. -0.01 min  
 Lab File: BG041072.D  
 Acq: 5 Jun 2019 15:03

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 149  | Resp: | 129418 |
| Ion Ratio |      | Lower | Upper  |
| 149       | 100  |       |        |
| 91        | 63.4 | 56.5  | 84.7   |
| 206       | 27.9 | 20.3  | 30.5   |





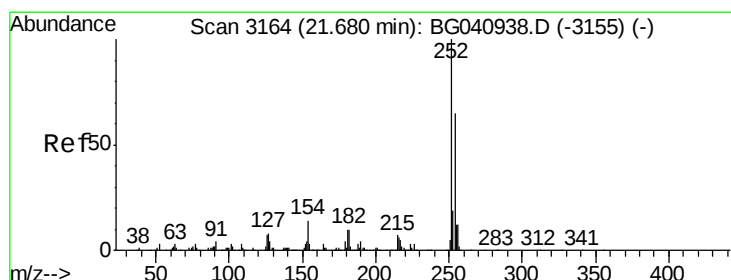
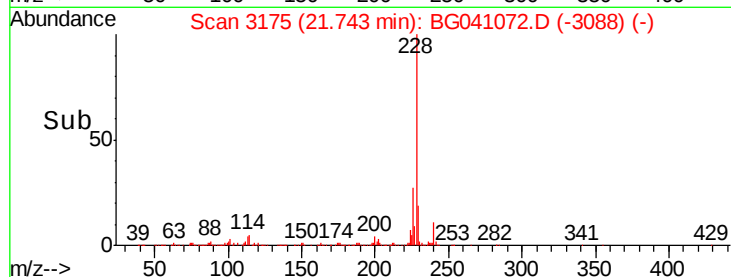
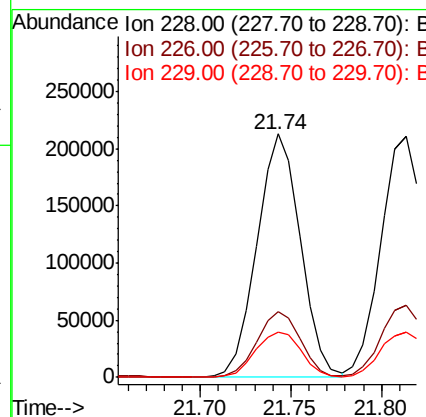
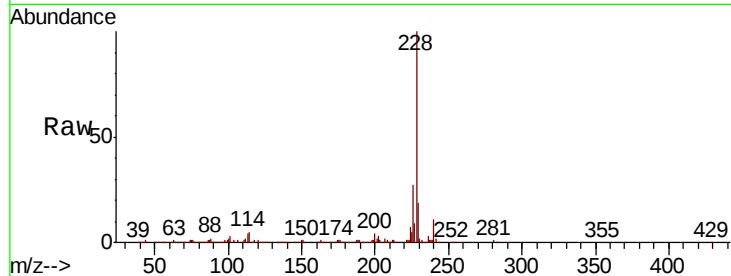
#81  
Benzo(a)anthracene  
Concen: 19.608 ng  
RT: 21.74 min Scan# 3175  
Delta R.T. -0.02 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.1  | 23.5  | 35.3  |
| 229     | 18.8  | 16.7  | 25.1  |

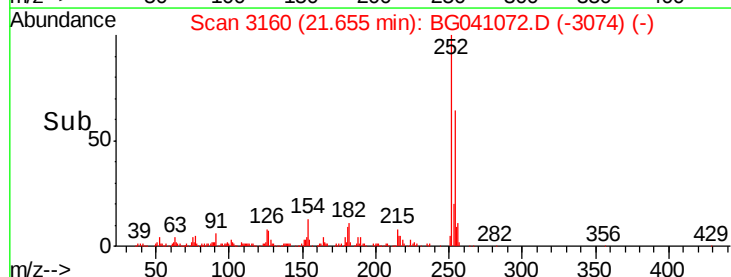
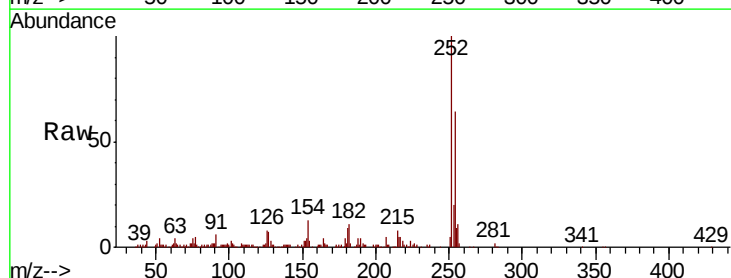
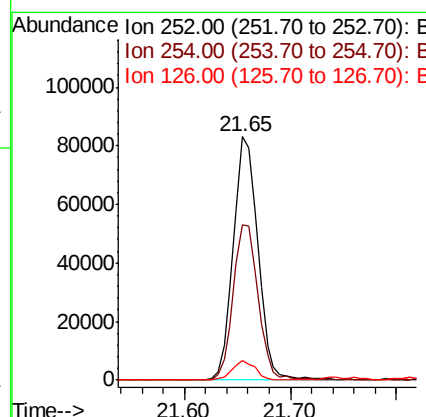
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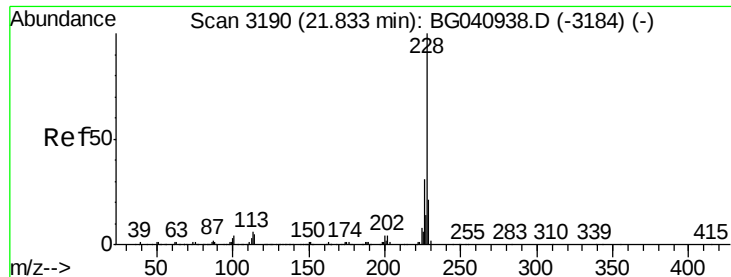
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#82  
3,3'-Dichlorobenzidine  
Concen: 21.108 ng  
RT: 21.65 min Scan# 3160  
Delta R.T. -0.03 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.9  | 52.1  | 78.1  |
| 126     | 8.0   | 5.5   | 8.3   |





