

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\  
 Data File : BG045425.D  
 Acq On : 19 May 2020 15:26  
 Operator : CG/JU  
 Sample : L2182-01  
 Misc : SOIL- LOD- 5PPM  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

Manual Integrations  
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 5/20/2020 1:19:55 PM

Quant Time: May 20 05:57:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 19 12:10:36 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.97  | 152  | 82041    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.78 | 136  | 346323   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.61 | 164  | 251706   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.36 | 188  | 599013   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.61 | 240  | 592801   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.78 | 264  | 633090   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.58  | 112 | 542896  | 129.32 | ng | 0.00 |
| 7) Phenol-d6             | 7.20  | 99  | 774407  | 129.61 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.13  | 82  | 535854  | 84.37  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.11 | 330 | 432351  | 134.31 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.24 | 172 | 1268034 | 85.45  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.98 | 244 | 2330966 | 91.71  | ng | 0.00 |

## Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.42  | 88  | 7205  | 3.461 | ng | # 89   |
| 3) Pyridine                    | 3.83  | 79  | 17626 | 3.040 | ng | # 86   |
| 4) n-Nitrosodimethylamine      | 3.74  | 42  | 6392  | 3.369 | ng | # 79   |
| 6) Aniline                     | 7.30  | 93  | 33605 | 4.308 | ng | 95     |
| 8) 2-Chlorophenol              | 7.56  | 128 | 19019 | 4.131 | ng | 91     |
| 9) Benzaldehyde                | 7.10  | 77  | 19008 | 4.883 | ng | 88     |
| 10) Phenol                     | 7.23  | 94  | 26477 | 4.300 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 7.39  | 93  | 20498 | 4.268 | ng | 86     |
| 12) 1,3-Dichlorobenzene        | 7.86  | 146 | 22896 | 4.139 | ng | 91     |
| 13) 1,4-Dichlorobenzene        | 8.00  | 146 | 23987 | 4.394 | ng | 93     |
| 14) 1,2-Dichlorobenzene        | 8.33  | 146 | 23084 | 4.396 | ng | 94     |
| 15) Benzyl Alcohol             | 8.23  | 79  | 19056 | 3.861 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.50  | 45  | 20025 | 4.392 | ng | 97     |
| 17) 2-Methylphenol             | 8.47  | 107 | 17373 | 3.769 | ng | # 90   |
| 18) Hexachloroethane           | 9.06  | 117 | 9030  | 4.319 | ng | # 89   |
| 19) n-Nitroso-di-n-propylamine | 8.77  | 70  | 17529 | 4.242 | ng | 95     |
| 20) 3+4-Methylphenols          | 8.80  | 107 | 21658 | 3.451 | ng | # 54   |
| 22) Acetophenone               | 8.79  | 105 | 34844 | 4.245 | ng | # 92   |
| 24) Nitrobenzene               | 9.18  | 77  | 28733 | 4.223 | ng | 94     |
| 25) Isophorone                 | 9.70  | 82  | 53680 | 4.292 | ng | 97     |
| 26) 2-Nitrophenol              | 9.90  | 139 | 10680 | 3.669 | ng | # 84   |
| 27) 2,4-Dimethylphenol         | 9.99  | 122 | 19912 | 4.612 | ng | 91     |
| 28) bis(2-Chloroethoxy)methane | 10.19 | 93  | 28436 | 4.335 | ng | # 96   |
| 29) 2,4-Dichlorophenol         | 10.47 | 162 | 18656 | 3.659 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.64 | 180 | 25067 | 4.161 | ng | 97     |
| 31) Naphthalene                | 10.83 | 128 | 71017 | 4.400 | ng | 98     |
| 32) Benzoic acid               | 10.11 | 122 | 9652m | 3.723 | ng |        |
| 33) 4-Chloroaniline            | 10.95 | 127 | 25904 | 3.840 | ng | # 91   |
| 34) Hexachlorobutadiene        | 11.12 | 225 | 16403 | 3.852 | ng | 90     |
| 35) Caprolactam                | 11.69 | 113 | 7988  | 4.269 | ng | 92     |
| 36) 4-Chloro-3-methylphenol    | 12.12 | 107 | 24813 | 4.319 | ng | 92     |
| 37) 2-Methylnaphthalene        | 12.44 | 142 | 52481 | 4.363 | ng | 94     |
| 38) 1-Methylnaphthalene        | 12.66 | 142 | 49585 | 4.364 | ng | 84     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.81 | 216 | 29212 | 4.155 | ng | 99     |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 19 12:10:36 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.79 | 237  | 10872    | 2.679 | ng    | 93       |
| 43) 2,4,6-Trichlorophenol      | 13.07 | 196  | 18797    | 3.849 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.16 | 196  | 20057    | 3.594 | ng    | # 93     |
| 46) 1,1'-Biphenyl              | 13.44 | 154  | 71350    | 4.613 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.48 | 162  | 53121    | 4.230 | ng    | 98       |
| 48) 2-Nitroaniline             | 13.70 | 65   | 14613    | 3.537 | ng    | 99       |
| 49) Acenaphthylene             | 14.33 | 152  | 93132    | 4.617 | ng    | 98       |
| 50) Dimethylphthalate          | 14.07 | 163  | 76167    | 4.411 | ng    | # 98     |
| 51) 2,6-Dinitrotoluene         | 14.18 | 165  | 15928    | 4.088 | ng    | 98       |
| 52) Acenaphthene               | 14.68 | 154  | 53553    | 3.966 | ng    | 94       |
| 53) 3-Nitroaniline             | 14.54 | 138  | 13701    | 3.459 | ng    | 91       |
| 54) 2,4-Dinitrophenol          | 14.75 | 184  | 171      | 0.076 | ng    | # 17     |
| 55) Dibenzofuran               | 15.01 | 168  | 90030    | 4.490 | ng    | 99       |
| 56) 4-Nitrophenol              | 14.92 | 139  | 9913     | 3.306 | ng    | # 83     |
| 57) 2,4-Dinitrotoluene         | 14.98 | 165  | 22958    | 4.069 | ng    | # 97     |
| 58) Fluorene                   | 15.66 | 166  | 75572    | 4.587 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.26 | 232  | 19843    | 4.041 | ng    | 95       |
| 60) Diethylphthalate           | 15.43 | 149  | 81970    | 4.561 | ng    | 96       |
| 61) 4-Chlorophenyl-phenylether | 15.65 | 204  | 39247    | 4.163 | ng    | 92       |
| 62) 4-Nitroaniline             | 15.69 | 138  | 15709    | 3.799 | ng    | 86       |
| 63) Azobenzene                 | 15.95 | 77   | 72413    | 4.321 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.75 | 198  | 8488     | 2.433 | ng    | 90       |
| 66) n-Nitrosodiphenylamine     | 15.87 | 169  | 67591    | 4.700 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether  | 16.55 | 248  | 26774    | 4.128 | ng    | 95       |
| 68) Hexachlorobenzene          | 16.67 | 284  | 31327    | 4.618 | ng    | 92       |
| 69) Atrazine                   | 16.82 | 200  | 28395    | 4.793 | ng    | 95       |
| 70) Pentachlorophenol          | 17.04 | 266  | 2489     | 0.707 | ng    | # 71     |
| 71) Phenanthrene               | 17.40 | 178  | 130826   | 5.003 | ng    | 99       |
| 72) Anthracene                 | 17.49 | 178  | 132398   | 5.042 | ng    | 97       |
| 73) Carbazole                  | 17.77 | 167  | 122801   | 4.797 | ng    | 97       |
| 74) Di-n-butylphthalate        | 18.33 | 149  | 148138   | 4.822 | ng    | 99       |
| 75) Fluoranthene               | 19.41 | 202  | 169153   | 5.086 | ng    | 98       |
| 77) Benzidine                  | 19.60 | 184  | 42503    | 2.553 | ng    | 96       |
| 78) Pyrene                     | 19.77 | 202  | 171087   | 5.063 | ng    | 96       |
| 80) Butylbenzylphthalate       | 20.66 | 149  | 69921    | 4.794 | ng    | 90       |
| 81) Benzo(a)anthracene         | 21.60 | 228  | 165133   | 5.001 | ng    | 96       |
| 82) 3,3'-Dichlorobenzidine     | 21.52 | 252  | 62006    | 4.787 | ng    | 96       |
| 83) Chrysene                   | 21.66 | 228  | 156019   | 4.914 | ng    | 95       |
| 84) Bis(2-ethylhexyl)phthalate | 21.51 | 149  | 94000    | 4.688 | ng    | # 96     |
| 85) Di-n-octyl phthalate       | 22.70 | 149  | 157882   | 4.585 | ng    | # 95     |
| 86) Indeno(1,2,3-cd)pyrene     | 28.34 | 276  | 180222   | 4.340 | ng    | # 94     |
| 88) Benzo(b)fluoranthene       | 23.78 | 252  | 158098   | 4.656 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 23.84 | 252  | 159915   | 5.013 | ng    | 98       |
| 90) Benzo(a)pyrene             | 24.62 | 252  | 147789   | 4.674 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene     | 28.41 | 278  | 150202   | 4.727 | ng    | # 97     |
| 92) Benzo(g,h,i)perylene       | 29.46 | 276  | 149864   | 4.716 | ng    | 99       |

