

#1

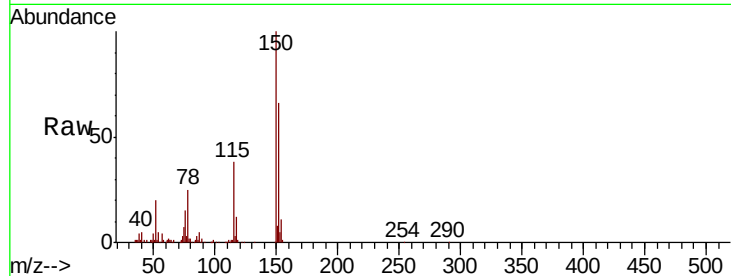
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.96 min Scan# 829  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.6 | 127.0 | 190.4 |
| 115     | 56.5  | 47.8  | 71.8  |

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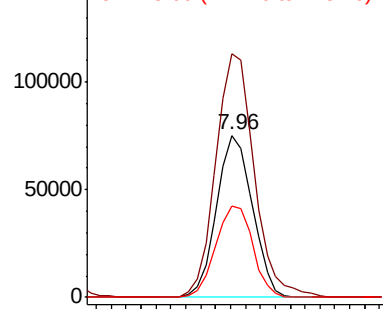


Abundance

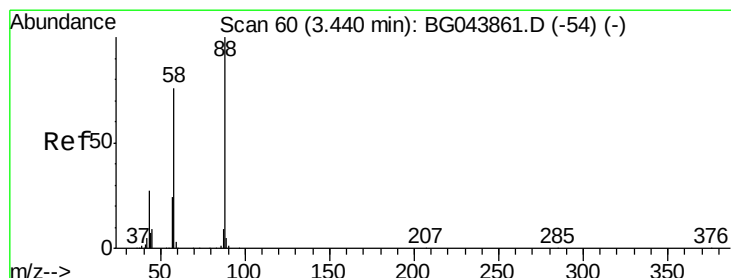
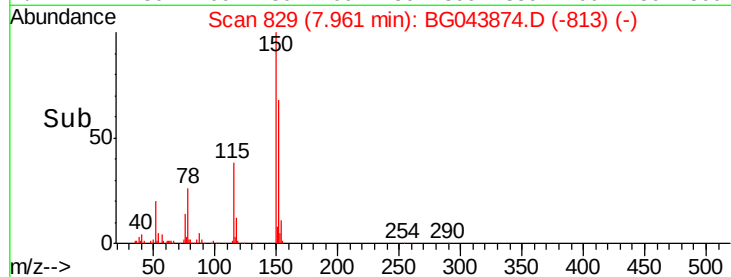
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



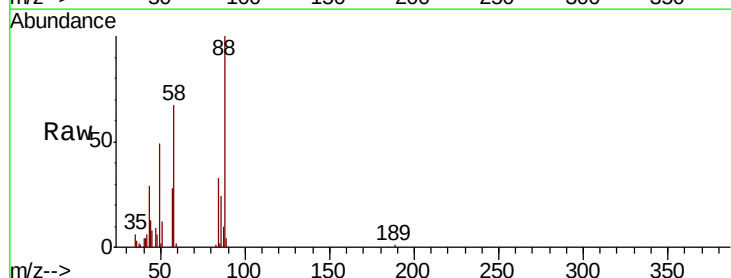
Time-->



#2

1,4-Dioxane  
Concen: 7.723 ng  
RT: 3.44 min Scan# 59  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 70.9  | 59.8  | 89.8  |
| 43      | 32.6  | 22.9  | 34.3  |

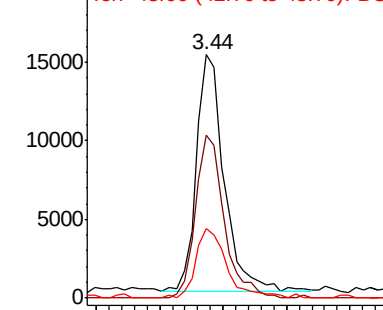


Abundance

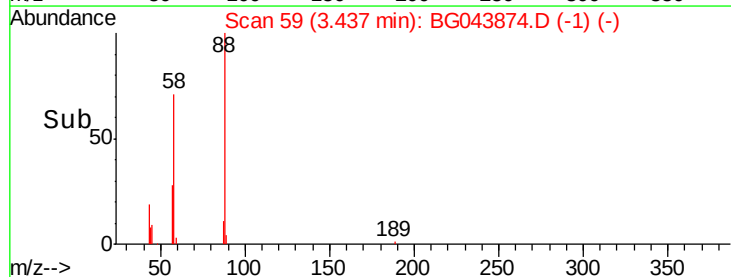
Ion 88.00 (87.70 to 88.70): BGC

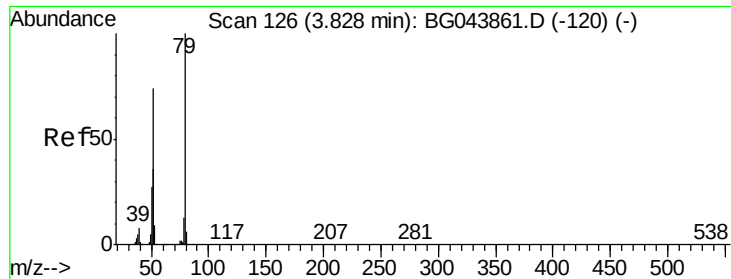
Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC



Time-->





#3

Pvridine

Concen: 6.610 ng

RT: 3.84 min Scan# 127

Delta R.T. 0.01 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

Instrument :

BNA\_G

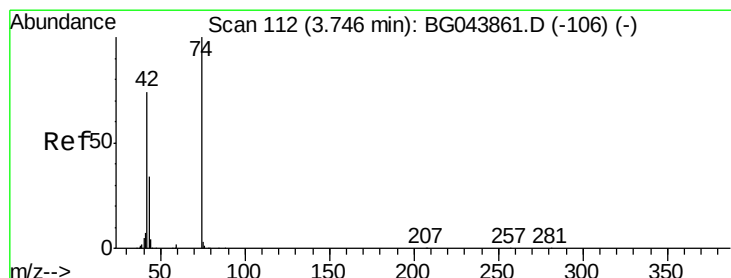
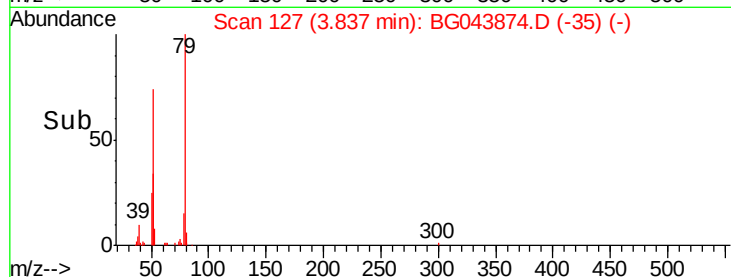
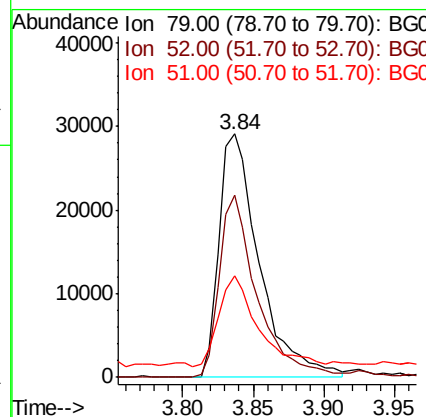
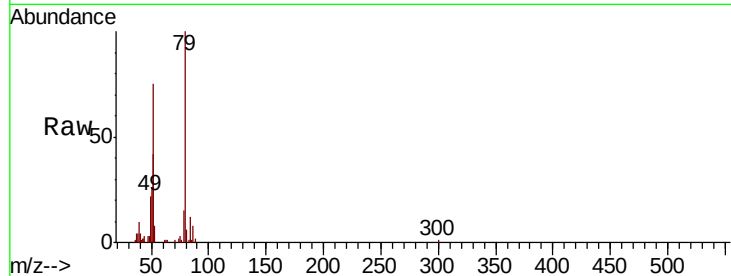
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 57739 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 74.9  | 58.9  | 88.3  |
| 51       | 41.9  | 28.6  | 43.0  |

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#4

n-Nitrosodimethylamine

Concen: 7.191 ng

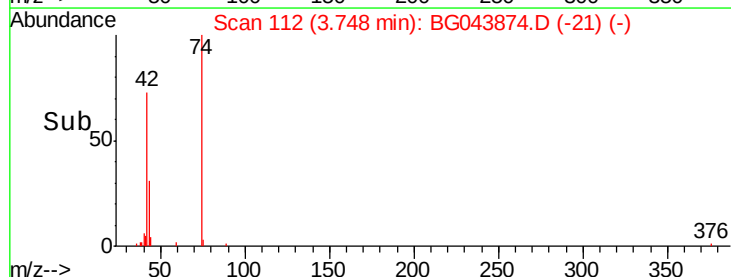
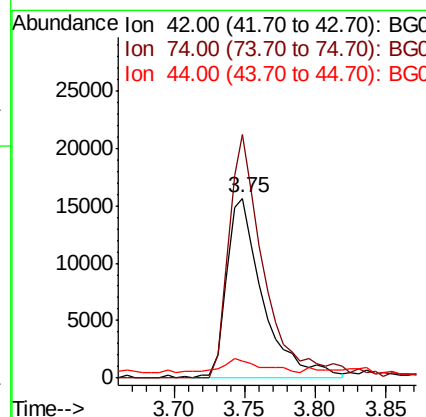
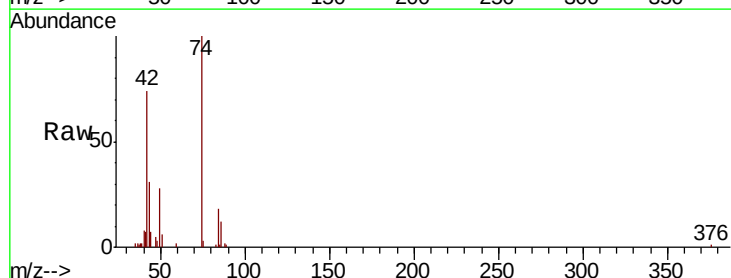
RT: 3.75 min Scan# 112

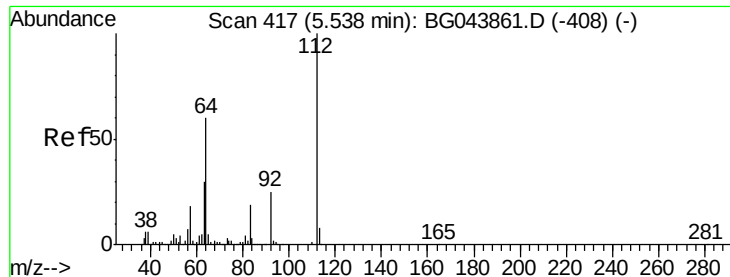
Delta R.T. 0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 27964 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 135.2 | 108.6 | 162.8 |
| 44       | 9.8   | 5.0   | 7.6#  |





#5

2-Fluorophenol

Concen: 138.793 ng

RT: 5.53 min Scan# 416

Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

Instrument :

BNA\_G

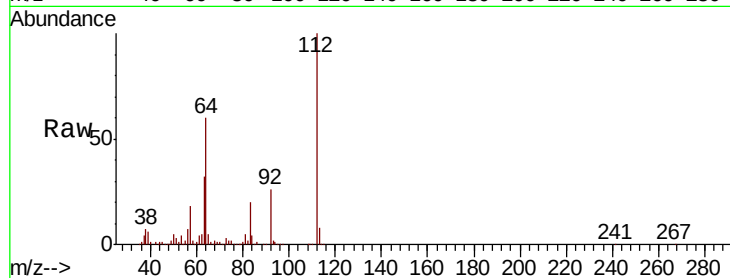
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

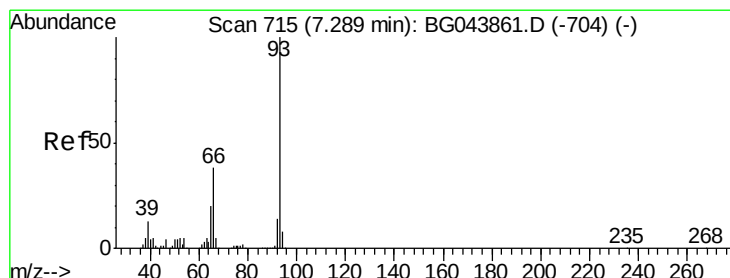
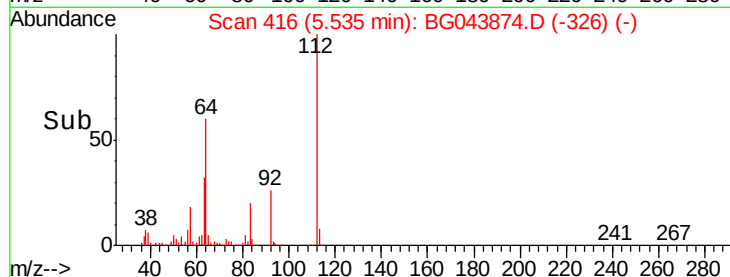
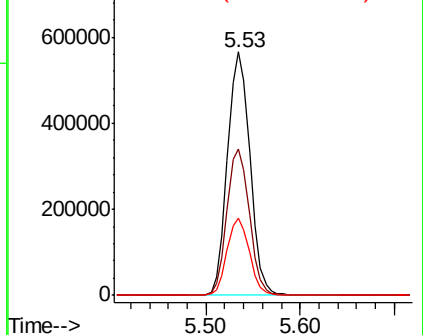
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 941178 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 60.3  | 47.8  | 71.6   |
| 63        | 31.6  | 24.3  | 36.5   |

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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: 7.648 ng

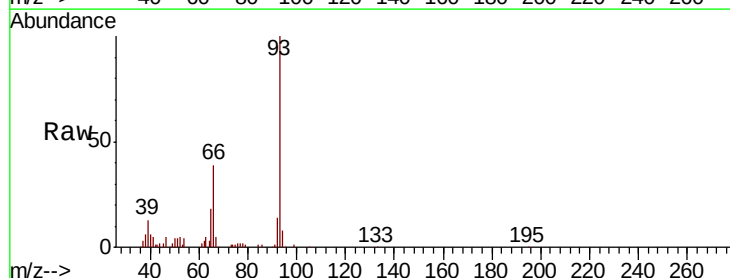
RT: 7.29 min Scan# 714

Delta R.T. -0.00 min

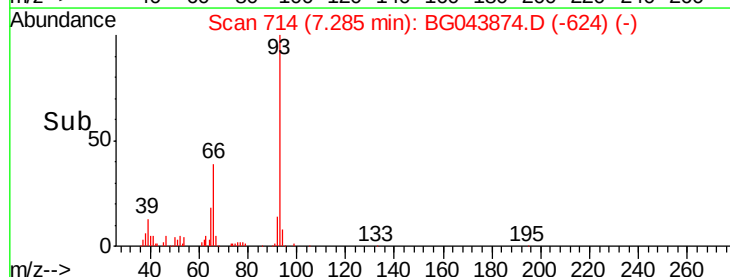
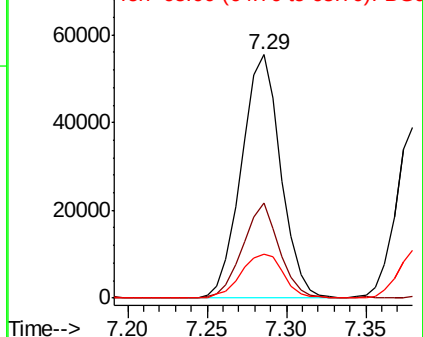
Lab File: BG043874.D

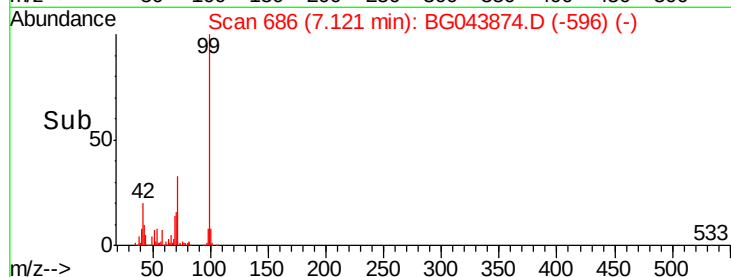
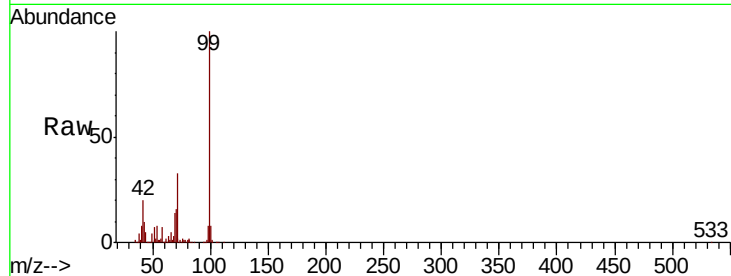
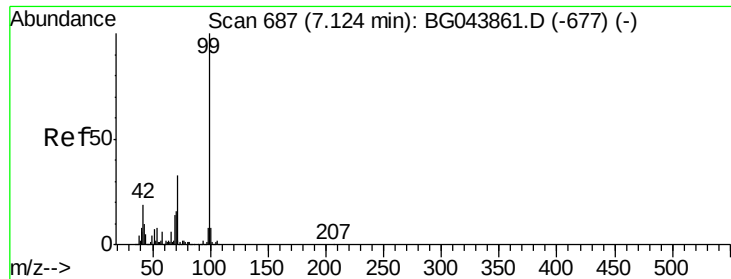
Acq: 2 Jan 2020 14:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 95220 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 39.0  | 30.8  | 46.2  |
| 65        | 18.1  | 16.0  | 24.0  |



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





#7

Phenol-d6

Concen: 137.948 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

Tot Ion: 99 Resp: 1307582

Ion Ratio Lower Upper

99 100

42 19.7 14.9 22.3

71 33.5 26.4 39.6

Instrument :

BNA\_G

ClientSampleId :

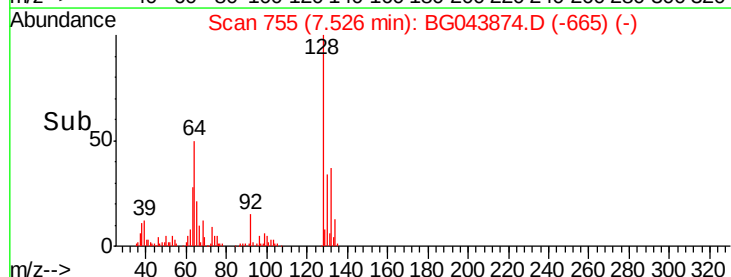
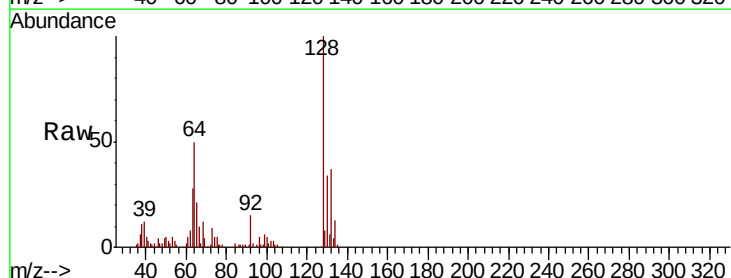
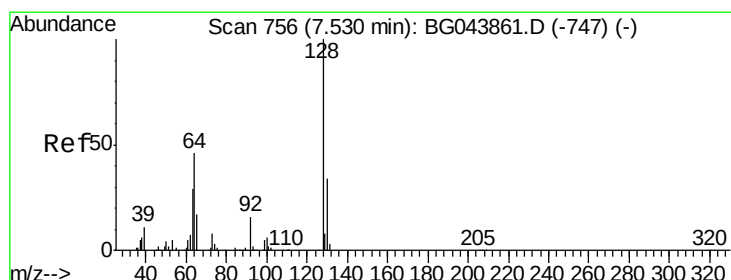
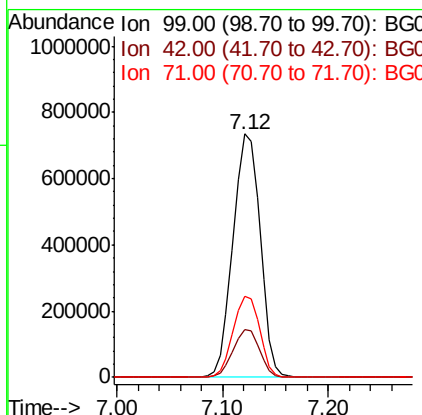
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#8

2-Chlorophenol

Concen: 7.737 ng

RT: 7.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

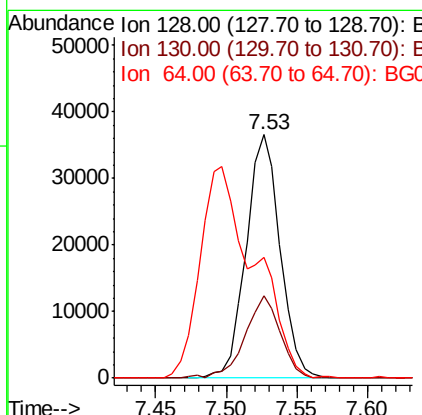
Tgt Ion:128 Resp: 61597

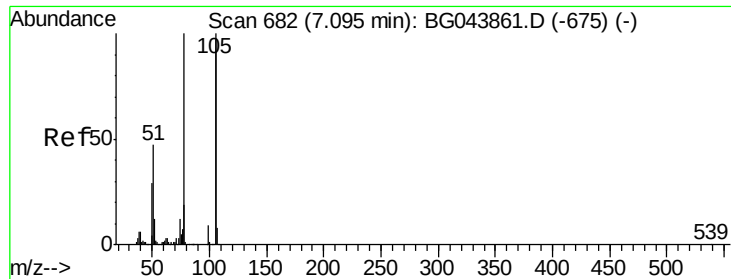
Ion Ratio Lower Upper

128 100

130 33.9 13.8 53.8

64 49.7 27.6 67.6





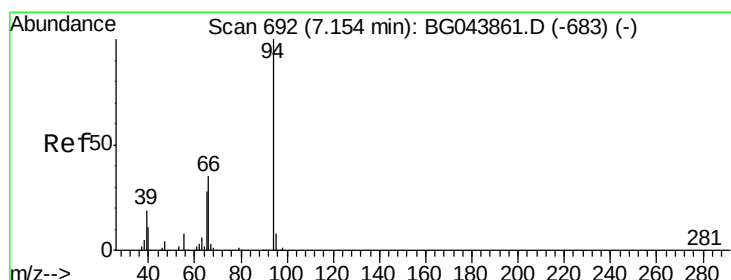
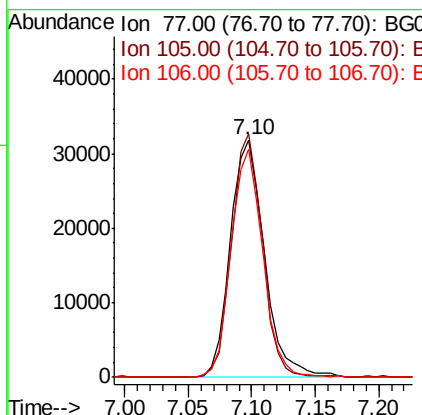
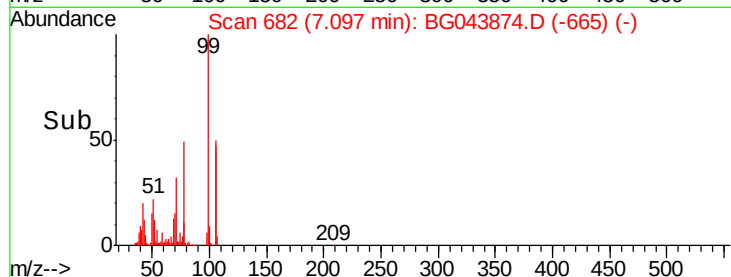
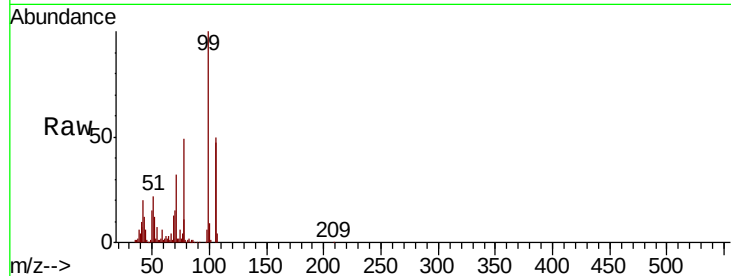
#9  
Benzaldehyde  
Concen: 9.763 ng  
RT: 7.10 min Scan# 682  
Delta R.T. 0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 102.5 | 80.2  | 120.2 |
| 106     | 95.9  | 77.2  | 117.2 |

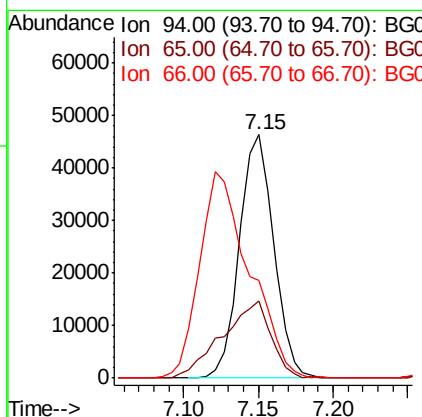
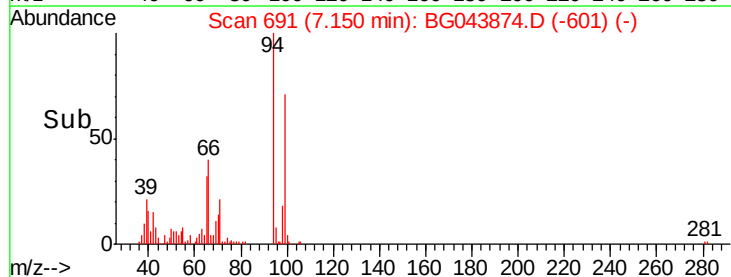
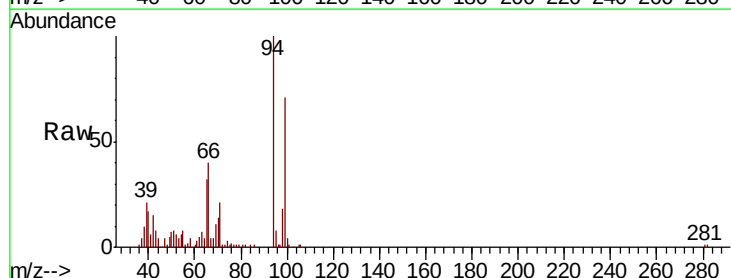
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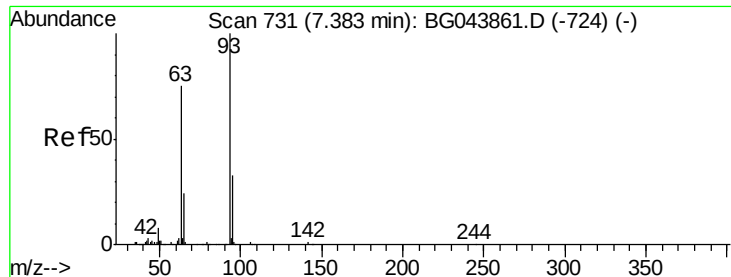
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#10  
Phenol  
Concen: 7.561 ng  
RT: 7.15 min Scan# 691  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 31.9  | 8.1   | 48.1  |
| 66      | 39.9  | 15.6  | 55.6  |





#11

bis(2-Chloroethyl)ether

Concen: 7.633 ng

RT: 7.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

Instrument :

BNA\_G

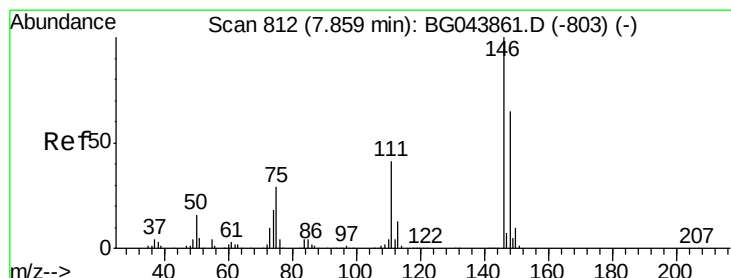
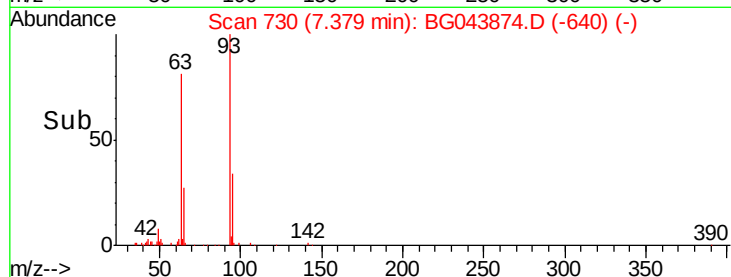
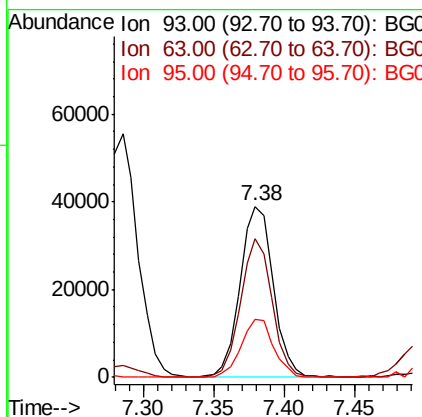
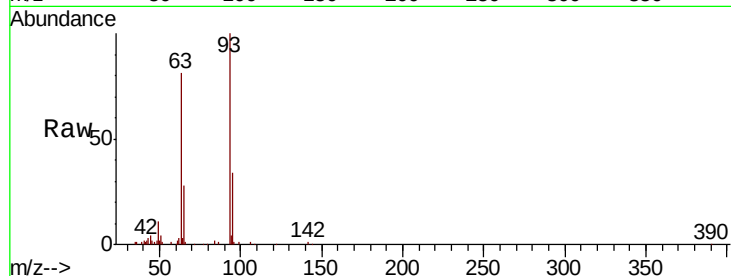
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 93    | Resp: | 64350 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 81.4  | 55.0  | 95.0  |
| 95       | 34.0  | 13.3  | 53.3  |

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#12

1,3-Dichlorobenzene

Concen: 7.693 ng

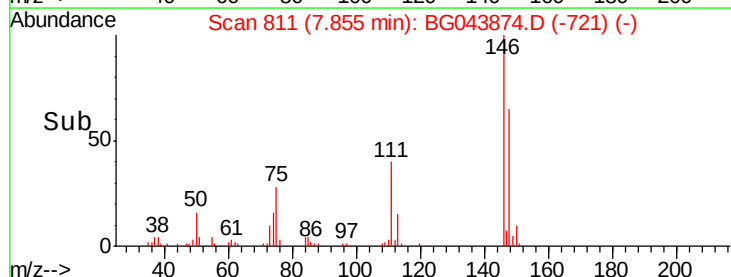
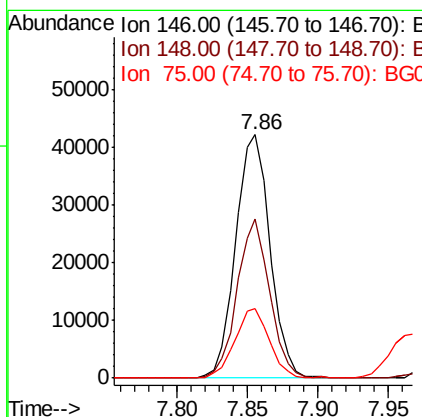
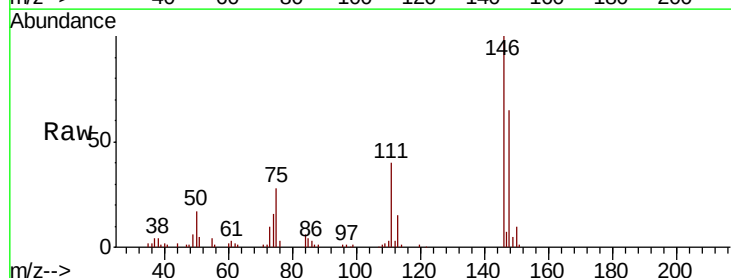
RT: 7.86 min Scan# 811

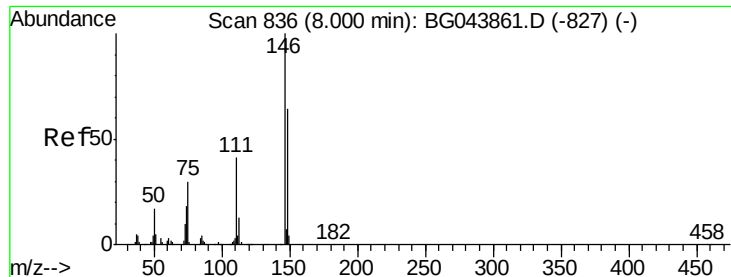
Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 71666 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 148      | 65.3  | 52.1  | 78.1  |
| 75       | 28.5  | 23.0  | 34.4  |