#83

Chrysene

Concen: 20.234 ng

RT: 21.81 min Scan# 3187

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

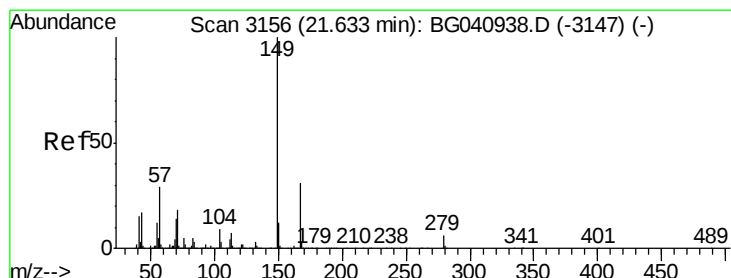
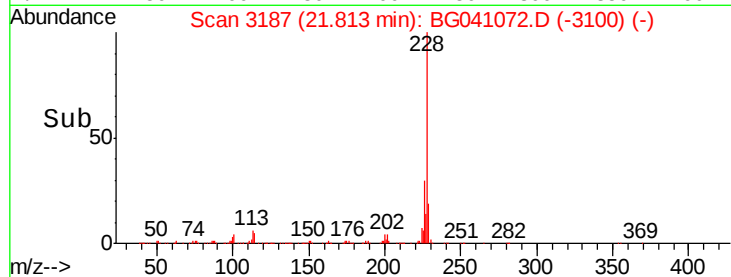
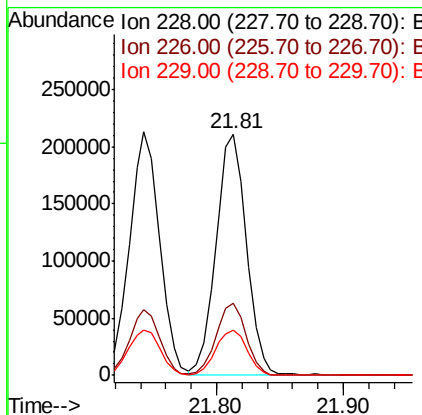
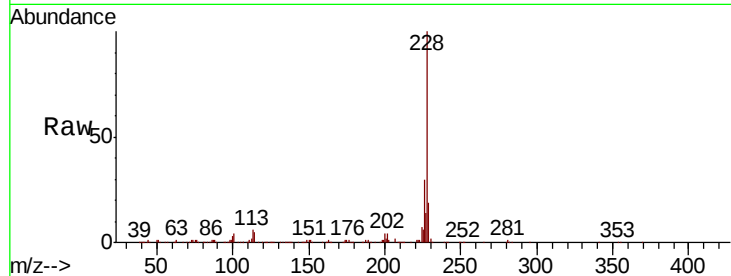
ClientSampleId :

LOQ-SOIL-02-QT2-2019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 349769 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.2  | 24.6  | 37.0   |
| 229       | 19.0  | 16.6  | 24.8   |

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#84

Bis(2-ethylhexyl)phthalate

Concen: 18.972 ng

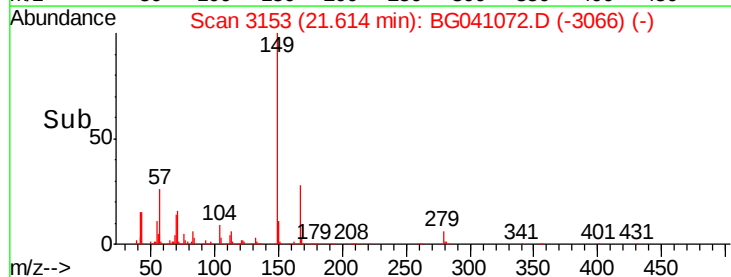
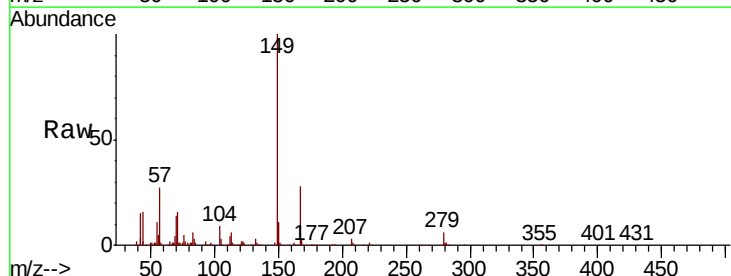
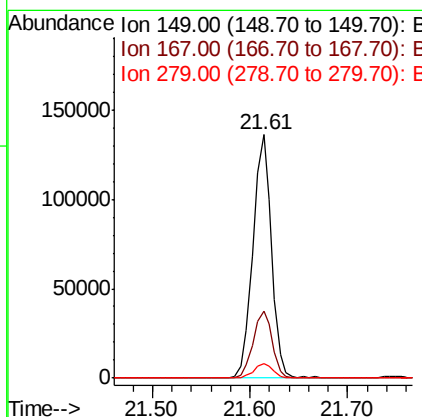
RT: 21.61 min Scan# 3153