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

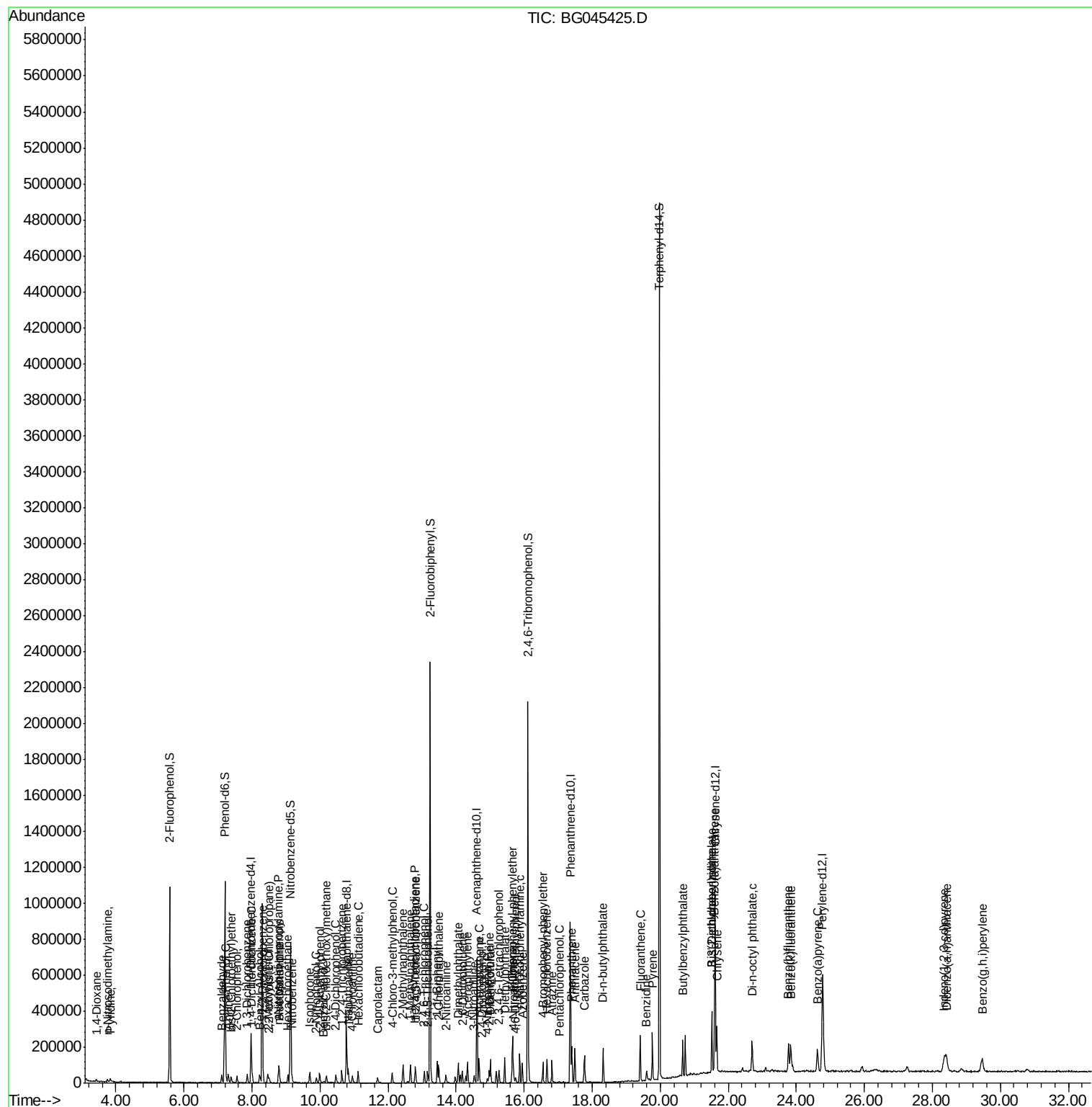
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\  
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Acq On : 19 May 2020 15:26  
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Sample : L2182-01  
Misc : SOIL- LOD- 5PPM  
ALS Vial : 5 Sample Multiplier: 1

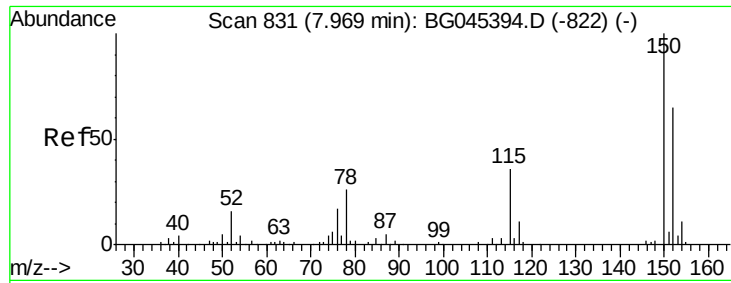
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

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QLast Update : Tue May 19 12:10:36 2020  
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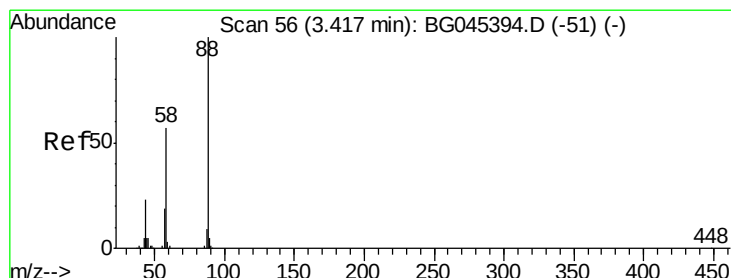
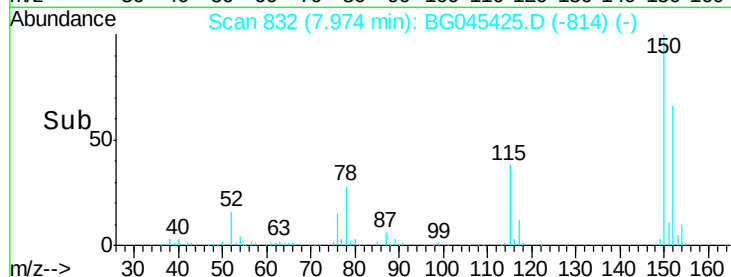
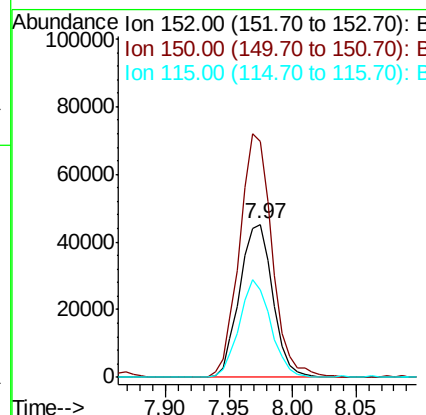
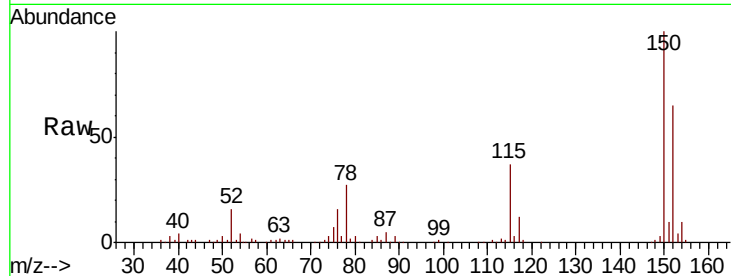
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 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.97 min Scan# 832  
 Delta R.T. 0.01 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.2 | 122.4 | 183.6 |
| 115     | 57.5  | 44.2  | 66.4  |

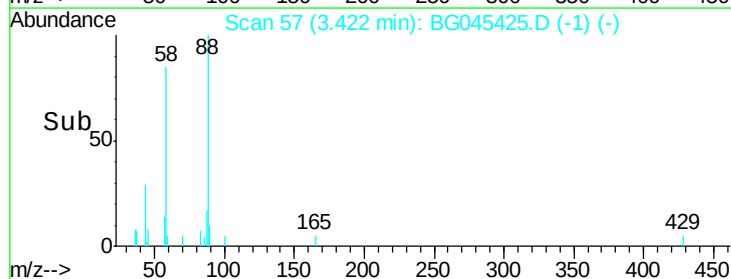
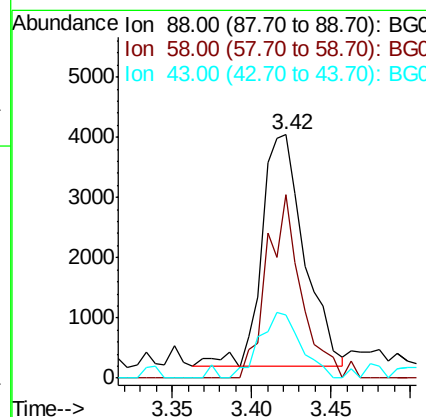
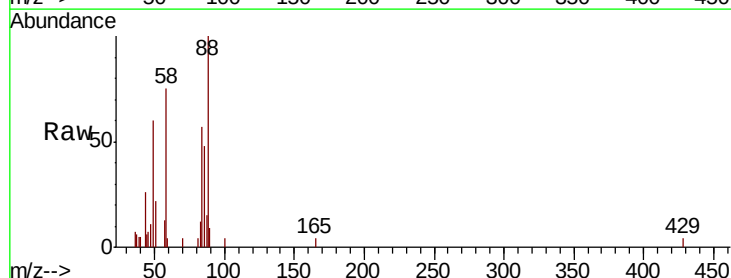
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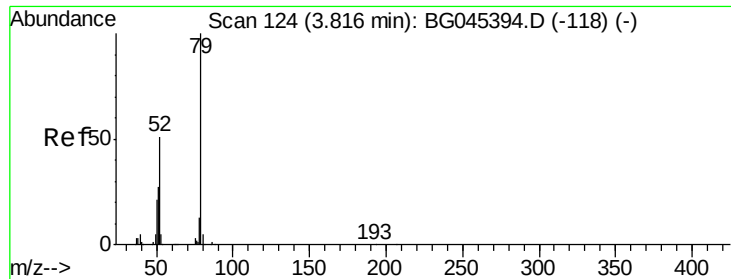
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#2  
 1,4-Dioxane  
 Concen: 3.461 ng  
 RT: 3.42 min Scan# 57  
 Delta R.T. 0.01 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 64.6  | 45.7  | 68.5  |
| 43      | 27.4  | 16.8  | 25.2  |