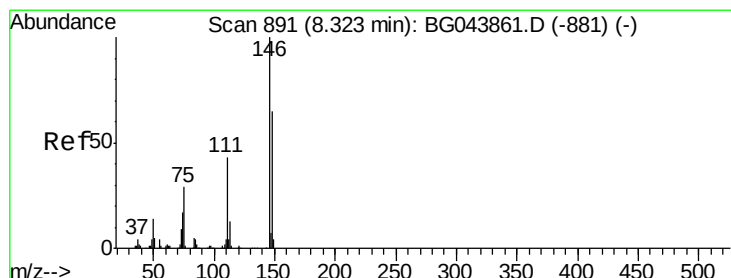
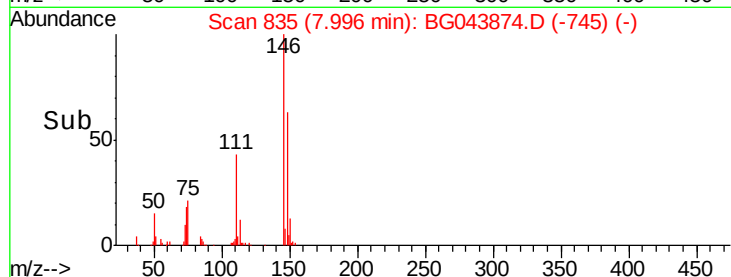
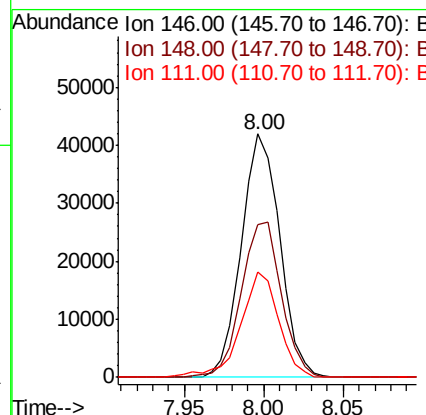
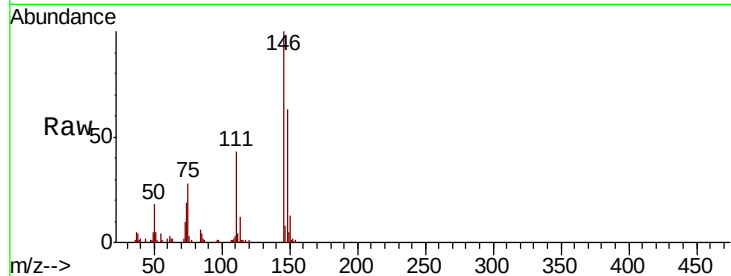
#13  
 1,4-Dichlorobenzene  
 Concen: 7.694 ng  
 RT: 8.00 min Scan# 835  
 Delta R.T. -0.00 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.6  | 51.2  | 76.8  |
| 111     | 43.1  | 33.1  | 49.7  |

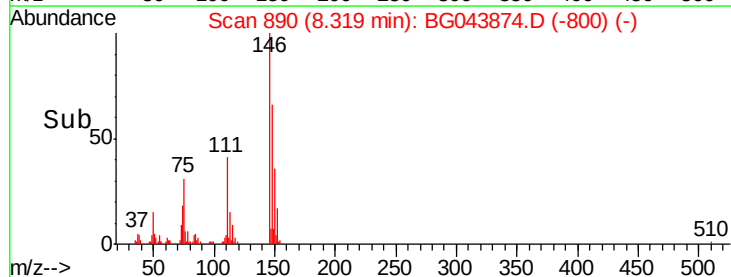
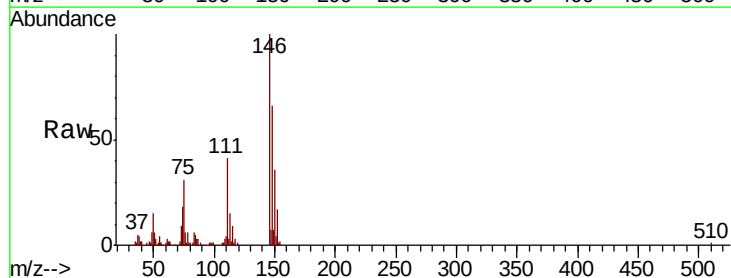
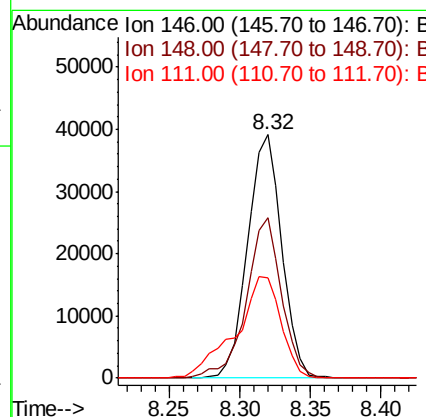
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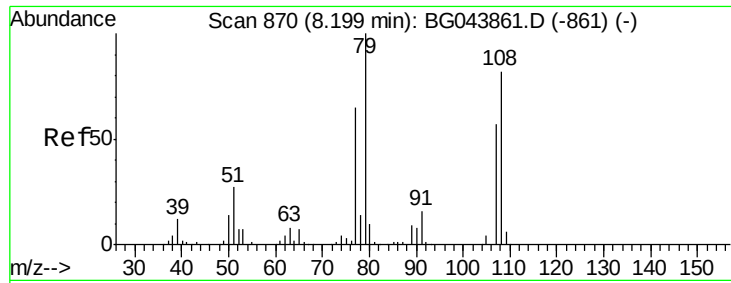


#14  
 1,2-Dichlorobenzene  
 Concen: 7.508 ng  
 RT: 8.32 min Scan# 890  
 Delta R.T. -0.00 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.8  | 51.7  | 77.5  |
| 111     | 40.9  | 34.4  | 51.6  |







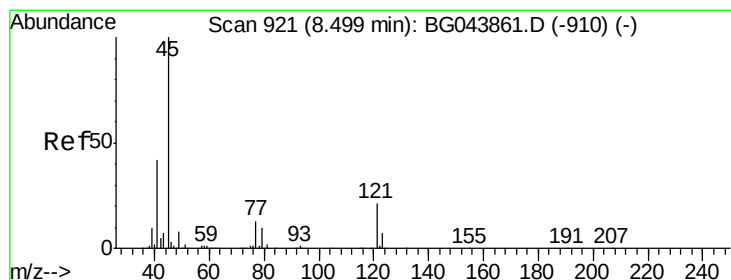
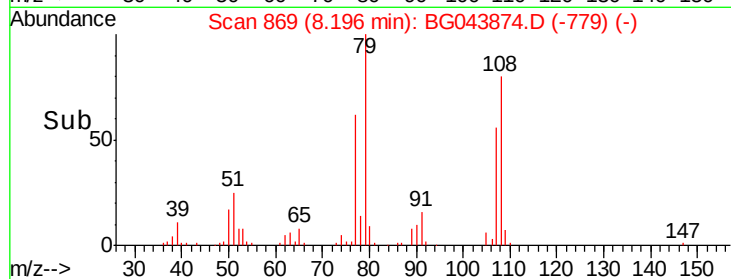
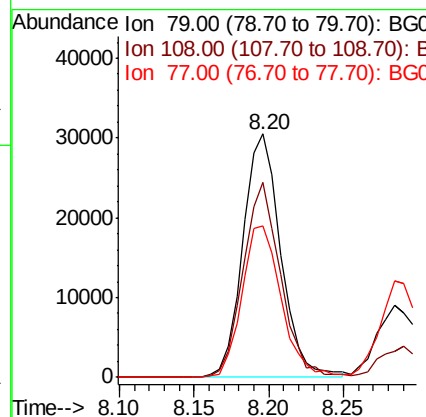
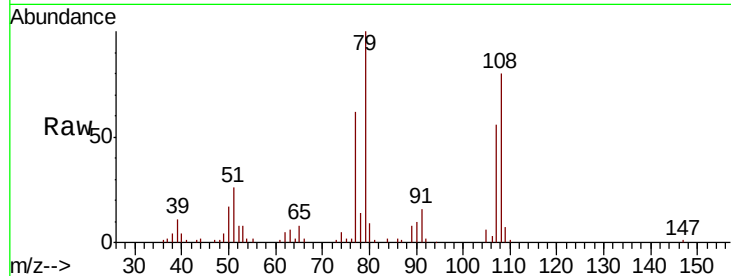
#15  
Benzyl Alcohol  
Concen: 7.140 ng  
RT: 8.20 min Scan# 869  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 80.1  | 65.6  | 98.4  |
| 77      | 62.0  | 52.0  | 78.0  |

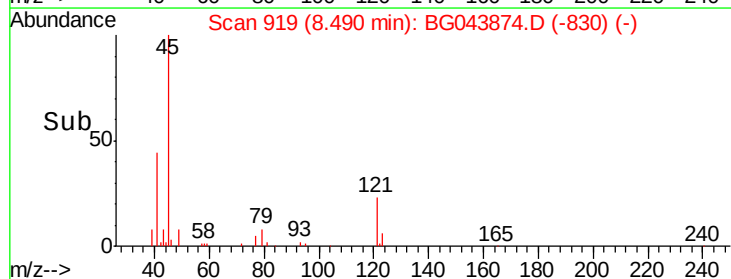
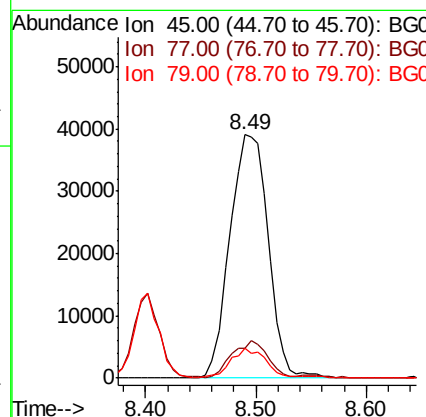
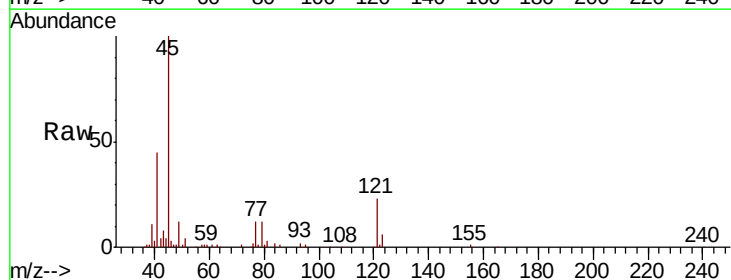
Manual Integrations  
APPROVED

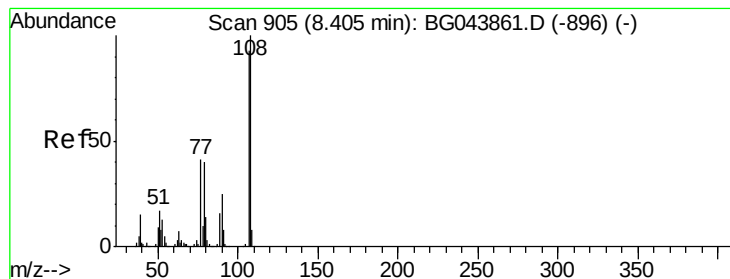
mohammad  
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 7.280 ng  
RT: 8.49 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 12.2  | 0.0   | 33.8  |
| 79      | 12.1  | 0.0   | 31.0  |





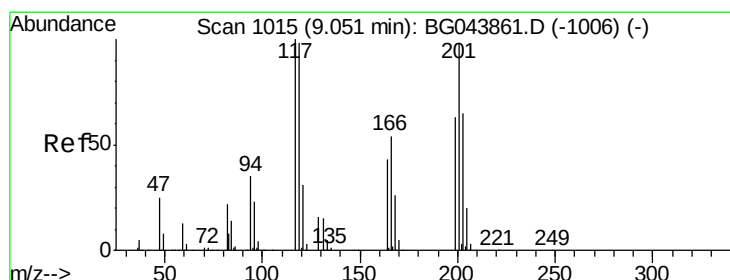
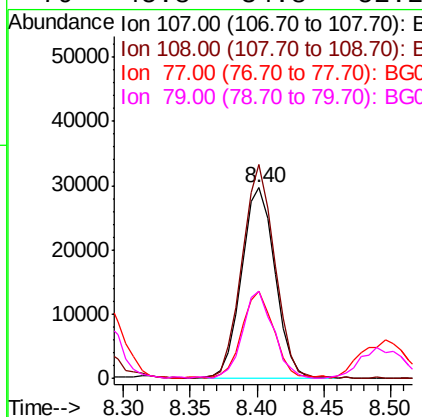
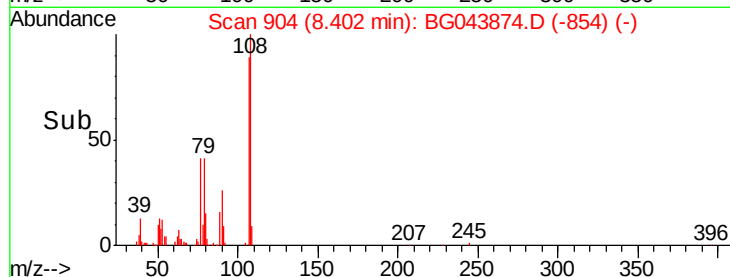
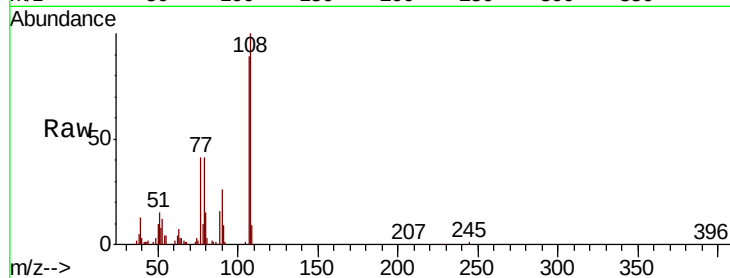
#17  
2-Methylphenol  
Concen: 7.288 ng  
RT: 8.40 min Scan# 904  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 112.0 | 86.1 | 129.1 |       |
| 77      | 45.7  | 35.4 | 53.0  |       |
| 79      | 45.8  | 34.8 | 52.2  |       |

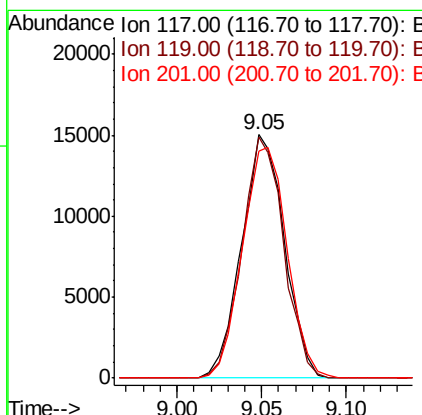
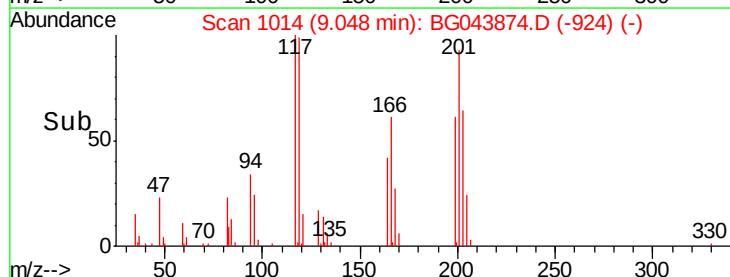
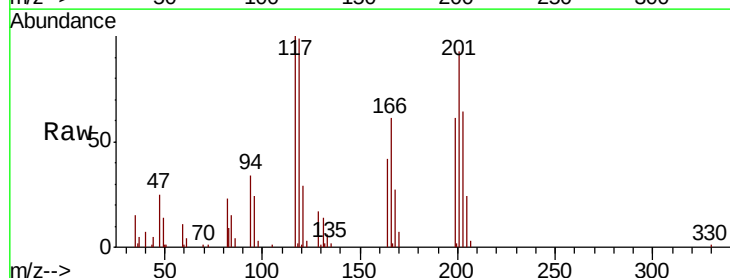
Manual Integrations  
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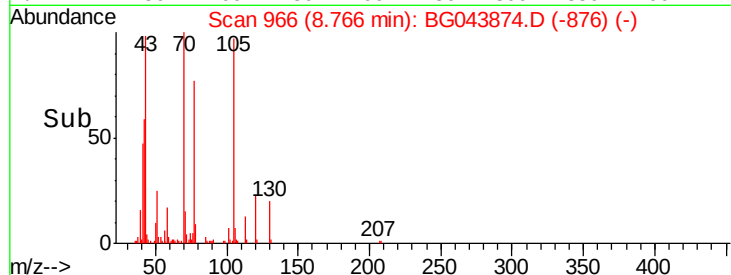
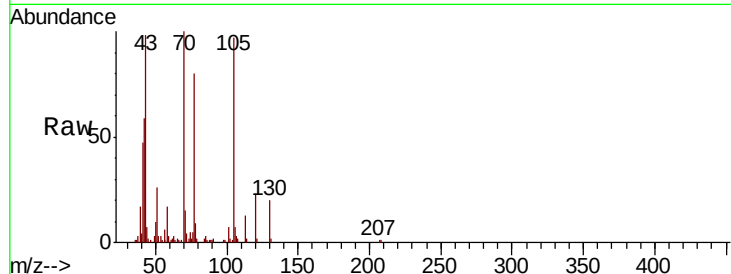
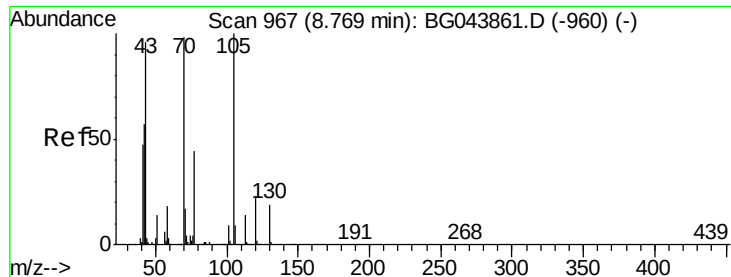
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#18  
Hexachloroethane  
Concen: 7.400 ng  
RT: 9.05 min Scan# 1014  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 99.2  | 78.1 | 117.1 |       |
| 201     | 93.3  | 78.6 | 117.8 |       |





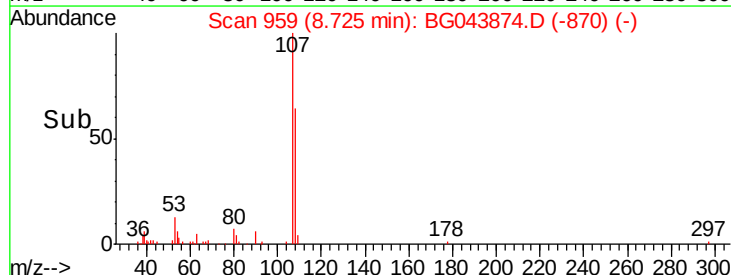
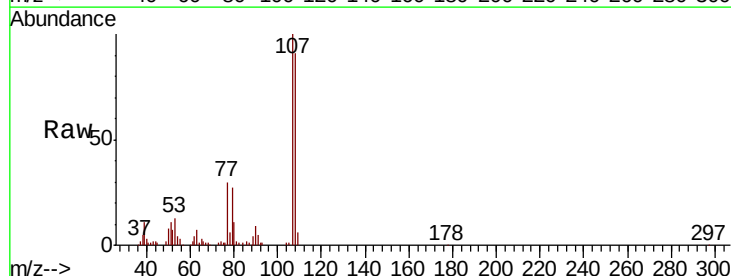
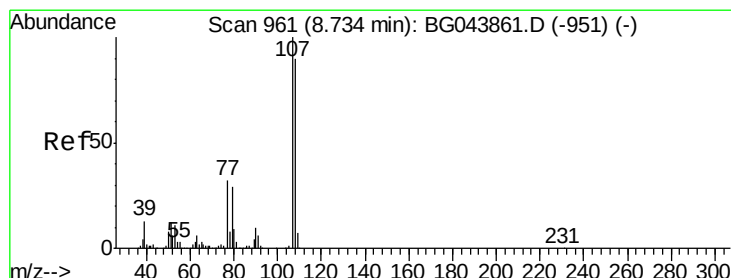
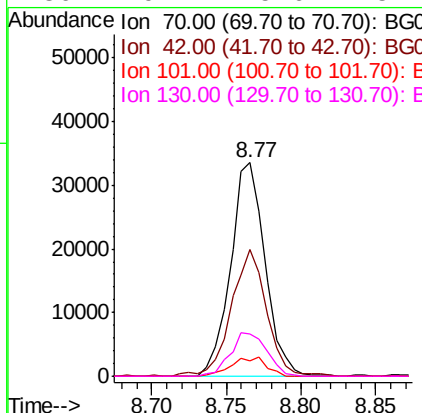
#19  
n-Nitroso-di-n-propylamine  
Concen: 7.664 ng  
RT: 8.77 min Scan# 966  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 59.3 | 47.0  | 70.4  |       |
| 101     | 7.3  | 7.2   | 10.8  |       |
| 130     | 19.7 | 15.6  | 23.4  |       |

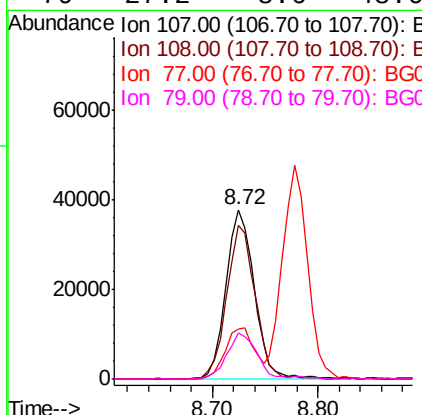
Manual Integrations  
APPROVED

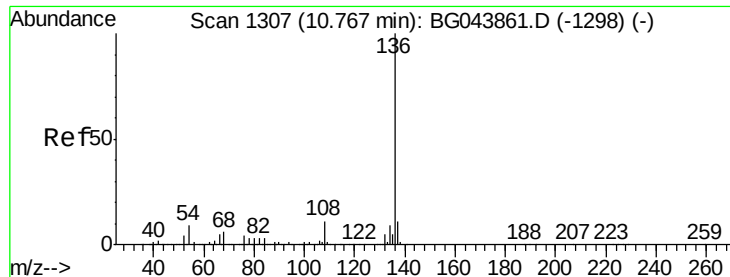
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#20  
3+4-Methylphenols  
Concen: 7.119 ng  
RT: 8.72 min Scan# 959  
Delta R.T. -0.01 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 90.6 | 70.3  | 110.3 |       |
| 77      | 29.7 | 12.4  | 52.4  |       |
| 79      | 27.2 | 8.6   | 48.6  |       |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.76 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

Instrument :

BNA\_G

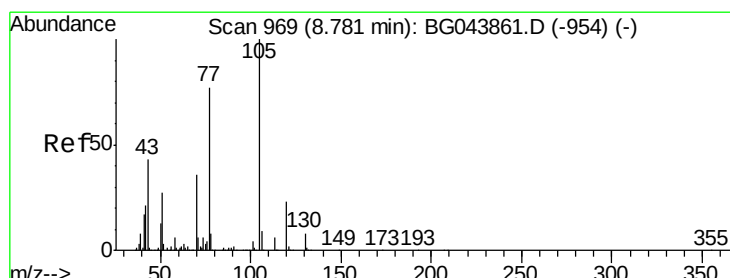
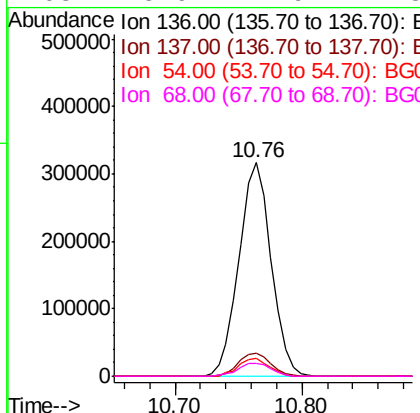
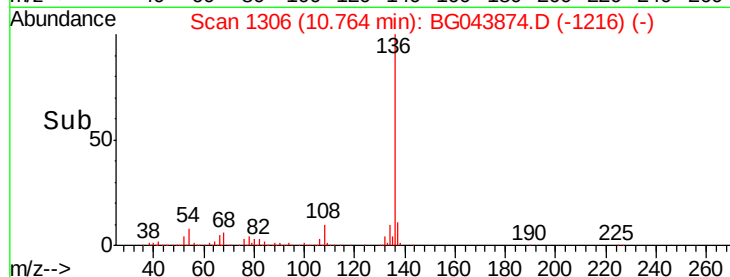
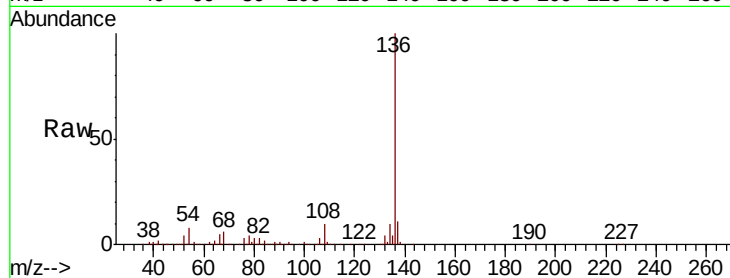
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.7  | 8.8  | 13.2  |       |
| 54      | 8.1   | 7.0  | 10.4  |       |
| 68      | 5.9   | 4.9  | 7.3   |       |

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#22

Acetophenone

Concen: 7.563 ng

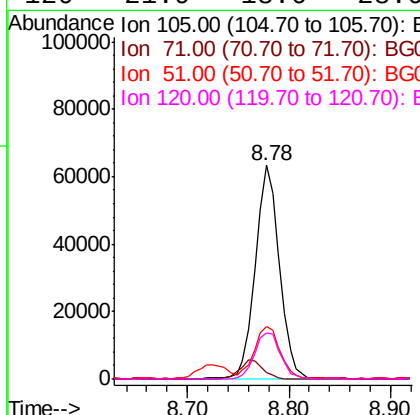
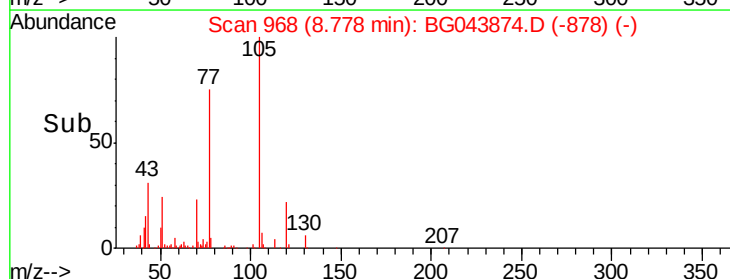
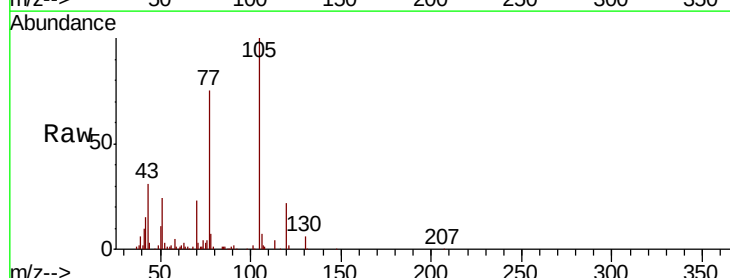
RT: 8.78 min Scan# 968

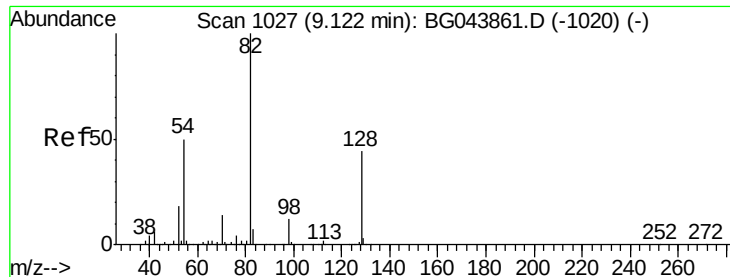
Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 3.3   | 4.8  | 7.2#  |       |
| 51      | 24.5  | 21.4 | 32.0  |       |
| 120     | 21.9  | 18.6 | 28.0  |       |





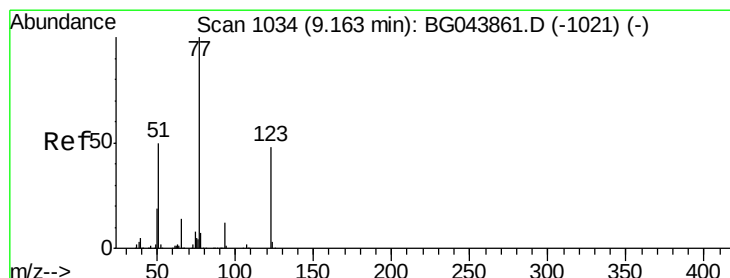
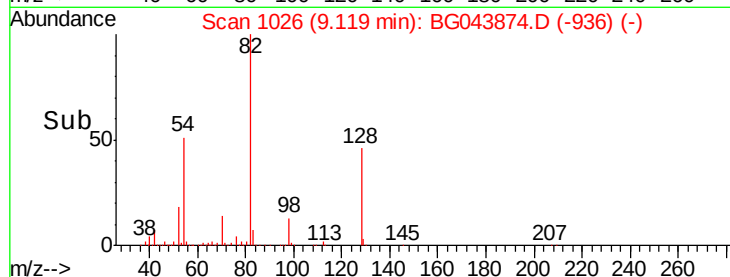
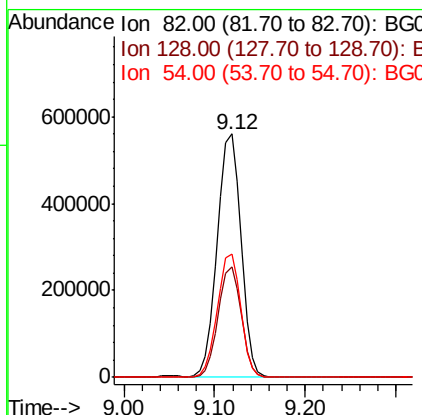
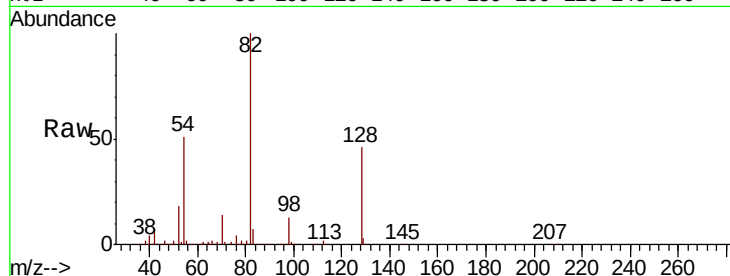
#23  
 Nitrobenzene-d5  
 Concen: 98.147 ng  
 RT: 9.12 min Scan# 1026  
 Delta R.T. -0.00 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2019

| Tot Ion   | 82    | Resp  | 1021397 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 82        | 100   |       |         |
| 128       | 45.6  | 35.1  | 52.7    |
| 54        | 50.6  | 40.1  | 60.1    |

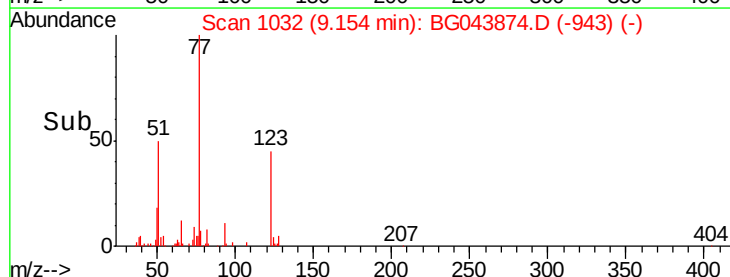
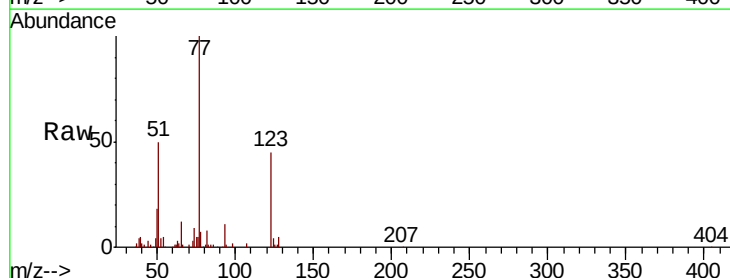
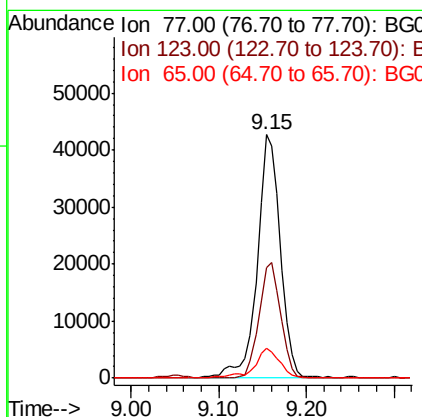
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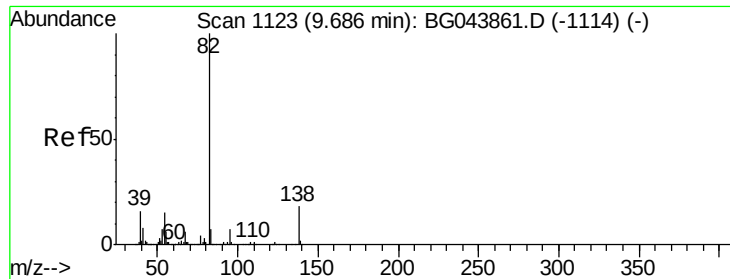
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#24  
 Nitrobenzene  
 Concen: 7.493 ng  
 RT: 9.15 min Scan# 1032  
 Delta R.T. -0.01 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

| Tgt Ion   | 77    | Resp  | 77231 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 123       | 45.3  | 38.7  | 58.1  |
| 65        | 12.0  | 11.1  | 16.7  |