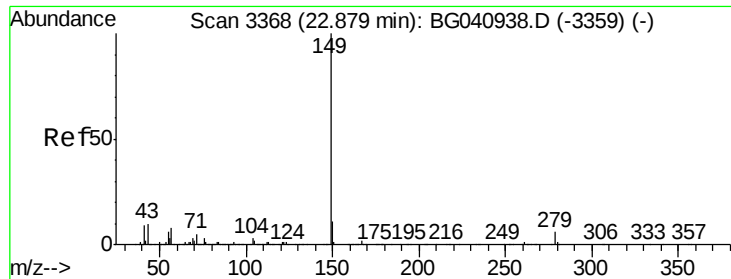
Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 183339 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 27.8  | 24.6  | 37.0   |
| 279       | 6.1   | 5.0   | 7.6    |





#85

Di-n-octyl phthalate

Concen: 19.721 ng

RT: 22.85 min Scan# 3364

Delta R.T. -0.03 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

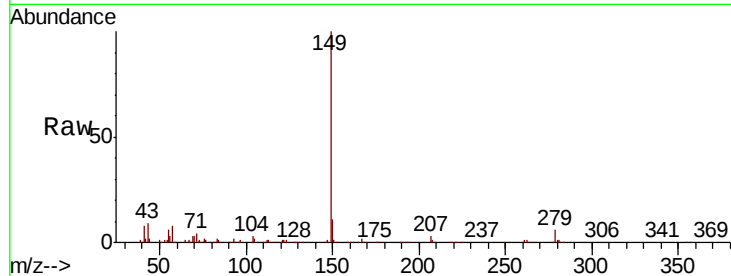
ClientSampleId :

LOQ-SOIL-02-QT2-2019

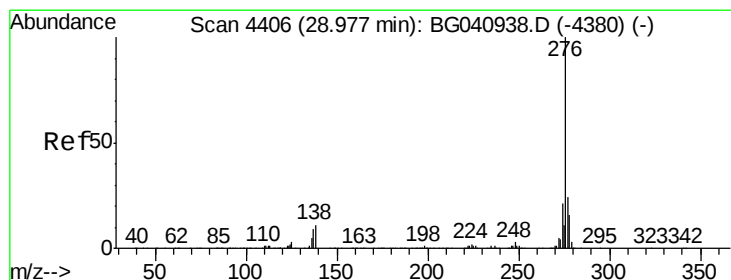
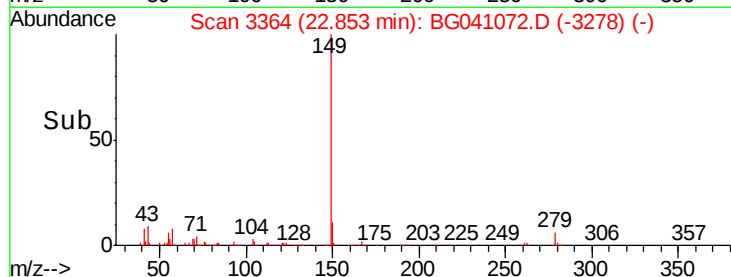
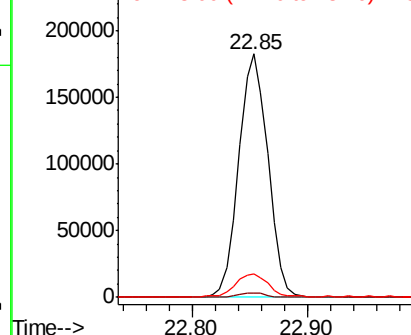
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 149  | Resp: | 317394 |
| Ion Ratio |      | Lower | Upper  |
| 149       | 100  |       |        |
| 167       | 1.8  | 1.4   | 2.0    |
| 43        | 10.3 | 8.1   | 12.1   |

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 19.359 ng

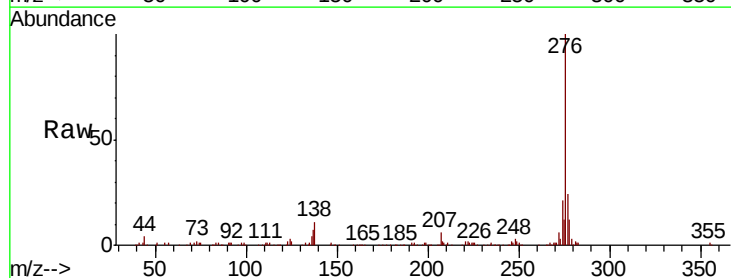
RT: 28.92 min Scan# 4396

Delta R.T. -0.06 min

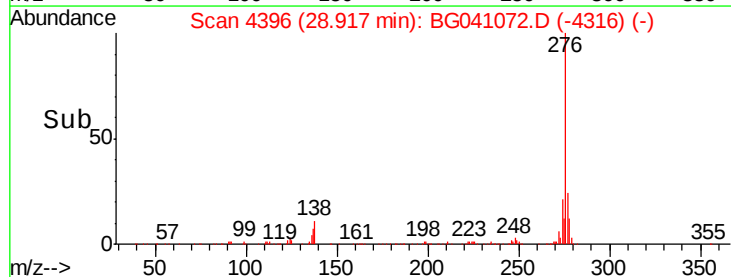
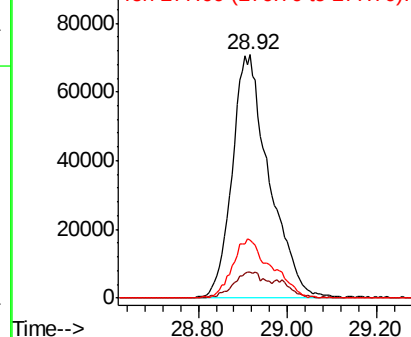
Lab File: BG041072.D