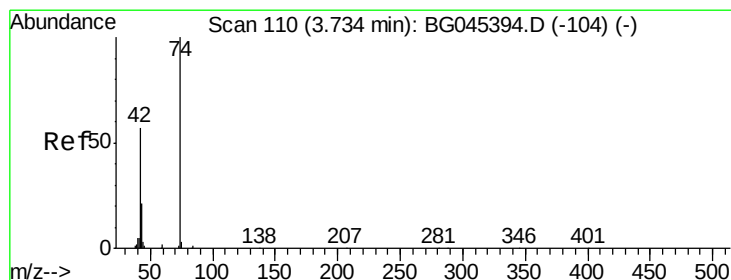
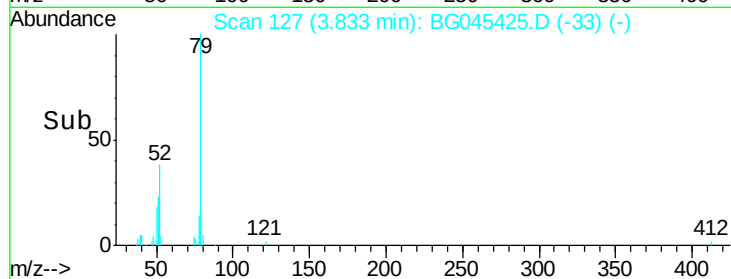
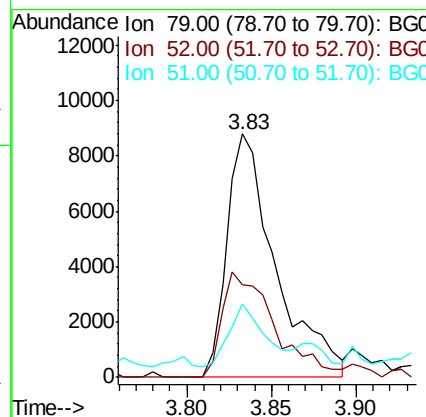
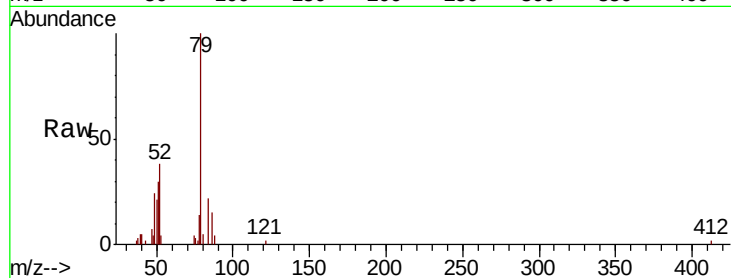
#3  
 Pvridine  
 Concen: 3.040 ng  
 RT: 3.83 min Scan# 127  
 Delta R.T. 0.02 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 38.2  | 40.8  | 61.2# |
| 51      | 30.3  | 21.9  | 32.9  |

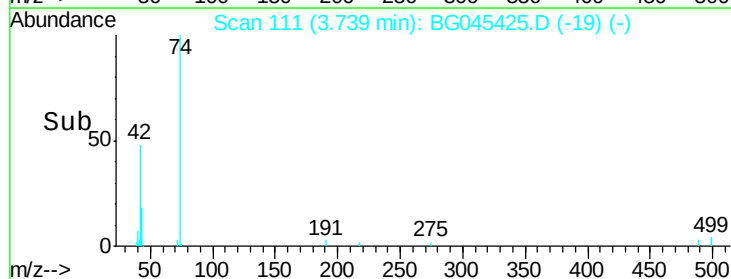
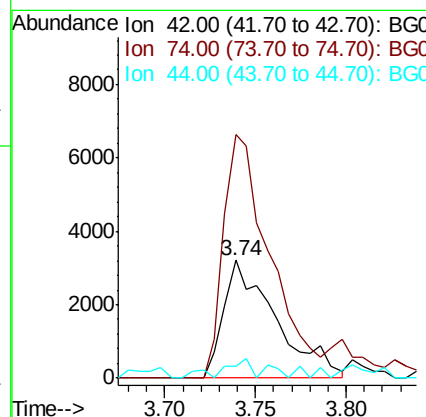
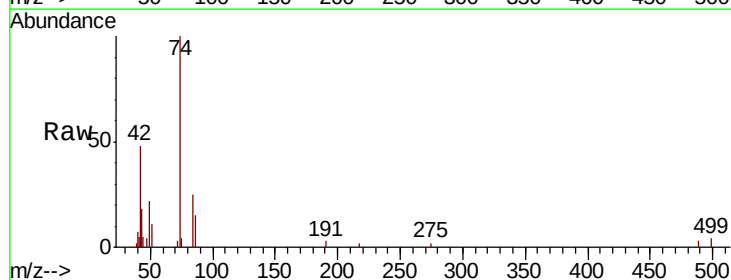
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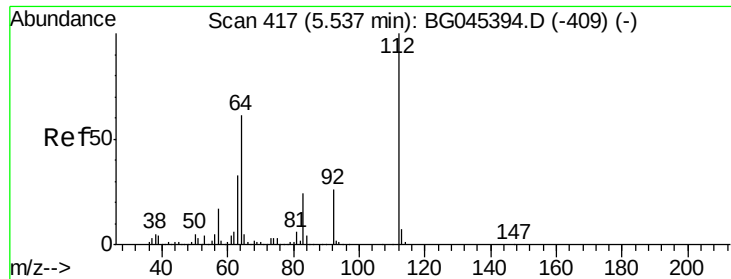
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#4  
 n-Nitrosodimethylamine  
 Concen: 3.369 ng  
 RT: 3.74 min Scan# 111  
 Delta R.T. 0.01 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 206.9 | 141.3 | 211.9 |
| 44      | 10.3  | 4.2   | 6.4#  |





#5

2-Fluorophenol

Concen: 129.323 ng

RT: 5.58 min Scan# 424

Delta R.T. 0.00 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

Instrument :

BNA\_G

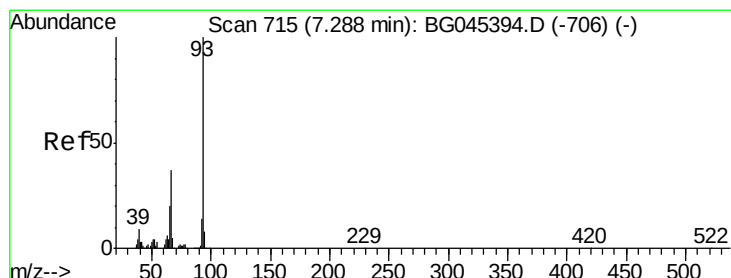
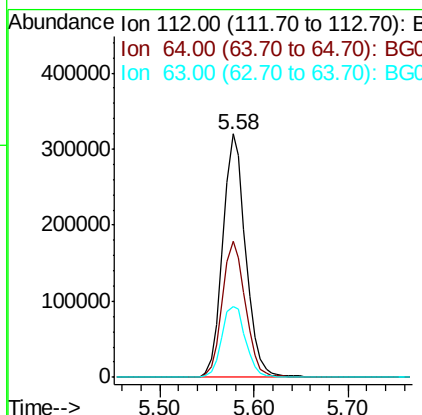
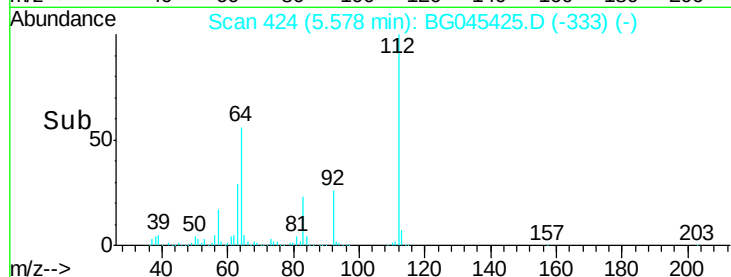
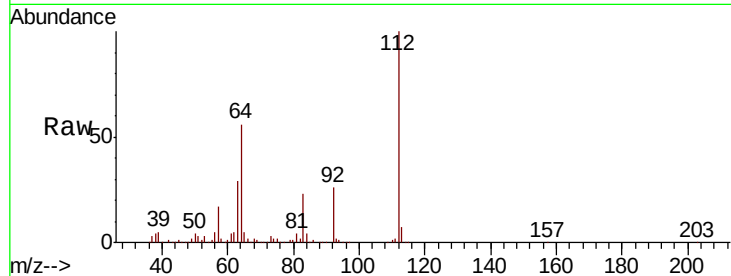
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 542896 |       |       |
| 64      | 56.1  |        | 48.6  | 72.8  |
| 63      | 29.3  |        | 26.5  | 39.7  |

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#6

Aniline

Concen: 4.308 ng

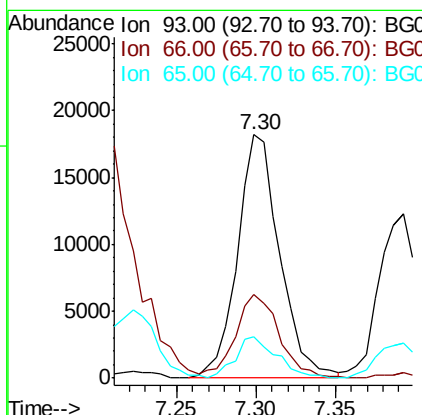
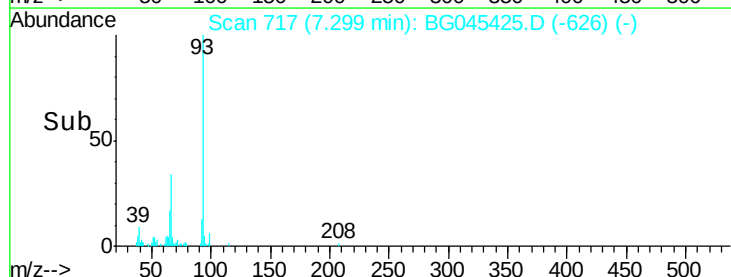
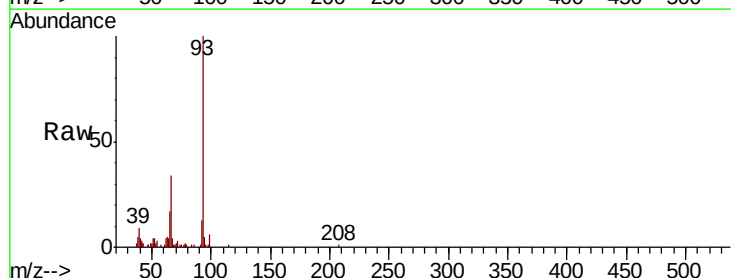
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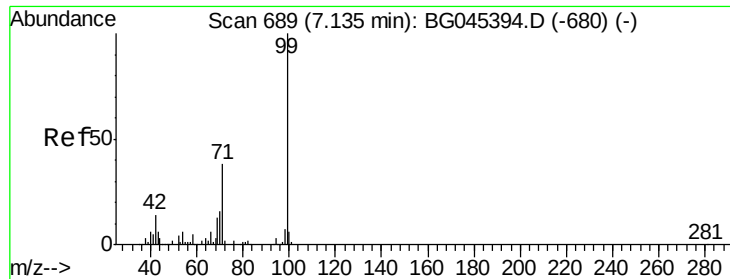
Delta R.T. 0.00 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 93      | 100   | 33605 |       |       |
| 66      | 34.5  |       | 29.6  | 44.4  |
| 65      | 17.2  |       | 15.9  | 23.9  |