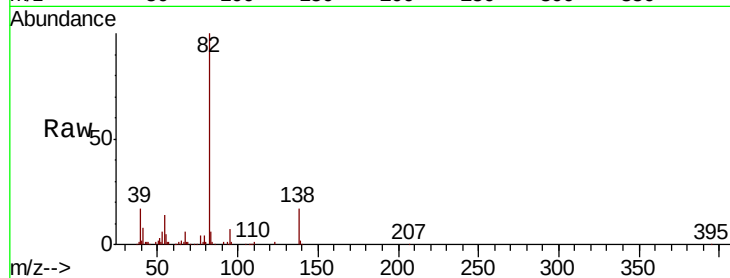
#25  
Isophorone  
Concen: 7.446 ng  
RT: 9.68 min Scan# 1122  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

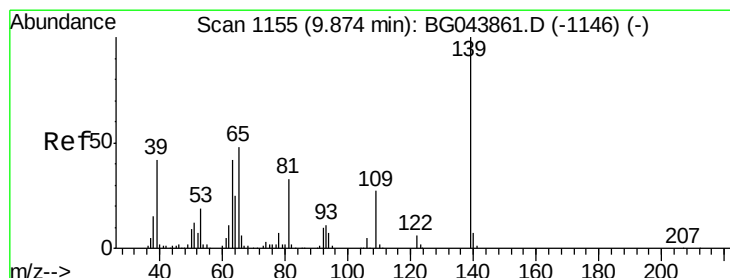
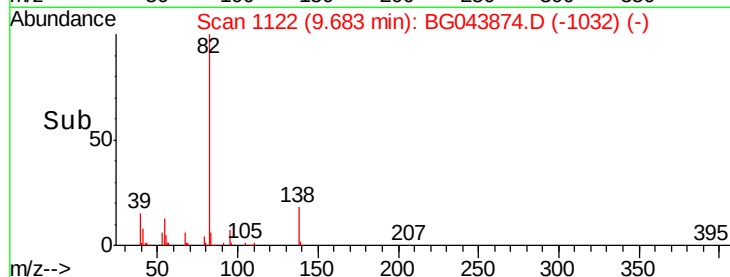
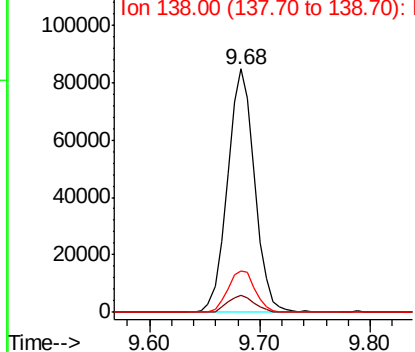
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 6.9   | 5.8   | 8.6   |
| 138     | 17.1  | 14.6  | 22.0  |

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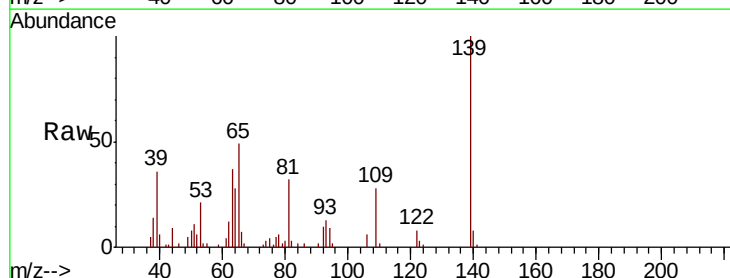


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC

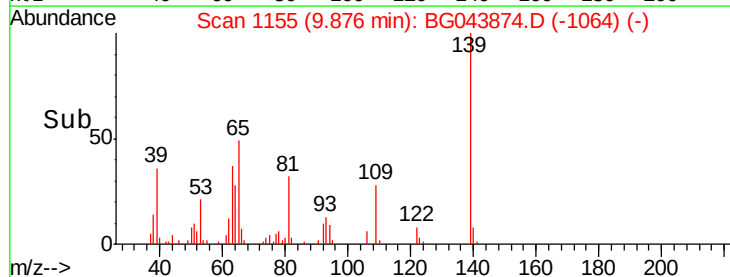
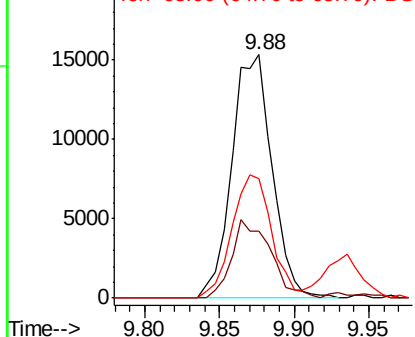


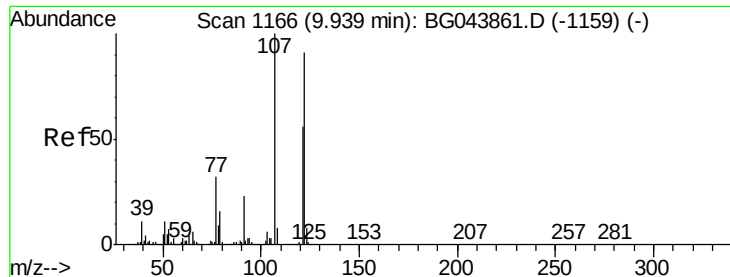
#26  
2-Nitrophenol  
Concen: 5.901 ng  
RT: 9.88 min Scan# 1155  
Delta R.T. 0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 27.5  | 21.3  | 31.9  |
| 65      | 48.9  | 38.6  | 57.8  |



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





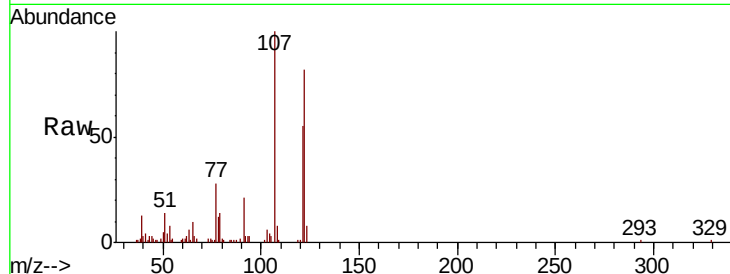
#27  
 2,4-Dimethylphenol  
 Concen: 5.686 ng  
 RT: 9.94 min Scan# 1165  
 Delta R.T. -0.00 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 41738 |       |       |
| 107     | 121.9 | 88.0  | 132.0 |       |
| 121     | 66.4  | 49.0  | 73.4  |       |

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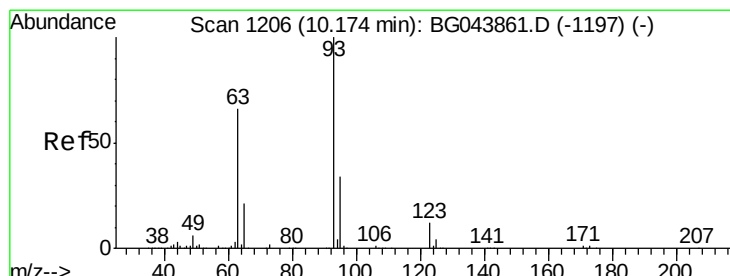
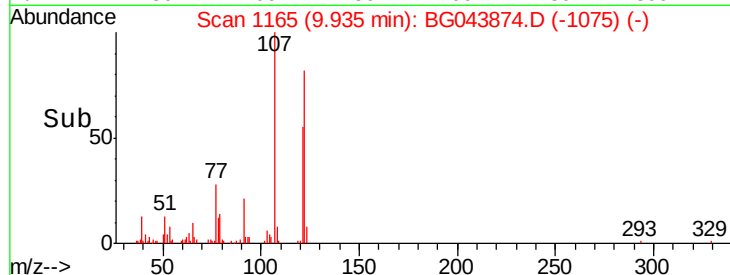
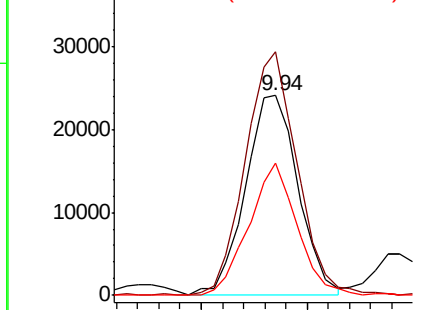


Abundance

Ion 122.00 (121.70 to 122.70): E

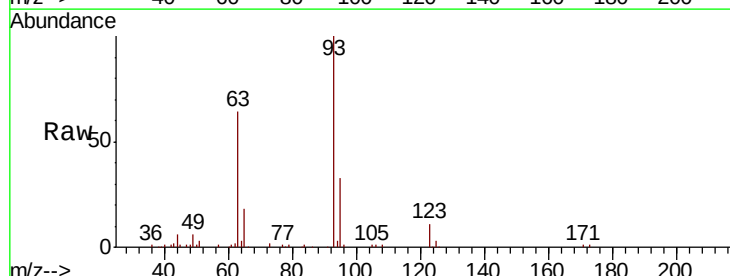
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 7.217 ng  
 RT: 10.17 min Scan# 1205  
 Delta R.T. -0.00 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 93      | 100   | 93941 |       |       |
| 95      | 33.1  | 27.2  | 40.8  |       |
| 123     | 10.9  | 9.7   | 14.5  |       |

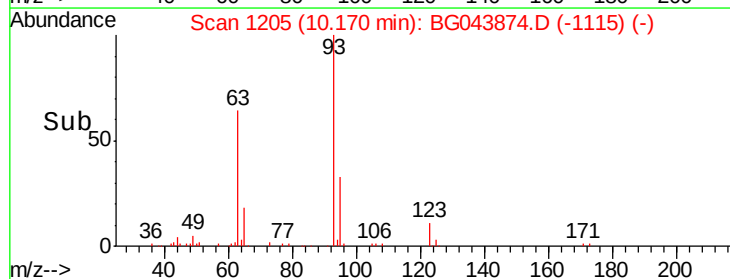
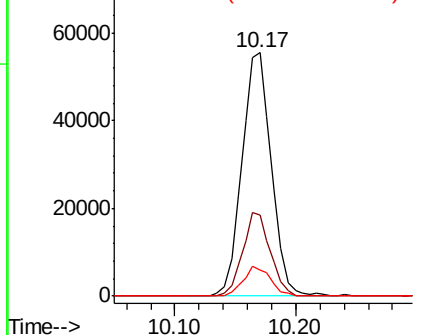


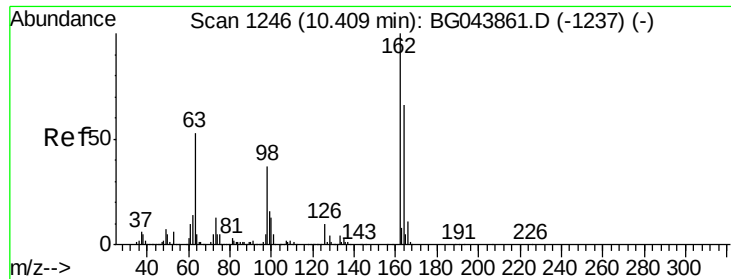
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





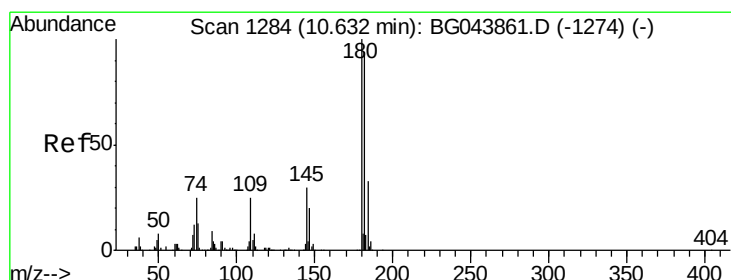
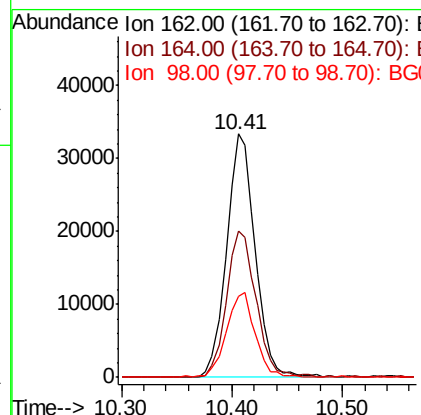
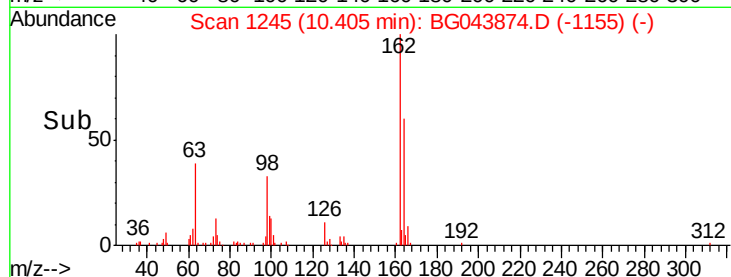
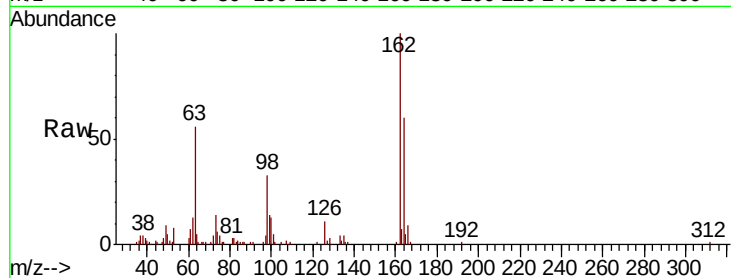
#29  
2,4-Dichlorophenol  
Concen: 6.868 ng  
RT: 10.41 min Scan# 1245  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 60.3  | 46.3  | 86.3  |
| 98      | 33.1  | 17.3  | 57.3  |

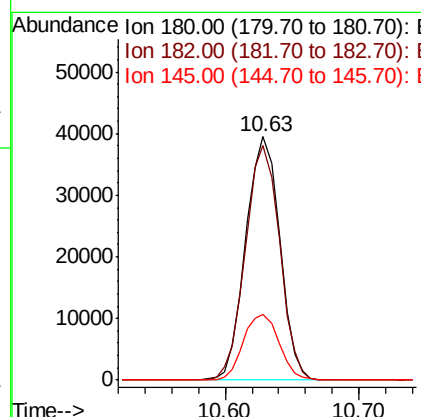
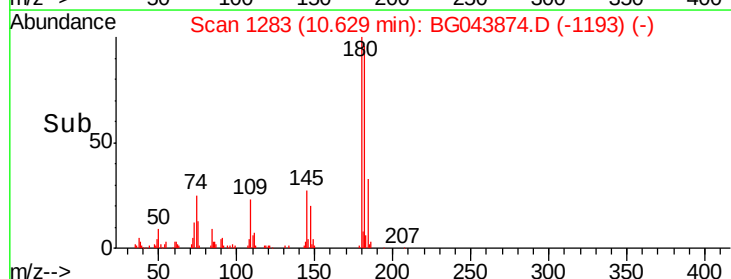
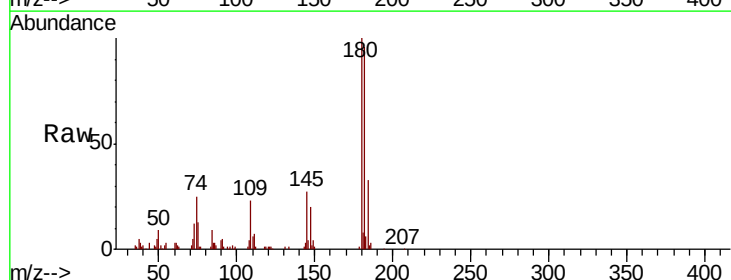
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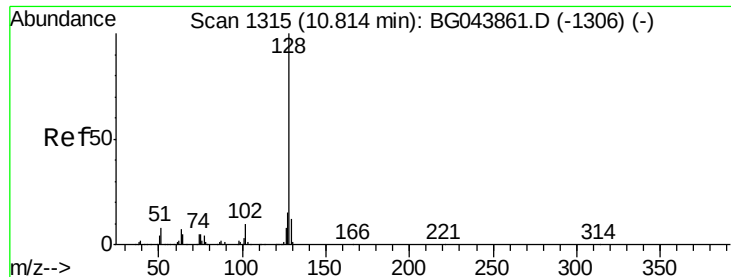


#30  
1,2,4-Trichlorobenzene  
Concen: 7.103 ng  
RT: 10.63 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.4  | 75.0  | 112.4 |
| 145     | 27.2  | 24.2  | 36.4  |







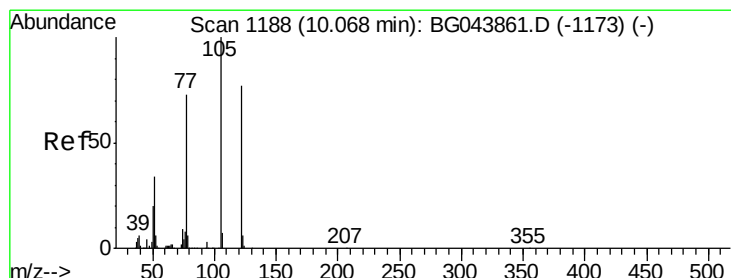
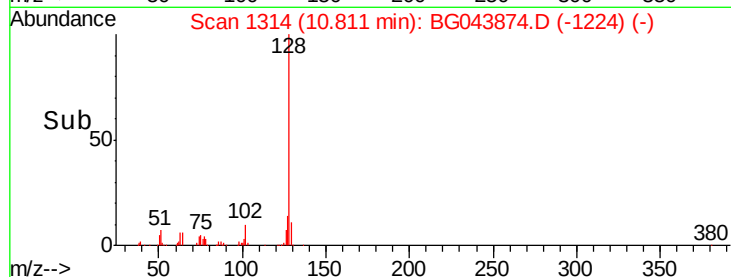
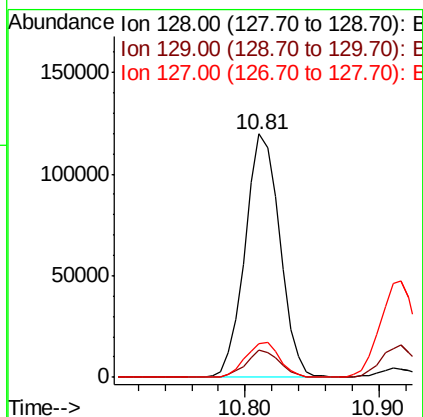
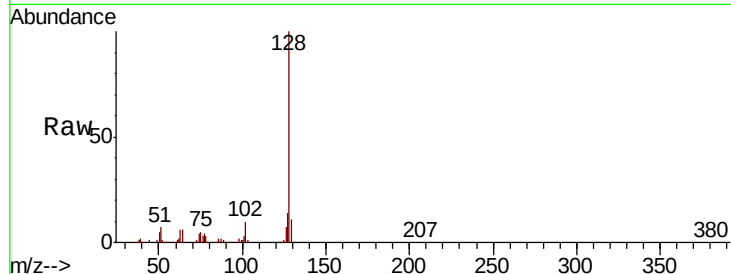
#31  
Naphthalene  
Concen: 7.968 ng  
RT: 10.81 min Scan# 1314  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.1  | 9.8   | 14.6  |
| 127     | 13.7  | 12.0  | 18.0  |

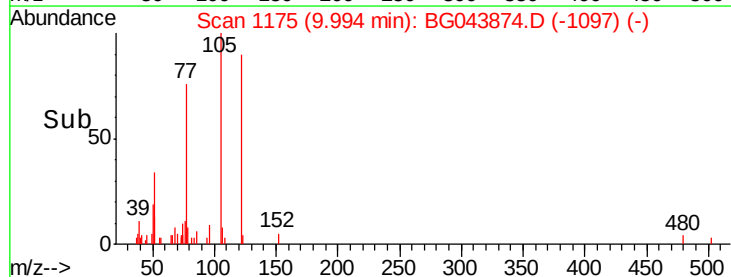
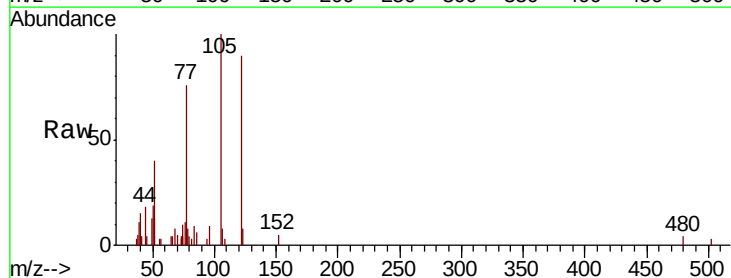
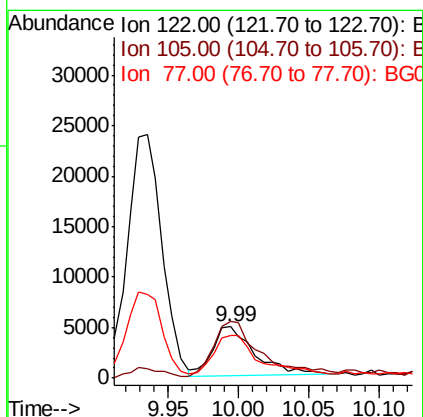
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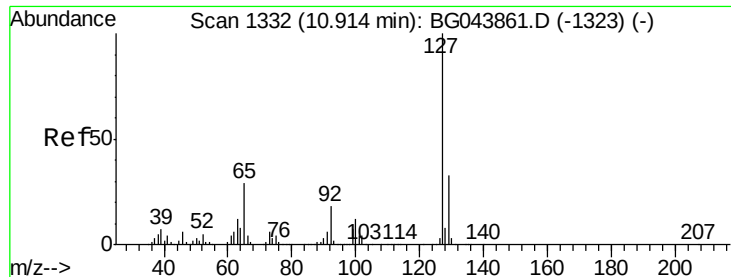
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#32  
Benzoic acid  
Concen: 1.826 ng  
RT: 9.99 min Scan# 1175  
Delta R.T. -0.07 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 110.7 | 106.4 | 146.4 |
| 77      | 84.1  | 74.6  | 114.6 |





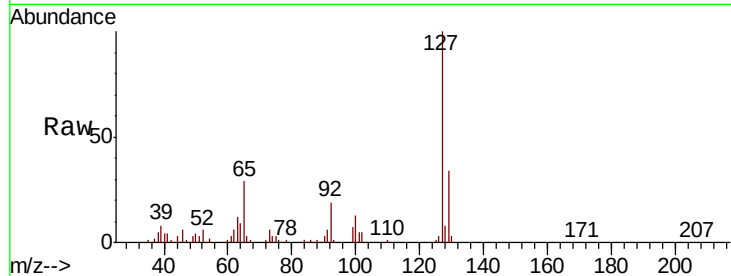
#33  
4-Chloroaniline  
Concen: 6.953 ng  
RT: 10.92 min Scan# 1332  
Delta R.T. 0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

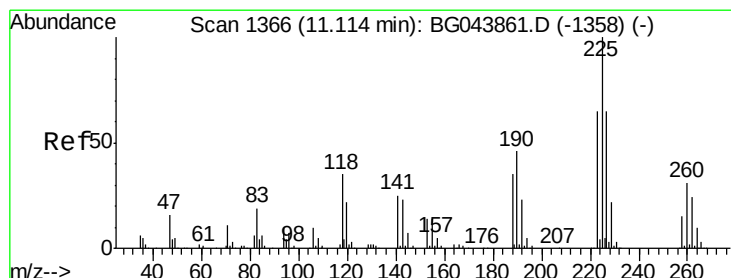
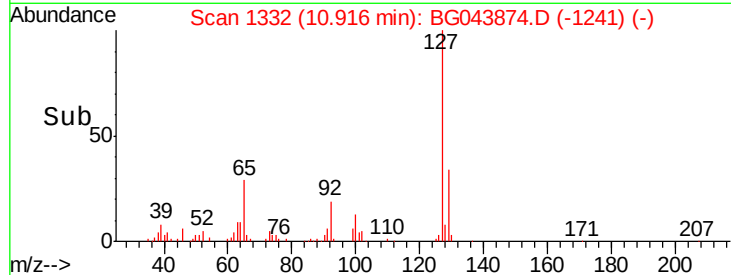
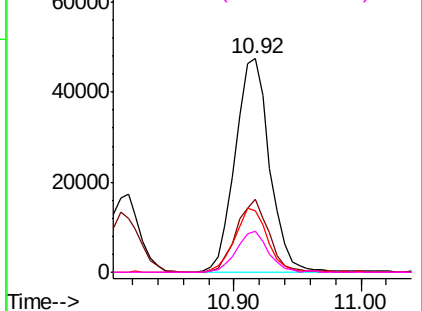
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 34.2  | 26.6  | 40.0  |
| 65      | 28.9  | 23.3  | 34.9  |
| 92      | 19.5  | 14.7  | 22.1  |

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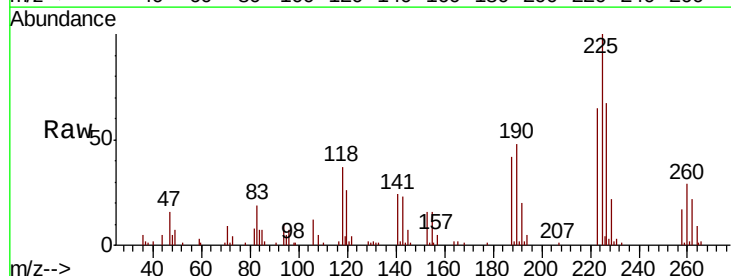


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

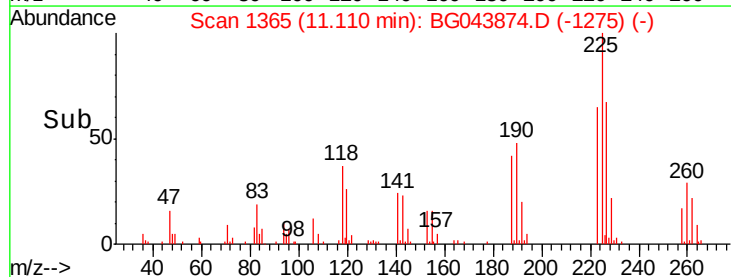
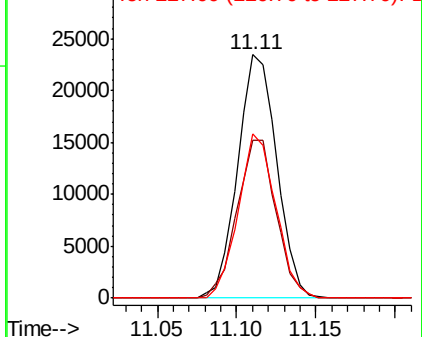


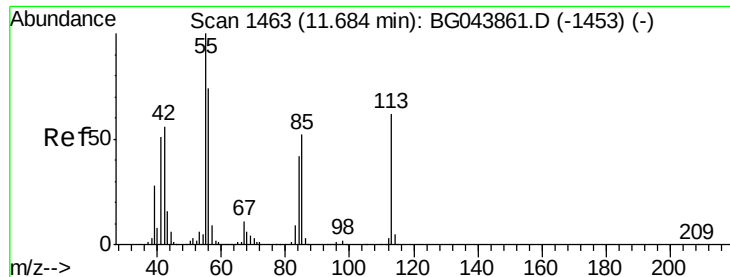
#34  
Hexachlorobutadiene  
Concen: 6.688 ng  
RT: 11.11 min Scan# 1365  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.8  | 52.2  | 78.4  |
| 227     | 70.4  | 52.1  | 78.1  |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 6.776 ng

RT: 11.65 min Scan# 1457

Delta R.T. -0.03 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:113 Resp: 22086

Ion Ratio Lower Upper

113 100

55 167.8 142.5 182.5

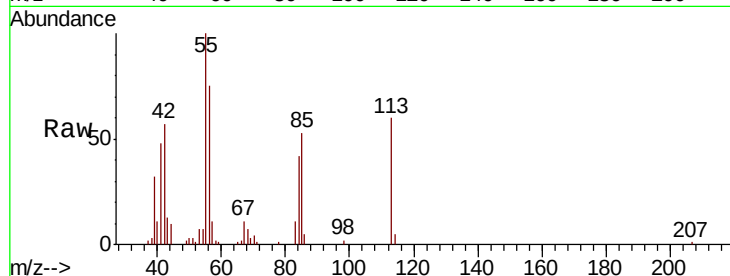
56 126.4 101.4 141.4

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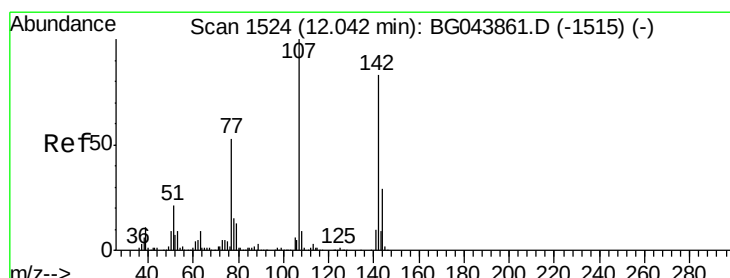
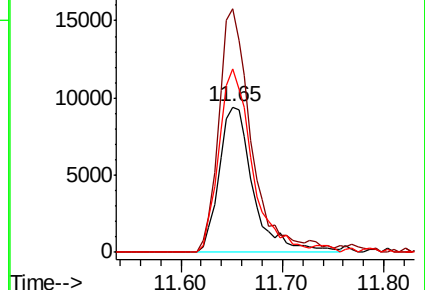
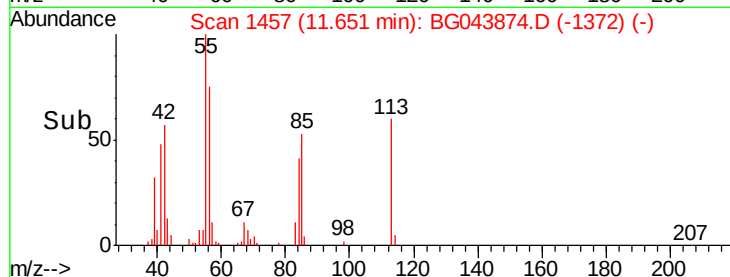
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 6.906 ng

RT: 12.04 min Scan# 1523

Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

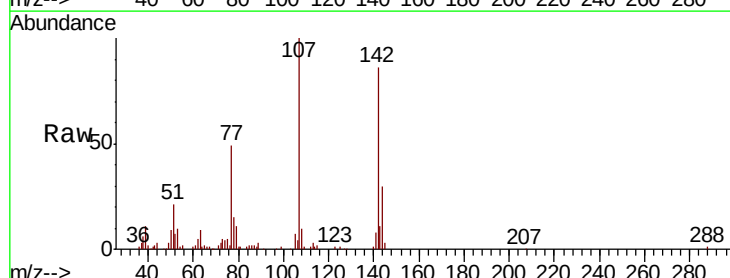
Tgt Ion:107 Resp: 64369

Ion Ratio Lower Upper

107 100

144 30.4 23.4 35.2

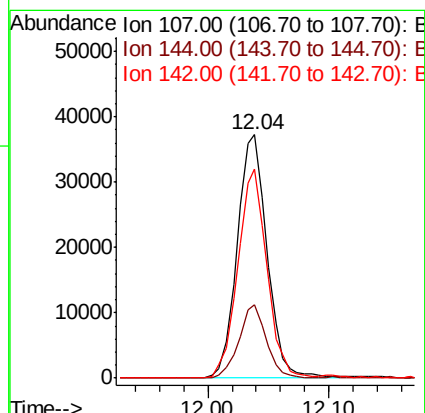
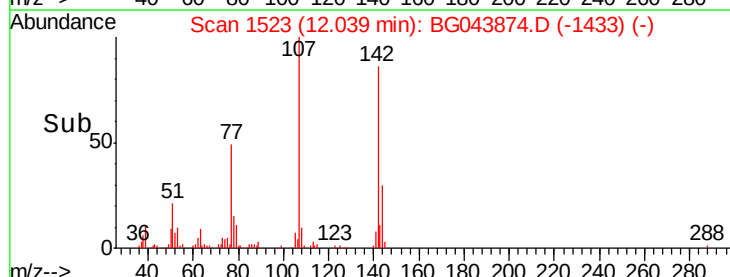
142 85.6 66.3 99.5