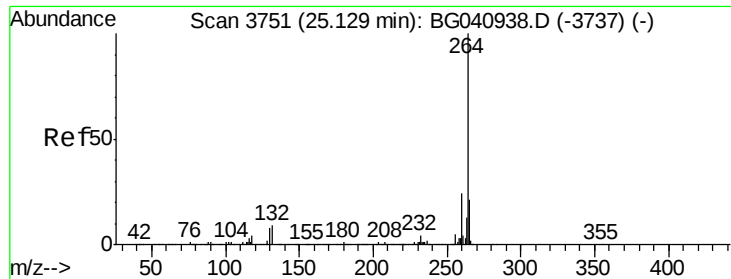
Acq: 5 Jun 2019 15:03

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 276  | Resp: | 409917 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 138       | 9.2  | 5.7   | 8.5#   |
| 277       | 25.5 | 20.8  | 31.2   |



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3745

Delta R.T. -0.04 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA\_G

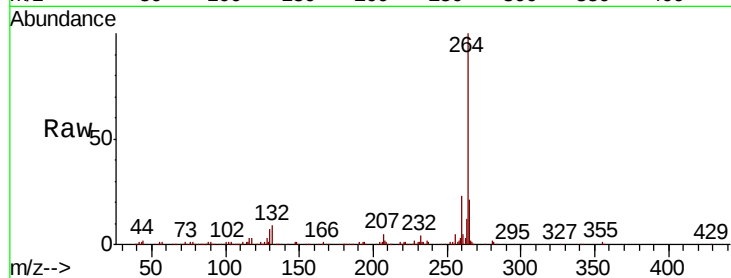
ClientSampleId :

LOQ-SOIL-02-QT2-2019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 298384 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 22.8  | 19.0  | 28.4   |
| 265       | 20.7  | 17.0  | 25.4   |

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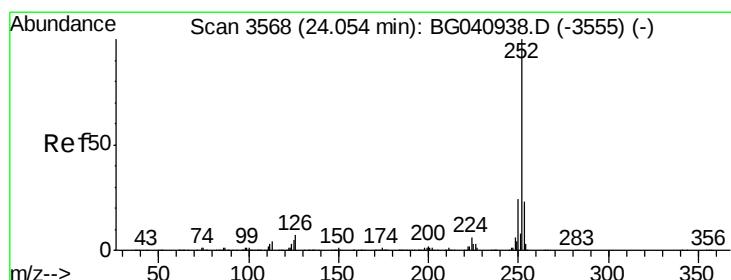
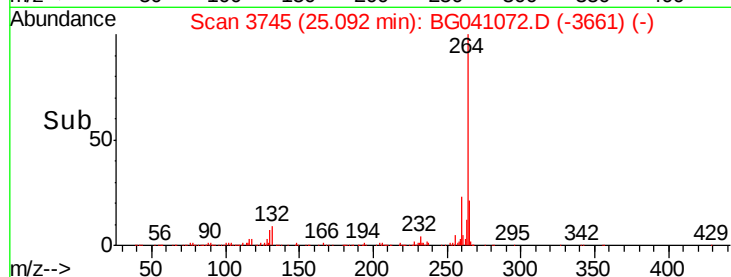
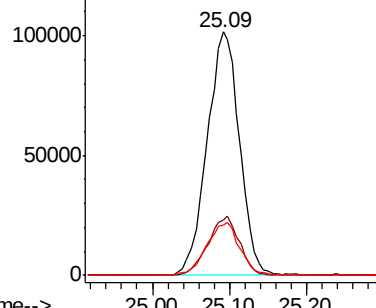


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 19.437 ng

RT: 24.03 min Scan# 3564

Delta R.T. -0.03 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

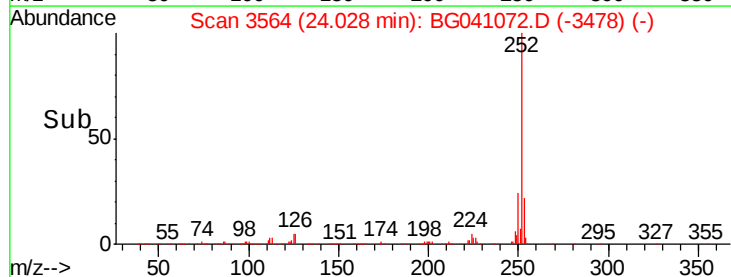
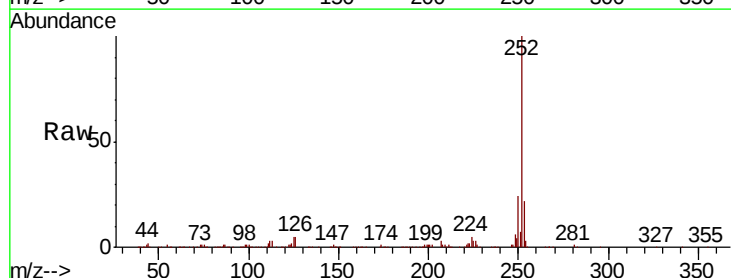
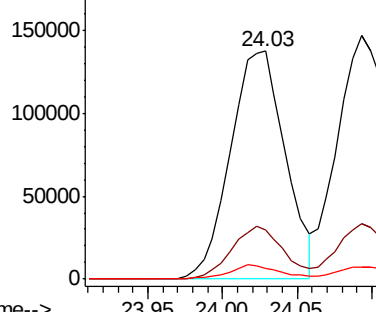
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 351774 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.5  | 18.4  | 27.6   |
| 125       | 4.8   | 4.3   | 6.5    |