#7

Phenol-d6

Concen: 129.608 ng

RT: 7.20 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

Instrument :

BNA\_G

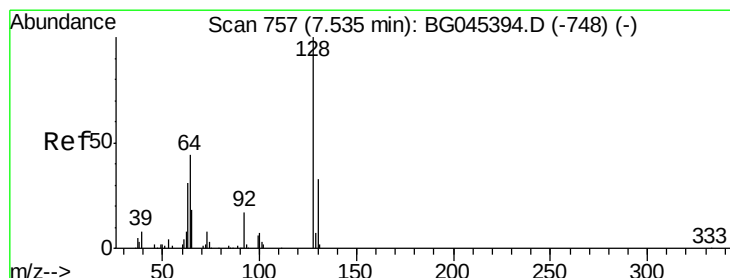
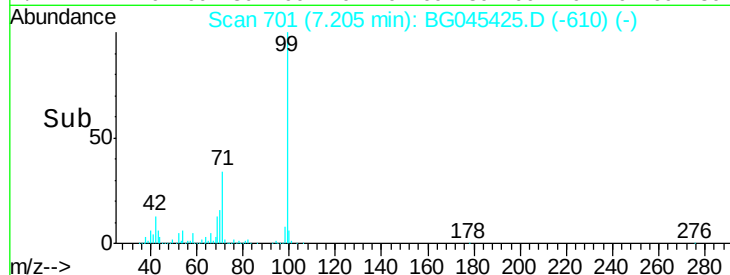
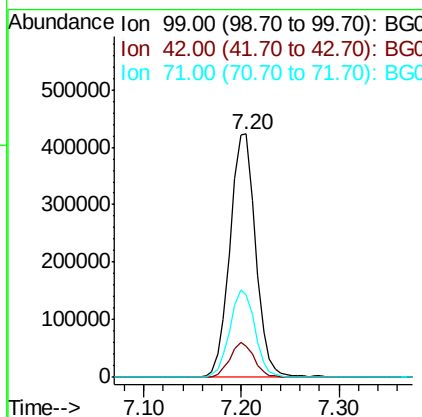
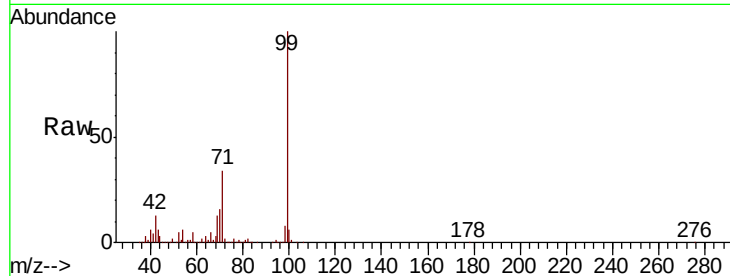
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 774407 |       |       |
| 42      | 12.8 | 11.3  | 16.9   |       |       |
| 71      | 34.1 | 30.8  | 46.2   |       |       |

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#8

2-Chlorophenol

Concen: 4.131 ng

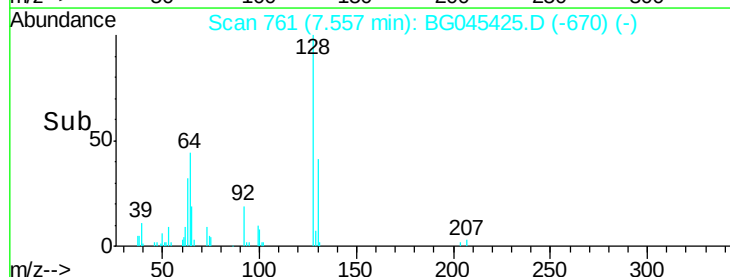
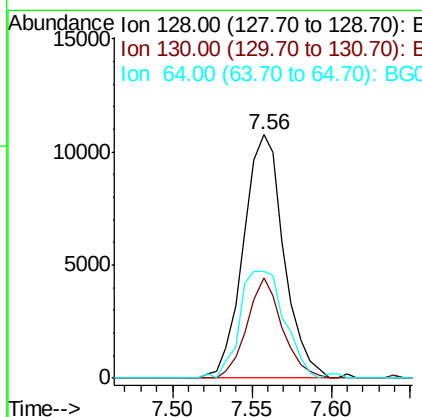
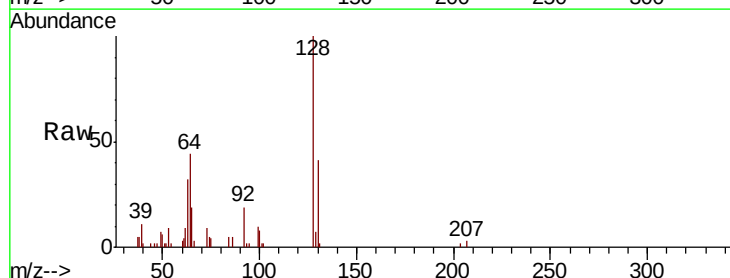
RT: 7.56 min Scan# 761

Delta R.T. 0.00 min

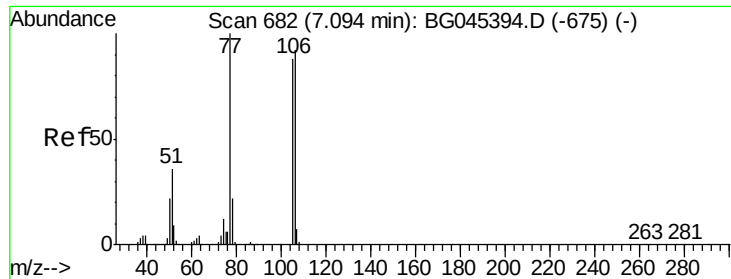
Lab File: BG045425.D

Acq: 19 May 2020 15:26

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 128     | 100  |       | 19019 |       |       |
| 130     | 40.9 | 12.6  | 52.6  |       |       |
| 64      | 44.0 | 27.0  | 67.0  |       |       |







#9

Benzaldehyde

Concen: 4.883 ng

RT: 7.10 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

Instrument :

BNA\_G

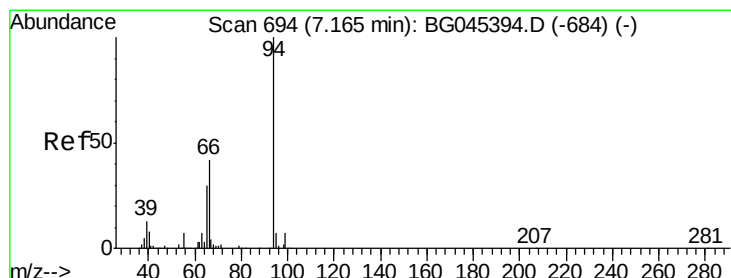
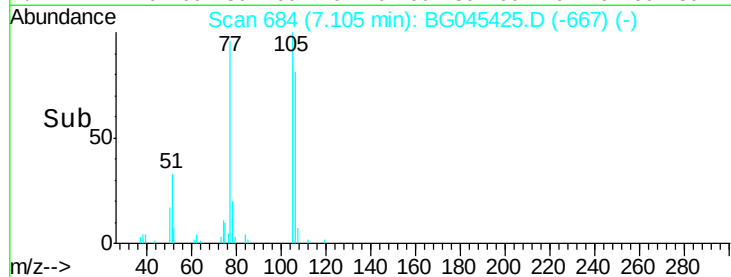
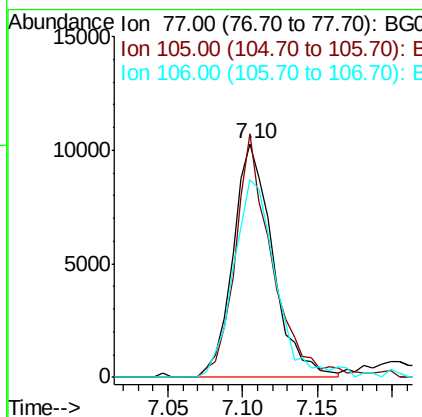
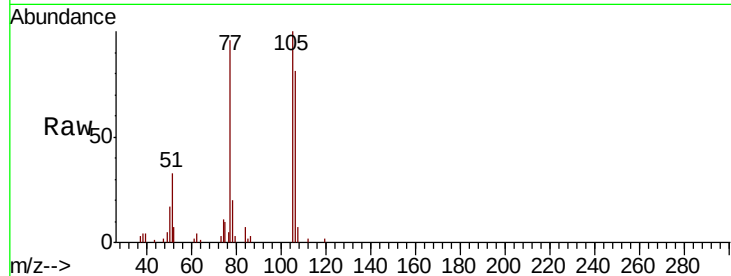
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 19008 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 104.2 | 68.5  | 108.5 |
| 106      | 84.3  | 71.6  | 111.6 |