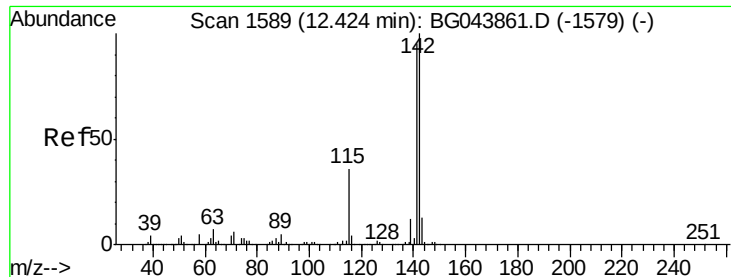


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





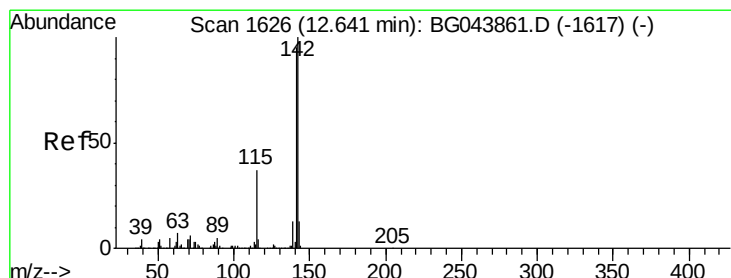
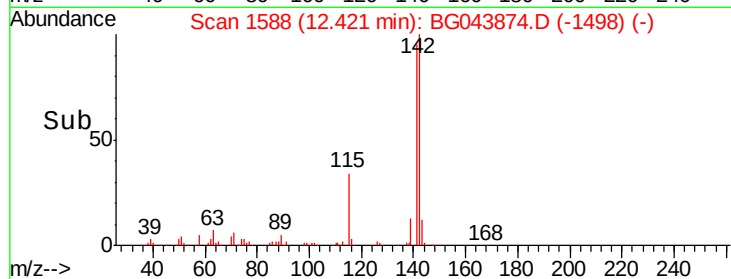
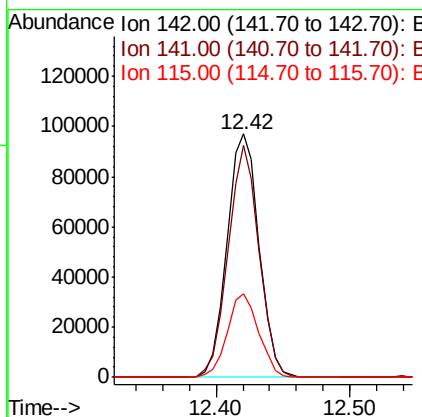
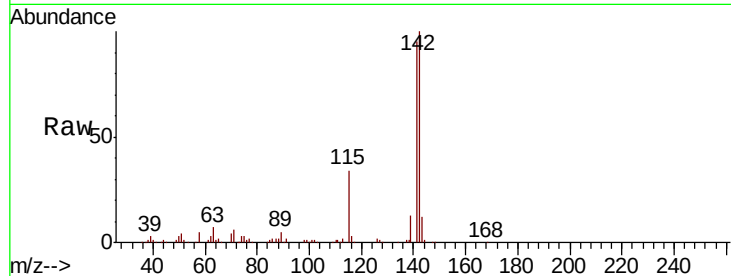
#37  
2-Methylnaphthalene  
Concen: 8.015 ng  
RT: 12.42 min Scan# 1588  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 95.1  | 75.8  | 113.8 |
| 115     | 34.1  | 28.6  | 42.8  |

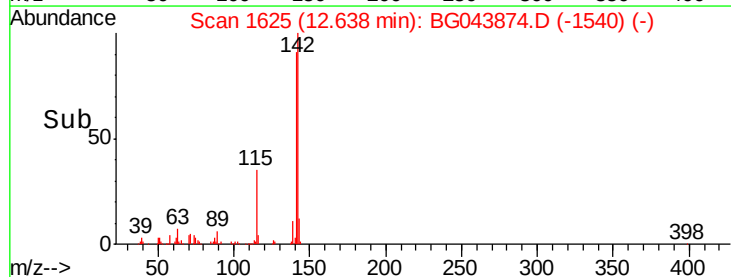
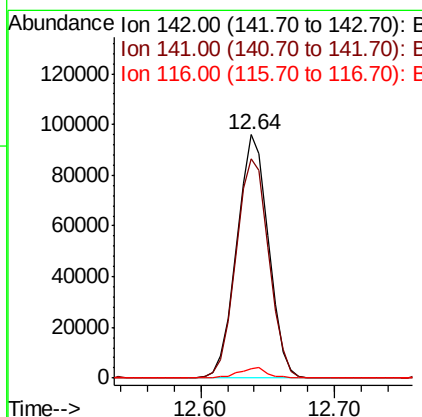
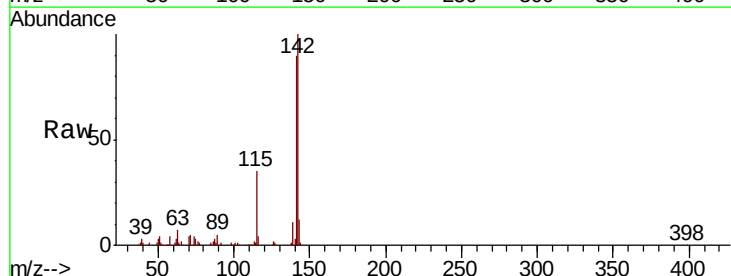
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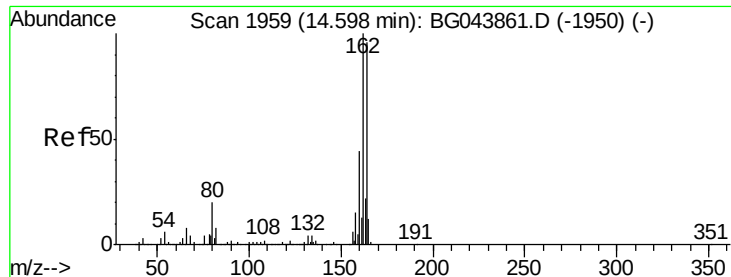
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#38  
1-Methylnaphthalene  
Concen: 8.181 ng  
RT: 12.64 min Scan# 1625  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.3  | 76.0  | 114.0 |
| 116     | 3.8   | 3.1   | 4.7   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

Instrument :

BNA\_G

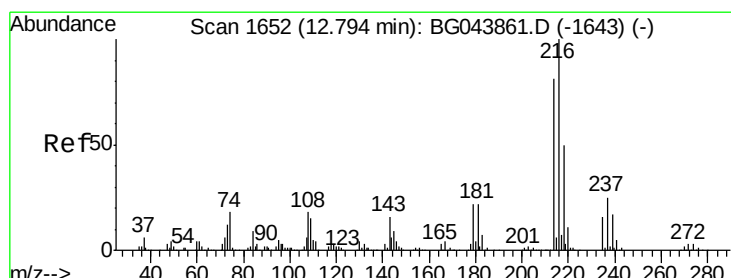
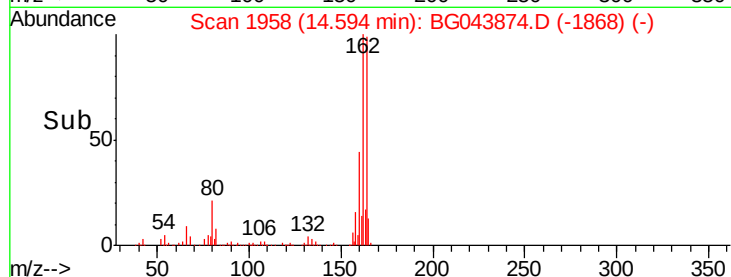
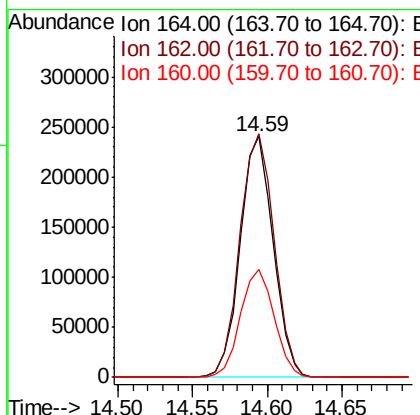
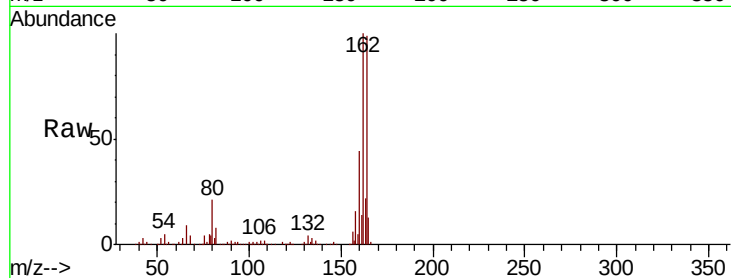
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 368771 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.0 | 83.0  | 124.4  |
| 160       | 44.9  | 36.1  | 54.1   |

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.369 ng

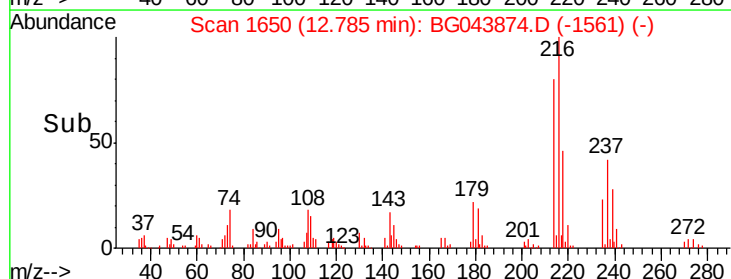
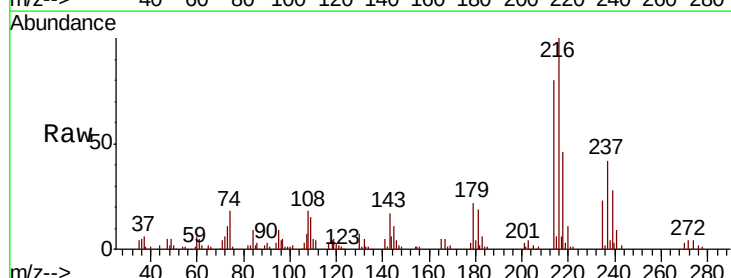
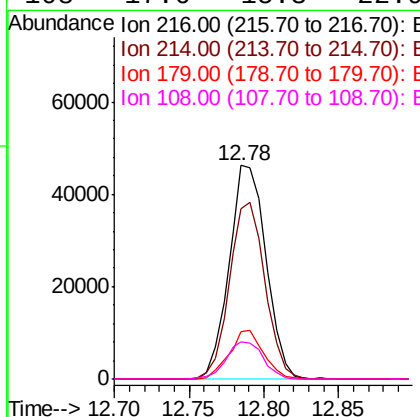
RT: 12.78 min Scan# 1650

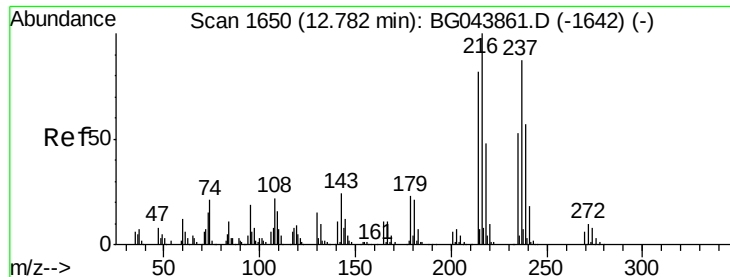
Delta R.T. -0.01 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 79646 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 79.6  | 63.8  | 95.8  |
| 179       | 21.3  | 17.3  | 25.9  |
| 108       | 17.6  | 15.3  | 22.9  |





#41

Hexachlorocyclopentadiene

Concen: 6.745 ng

RT: 12.78 min Scan# 1649

Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

Instrument :

BNA\_G

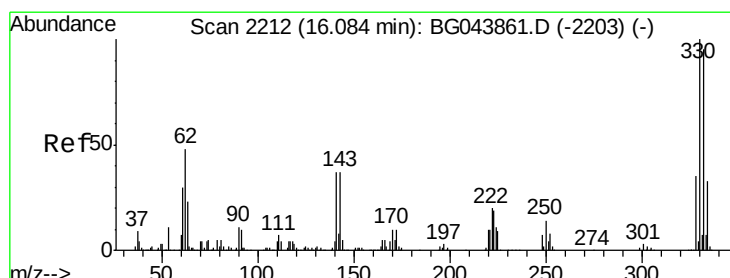
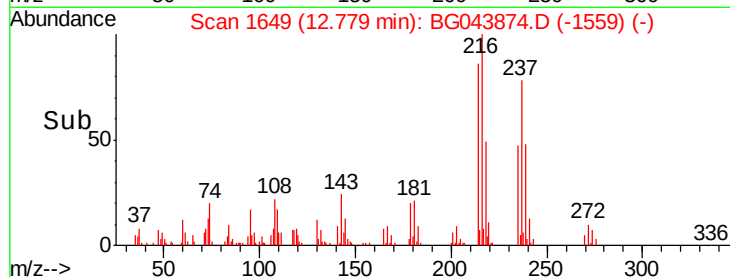
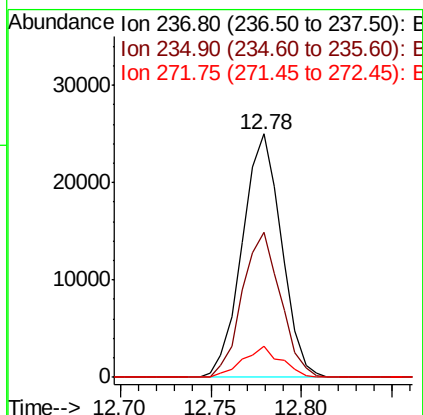
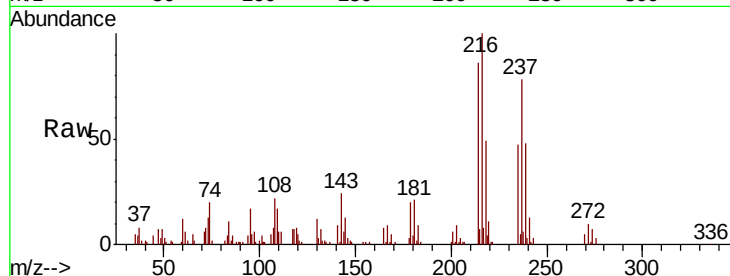
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 237   | Resp: | 37794 |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 59.7  | 41.1  | 81.1  |
| 272       | 12.7  | 0.0   | 31.7  |

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#42

2,4,6-Tribromophenol

Concen: 144.667 ng

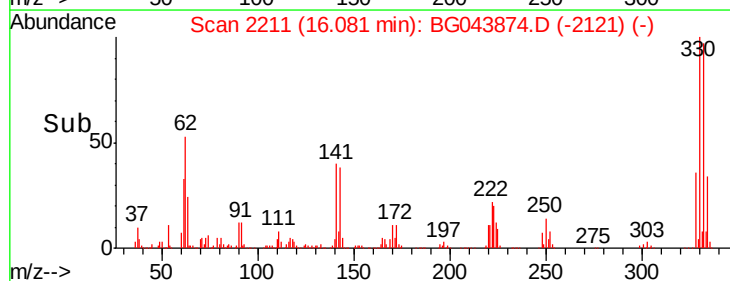
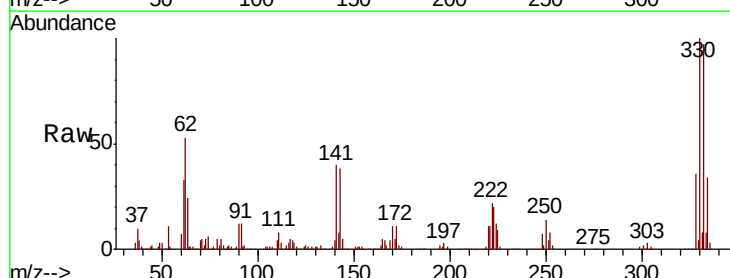
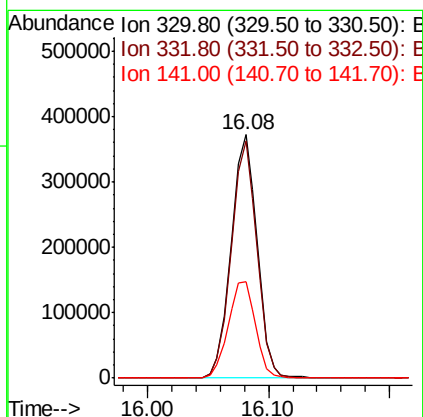
RT: 16.08 min Scan# 2211

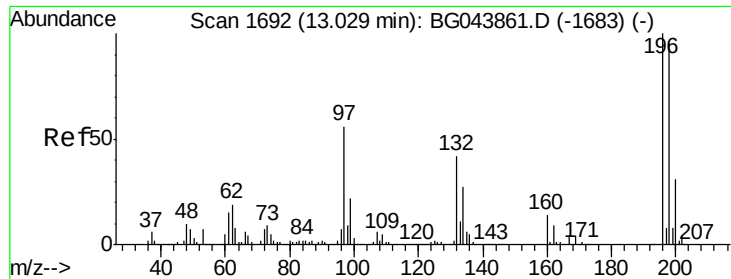
Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 558287 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.0  | 77.2  | 115.8  |
| 141       | 41.3  | 33.1  | 49.7   |





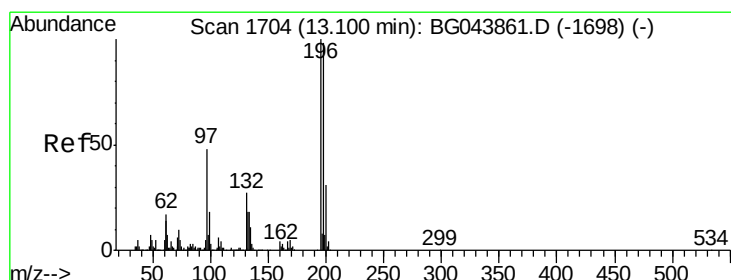
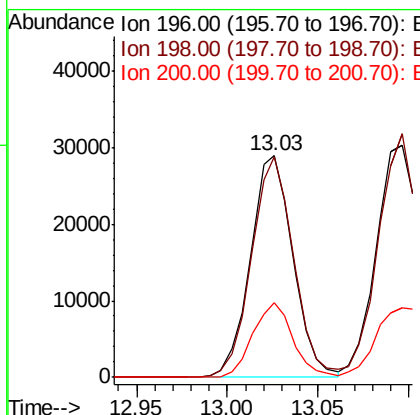
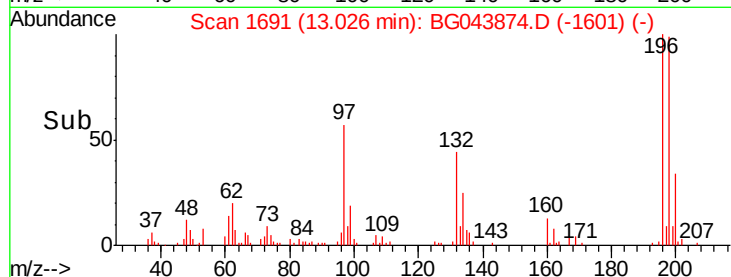
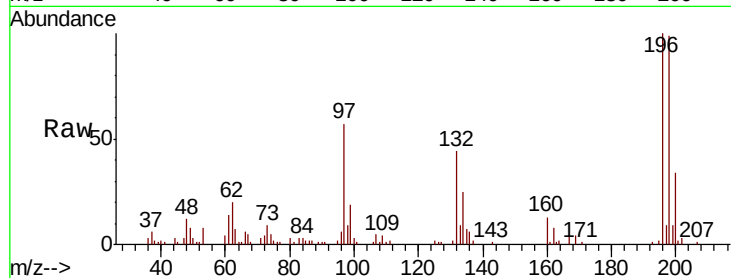
#43  
 2,4,6-Trichlorophenol  
 Concen: 6.345 ng  
 RT: 13.03 min Scan# 1691  
 Delta R.T. -0.00 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 99.3  | 76.6  | 115.0 |
| 200     | 33.7  | 24.6  | 37.0  |

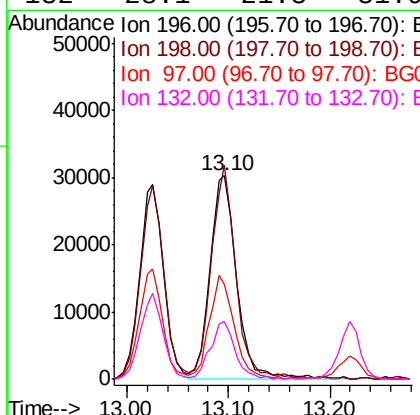
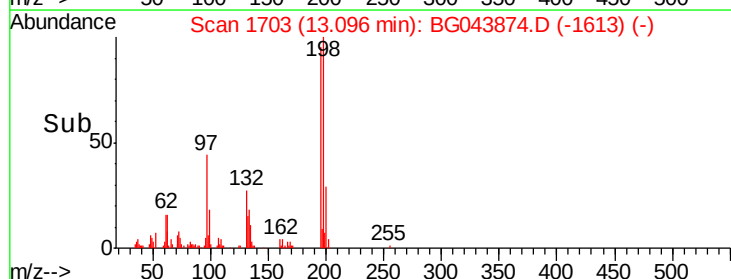
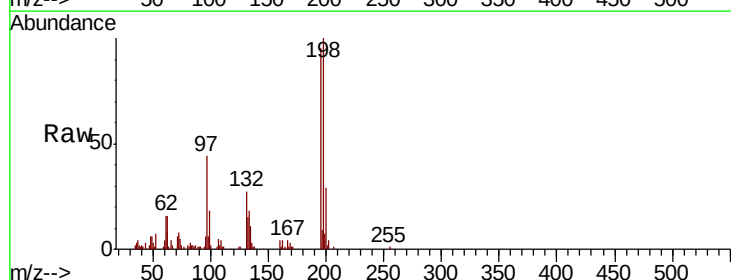
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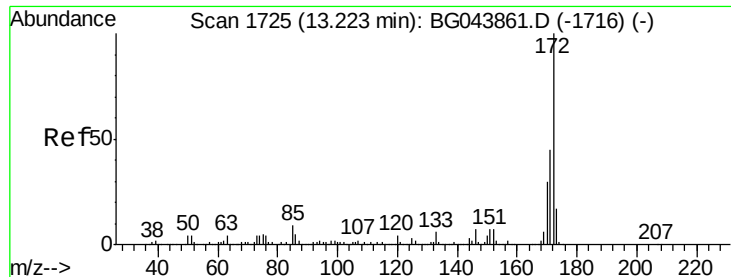
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#44  
 2,4,5-Trichlorophenol  
 Concen: 7.153 ng  
 RT: 13.10 min Scan# 1703  
 Delta R.T. -0.00 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 105.1 | 78.3  | 117.5 |
| 97      | 46.5  | 38.8  | 58.2  |
| 132     | 28.1  | 21.3  | 31.9  |





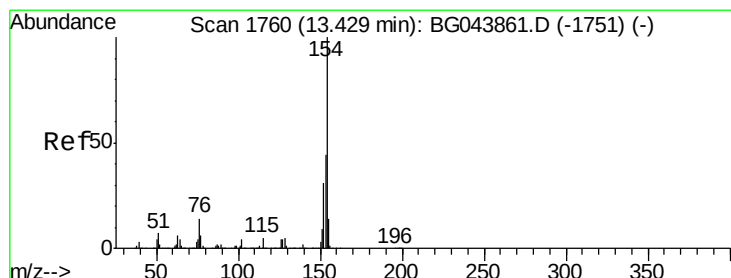
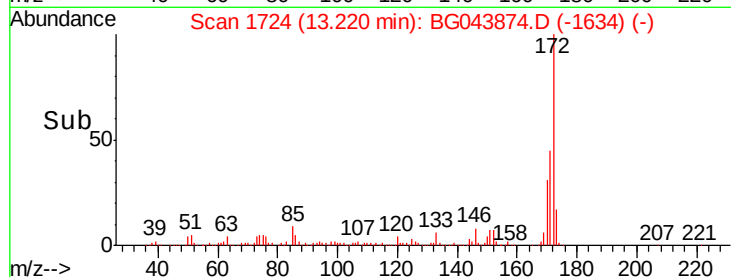
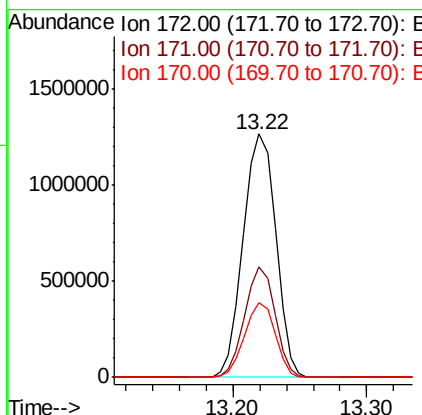
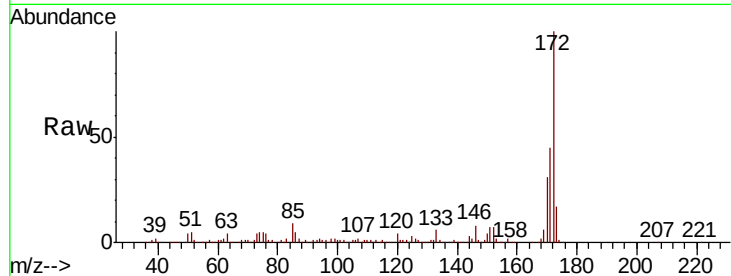
#45  
2-Fluorobiphenyl  
Concen: 105.424 ng  
RT: 13.22 min Scan# 1724  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 45.2  | 35.8  | 53.8  |
| 170     | 30.5  | 24.2  | 36.4  |

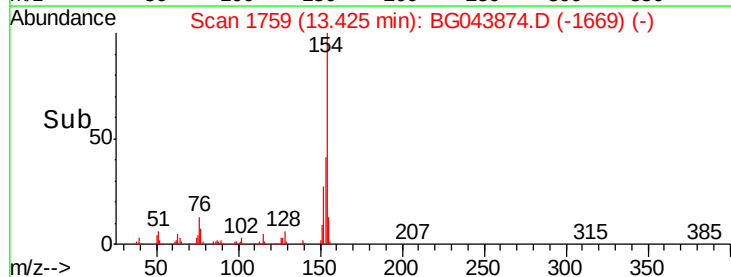
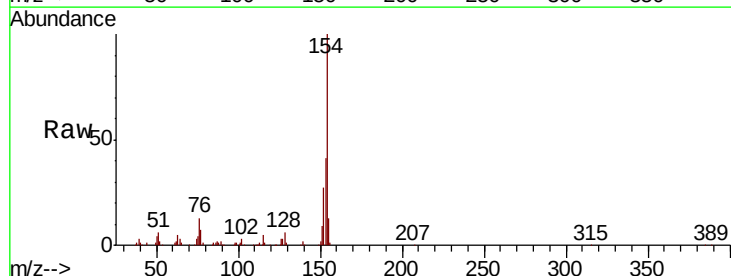
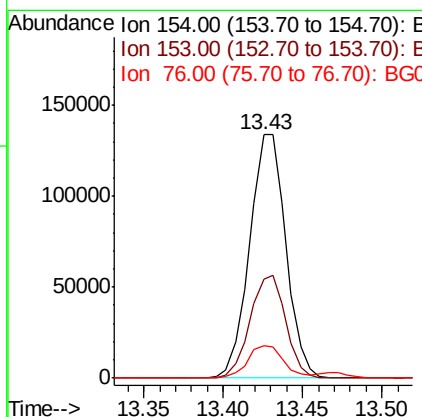
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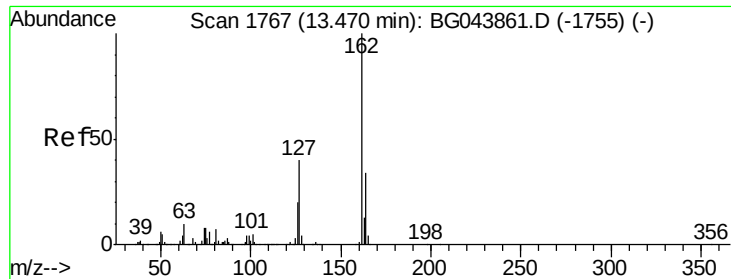


#46  
1,1'-Biphenyl  
Concen: 8.057 ng  
RT: 13.43 min Scan# 1759  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.7  | 23.6  | 63.6  |
| 76      | 13.2  | 0.0   | 34.4  |







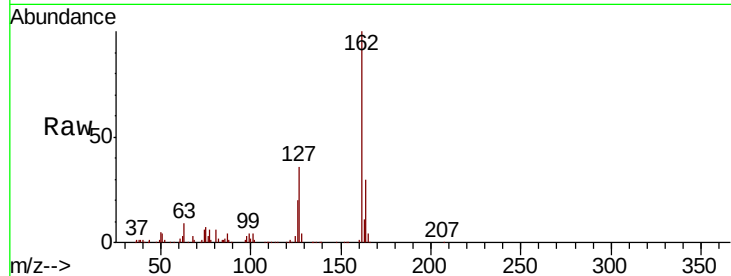
#47  
2-Chloronaphthalene  
Concen: 7.483 ng  
RT: 13.47 min Scan# 1766  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

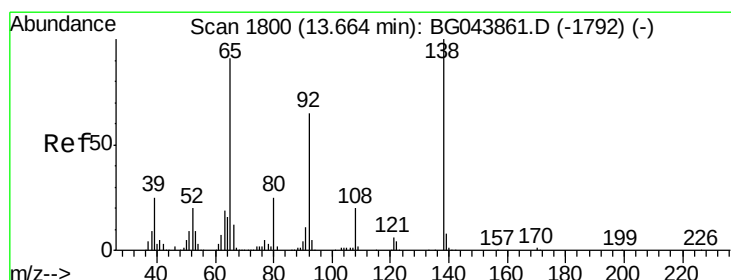
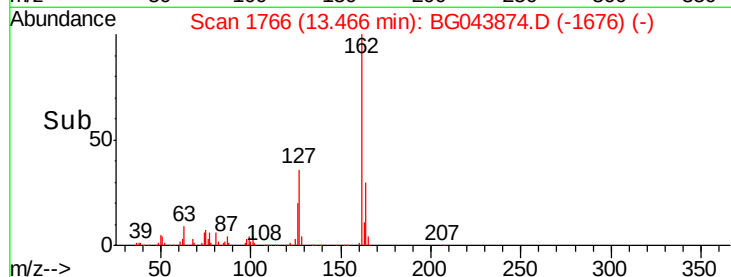
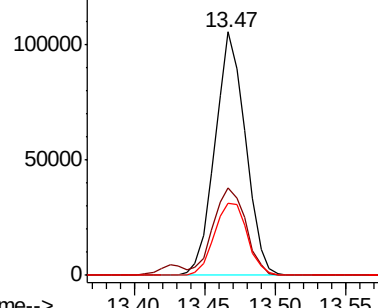
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 159882 |       |       |
| 127     | 36.1  |        | 32.1  | 48.1  |
| 164     | 29.8  |        | 27.5  | 41.3  |

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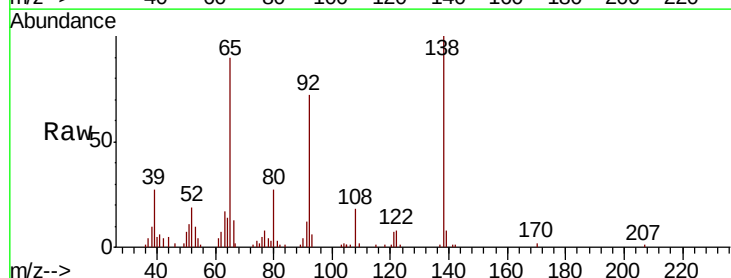


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

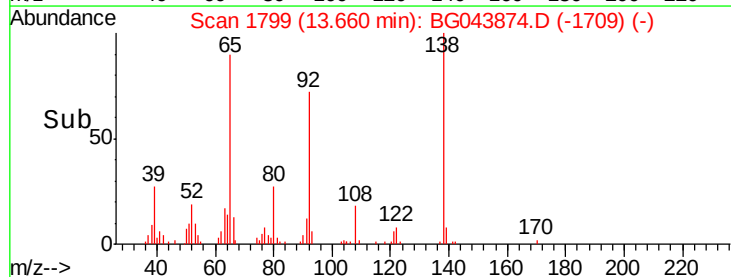
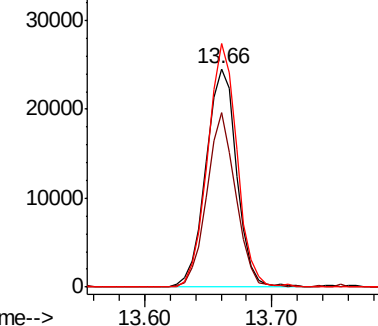