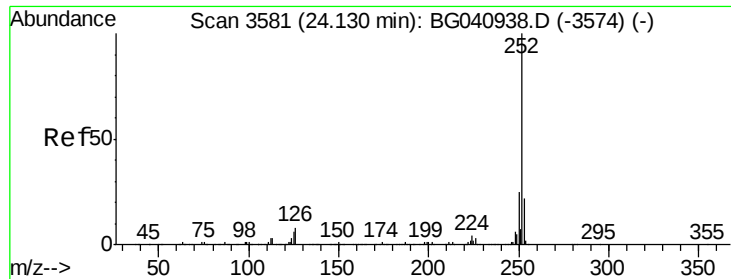
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





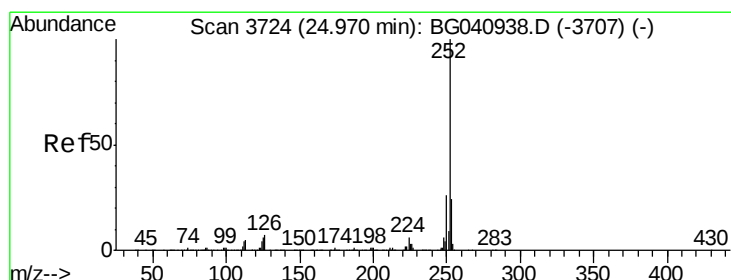
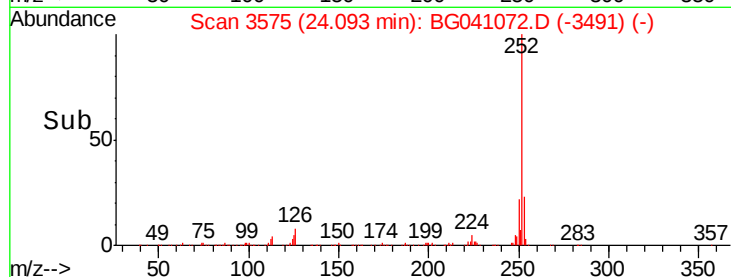
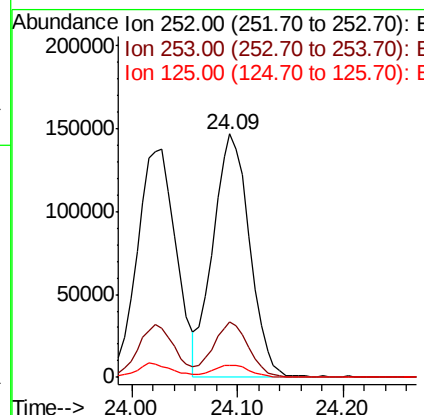
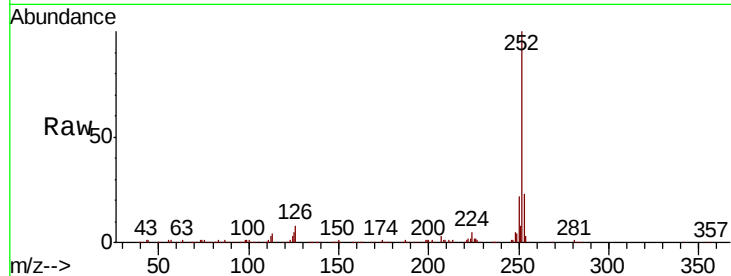
#89  
Benzo(k)fluoranthene  
Concen: 19.664 ng  
RT: 24.09 min Scan# 3575  
Delta R.T. -0.04 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 17.8  | 26.6  |
| 125     | 4.8   | 4.7   | 7.1   |