Manual Integrations  
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#10

Phenol

Concen: 4.300 ng

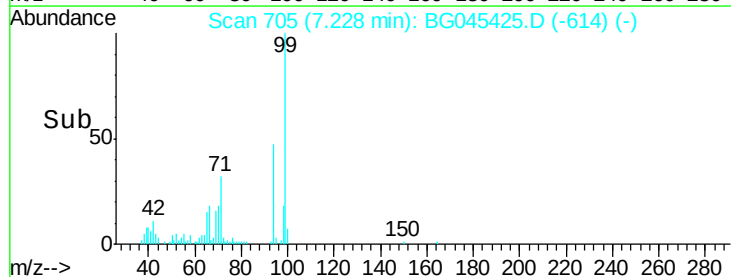
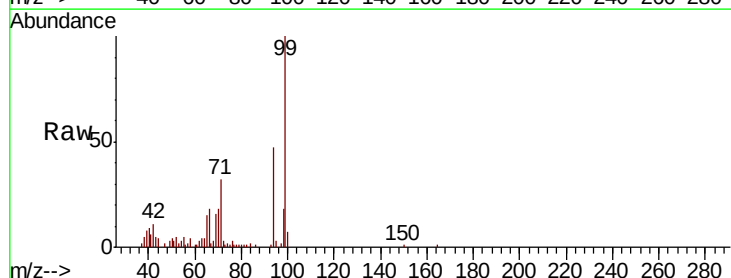
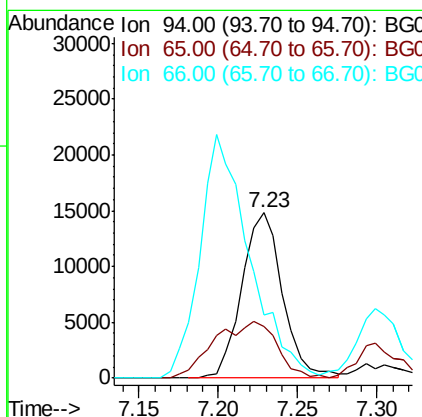
RT: 7.23 min Scan# 705

Delta R.T. 0.00 min

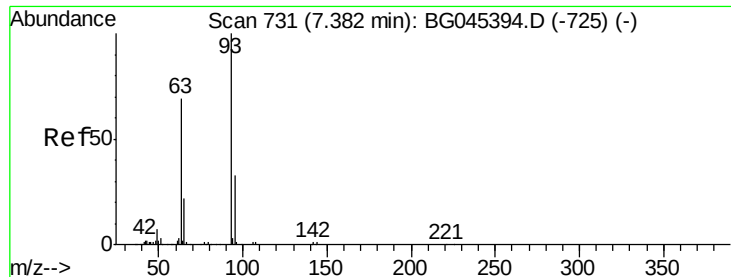
Lab File: BG045425.D

Acq: 19 May 2020 15:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 26477 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 31.4  | 9.8   | 49.8  |
| 66       | 38.4  | 22.0  | 62.0  |







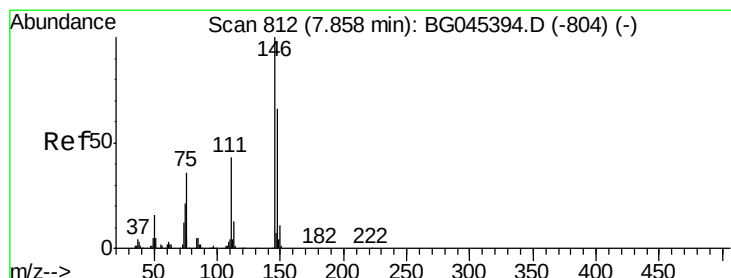
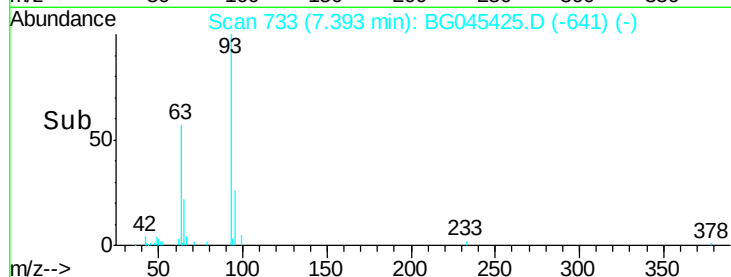
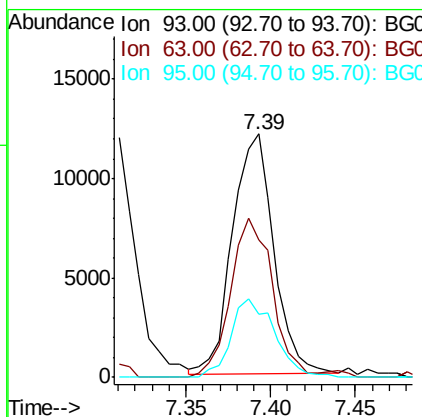
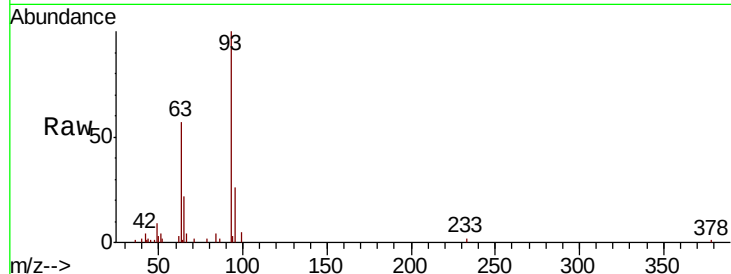
#11  
bis(2-Chloroethyl)ether  
Concen: 4.268 ng  
RT: 7.39 min Scan# 733  
Delta R.T. 0.01 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 56.6  | 48.4  | 88.4  |
| 95      | 25.9  | 12.4  | 52.4  |

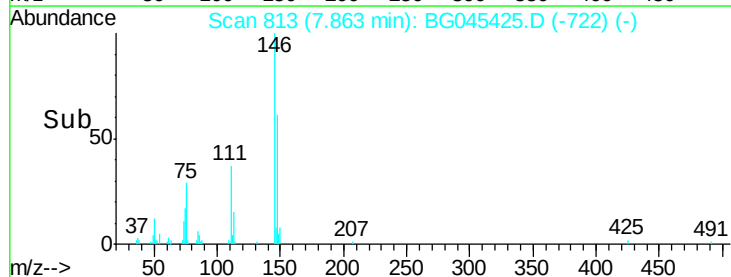
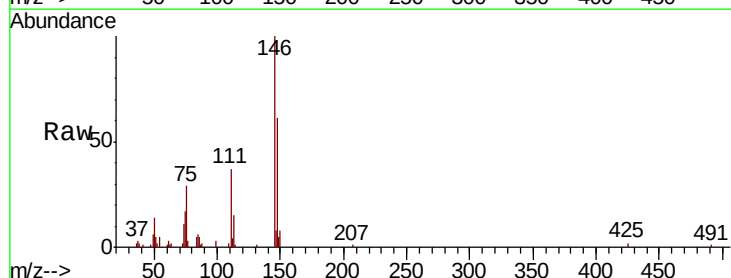
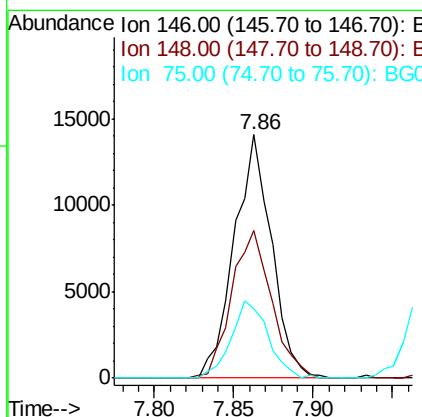
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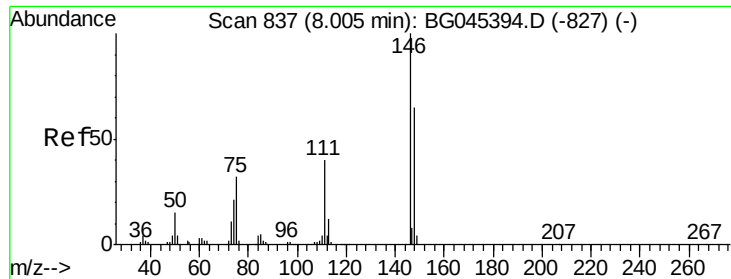
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 4.139 ng  
RT: 7.86 min Scan# 813  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 60.8  | 53.2  | 79.8  |
| 75      | 28.8  | 28.6  | 43.0  |