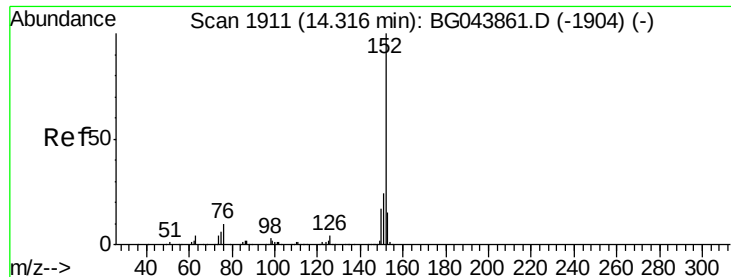
#48  
2-Nitroaniline  
Concen: 5.980 ng  
RT: 13.66 min Scan# 1799  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 65      | 100   | 41096 |       |       |
| 92      | 80.1  |       | 57.4  | 86.2  |
| 138     | 111.4 |       | 88.2  | 132.4 |



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





#49

Acenaphthylene

Concen: 8.373 ng

RT: 14.31 min Scan# 1910

Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

Instrument :

BNA\_G

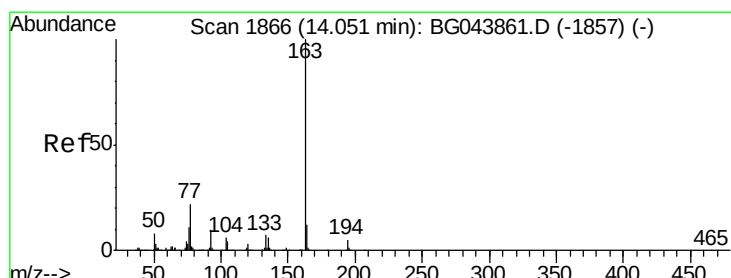
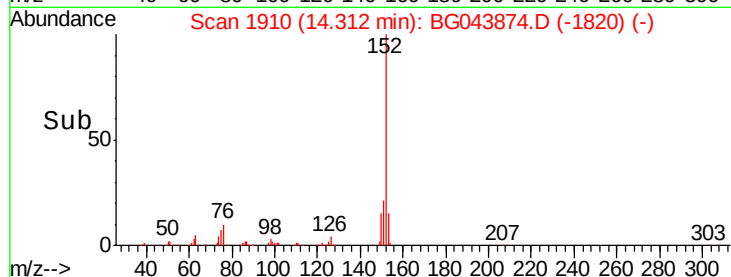
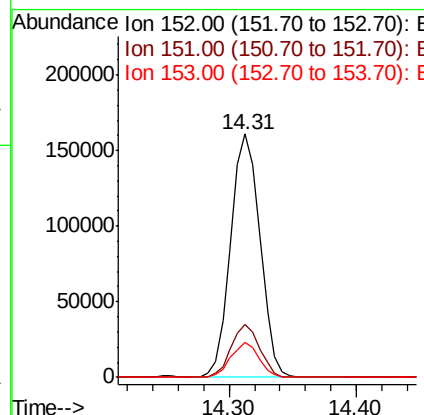
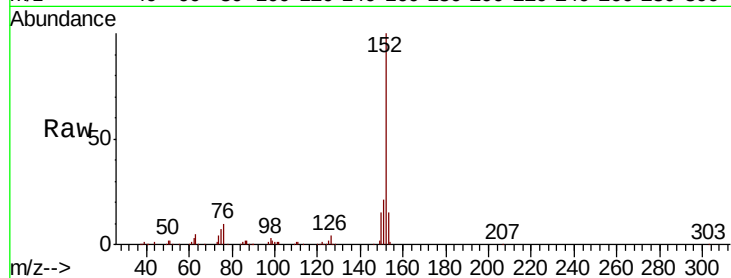
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 257131 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 21.5  | 19.4  | 29.2   |
| 153       | 14.5  | 12.0  | 18.0   |

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#50

Dimethylphthalate

Concen: 8.076 ng

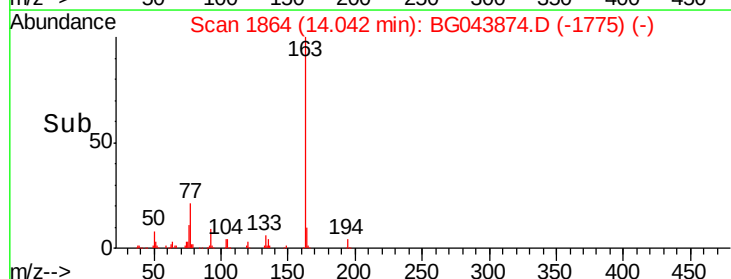
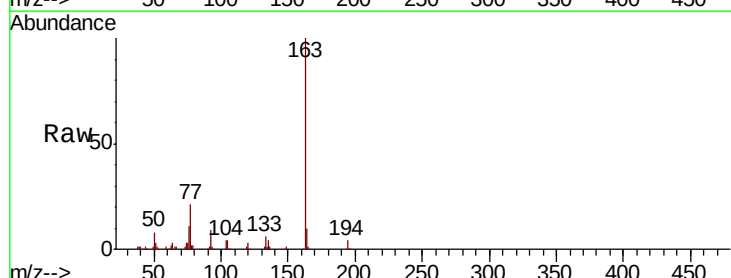
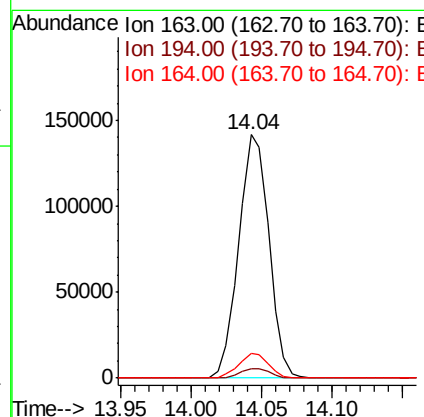
RT: 14.04 min Scan# 1864

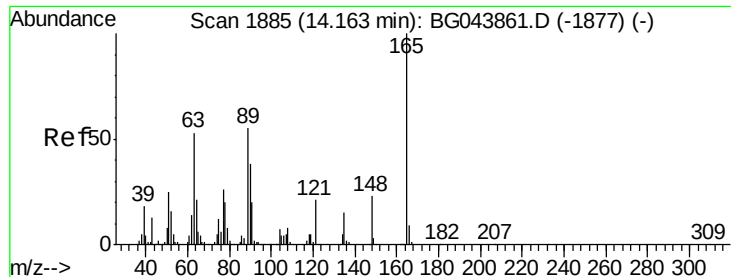
Delta R.T. -0.01 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 211453 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.8   | 3.7   | 5.5    |
| 164       | 10.0  | 9.3   | 13.9   |





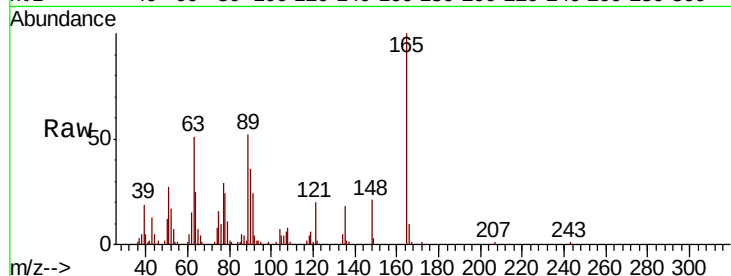
#51  
2,6-Dinitrotoluene  
Concen: 6.931 ng  
RT: 14.15 min Scan# 1883  
Delta R.T. -0.01 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 51.3  | 43.1  | 64.7  |
| 89      | 52.3  | 43.8  | 65.6  |

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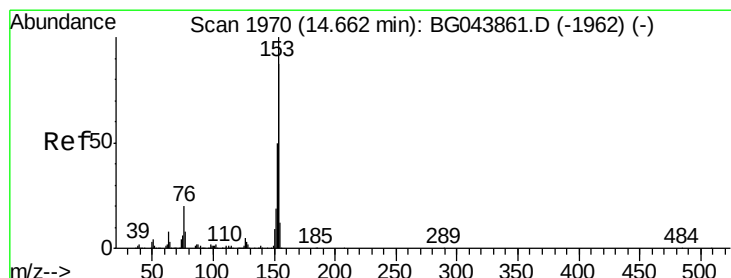
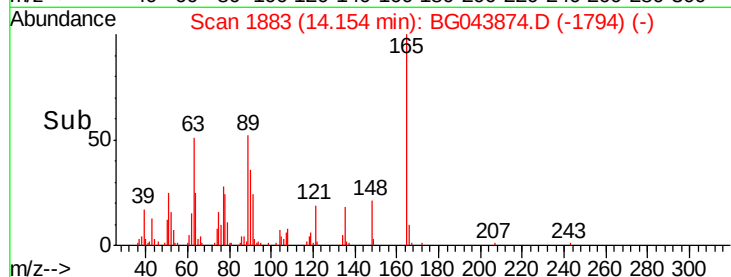
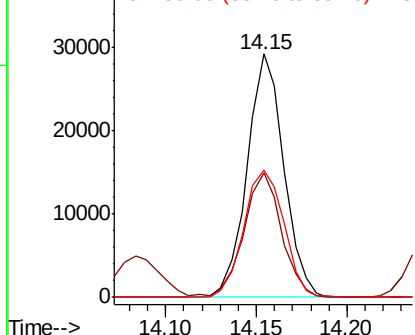


Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52  
Acenaphthene  
Concen: 7.497 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

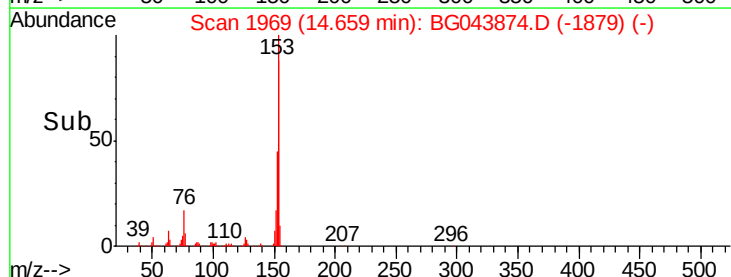
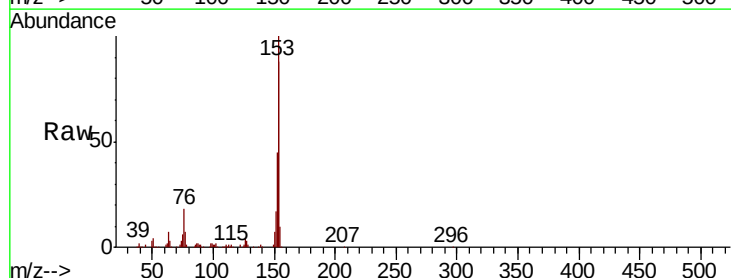
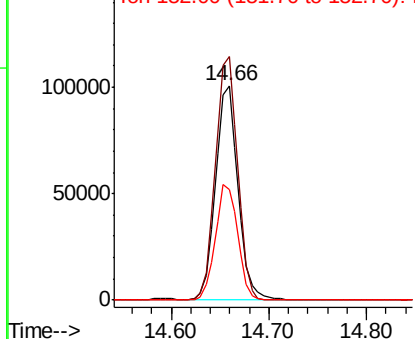
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.5 | 91.6  | 137.4 |
| 152     | 51.6  | 45.4  | 68.0  |

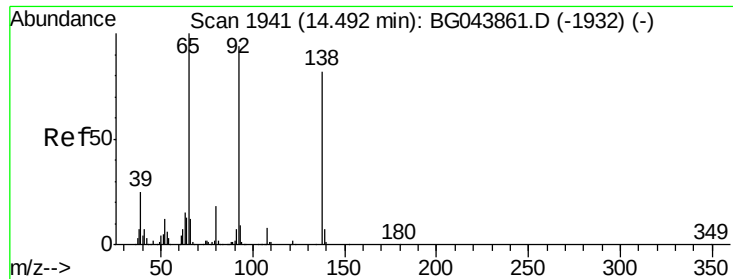
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





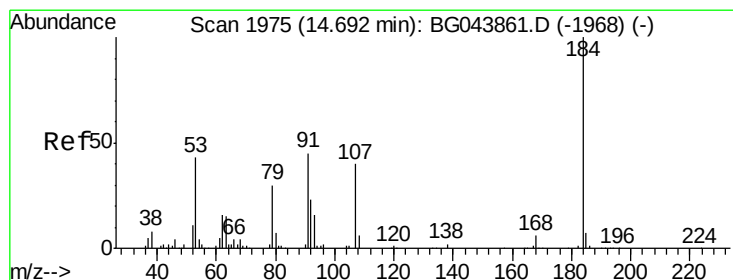
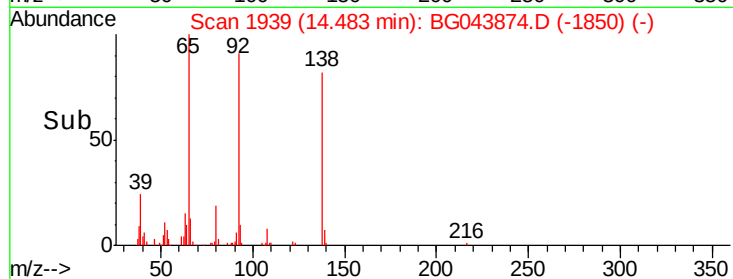
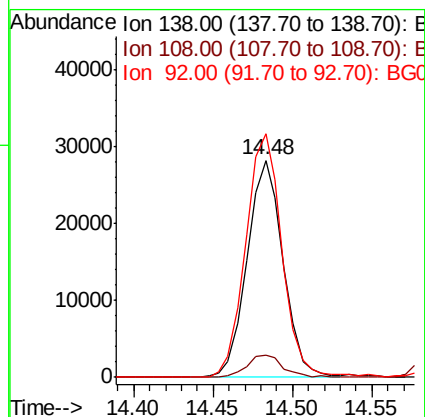
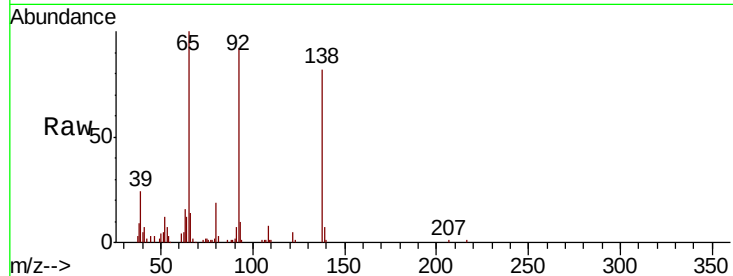
#53  
3-Nitroaniline  
Concen: 6.623 ng  
RT: 14.48 min Scan# 1939  
Delta R.T. -0.01 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.3  | 7.4   | 11.2  |
| 92      | 112.2 | 92.1  | 138.1 |

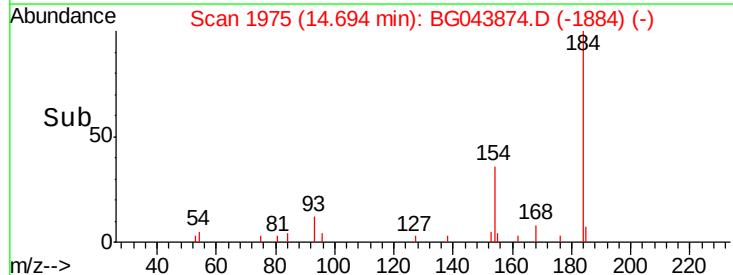
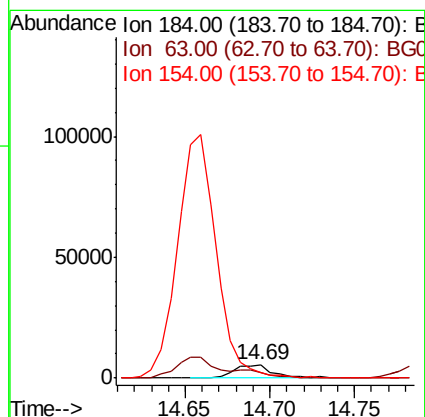
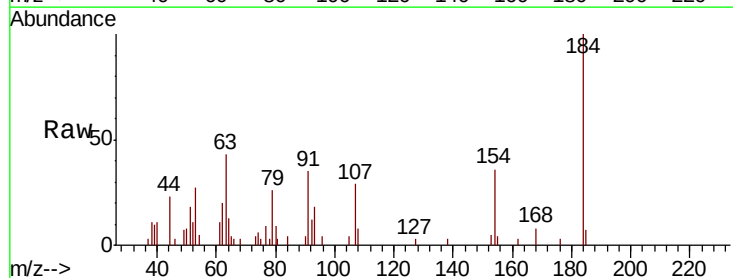
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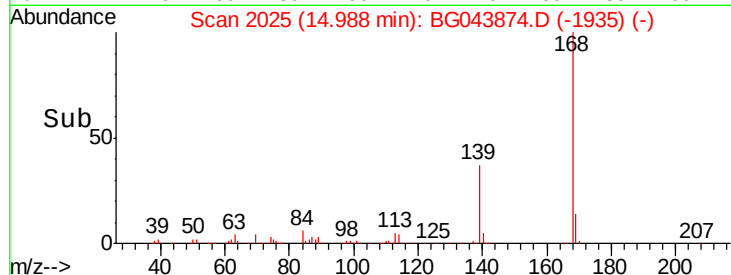
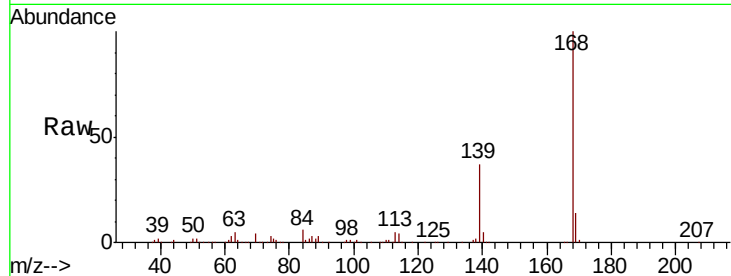
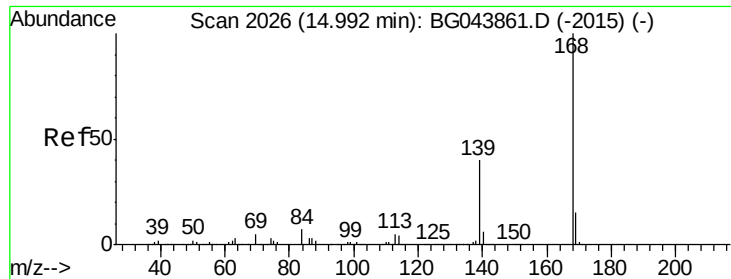
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#54  
2,4-Dinitrophenol  
Concen: 3.397 ng  
RT: 14.69 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 42.9  | 46.6  | 70.0# |
| 154     | 36.3  | 50.2  | 75.4# |





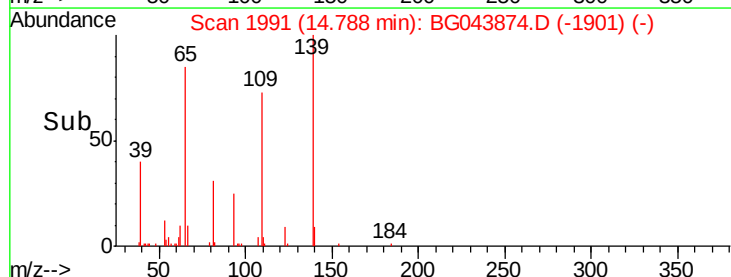
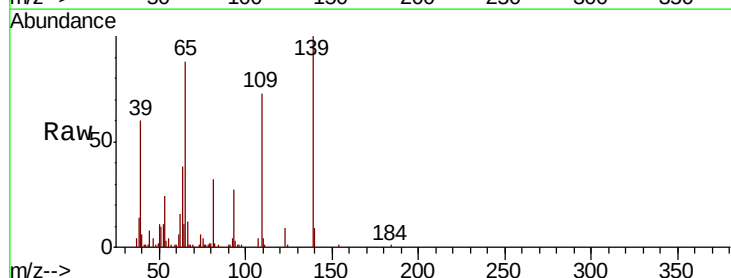
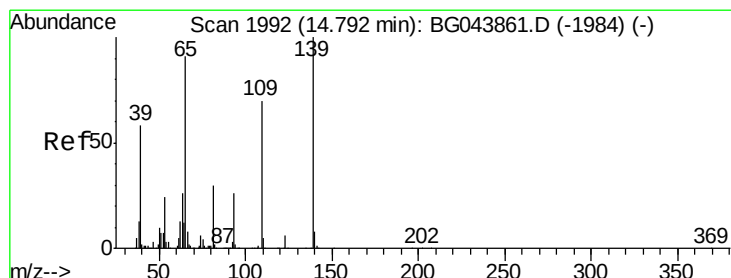
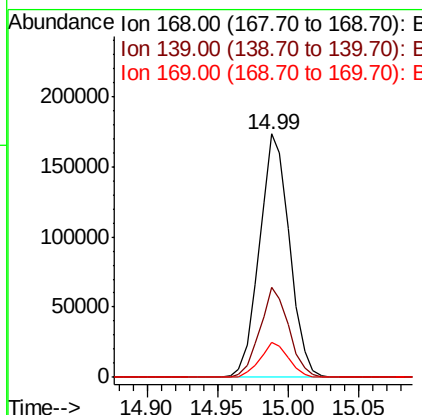
#55  
Dibenzofuran  
Concen: 8.754 ng  
RT: 14.99 min Scan# 2025  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 259525 |       |       |
| 139     | 37.0  |        | 32.2  | 48.2  |
| 169     | 14.2  |        | 12.2  | 18.2  |

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

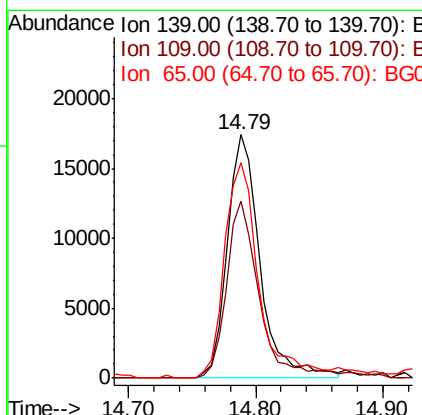
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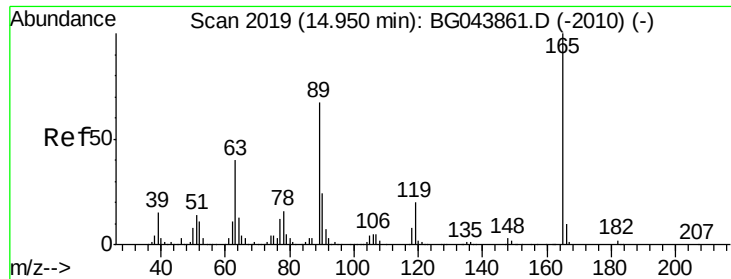
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#56  
4-Nitrophenol  
Concen: 6.034 ng  
RT: 14.79 min Scan# 1991  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 139     | 100   | 31077 |       |       |
| 109     | 72.6  |       | 50.4  | 90.4  |
| 65      | 88.3  |       | 71.4  | 111.4 |





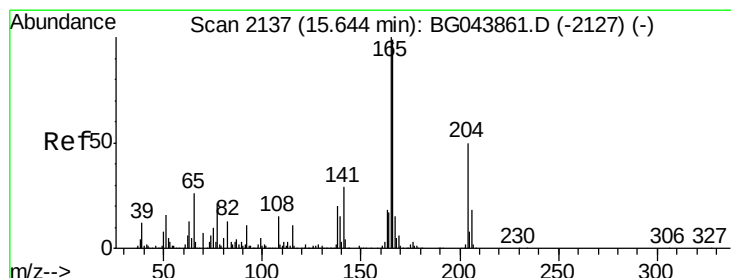
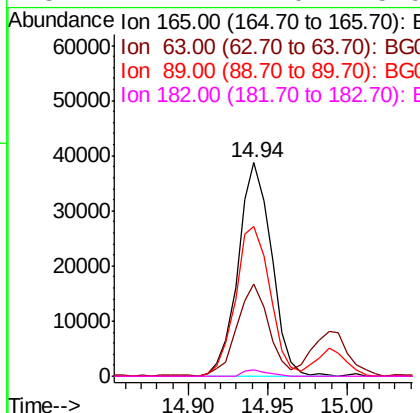
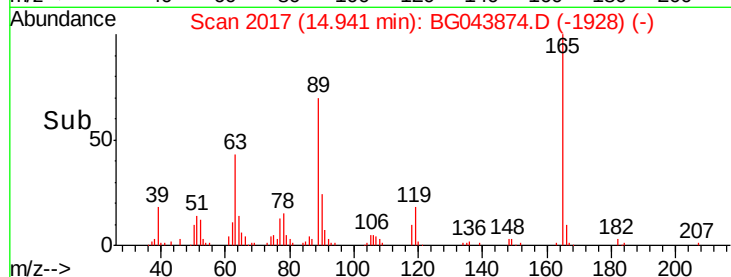
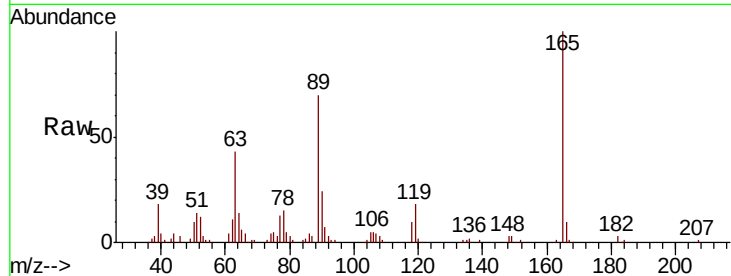
#57  
2,4-Dinitrotoluene  
Concen: 7.031 ng  
RT: 14.94 min Scan# 2017  
Delta R.T. -0.01 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 42.9  | 31.9  | 47.9  |
| 89      | 70.1  | 53.8  | 80.6  |
| 182     | 2.7   | 2.0   | 3.0   |

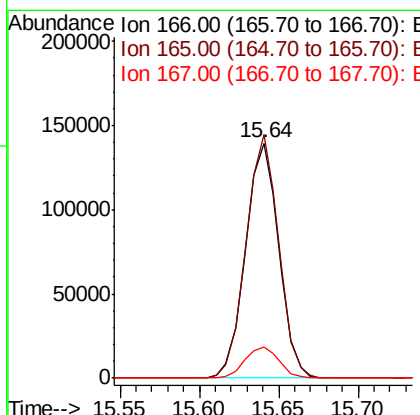
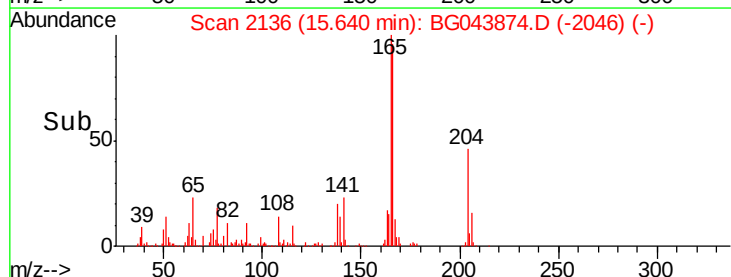
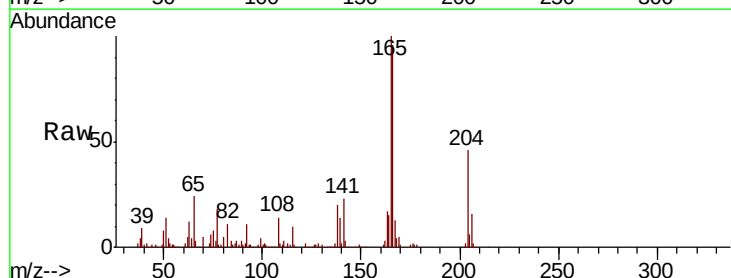
Manual Integrations  
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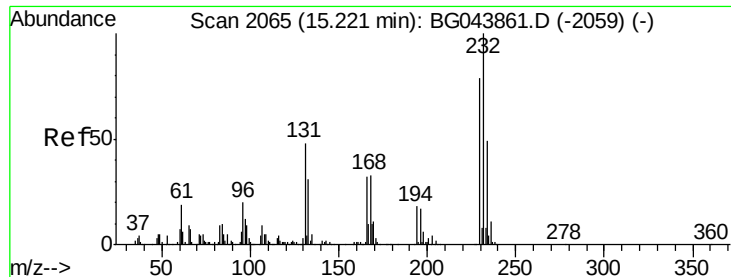
mohammad  
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#58  
Fluorene  
Concen: 8.613 ng  
RT: 15.64 min Scan# 2136  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 103.8 | 80.8  | 121.2 |
| 167     | 13.4  | 12.1  | 18.1  |





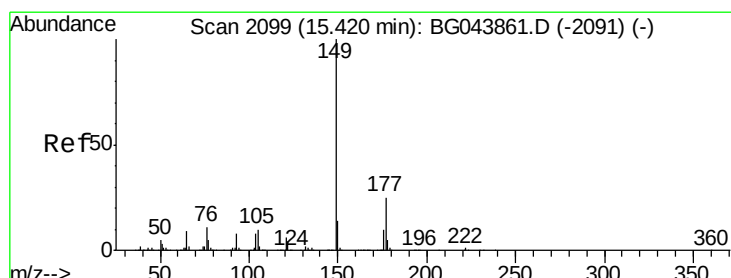
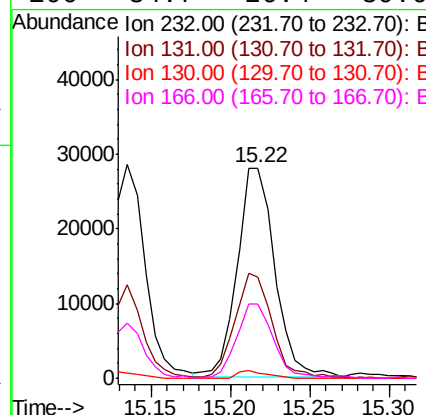
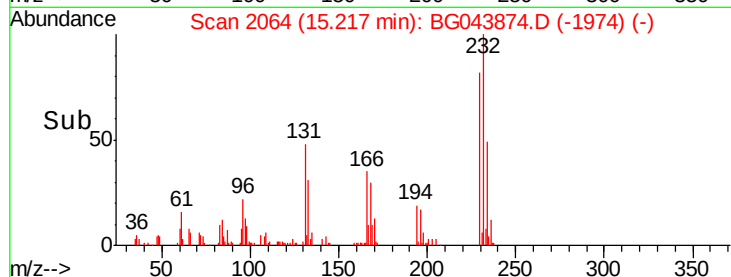
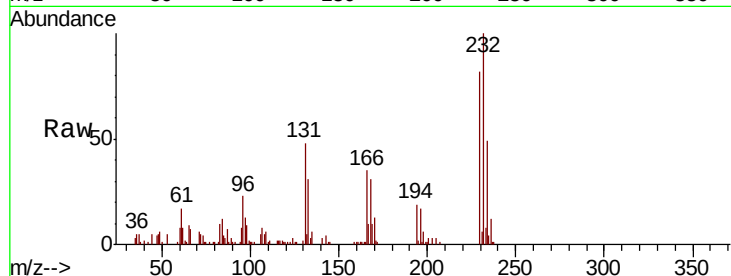
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 6.991 ng  
RT: 15.22 min Scan# 2064  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 232     | 100   | 46112 |       |       |
| 131     | 49.8  |       | 38.2  | 57.2  |
| 130     | 2.8   |       | 2.2   | 3.2   |
| 166     | 34.7  |       | 26.4  | 39.6  |