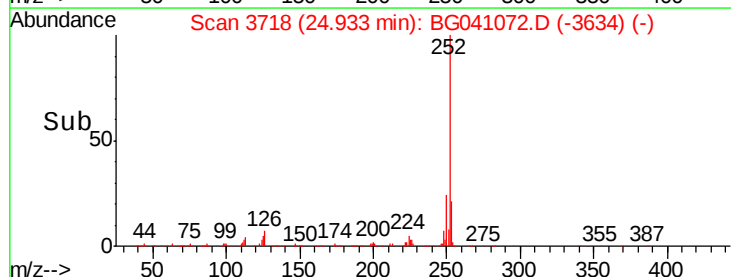
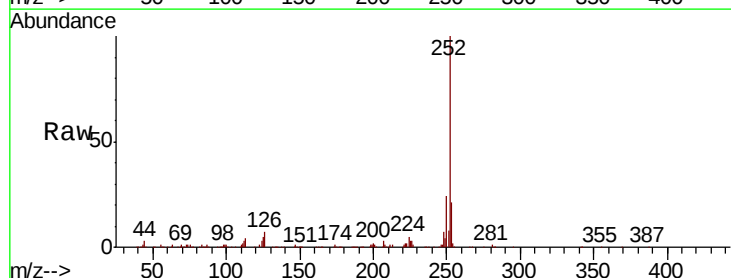
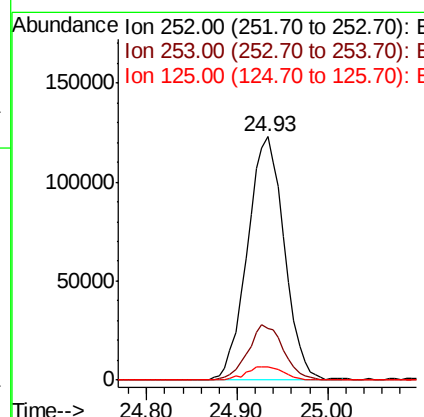
Manual Integrations  
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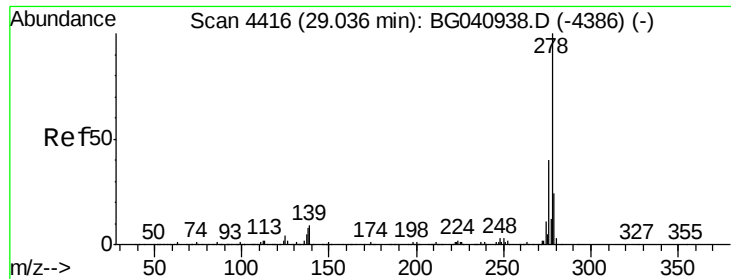
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#90  
Benzo(a)pyrene  
Concen: 20.056 ng  
RT: 24.93 min Scan# 3718  
Delta R.T. -0.04 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.4  | 19.5  | 29.3  |
| 125     | 5.5   | 5.1   | 7.7   |





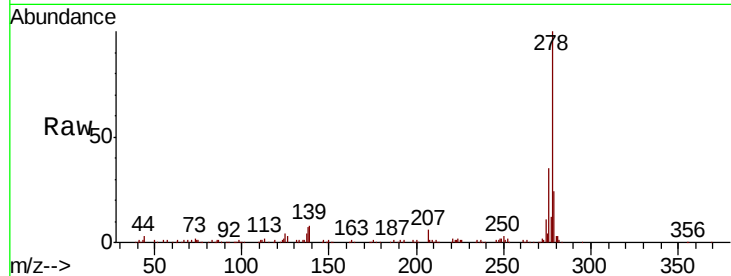
#91  
Dibenzo(a,h)anthracene  
Concen: 19.391 ng  
RT: 28.98 min Scan# 4406  
Delta R.T. -0.06 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

Instrument :  
BNA\_G  
ClientSampleId :  
LOQ-SOIL-02-QT2-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 7.8   | 7.1   | 10.7  |
| 279     | 23.8  | 19.4  | 29.2  |

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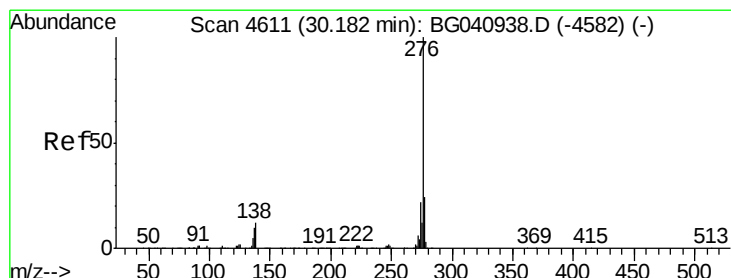
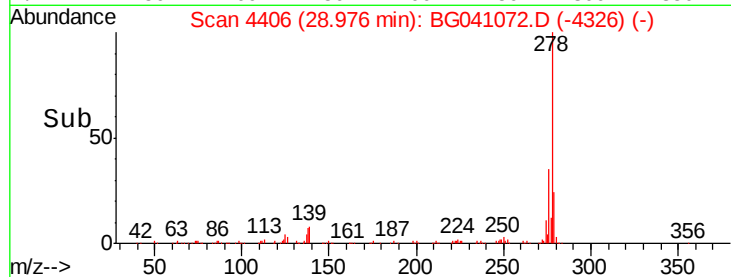
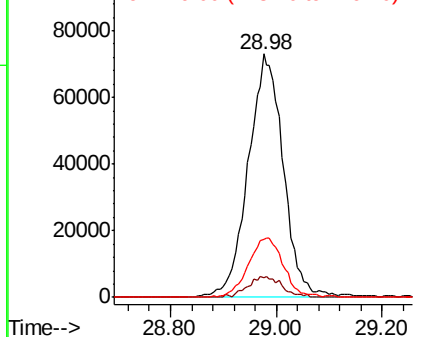


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 20.304 ng  
RT: 30.12 min Scan# 4601  
Delta R.T. -0.06 min  
Lab File: BG041072.D  
Acq: 5 Jun 2019 15:03