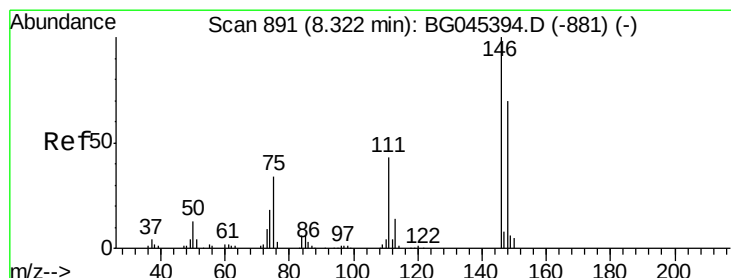
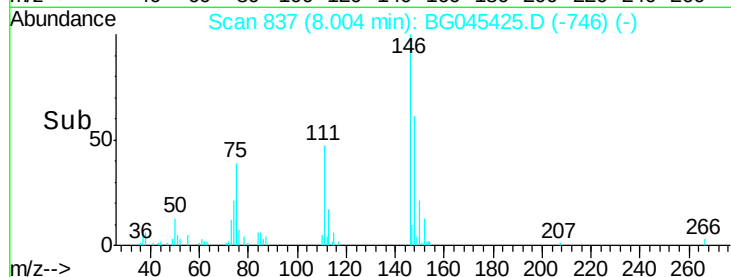
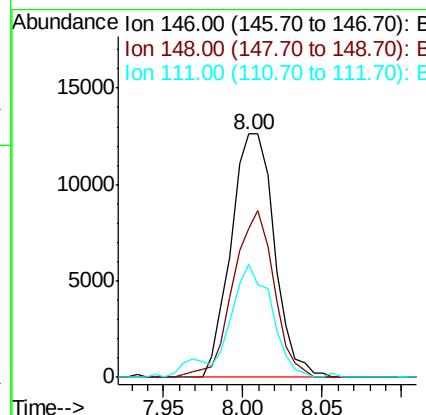
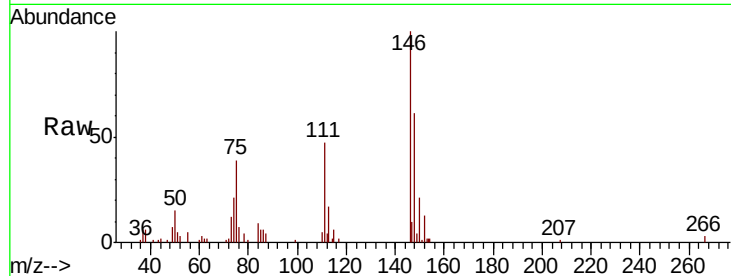
#13  
 1,4-Dichlorobenzene  
 Concen: 4.394 ng  
 RT: 8.00 min Scan# 837  
 Delta R.T. 0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 61.1  | 51.8  | 77.8  |
| 111     | 46.6  | 32.1  | 48.1  |

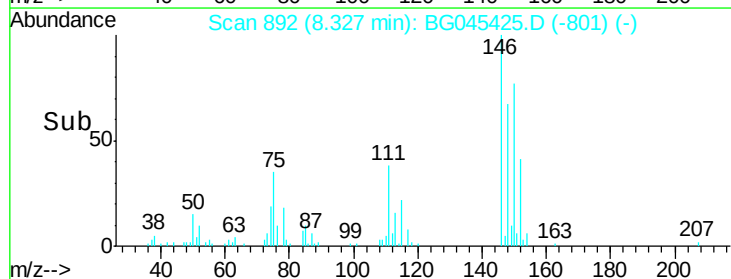
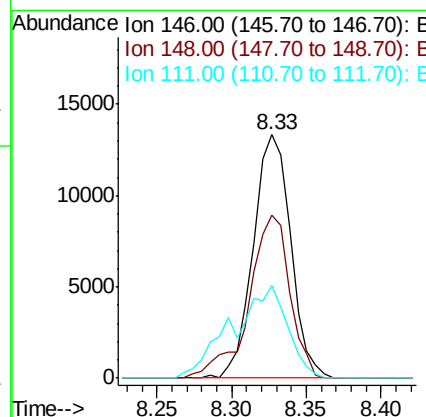
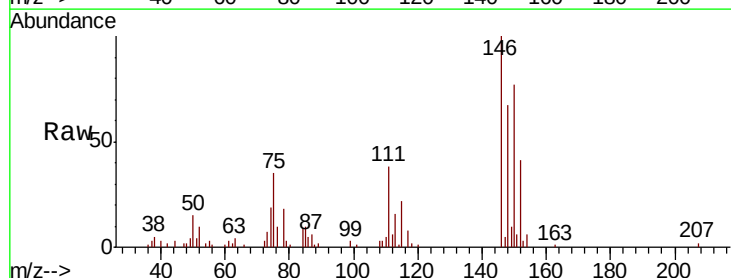
Manual Integrations  
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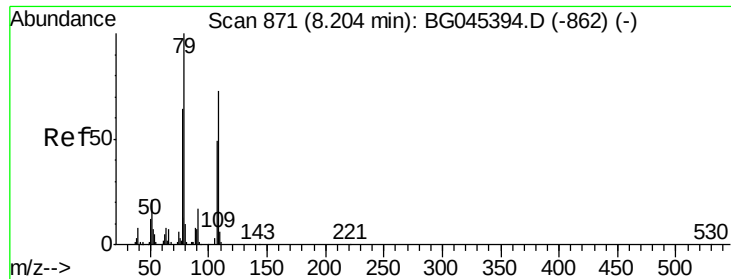
mohammad  
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#14  
 1,2-Dichlorobenzene  
 Concen: 4.396 ng  
 RT: 8.33 min Scan# 892  
 Delta R.T. 0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.9  | 55.9  | 83.9  |
| 111     | 38.0  | 35.0  | 52.4  |





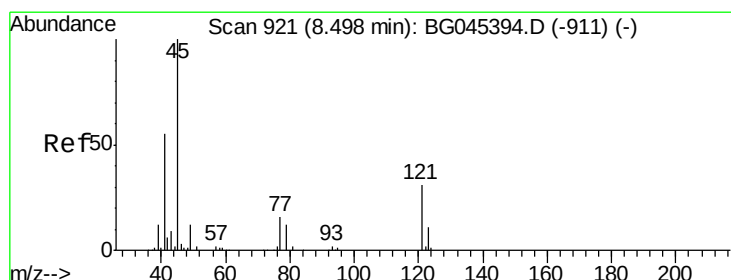
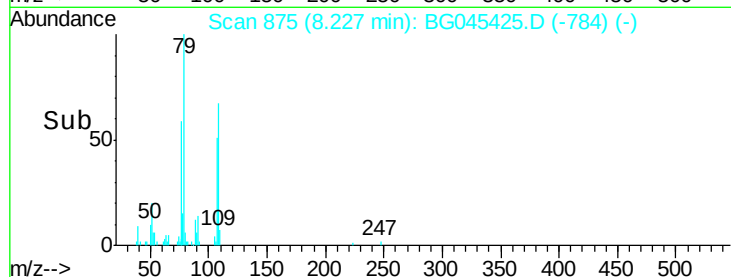
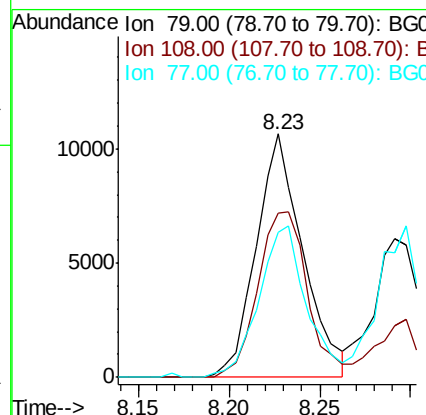
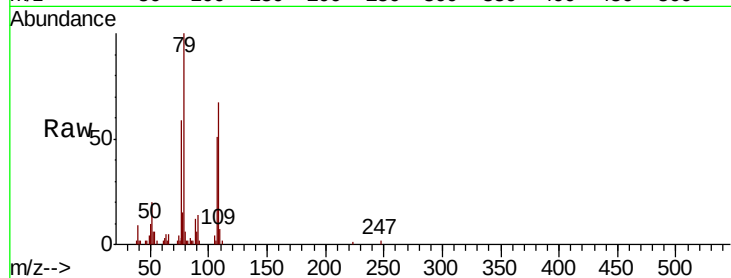
#15  
Benzyl Alcohol  
Concen: 3.861 ng  
RT: 8.23 min Scan# 875  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 67.4  | 58.2  | 87.4  |
| 77      | 59.5  | 51.0  | 76.4  |

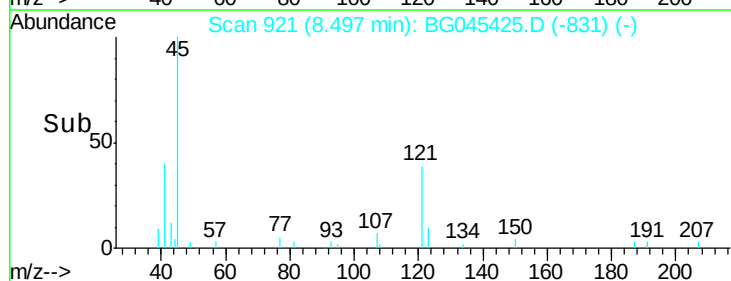
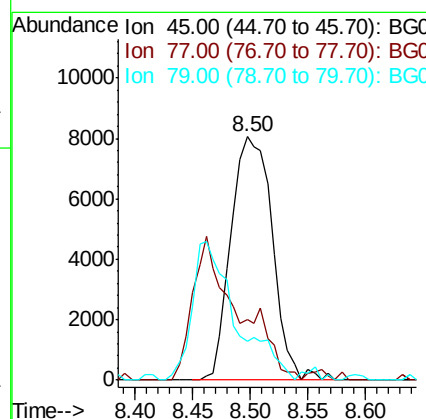
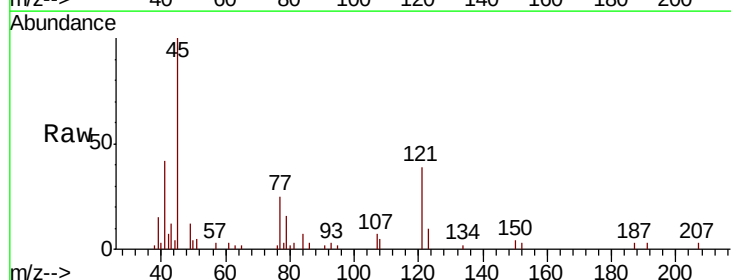
Manual Integrations  
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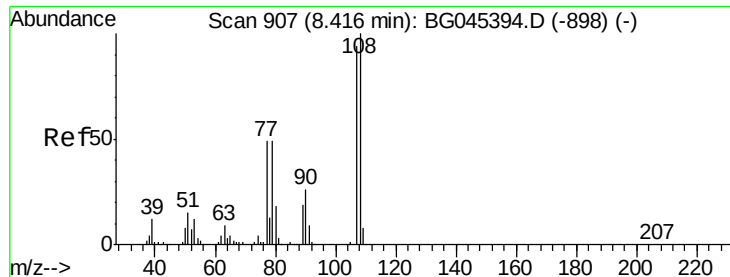
mohammad  
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.392 ng  
RT: 8.50 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 25.0  | 4.0   | 44.0  |
| 79      | 16.2  | 0.0   | 38.6  |