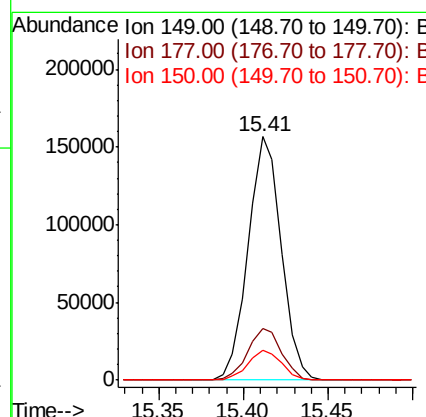
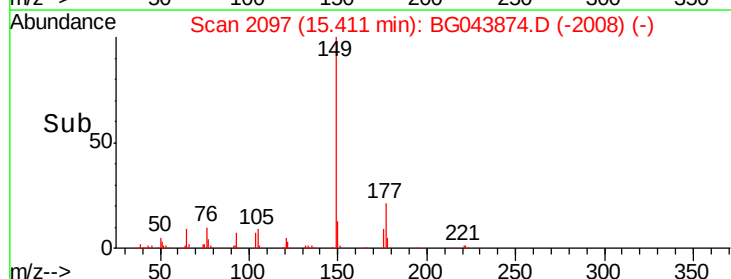
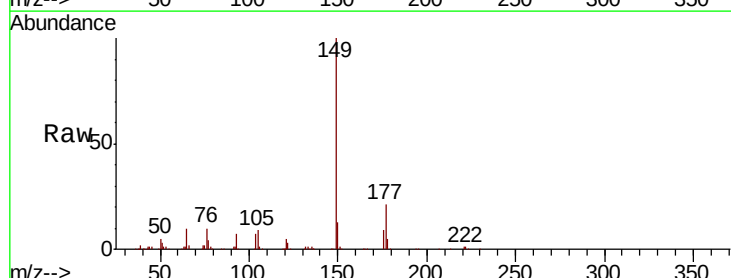
Manual Integrations  
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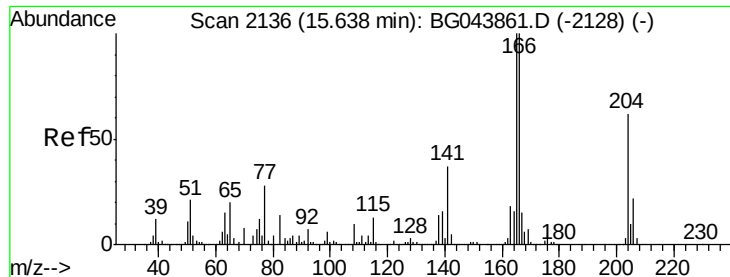
mohammad  
1/3/2020 11:05:08 AM



#60  
Diethylphthalate  
Concen: 8.166 ng  
RT: 15.41 min Scan# 2097  
Delta R.T. -0.01 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 213870 |       |       |
| 177     | 21.0  |        | 20.0  | 30.0  |
| 150     | 12.5  |        | 11.1  | 16.7  |





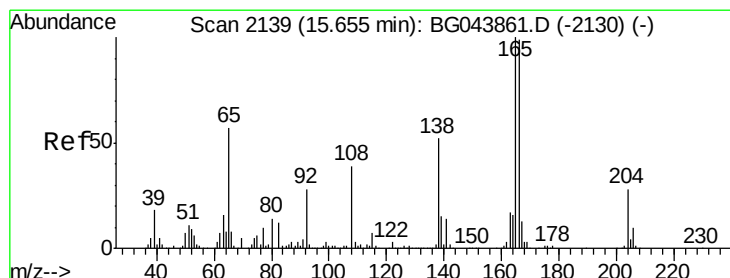
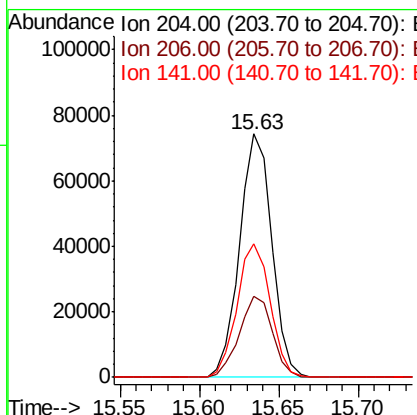
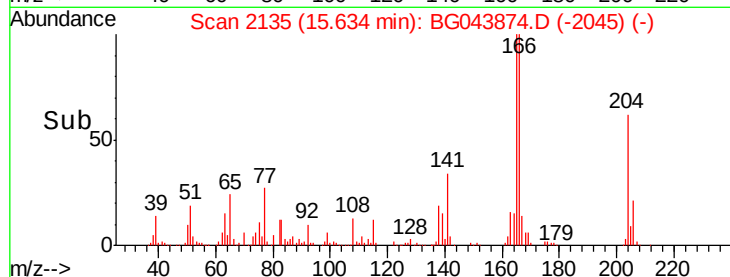
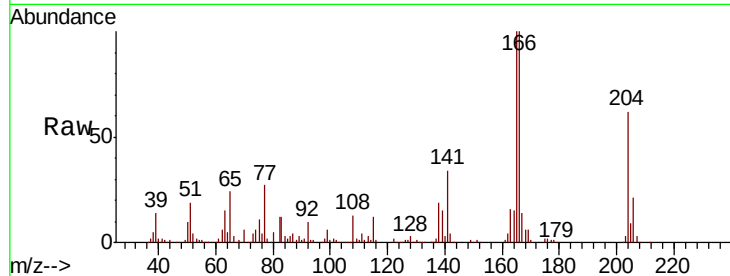
#61  
 4-Chlorophenyl-phenylether  
 Concen: 8.208 ng  
 RT: 15.63 min Scan# 2135  
 Delta R.T. -0.00 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 204   | Resp: | 104730 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 33.5  | 28.2  | 42.2   |
| 141       | 54.8  | 48.2  | 72.2   |

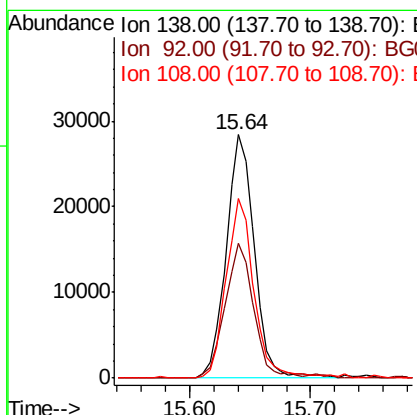
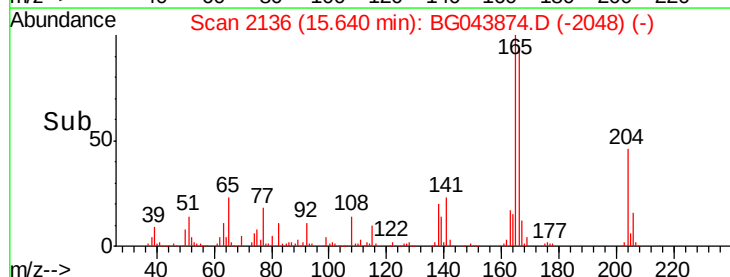
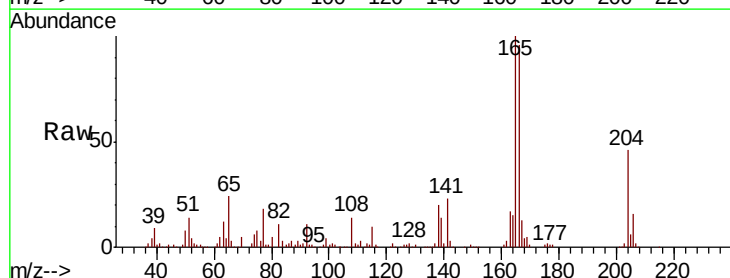
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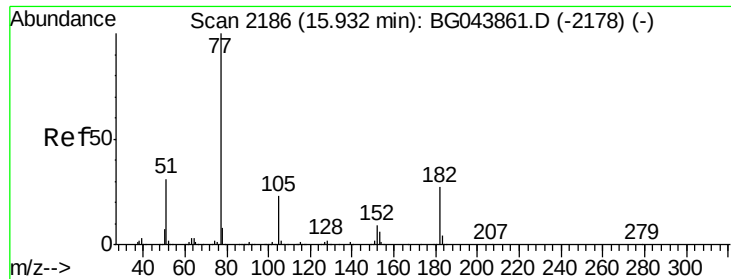


#62  
 4-Nitroaniline  
 Concen: 6.922 ng  
 RT: 15.64 min Scan# 2136  
 Delta R.T. -0.02 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 45941 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 55.3  | 34.3  | 74.3  |
| 108       | 73.6  | 55.0  | 95.0  |







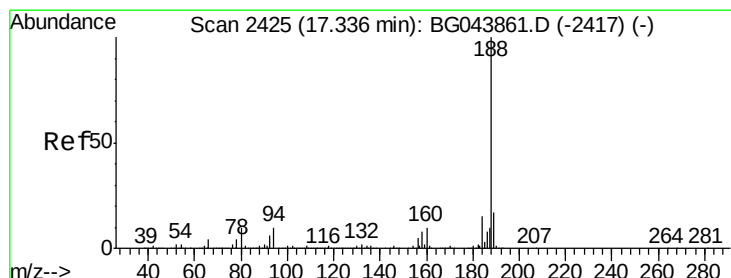
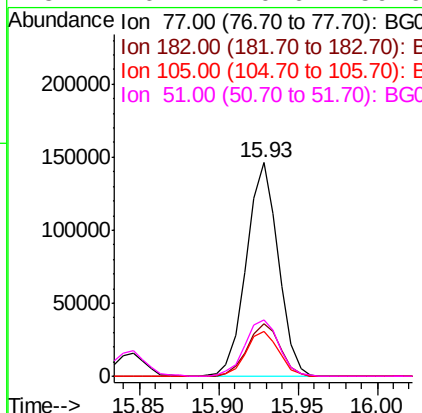
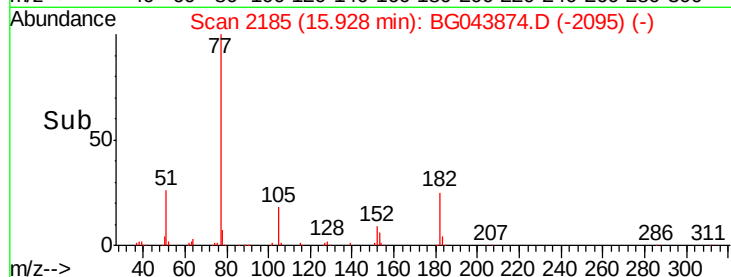
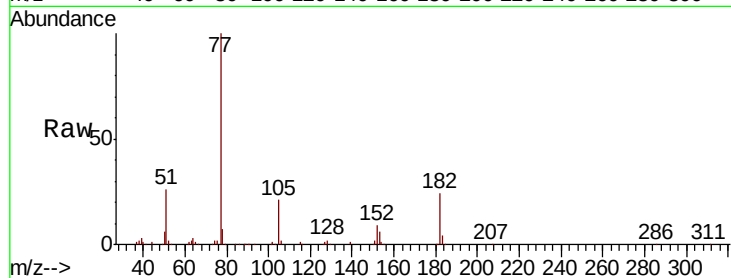
#63  
Azobenzene  
Concen: 8.397 ng  
RT: 15.93 min Scan# 2185  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 77      | 100  |       |       |       |
| 182     | 24.5 | 7.3   | 47.3  |       |
| 105     | 20.8 | 3.2   | 43.2  |       |
| 51      | 26.2 | 10.6  | 50.6  |       |

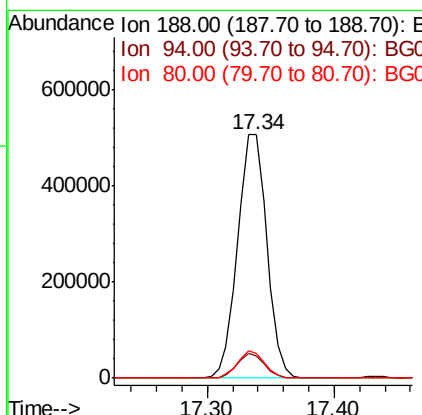
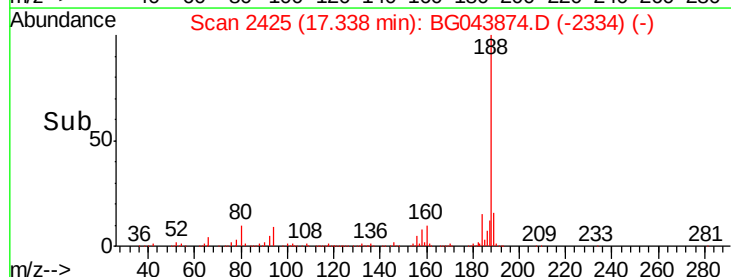
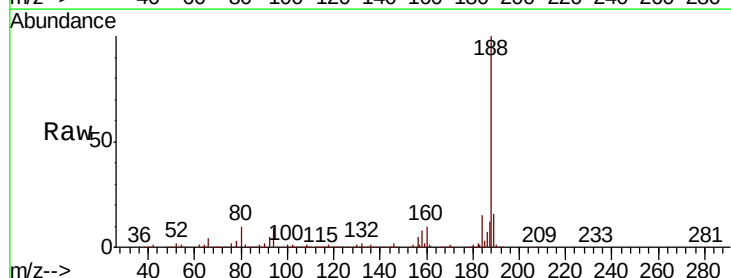
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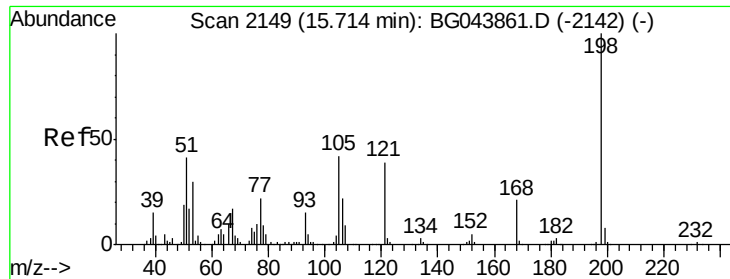
mohammad  
1/3/2020 11:05:08 AM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.34 min Scan# 2425  
Delta R.T. 0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 188     | 100  |       |       |       |
| 94      | 9.1  | 7.9   | 11.9  |       |
| 80      | 10.2 | 8.2   | 12.4  |       |





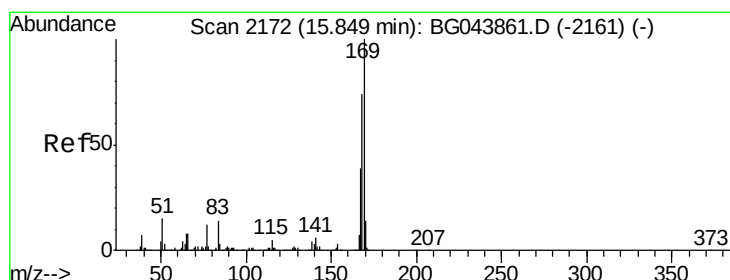
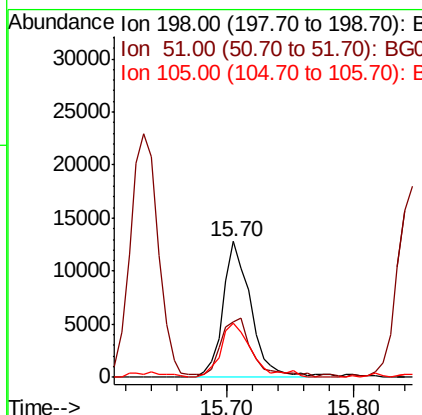
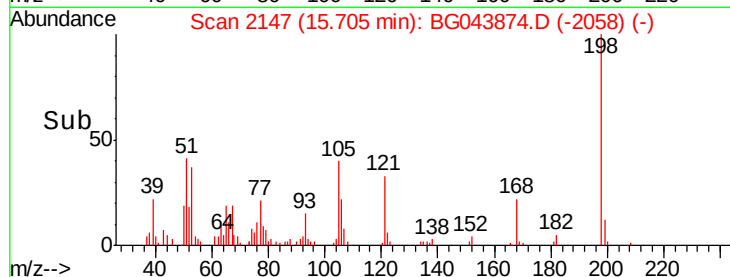
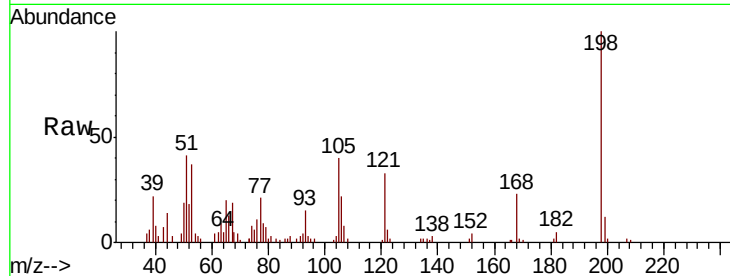
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 4.989 ng  
 RT: 15.70 min Scan# 2147  
 Delta R.T. -0.01 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 41.3  | 22.5  | 62.5  |
| 105     | 39.6  | 22.3  | 62.3  |

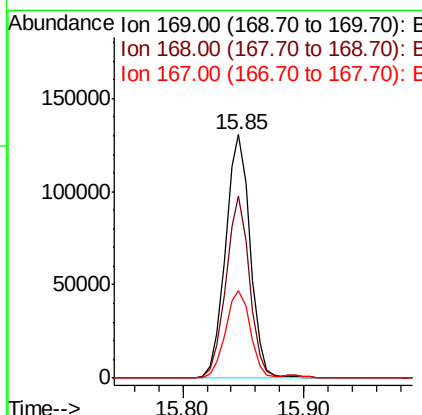
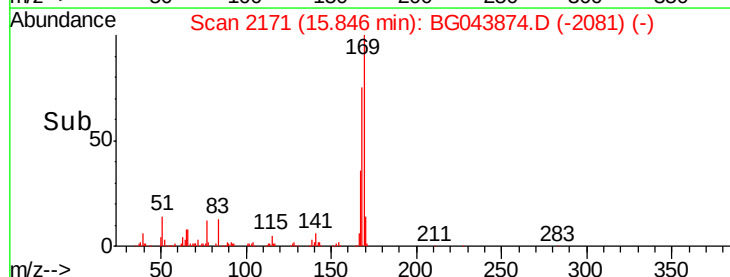
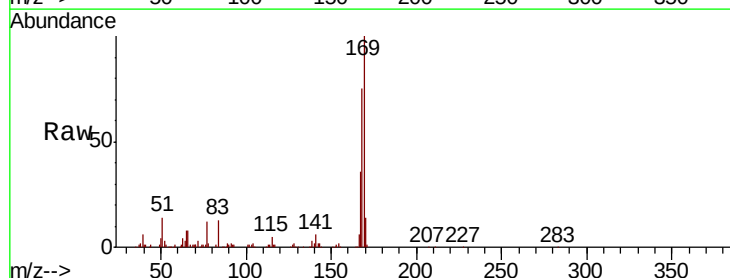
Manual Integrations  
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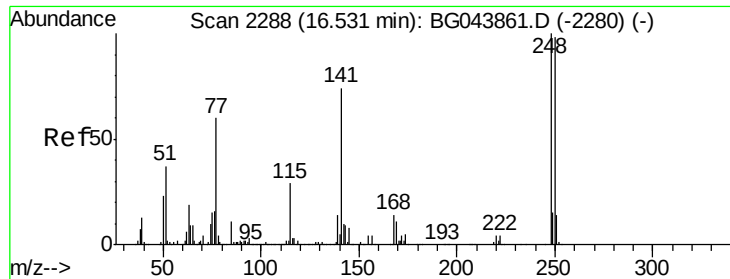
mohammad  
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#66  
 n-Nitrosodiphenylamine  
 Concen: 7.711 ng  
 RT: 15.85 min Scan# 2171  
 Delta R.T. -0.00 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 75.0  | 59.0  | 88.6  |
| 167     | 36.2  | 31.4  | 47.0  |





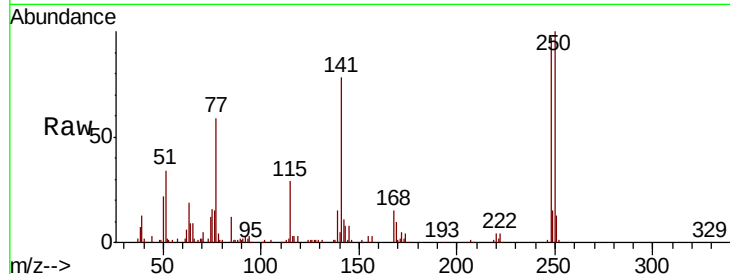
#67  
4-Bromophenyl-phenylether  
Concen: 6.905 ng  
RT: 16.53 min Scan# 2287  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 103.0 | 78.2  | 117.2 |
| 141     | 80.8  | 59.3  | 88.9  |

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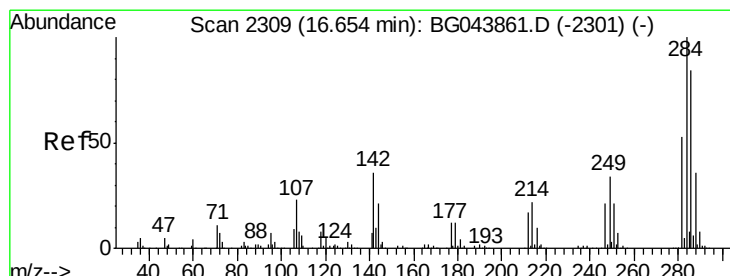
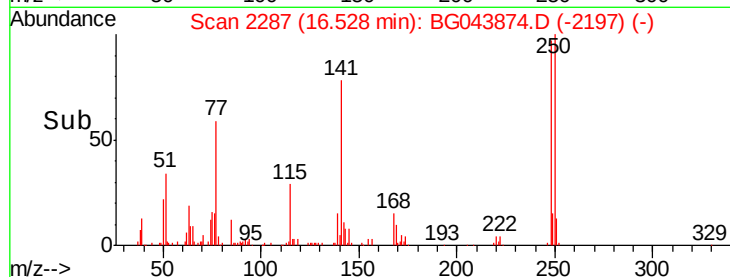
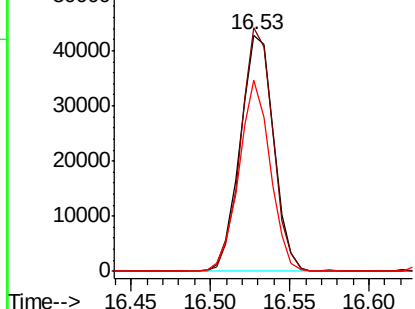


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
Hexachlorobenzene  
Concen: 6.986 ng  
RT: 16.65 min Scan# 2308  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

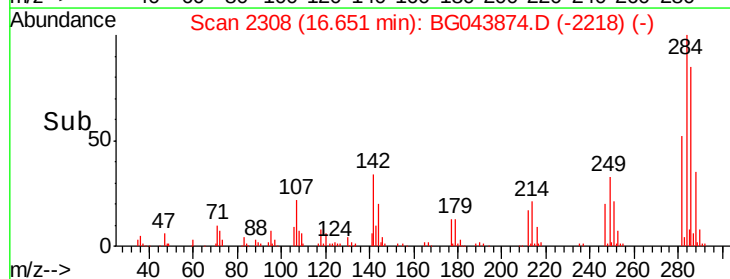
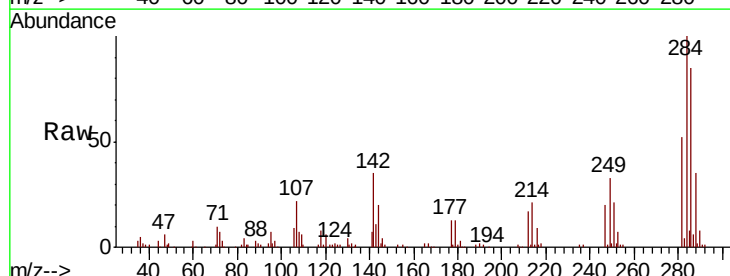
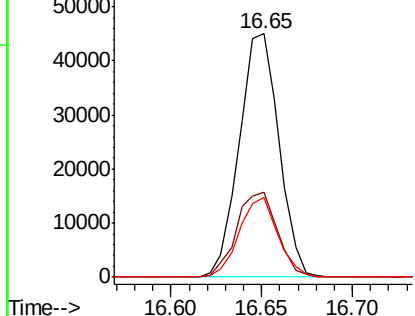
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 34.8  | 28.6  | 43.0  |
| 249     | 34.6  | 27.0  | 40.6  |

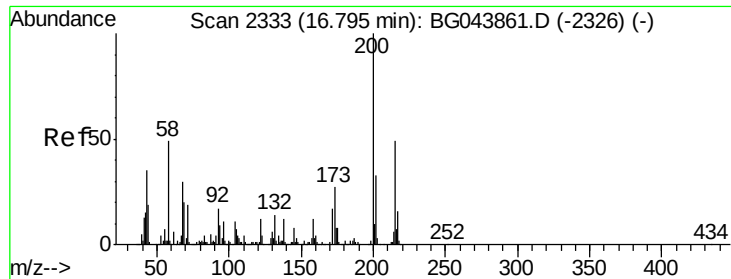
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





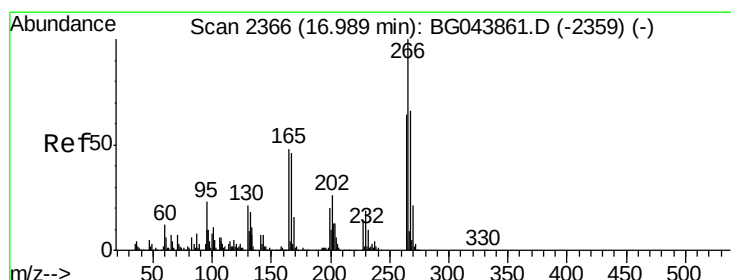
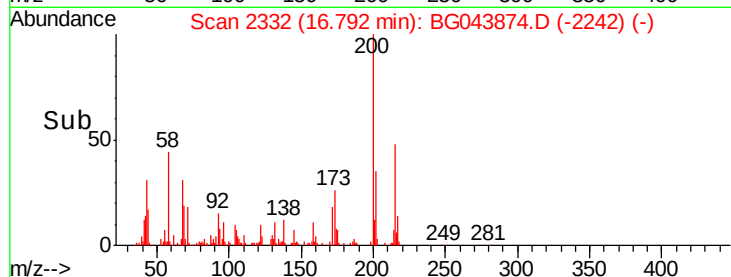
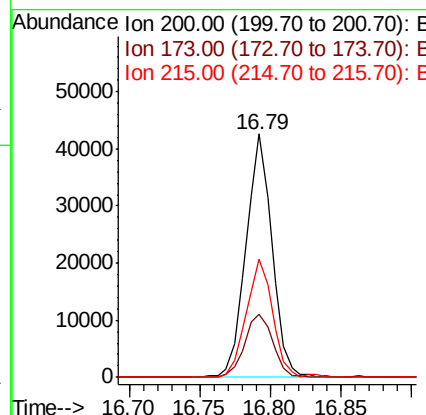
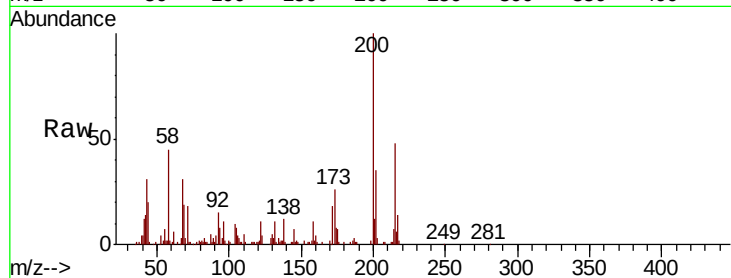
#69  
Atrazine  
Concen: 7.082 ng  
RT: 16.79 min Scan# 2332  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.8  | 6.6   | 46.6  |
| 215     | 48.4  | 28.6  | 68.6  |

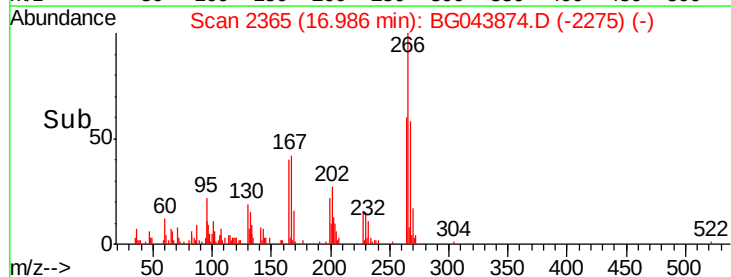
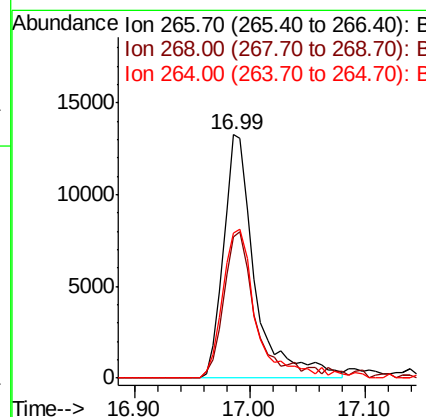
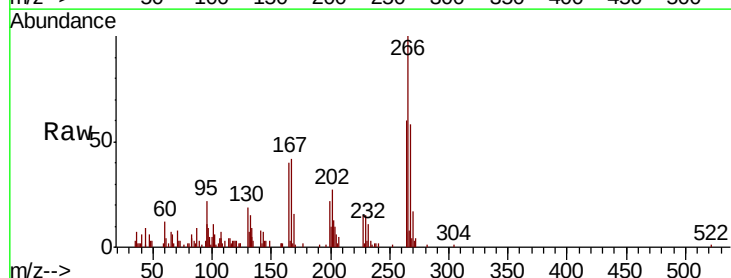
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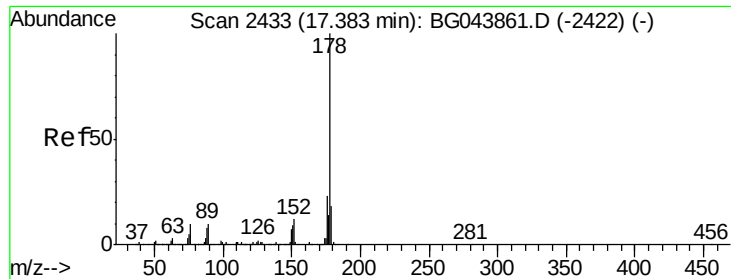
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#70  
Pentachlorophenol  
Concen: 4.612 ng  
RT: 16.99 min Scan# 2365  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 58.0  | 52.6  | 79.0  |
| 264     | 59.7  | 50.8  | 76.2  |





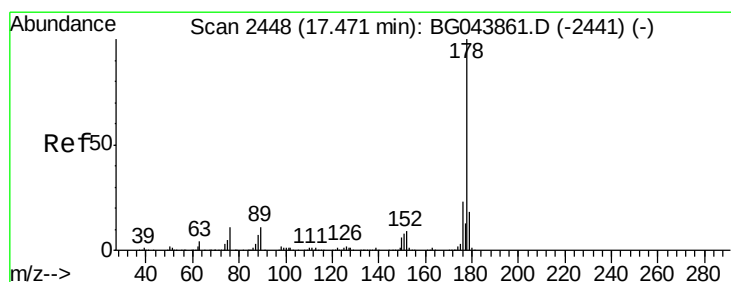
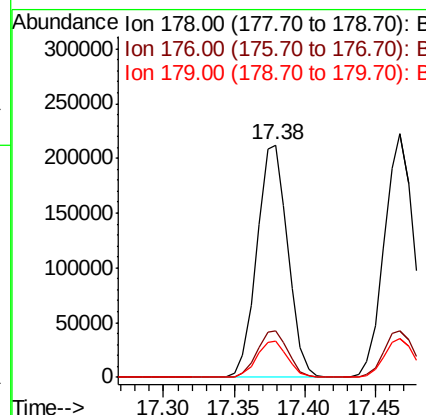
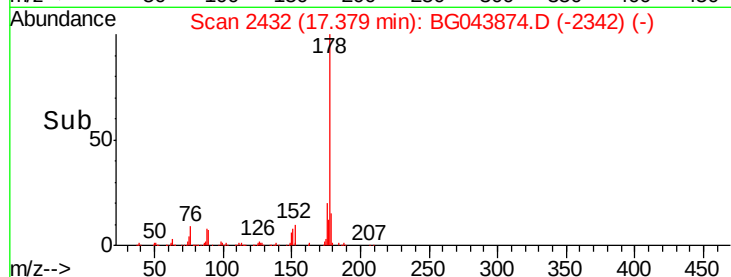
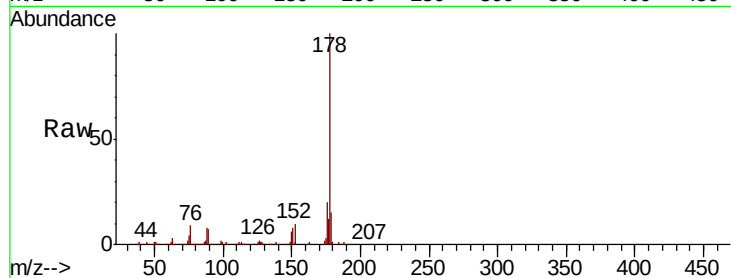
#71  
Phenanthrene  
Concen: 8.421 ng  
RT: 17.38 min Scan# 2432  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.2  | 18.6  | 28.0  |
| 179     | 15.4  | 14.4  | 21.6  |