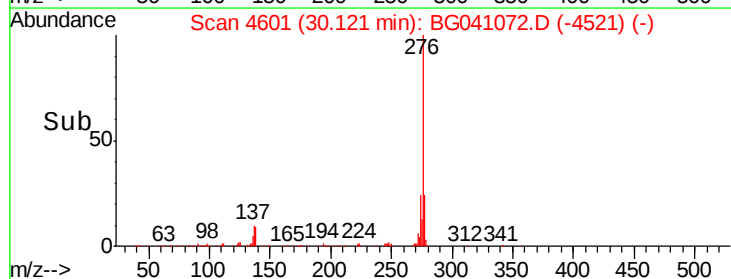
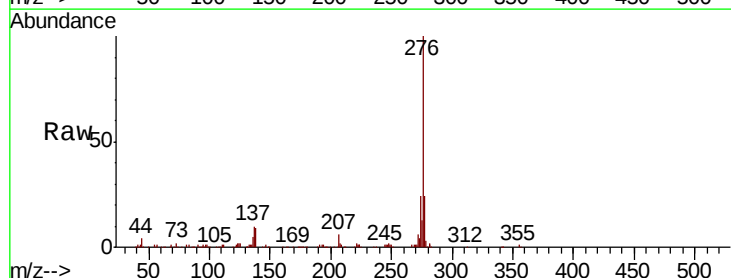
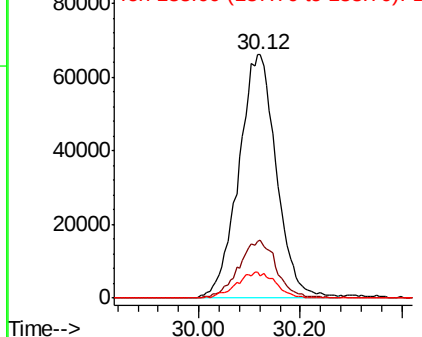
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 19.4  | 29.0  |
| 138     | 9.2   | 9.7   | 14.5# |

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060519\  
 Data File : BG041072.D  
 Acq On : 5 Jun 2019 15:03  
 Operator : HP/JU  
 Sample : K2241-02  
 Misc : LOO-SOIL-20PPM  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2019

Manual Integrations  
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Quant Time: Jun 06 08:26:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 29 18:39:57 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 35644    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.93 | 136  | 136703   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.74 | 164  | 93042    | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 17.48 | 188  | 236760   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.77 | 240  | 271361   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 25.09 | 264  | 298384   | 20.00 | ng    | -0.04    |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.64  | 112 | 173891 | 87.97 | ng | -0.01 |
| 7) Phenol-d6                | 7.25  | 99  | 242951 | 79.58 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 9.29  | 82  | 161230 | 52.36 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol    | 16.23 | 330 | 121632 | 88.06 | ng | -0.02 |
| 45) 2-Fluorobiphenyl        | 13.36 | 172 | 350673 | 54.28 | ng | -0.02 |
| 79) Terphenyl-d14           | 20.08 | 244 | 713002 | 55.76 | ng | -0.02 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.52  | 88  | 20354  | 22.692 | ng | 97   |
| 3) Pyridine                    | 3.92  | 79  | 46686  | 17.590 | ng | 96   |
| 4) n-Nitrosodimethylamine      | 3.85  | 42  | 24242  | 19.680 | ng | # 94 |
| 6) Aniline                     | 7.43  | 93  | 69740  | 17.115 | ng | 98   |
| 8) 2-Chlorophenol              | 7.67  | 128 | 43566  | 18.487 | ng | 94   |
| 9) Benzaldehyde                | 7.25  | 77  | 48333  | 26.541 | ng | # 83 |
| 10) Phenol                     | 7.28  | 94  | 57570  | 17.588 | ng | 97   |
| 11) bis(2-Chloroethyl)ether    | 7.52  | 93  | 40882  | 17.217 | ng | 98   |
| 12) 1,3-Dichlorobenzene        | 8.00  | 146 | 51459  | 18.283 | ng | 98   |
| 13) 1,4-Dichlorobenzene        | 8.15  | 146 | 52948  | 18.585 | ng | 93   |
| 14) 1,2-Dichlorobenzene        | 8.46  | 146 | 50223  | 18.156 | ng | 99   |
| 15) Benzyl Alcohol             | 8.35  | 79  | 47472  | 16.810 | ng | 91   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.63  | 45  | 68375  | 17.622 | ng | 98   |
| 17) 2-Methylphenol             | 8.55  | 107 | 40115  | 16.926 | ng | 95   |
| 18) Hexachloroethane           | 9.19  | 117 | 20656  | 18.811 | ng | 96   |
| 19) n-Nitroso-di-n-propylamine | 8.91  | 70  | 38330  | 16.316 | ng | 97   |
| 20) 3+4-Methylphenols          | 8.87  | 107 | 53425  | 16.274 | ng | 96   |
| 22) Acetophenone               | 8.94  | 105 | 79220  | 20.658 | ng | 95   |
| 24) Nitrobenzene               | 9.33  | 77  | 62088  | 19.785 | ng | 94   |
| 25) Isophorone                 | 9.85  | 82  | 106920 | 18.245 | ng | 97   |
| 26) 2-Nitrophenol              | 10.04 | 139 | 25759  | 19.911 | ng | 89   |
| 27) 2,4-Dimethylphenol         | 10.09 | 122 | 41967  | 19.642 | ng | 96   |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93  | 57113  | 18.057 | ng | 97   |
| 29) 2,4-Dichlorophenol         | 10.57 | 162 | 47068  | 17.348 | ng | 97   |
| 30) 1,2,4-Trichlorobenzene     | 10.79 | 180 | 57720  | 18.701 | ng | 91   |
| 31) Naphthalene                | 10.98 | 128 | 138236 | 18.834 | ng | 99   |
| 32) Benzoic acid               | 10.19 | 122 | 14953m | 15.606 | ng |      |
| 33) 4-Chloroaniline            | 11.10 | 127 | 58648  | 17.221 | ng | 95   |
| 34) Hexachlorobutadiene        | 11.24 | 225 | 42630  | 18.051 | ng | 96   |
| 35) Caprolactam                | 11.86 | 113 | 15259  | 17.031 | ng | # 79 |
| 36) 4-Chloro-3-methylphenol    | 12.20 | 107 | 55158  | 17.801 | ng | 98   |
| 37) 2-Methylnaphthalene        | 12.58 | 142 | 102694 | 18.167 | ng | 99   |
| 38) 1-Methylnaphthalene        | 12.79 | 142 | 97108  | 18.230 | ng | 96   |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 78185  | 20.849 | ng | 100  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060519\  
 Data File : BG041072.D  
 Acq On : 5 Jun 2019 15:03  
 Operator : HP/JU  
 Sample : K2241-02  
 Misc : LOO-SOIL-20PPM  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2019