#17

2-Methylphenol

Concen: 3.769 ng

RT: 8.47 min Scan# 916

Delta R.T. 0.01 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

Instrument :

BNA\_G

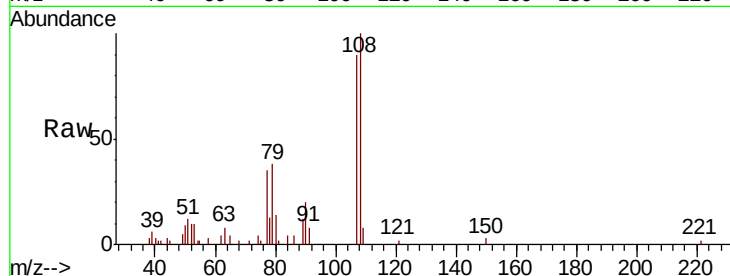
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | 107   | Resp  | 17373 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 107     | 100   |       |       |
| 108     | 111.4 | 85.2  | 127.8 |
| 77      | 39.2  | 41.6  | 62.4# |
| 79      | 42.7  | 41.8  | 62.8  |

Manual Integrations  
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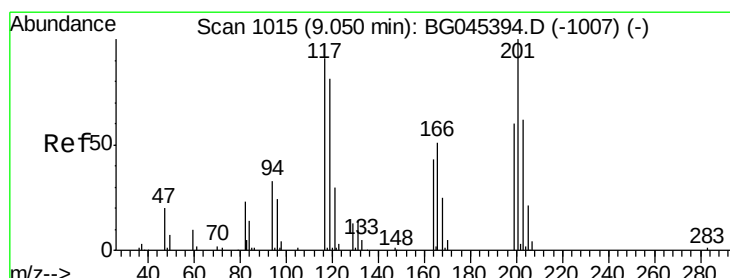
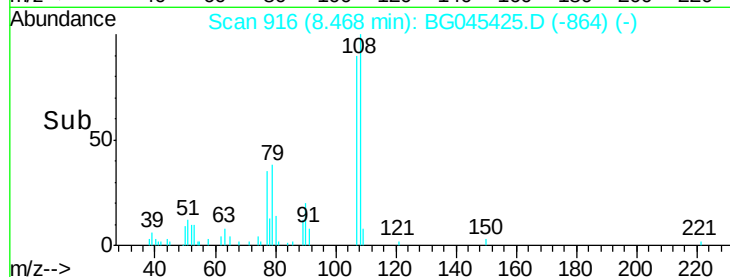
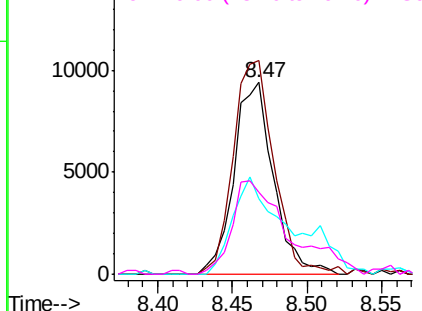
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 4.319 ng

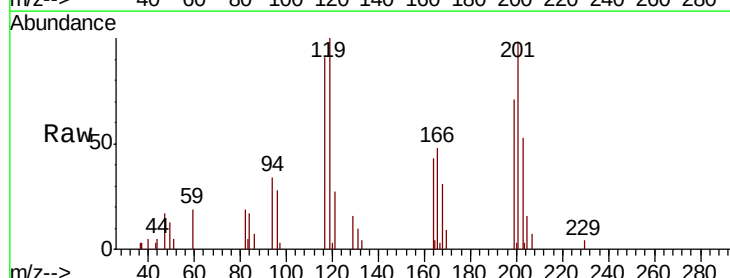
RT: 9.06 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

| Tgt Ion | 117   | Resp  | 9030   |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 117     | 100   |       |        |
| 119     | 110.1 | 71.3  | 106.9# |
| 201     | 108.3 | 87.5  | 131.3  |

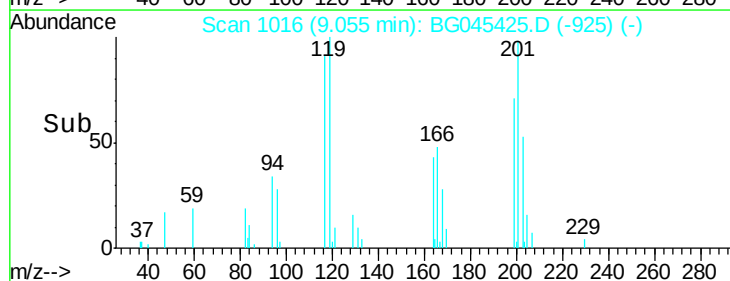
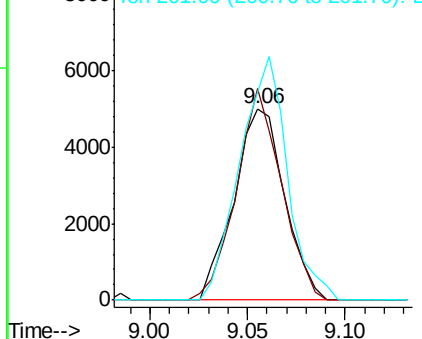


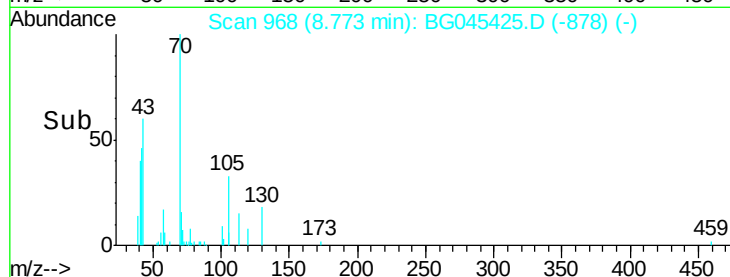
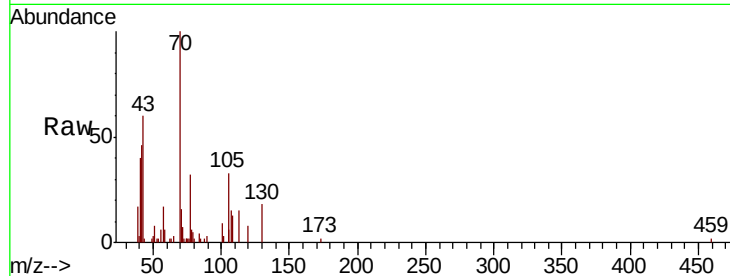
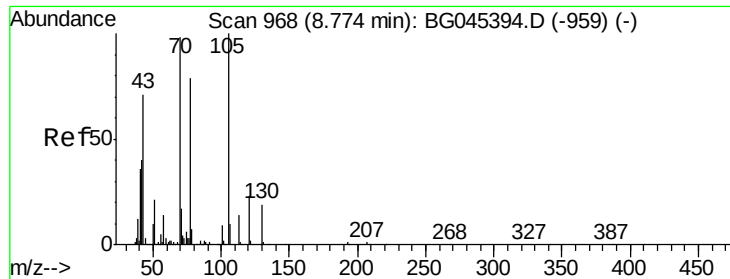
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





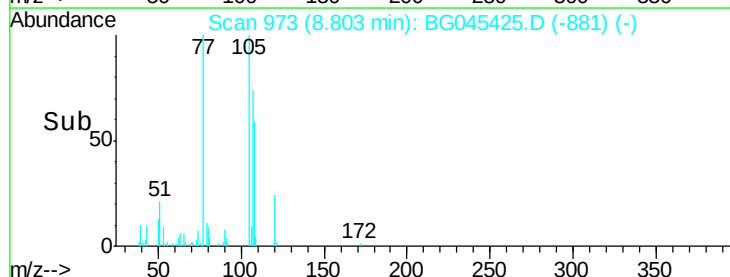
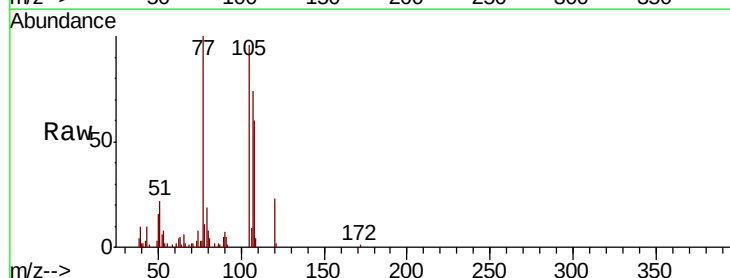
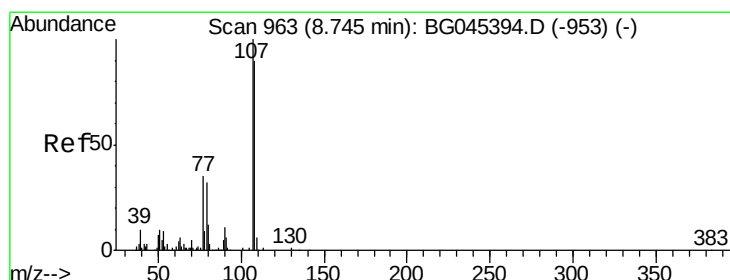
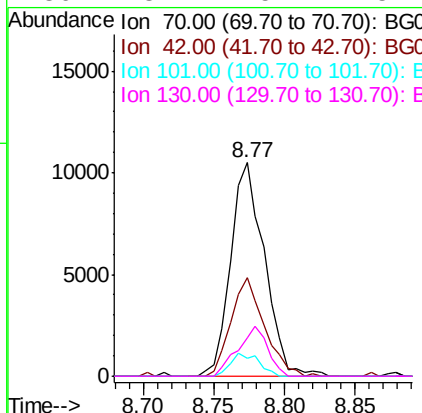
#19  
n-Nitroso-di-n-propylamine  
Concen: 4.242 ng  
RT: 8.77 min Scan# 968  
Delta R.T. -0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 46.2 | 33.2  | 49.8  |       |
| 101     | 8.6  | 7.8   | 11.6  |       |
| 130     | 18.2 | 15.4  | 23.2  |       |