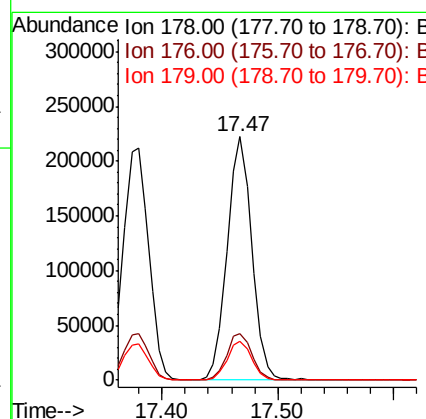
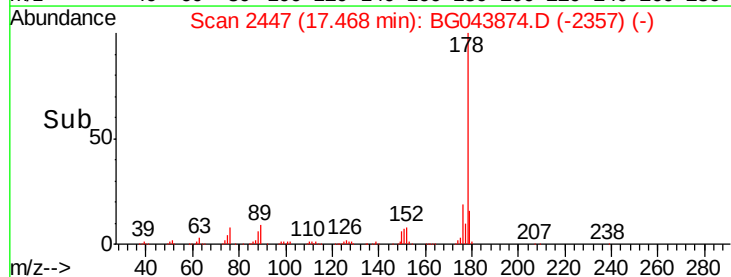
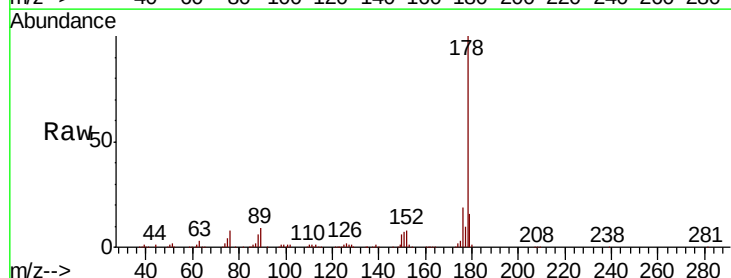
Manual Integrations  
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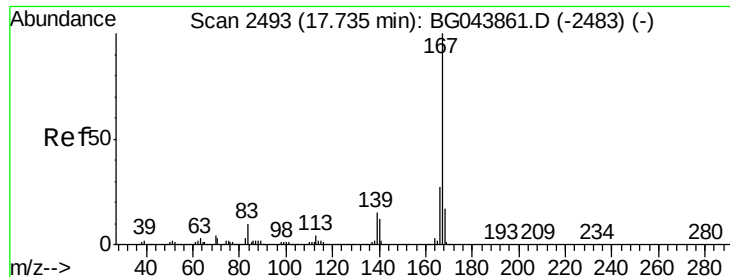
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#72  
Anthracene  
Concen: 8.530 ng  
RT: 17.47 min Scan# 2447  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.3  | 18.3  | 27.5  |
| 179     | 16.0  | 14.6  | 22.0  |





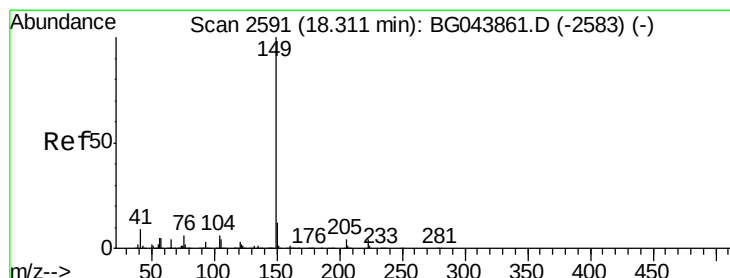
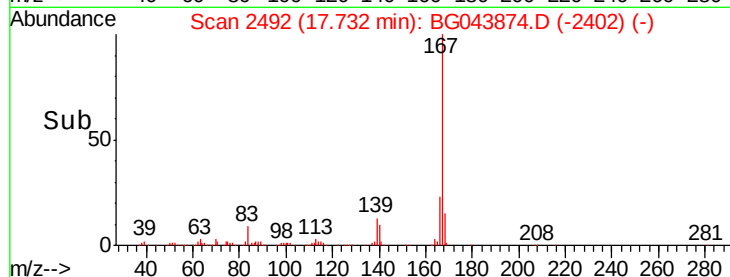
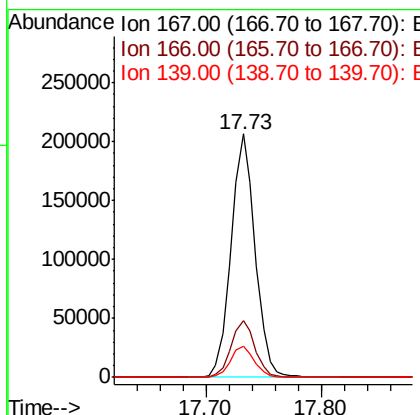
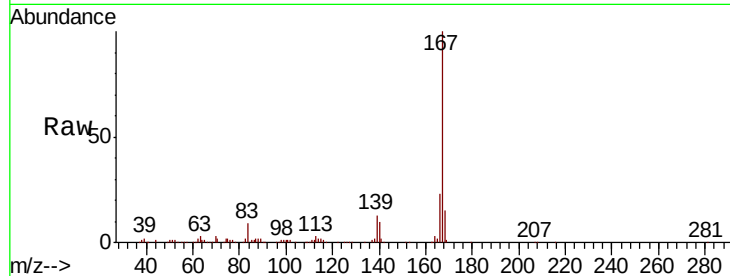
#73  
 Carbazole  
 Concen: 8.336 ng  
 RT: 17.73 min Scan# 2492  
 Delta R.T. -0.00 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.2  | 21.6  | 32.4  |
| 139     | 12.5  | 12.1  | 18.1  |

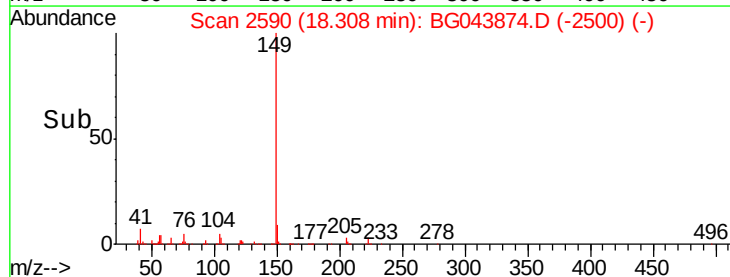
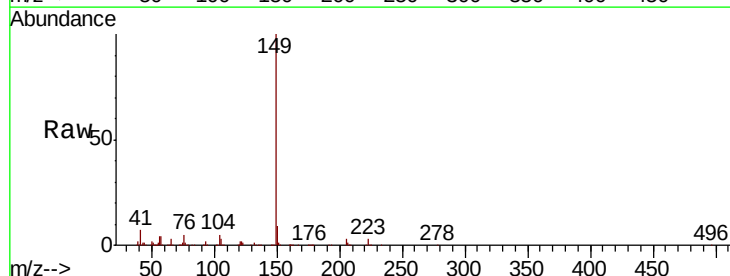
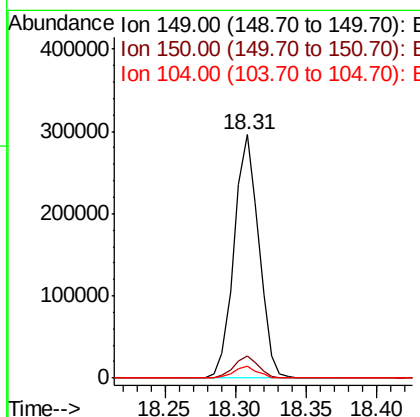
Manual Integrations  
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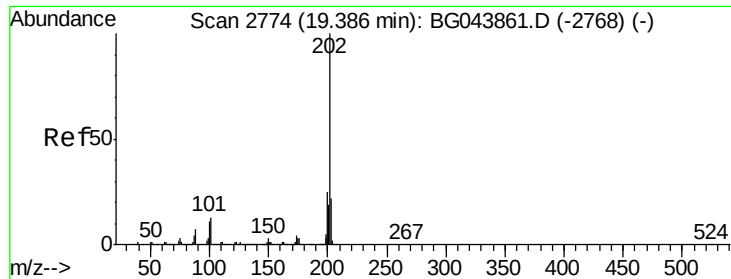
mohammad  
 1/3/2020 11:05:08 AM



#74  
 Di-n-butylphthalate  
 Concen: 7.965 ng  
 RT: 18.31 min Scan# 2590  
 Delta R.T. -0.00 min  
 Lab File: BG043874.D  
 Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 8.9   | 9.7   | 14.5# |
| 104     | 5.0   | 5.0   | 7.4   |





#75

Fluoranthene

Concen: 8.525 ng

RT: 19.39 min Scan# 2774

Delta R.T. 0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

Instrument :

BNA\_G

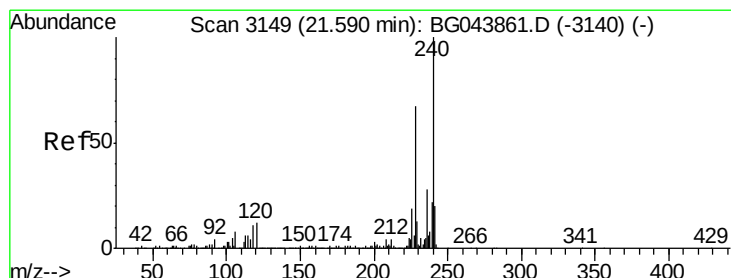
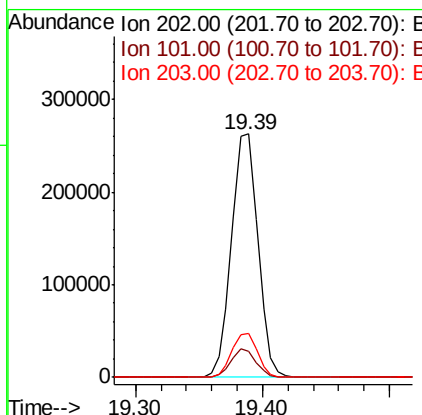
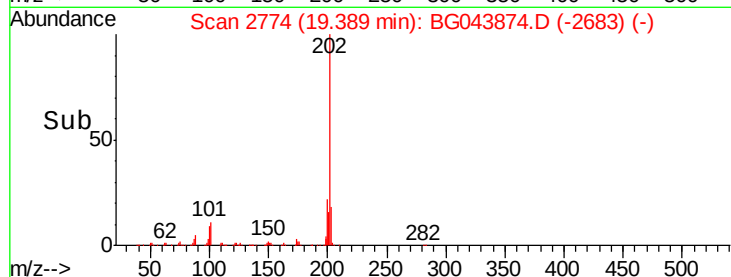
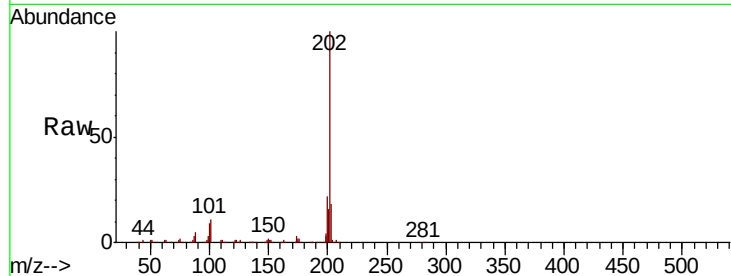
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 378759 |       |       |
| 101     | 10.7  | 0.0    | 33.3  |       |
| 203     | 18.1  | 1.6    | 41.6  |       |

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#76

Chrysene-d12

Concen: 20.000 ng

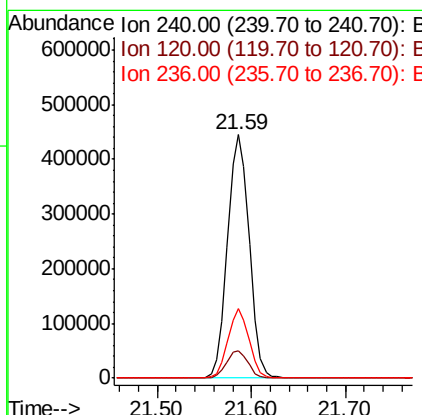
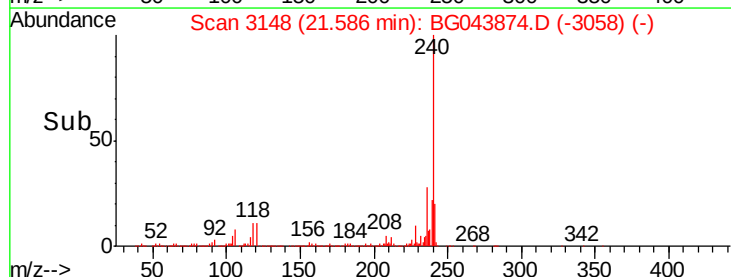
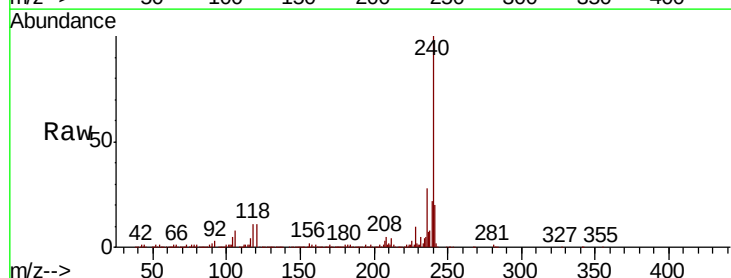
RT: 21.59 min Scan# 3148

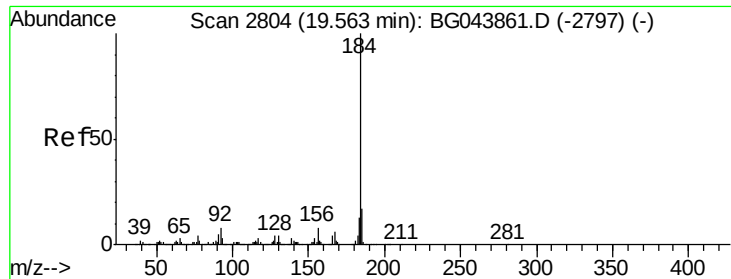
Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 710791 |       |       |
| 120     | 11.5  | 9.6    | 14.4  |       |
| 236     | 28.5  | 22.2   | 33.2  |       |





#77

Benzidine

Concen: 6.997 ng

RT: 19.56 min Scan# 2803

Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

Instrument :

BNA\_G

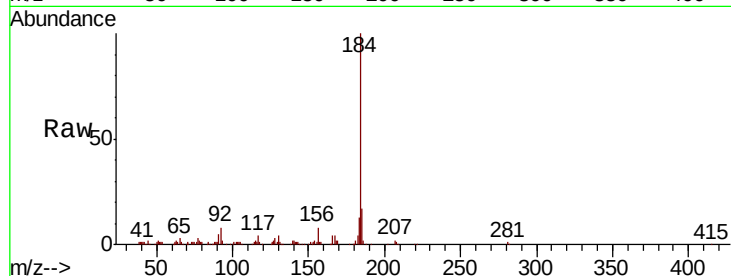
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 125007 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 17.0  | 13.4  | 20.0   |
| 183       | 12.6  | 10.6  | 15.8   |

Manual Integrations  
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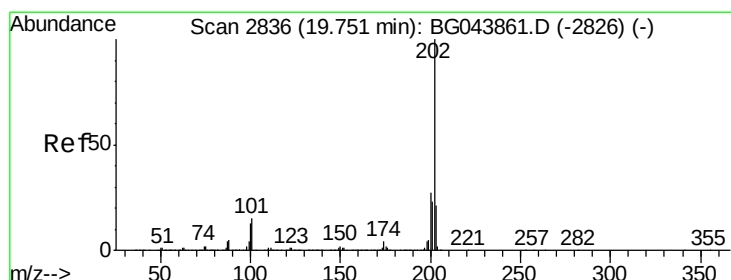
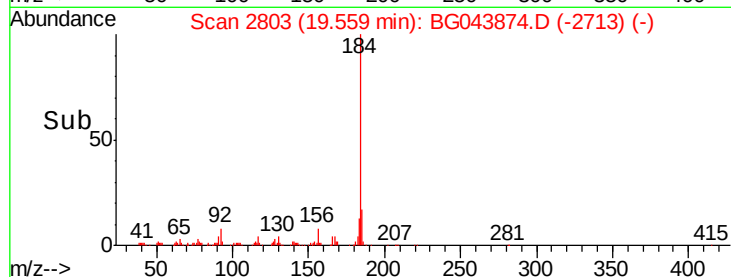
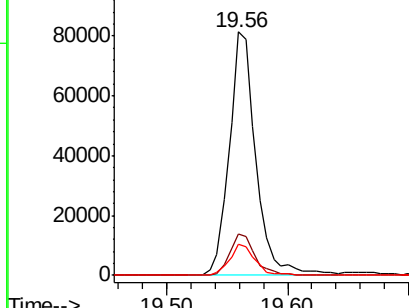


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.458 ng

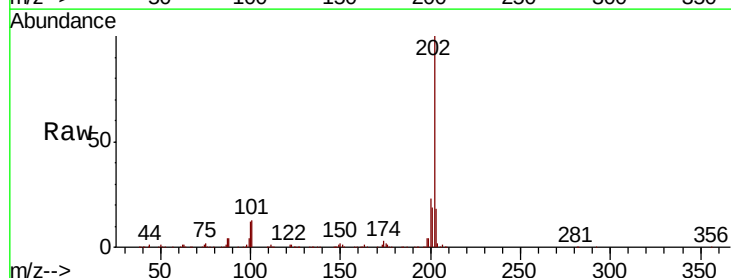
RT: 19.75 min Scan# 2835

Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 392403 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 22.7  | 21.7  | 32.5   |
| 203       | 17.7  | 17.0  | 25.6   |

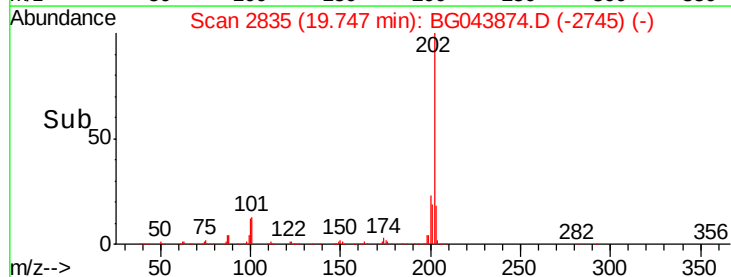
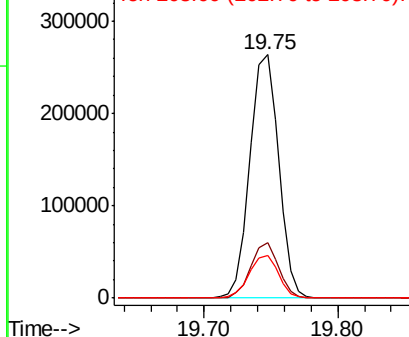


Abundance

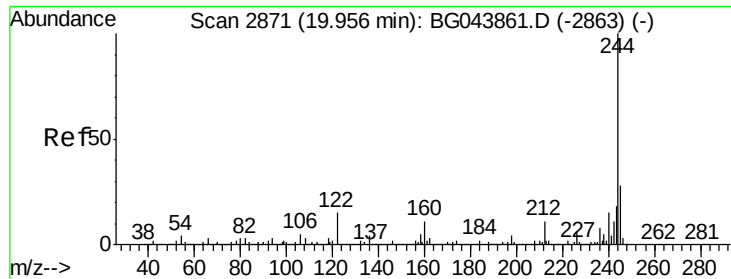
Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#79

Terphenyl-d14

Concen: 97.473 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:244 Resp: 2869872

Ion Ratio Lower Upper

244 100

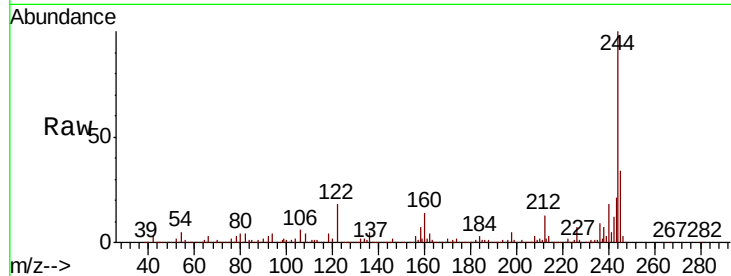
212 13.4 8.6 13.0#

122 18.1 11.9 17.9#

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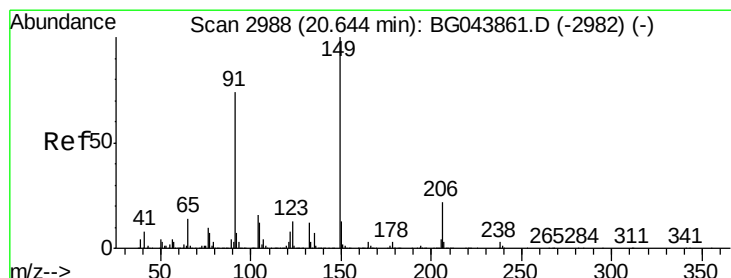
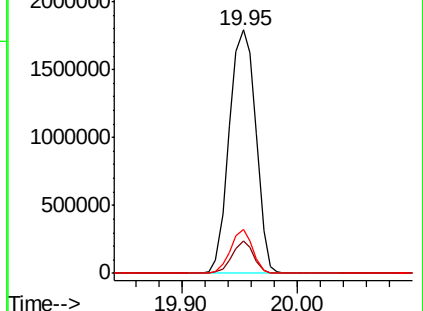
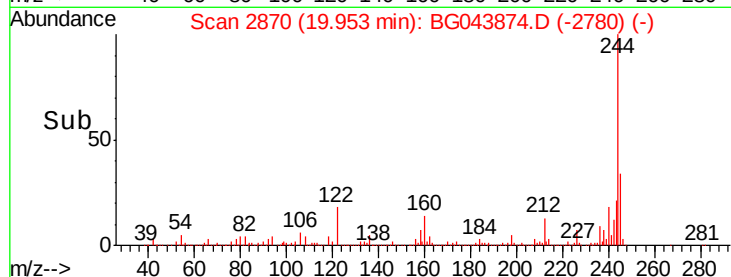
1/3/2020 11:05:08 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 6.447 ng

RT: 20.64 min Scan# 2987

Delta R.T. -0.00 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

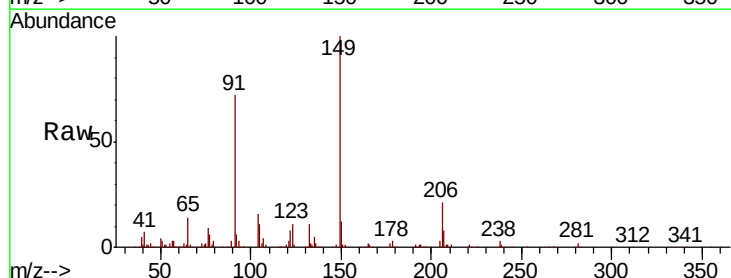
Tgt Ion:149 Resp: 142401

Ion Ratio Lower Upper

149 100

91 71.9 59.5 89.3

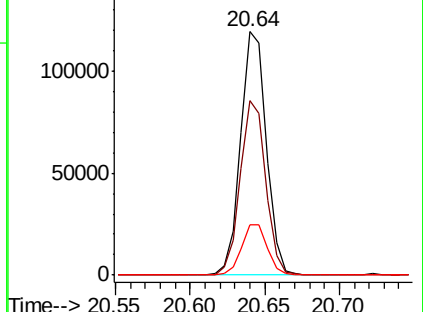
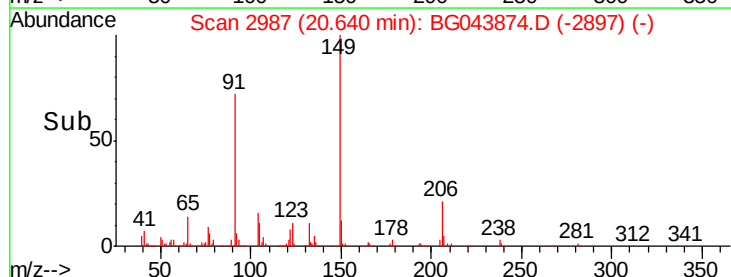
206 20.8 17.8 26.6

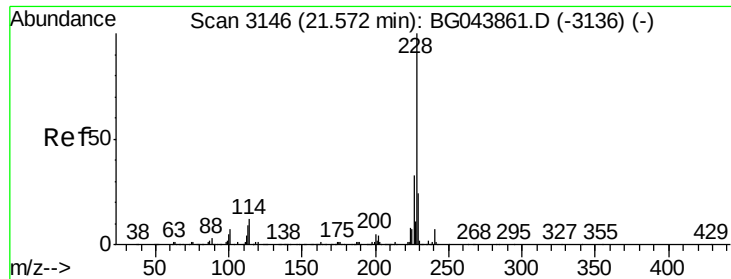


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





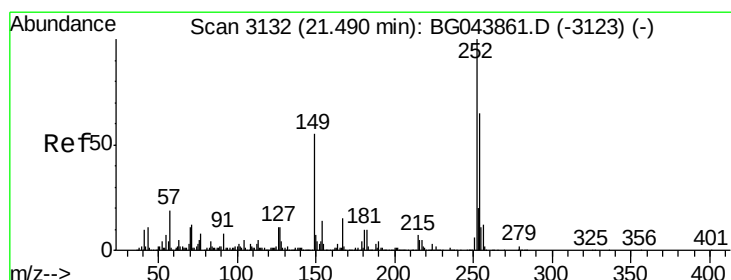
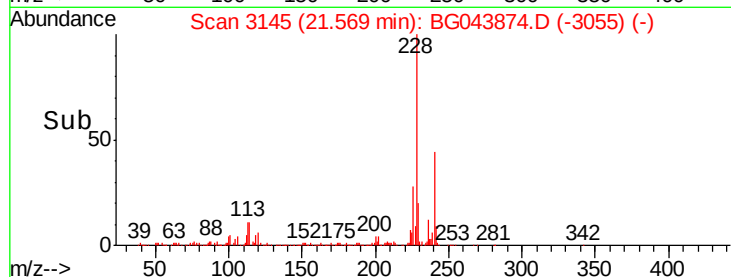
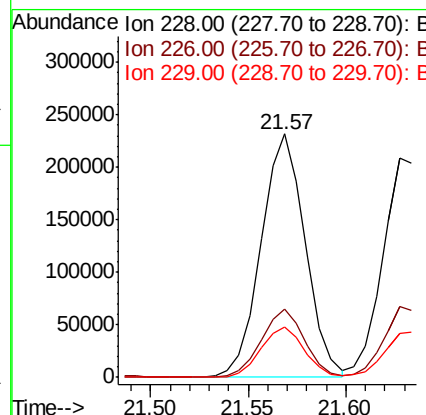
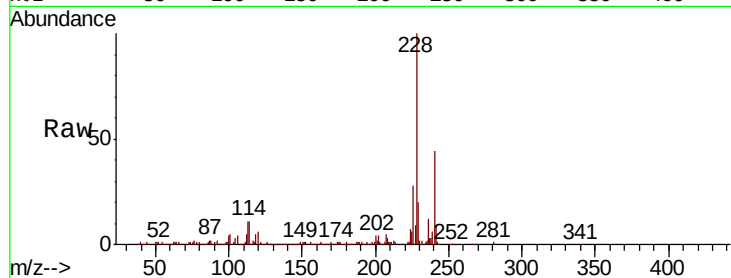
#81  
Benzo(a)anthracene  
Concen: 8.198 ng  
RT: 21.57 min Scan# 3145  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.1  | 26.2  | 39.4  |
| 229     | 20.4  | 18.9  | 28.3  |

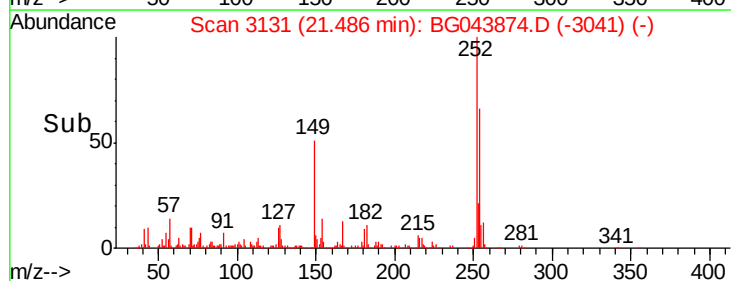
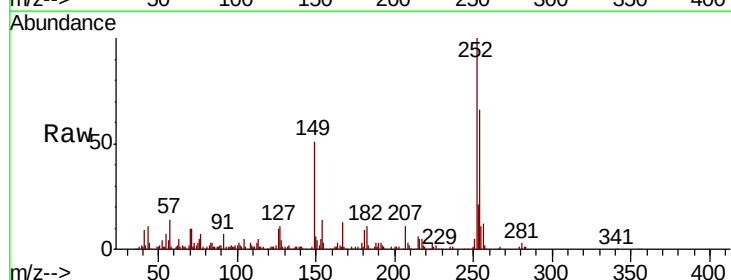
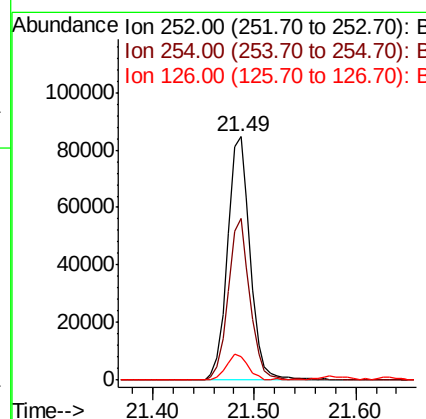
Manual Integrations  
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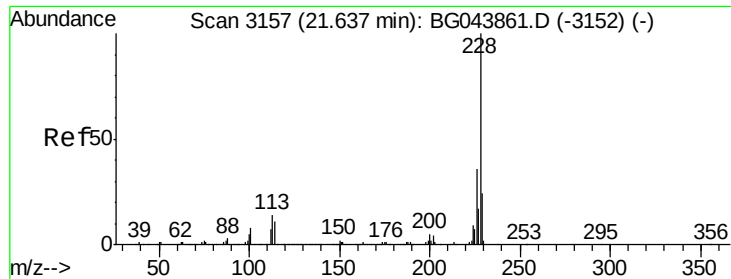
mohammad  
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#82  
3,3'-Dichlorobenzidine  
Concen: 7.522 ng  
RT: 21.49 min Scan# 3131  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 66.2  | 52.1  | 78.1  |
| 126     | 9.5   | 9.1   | 13.7  |





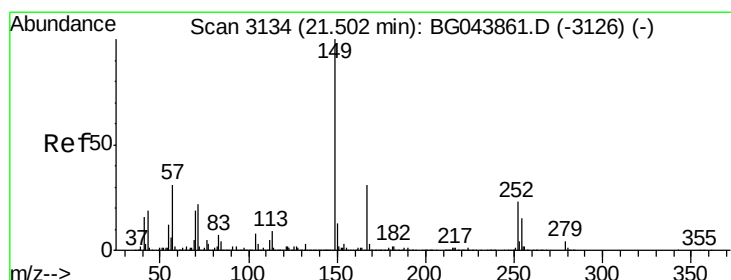
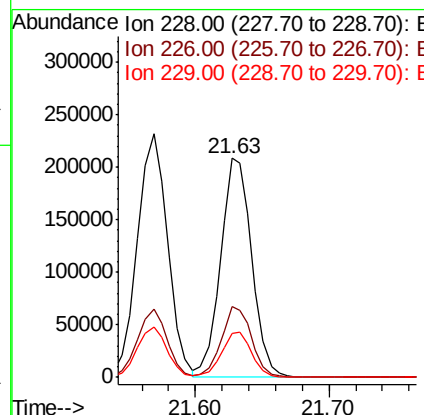
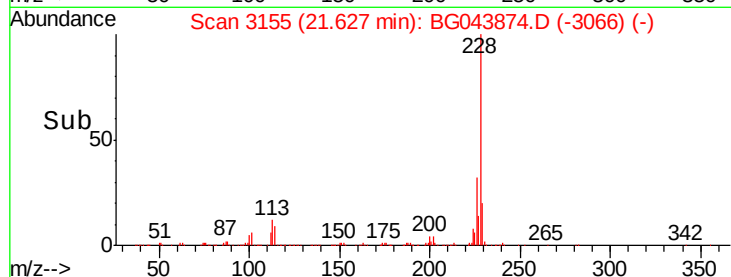
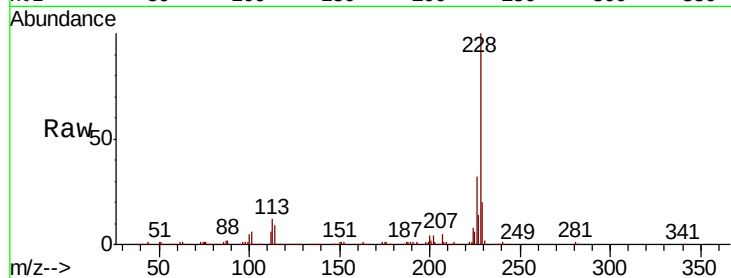
#83  
Chrysene  
Concen: 8.133 ng  
RT: 21.63 min Scan# 3155  
Delta R.T. -0.01 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.5  | 28.8  | 43.2  |
| 229     | 20.3  | 19.0  | 28.6  |