Manual Integrations  
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 6/6/2019 3:42:21 PM

Quant Time: Jun 06 08:26:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 29 18:39:57 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.91 | 237  | 35629    | 24.090 | nq    | 97       |
| 43) 2,4,6-Trichlorophenol      | 13.18 | 196  | 44317    | 18.268 | nq    | 96       |
| 44) 2,4,5-Trichlorophenol      | 13.25 | 196  | 50411    | 19.703 | nq    | 97       |
| 46) 1,1'-Biphenyl              | 13.58 | 154  | 142608   | 20.706 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.62 | 162  | 111568   | 18.870 | nq    | 96       |
| 48) 2-Nitroaniline             | 13.83 | 65   | 38682    | 18.237 | nq    | 96       |
| 49) Acenaphthylene             | 14.47 | 152  | 176191   | 19.800 | nq    | 97       |
| 50) Dimethylphthalate          | 14.19 | 163  | 145533   | 18.478 | nq    | 98       |
| 51) 2,6-Dinitrotoluene         | 14.32 | 165  | 32314    | 19.029 | nq    | 93       |
| 52) Acenaphthene               | 14.80 | 154  | 101280   | 18.788 | nq    | 97       |
| 53) 3-Nitroaniline             | 14.65 | 138  | 30640    | 18.044 | nq    | 96       |
| 54) 2,4-Dinitrophenol          | 14.86 | 184  | 7062     | 17.854 | nq    | 95       |
| 55) Dibenzofuran               | 15.14 | 168  | 177955   | 19.618 | nq    | 96       |
| 56) 4-Nitrophenol              | 14.94 | 139  | 22277    | 19.126 | nq    | 98       |
| 57) 2,4-Dinitrotoluene         | 15.10 | 165  | 47187    | 19.671 | nq    | 99       |
| 58) Fluorene                   | 15.79 | 166  | 138388   | 19.157 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.36 | 232  | 49596m   | 19.725 | nq    |          |
| 60) Diethylphthalate           | 15.54 | 149  | 147785   | 18.386 | nq    | 97       |
| 61) 4-Chlorophenyl-phenylether | 15.77 | 204  | 86322    | 18.384 | nq    | 95       |
| 62) 4-Nitroaniline             | 15.81 | 138  | 34596    | 19.244 | nq    | 98       |
| 63) Azobenzene                 | 16.06 | 77   | 139896   | 19.150 | nq    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 198  | 20176    | 21.647 | nq    | 94       |
| 66) n-Nitrosodiphenylamine     | 15.98 | 169  | 127623   | 19.175 | nq    | 95       |
| 67) 4-Bromophenyl-phenylether  | 16.67 | 248  | 54653    | 17.105 | nq    | 95       |
| 68) Hexachlorobenzene          | 16.78 | 284  | 58081    | 17.071 | nq    | 94       |
| 69) Atrazine                   | 16.92 | 200  | 53523    | 20.841 | nq    | 94       |
| 70) Pentachlorophenol          | 17.13 | 266  | 27270    | 18.422 | nq    | 92       |
| 71) Phenanthrene               | 17.53 | 178  | 245420   | 19.900 | nq    | 100      |
| 72) Anthracene                 | 17.62 | 178  | 254099   | 20.891 | nq    | 97       |
| 73) Carbazole                  | 17.89 | 167  | 226854   | 21.737 | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.42 | 149  | 255836   | 19.723 | nq    | 99       |
| 75) Fluoranthene               | 19.53 | 202  | 343063   | 22.522 | nq    | 97       |
| 77) Benzidine                  | 19.71 | 184  | 153722   | 23.747 | nq    | 97       |
| 78) Pyrene                     | 19.89 | 202  | 345436   | 19.582 | nq    | 97       |
| 80) Butylbenzylphthalate       | 20.76 | 149  | 129418   | 18.852 | nq    | 92       |
| 81) Benzo(a)anthracene         | 21.74 | 228  | 354181   | 19.608 | nq    | 96       |
| 82) 3,3'-Dichlorobenzidine     | 21.65 | 252  | 134108   | 21.108 | nq    | 98       |
| 83) Chrysene                   | 21.81 | 228  | 349769   | 20.234 | nq    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.61 | 149  | 183339   | 18.972 | nq    | 95       |
| 85) Di-n-octyl phthalate       | 22.85 | 149  | 317394   | 19.721 | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 28.92 | 276  | 409917   | 19.359 | nq    | # 98     |
| 88) Benzo(b)fluoranthene       | 24.03 | 252  | 351774   | 19.437 | nq    | 97       |
| 89) Benzo(k)fluoranthene       | 24.09 | 252  | 352163   | 19.664 | nq    | 98       |
| 90) Benzo(a)pyrene             | 24.93 | 252  | 346299   | 20.056 | nq    | 95       |
| 91) Dibenzo(a,h)anthracene     | 28.98 | 278  | 334564   | 19.391 | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 30.12 | 276  | 340326   | 20.304 | nq    | # 97     |

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