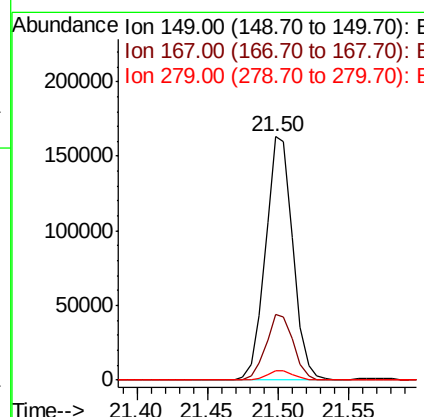
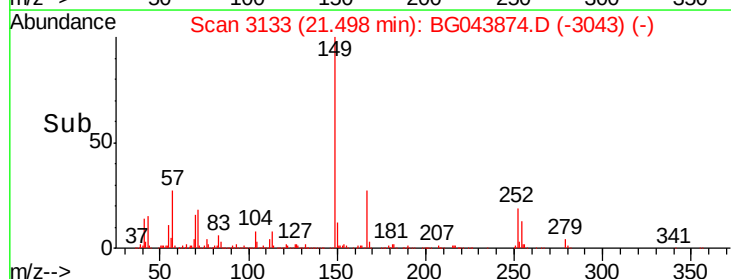
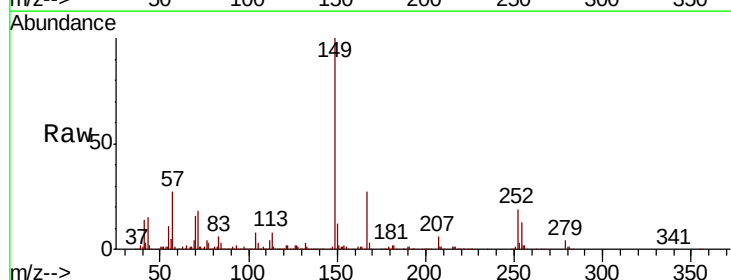
Manual Integrations  
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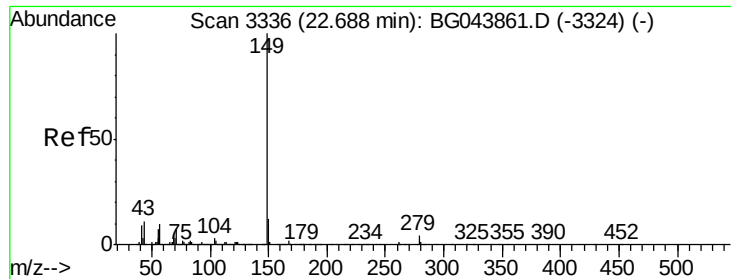
mohammad  
1/3/2020 11:05:08 AM



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 7.309 ng  
RT: 21.50 min Scan# 3133  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.0  | 24.7  | 37.1  |
| 279     | 3.6   | 3.3   | 4.9   |





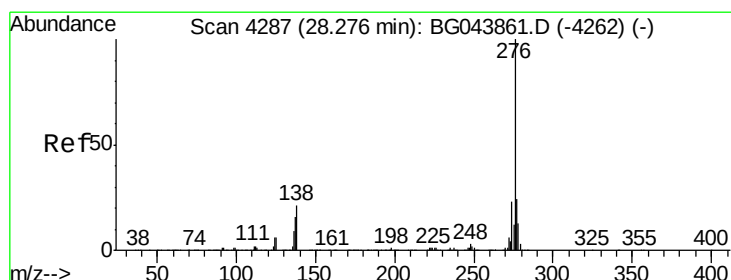
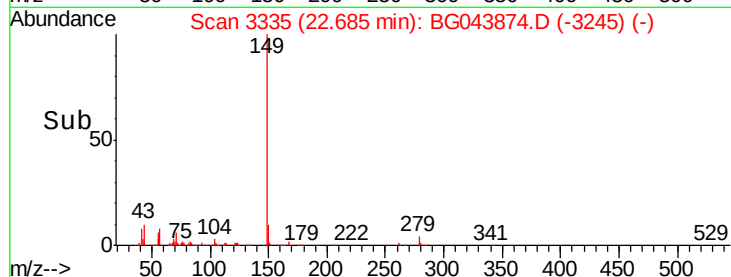
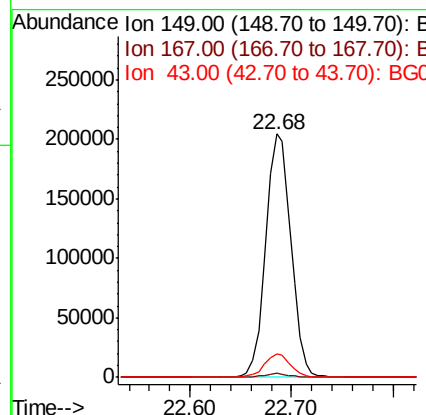
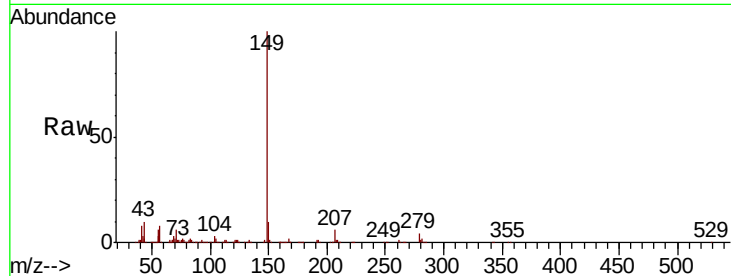
#85  
Di-n-octyl phthalate  
Concen: 6.886 ng  
RT: 22.68 min Scan# 3335  
Delta R.T. -0.00 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.5   | 1.4   | 2.0   |
| 43      | 9.7   | 8.8   | 13.2  |

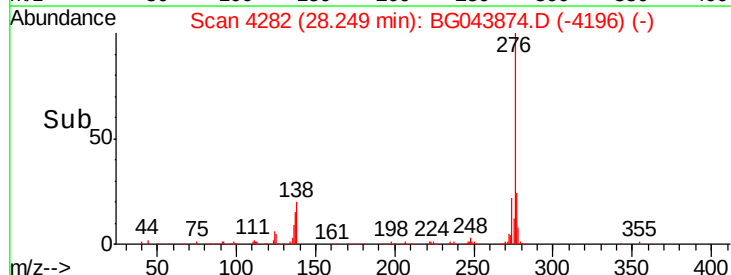
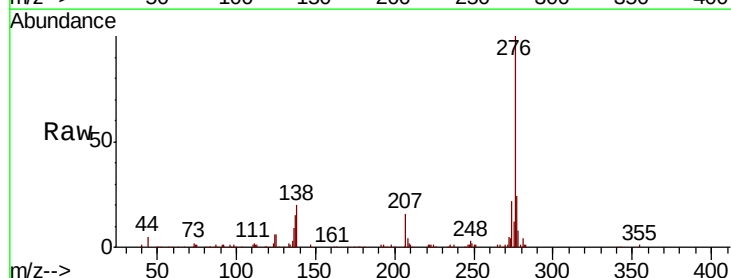
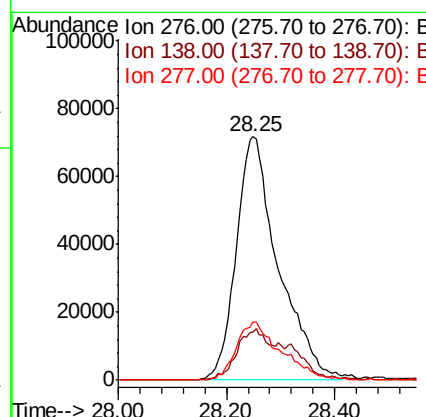
Manual Integrations  
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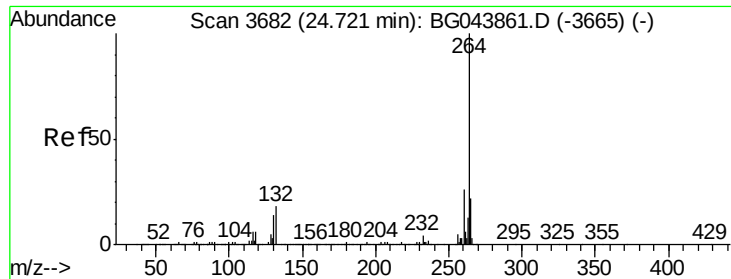
mohammad  
1/3/2020 11:05:08 AM



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 6.838 ng  
RT: 28.25 min Scan# 4282  
Delta R.T. -0.03 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 16.4  | 21.0  | 31.4# |
| 277     | 25.1  | 21.1  | 31.7  |





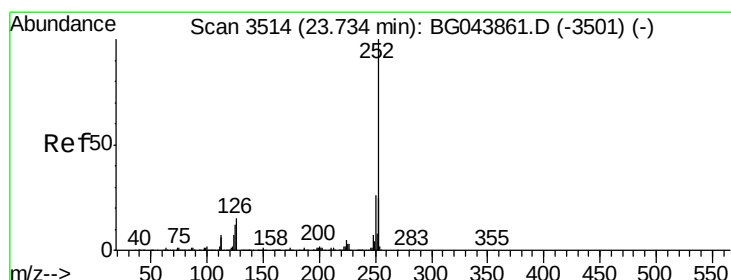
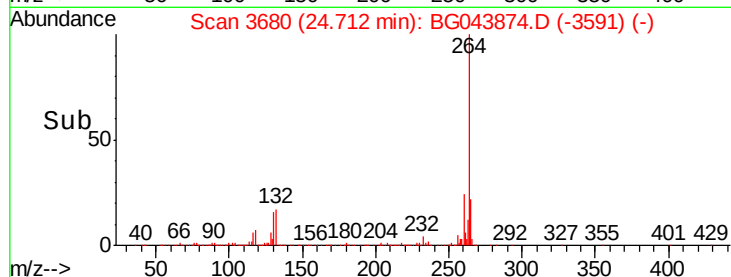
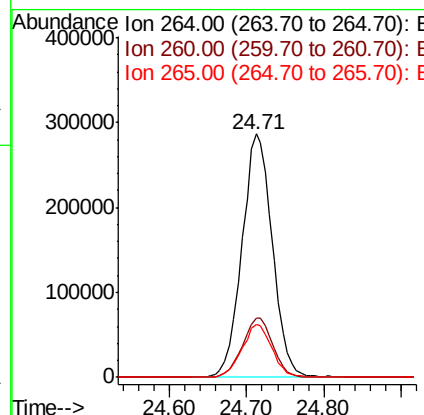
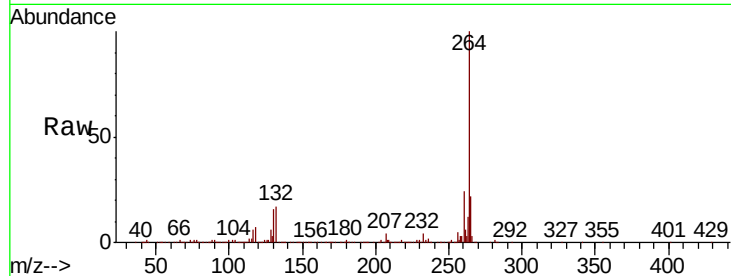
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.71 min Scan# 3680  
Delta R.T. -0.01 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 20.4  | 30.6  |
| 265     | 21.7  | 17.4  | 26.2  |

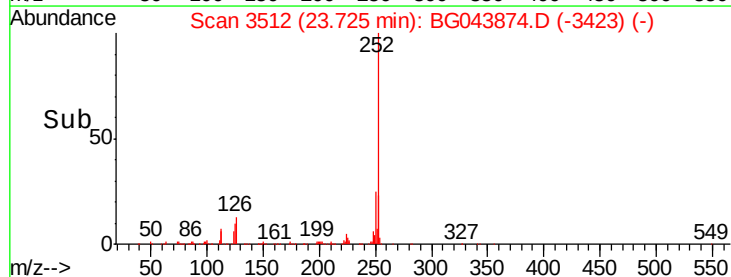
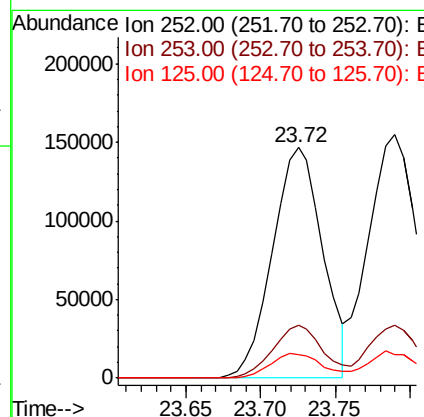
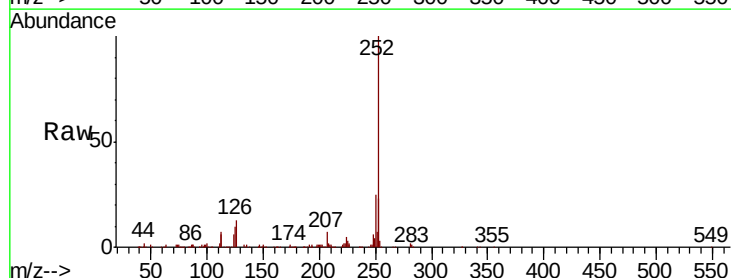
Manual Integrations  
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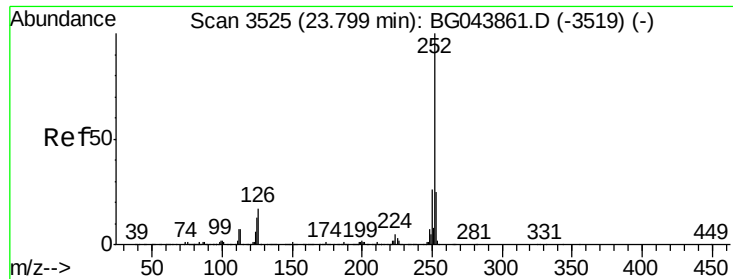
mohammad  
1/3/2020 11:05:08 AM



#88  
Benzo(b)fluoranthene  
Concen: 7.364 ng  
RT: 23.72 min Scan# 3512  
Delta R.T. -0.01 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 19.7  | 29.5  |
| 125     | 10.3  | 9.4   | 14.2  |





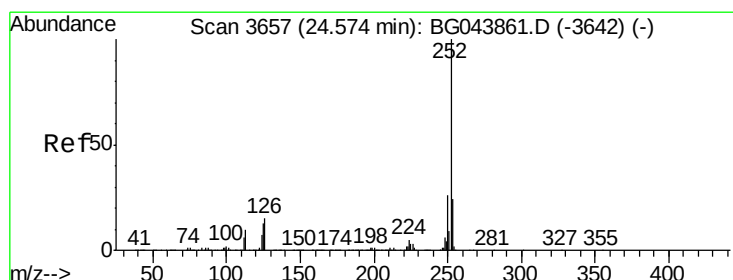
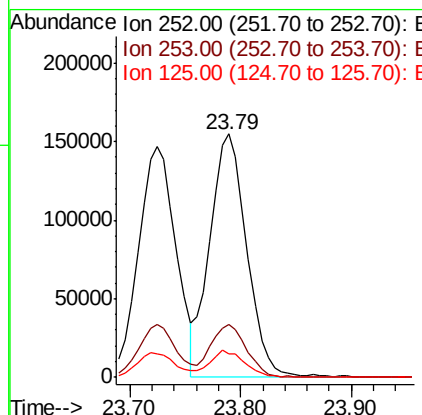
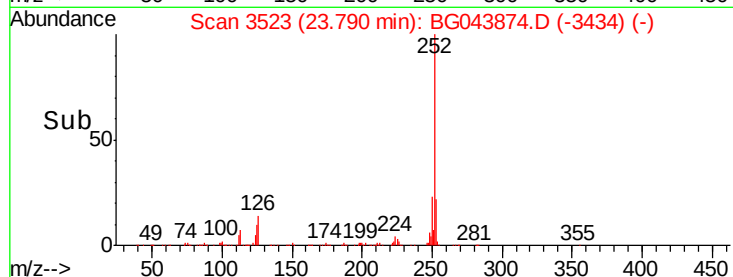
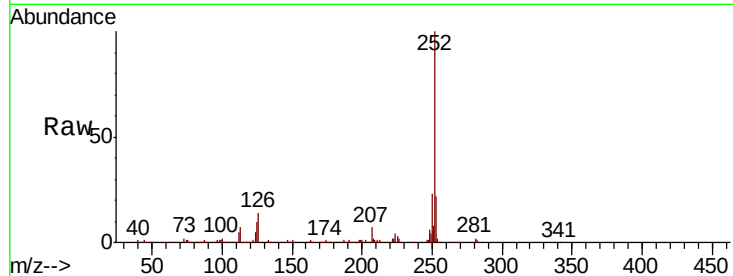
#89  
Benzo(k)fluoranthene  
Concen: 8.126 ng m  
RT: 23.79 min Scan# 3523  
Delta R.T. -0.01 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2019

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 19.4  | 29.2  |
| 125     | 9.9   | 9.9   | 14.9  |

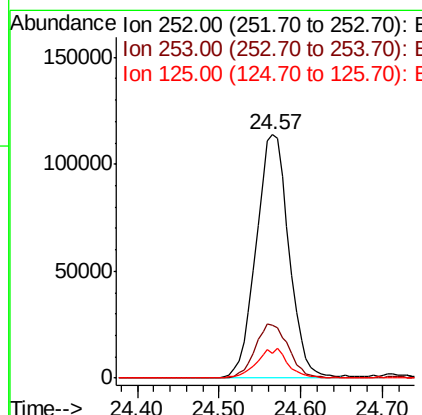
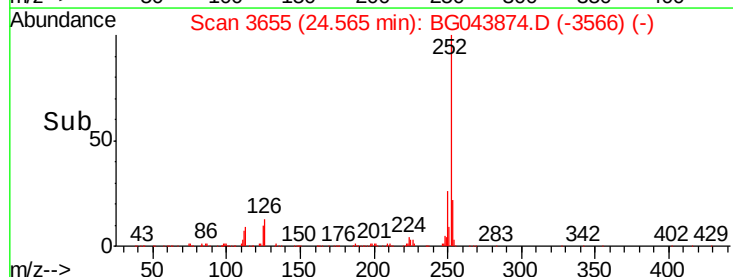
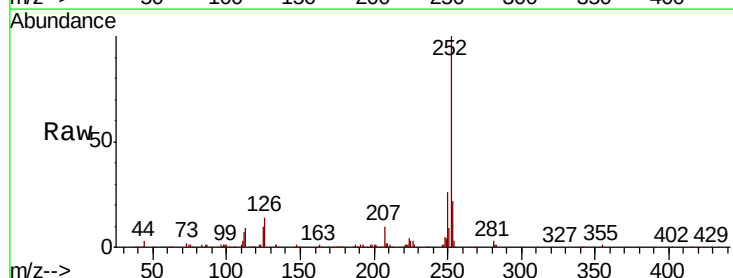
Manual Integrations  
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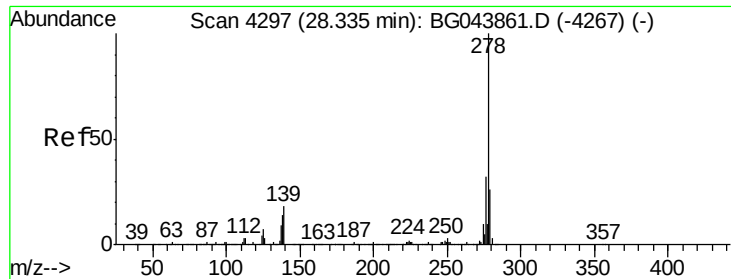
mohammad  
1/3/2020 11:05:08 AM



#90  
Benzo(a)pyrene  
Concen: 7.191 ng  
RT: 24.57 min Scan# 3655  
Delta R.T. -0.01 min  
Lab File: BG043874.D  
Acq: 2 Jan 2020 14:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 19.3  | 28.9  |
| 125     | 10.1  | 10.4  | 15.6  |





#91

Dibenzo(a,h)anthracene

Concen: 7.442 ng

RT: 28.32 min Scan# 4294

Delta R.T. -0.02 min

Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

Instrument :

BNA\_G

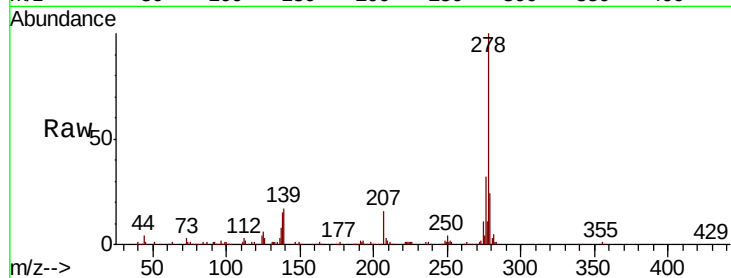
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

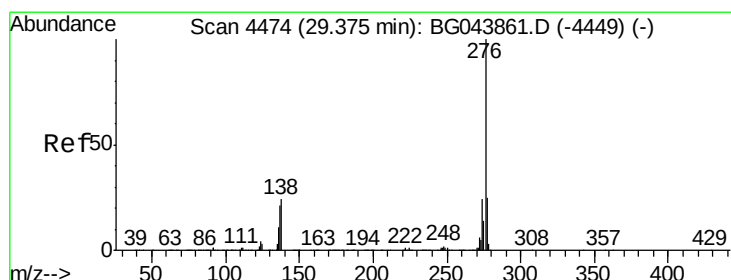
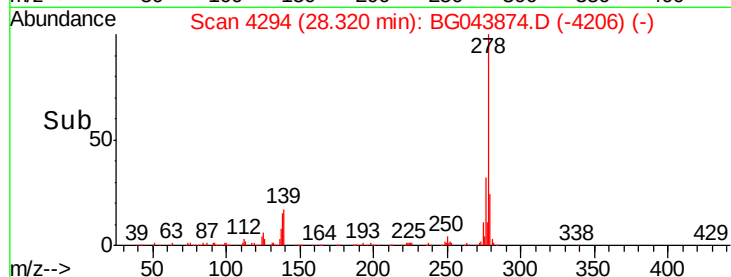
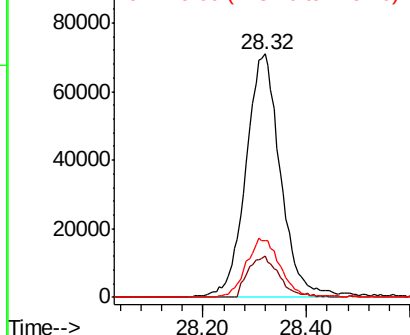
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 278   | Resp: | 329815 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 17.2  | 14.2  | 21.4   |
| 279       | 23.5  | 20.6  | 30.8   |

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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: 7.335 ng

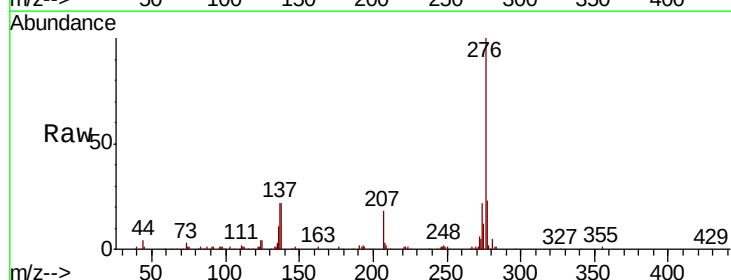
RT: 29.35 min Scan# 4470

Delta R.T. -0.02 min

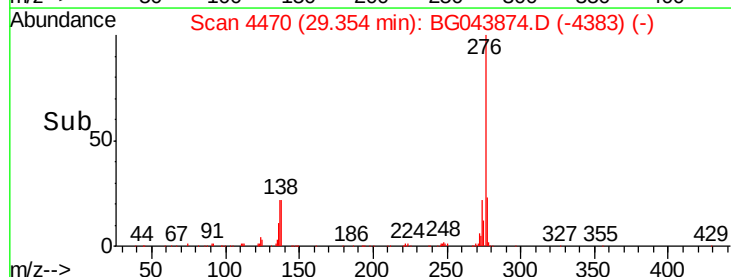
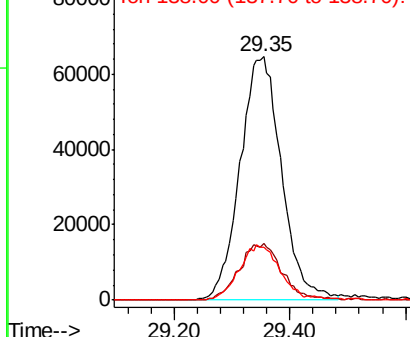
Lab File: BG043874.D

Acq: 2 Jan 2020 14:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 322906 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.2  | 20.2  | 30.4   |
| 138       | 21.6  | 19.0  | 28.6   |



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\BG010220\  
 Data File : BG043874.D  
 Acq On : 2 Jan 2020 14:21  
 Operator : JU  
 Sample : K5111-01  
 Misc : LOD-MDL SOIL 8PPM  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2019

Manual Integrations  
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 1/3/2020 11:05:08 AM

Quant Time: Jan 02 16:31:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 02 16:18:03 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.96  | 152  | 124510   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.76 | 136  | 556720   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.59 | 164  | 368771   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.34 | 188  | 809900   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.59 | 240  | 710791   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.71 | 264  | 790925   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.53  | 112 | 941178  | 138.79 | ng | 0.00 |
| 7) Phenol-d6             | 7.12  | 99  | 1307582 | 137.95 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.12  | 82  | 1021397 | 98.15  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.08 | 330 | 558287  | 144.67 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.22 | 172 | 2145828 | 105.42 | ng | 0.00 |
| 79) Terphenyl-d14        | 19.95 | 244 | 2869872 | 97.47  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.44  | 88  | 22836  | 7.723 | ng | 95     |
| 3) Pyridine                    | 3.84  | 79  | 57739  | 6.610 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.75  | 42  | 27964  | 7.191 | ng | # 99   |
| 6) Aniline                     | 7.29  | 93  | 95220  | 7.648 | ng | 98     |
| 8) 2-Chlorophenol              | 7.53  | 128 | 61597  | 7.737 | ng | 98     |
| 9) Benzaldehyde                | 7.10  | 77  | 59230  | 9.763 | ng | 98     |
| 10) Phenol                     | 7.15  | 94  | 73839  | 7.561 | ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 7.38  | 93  | 64350  | 7.633 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 7.86  | 146 | 71666  | 7.693 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 8.00  | 146 | 70725  | 7.694 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.32  | 146 | 66240  | 7.508 | ng | 98     |
| 15) Benzyl Alcohol             | 8.20  | 79  | 53413  | 7.140 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.49  | 45  | 94954  | 7.280 | ng | 96     |
| 17) 2-Methylphenol             | 8.40  | 107 | 51508  | 7.288 | ng | 96     |
| 18) Hexachloroethane           | 9.05  | 117 | 26467  | 7.400 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.77  | 70  | 54103  | 7.664 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.72  | 107 | 70183  | 7.119 | ng | 98     |
| 22) Acetophenone               | 8.78  | 105 | 104672 | 7.563 | ng | # 96   |
| 24) Nitrobenzene               | 9.15  | 77  | 77231  | 7.493 | ng | 95     |
| 25) Isophorone                 | 9.68  | 82  | 145375 | 7.446 | ng | 98     |
| 26) 2-Nitrophenol              | 9.88  | 139 | 28774  | 5.901 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.94  | 122 | 41738  | 5.686 | ng | 90     |
| 28) bis(2-Chloroethoxy)methane | 10.17 | 93  | 93941  | 7.217 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.41 | 162 | 60136  | 6.868 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 10.63 | 180 | 69734  | 7.103 | ng | 96     |
| 31) Naphthalene                | 10.81 | 128 | 214661 | 7.968 | ng | 97     |
| 32) Benzoic acid               | 9.99  | 122 | 10005  | 1.826 | ng | 88     |
| 33) 4-Chloroaniline            | 10.92 | 127 | 89338  | 6.953 | ng | 99     |
| 34) Hexachlorobutadiene        | 11.11 | 225 | 40092  | 6.688 | ng | 96     |
| 35) Caprolactam                | 11.65 | 113 | 22086  | 6.776 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 12.04 | 107 | 64369  | 6.906 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.42 | 142 | 162565 | 8.015 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.64 | 142 | 157261 | 8.181 | ng | 95     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.78 | 216 | 79646  | 7.369 | ng | 99     |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010220\  
 Data File : BG043874.D  
 Acq On : 2 Jan 2020 14:21  
 Operator : JU  
 Sample : K5111-01  
 Misc : LOD-MDL SOIL 8PPM  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2019

Manual Integrations  
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mohammad  
 1/3/2020 11:05:08 AM

Quant Time: Jan 02 16:31:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 02 16:18:03 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.78 | 237  | 37794    | 6.745 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 13.03 | 196  | 47193    | 6.345 | ng    | 96       |
| 44) 2,4,5-Trichlorophenol      | 13.10 | 196  | 54870    | 7.153 | ng    | 95       |
| 46) 1,1'-Biphenyl              | 13.43 | 154  | 213024   | 8.057 | ng    | 96       |
| 47) 2-Chloronaphthalene        | 13.47 | 162  | 159882   | 7.483 | ng    | 93       |
| 48) 2-Nitroaniline             | 13.66 | 65   | 41096    | 5.980 | ng    | 95       |
| 49) Acenaphthylene             | 14.31 | 152  | 257131   | 8.373 | ng    | 96       |
| 50) Dimethylphthalate          | 14.04 | 163  | 211453   | 8.076 | ng    | 96       |
| 51) 2,6-Dinitrotoluene         | 14.15 | 165  | 41019    | 6.931 | ng    | 96       |
| 52) Acenaphthene               | 14.66 | 154  | 161456   | 7.497 | ng    | 97       |
| 53) 3-Nitroaniline             | 14.48 | 138  | 44508    | 6.623 | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 14.69 | 184  | 9064     | 3.397 | ng    | # 72     |
| 55) Dibenzofuran               | 14.99 | 168  | 259525   | 8.754 | ng    | 96       |
| 56) 4-Nitrophenol              | 14.79 | 139  | 31077    | 6.034 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 14.94 | 165  | 56624    | 7.031 | ng    | 96       |
| 58) Fluorene                   | 15.64 | 166  | 202378   | 8.613 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.22 | 232  | 46112    | 6.991 | ng    | 97       |
| 60) Diethylphthalate           | 15.41 | 149  | 213870   | 8.166 | ng    | 94       |
| 61) 4-Chlorophenyl-phenylether | 15.63 | 204  | 104730   | 8.208 | ng    | 94       |
| 62) 4-Nitroaniline             | 15.64 | 138  | 45941    | 6.922 | ng    | 99       |
| 63) Azobenzene                 | 15.93 | 77   | 203938   | 8.397 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylphenol | 15.70 | 198  | 19650    | 4.989 | ng    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.85 | 169  | 183904   | 7.711 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether  | 16.53 | 248  | 62897    | 6.905 | ng    | 94       |
| 68) Hexachlorobenzene          | 16.65 | 284  | 68570    | 6.986 | ng    | 98       |
| 69) Atrazine                   | 16.79 | 200  | 54906    | 7.082 | ng    | 99       |
| 70) Pentachlorophenol          | 16.99 | 266  | 24954    | 4.612 | ng    | 93       |
| 71) Phenanthrene               | 17.38 | 178  | 327133   | 8.421 | ng    | 94       |
| 72) Anthracene                 | 17.47 | 178  | 327473   | 8.530 | ng    | 94       |
| 73) Carbazole                  | 17.73 | 167  | 295604   | 8.336 | ng    | 93       |
| 74) Di-n-butylphthalate        | 18.31 | 149  | 360622   | 7.965 | ng    | # 93     |
| 75) Fluoranthene               | 19.39 | 202  | 378759   | 8.525 | ng    | 93       |
| 77) Benzidine                  | 19.56 | 184  | 125007   | 6.997 | ng    | 99       |
| 78) Pyrene                     | 19.75 | 202  | 392403   | 8.458 | ng    | 92       |
| 80) Butylbenzylphthalate       | 20.64 | 149  | 142401   | 6.447 | ng    | 97       |
| 81) Benzo(a)anthracene         | 21.57 | 228  | 361326   | 8.198 | ng    | 92       |
| 82) 3,3'-Dichlorobenzidine     | 21.49 | 252  | 130982   | 7.522 | ng    | 98       |
| 83) Chrysene                   | 21.63 | 228  | 340618   | 8.133 | ng    | 94       |
| 84) Bis(2-ethylhexyl)phthalate | 21.50 | 149  | 222756   | 7.309 | ng    | 94       |
| 85) Di-n-octyl phthalate       | 22.68 | 149  | 352817   | 6.886 | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.25 | 276  | 389170   | 6.838 | ng    | # 89     |
| 88) Benzo(b)fluoranthene       | 23.72 | 252  | 344343   | 7.364 | ng    | 96       |
| 89) Benzo(k)fluoranthene       | 23.79 | 252  | 361325m  | 8.126 | ng    |          |
| 90) Benzo(a)pyrene             | 24.57 | 252  | 317350   | 7.191 | ng    | # 94     |
| 91) Dibenzo(a,h)anthracene     | 28.32 | 278  | 329815   | 7.442 | ng    | 97       |
| 92) Benzo(g,h,i)perylene       | 29.35 | 276  | 322906   | 7.335 | ng    | 96       |

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