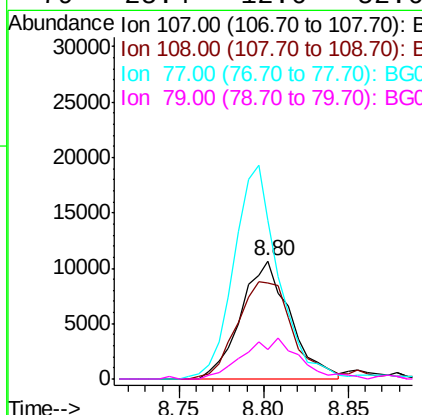
Manual Integrations  
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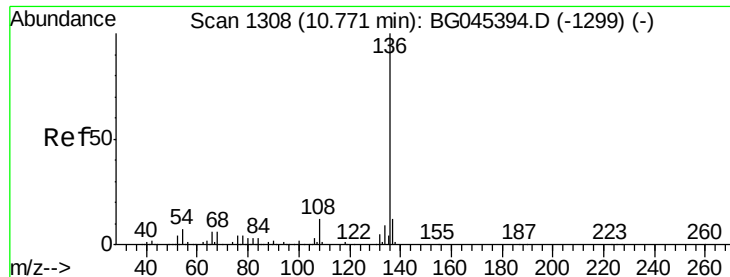
mohammad  
5/20/2020 1:19:55 PM



#20  
3+4-Methylphenols  
Concen: 3.451 ng  
RT: 8.80 min Scan# 973  
Delta R.T. 0.01 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 107     | 100   |       |       |       |
| 108     | 81.3  | 70.3  | 110.3 |       |
| 77      | 135.1 | 15.4  | 55.4  |       |
| 79      | 25.4  | 12.6  | 52.6  |       |





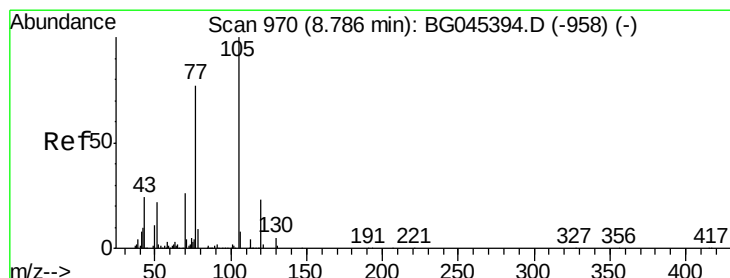
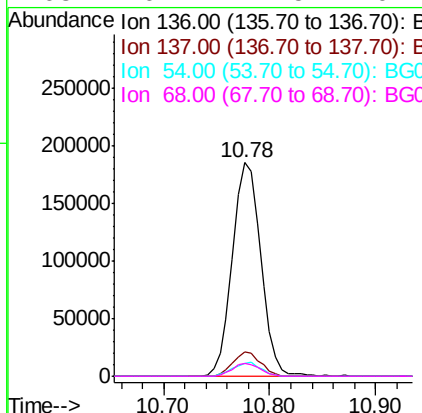
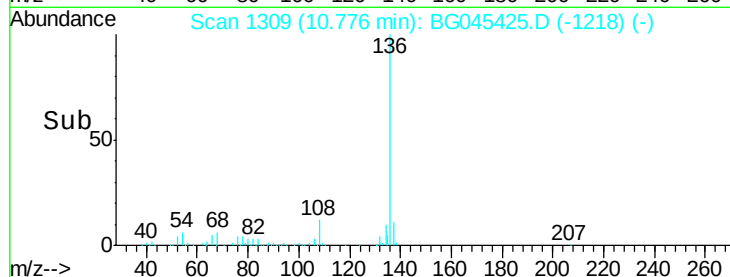
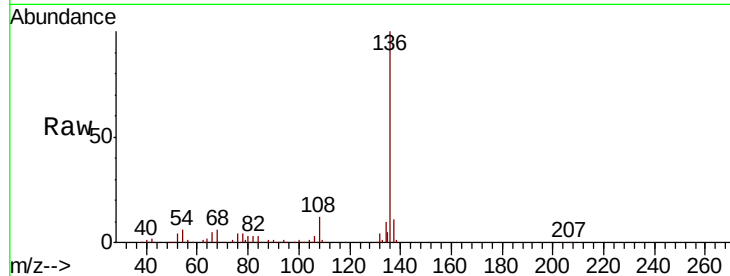
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.78 min Scan# 1309  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 346323 |       |       |
| 137     | 11.4 | 9.4   | 14.2   |       |       |
| 54      | 6.2  | 5.8   | 8.6    |       |       |
| 68      | 6.1  | 4.5   | 6.7    |       |       |

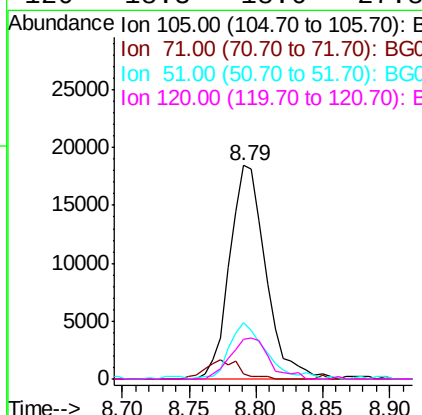
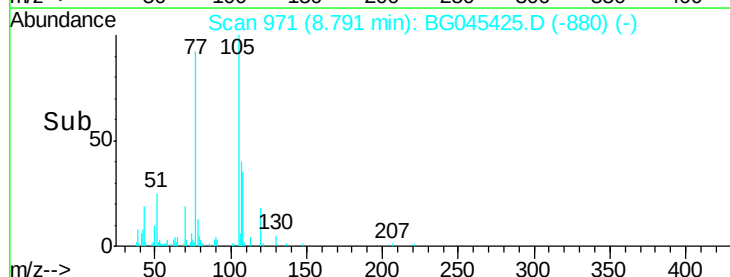
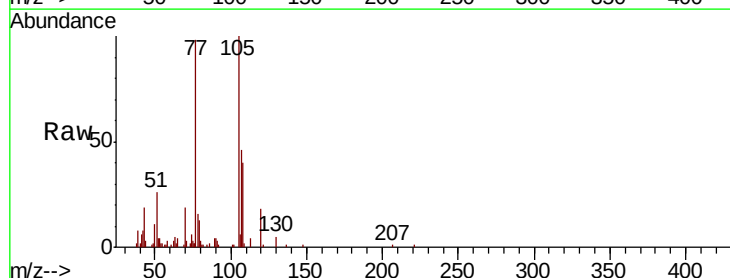
Manual Integrations  
APPROVED

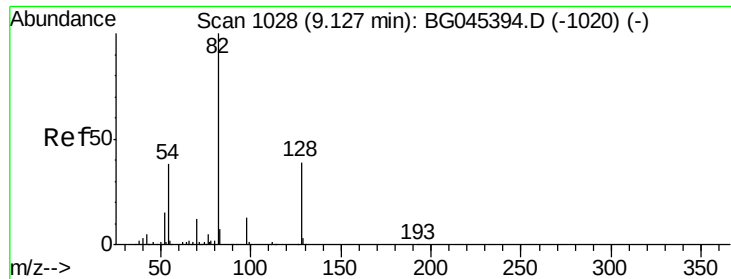
mohammad  
5/20/2020 1:19:55 PM



#22  
Acetophenone  
Concen: 4.245 ng  
RT: 8.79 min Scan# 971  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 105     | 100  |       | 34844 |       |       |
| 71      | 2.6  | 3.4   | 5.0#  |       |       |
| 51      | 26.4 | 18.2  | 27.2  |       |       |
| 120     | 18.3 | 18.6  | 27.8# |       |       |





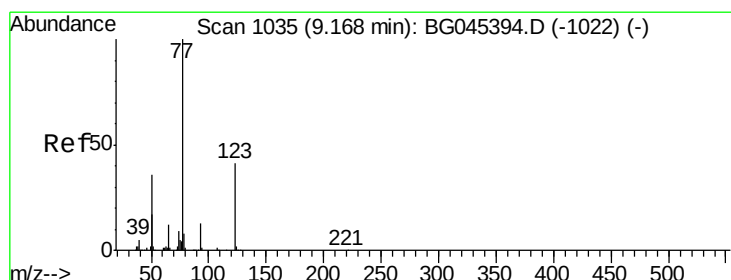
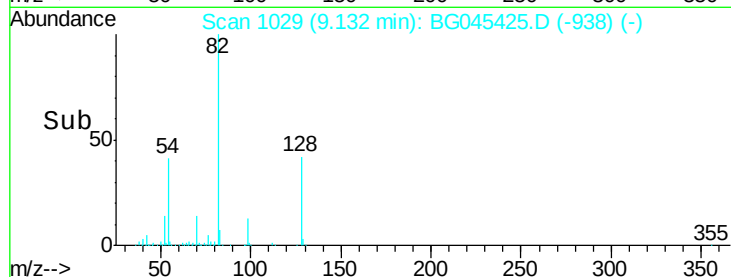
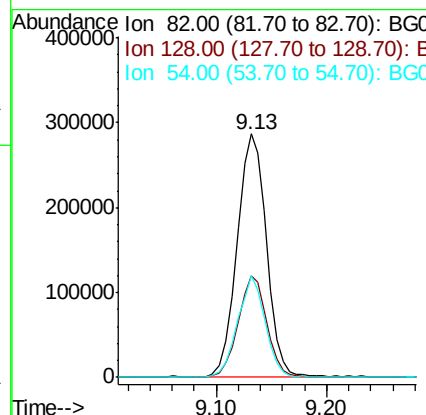
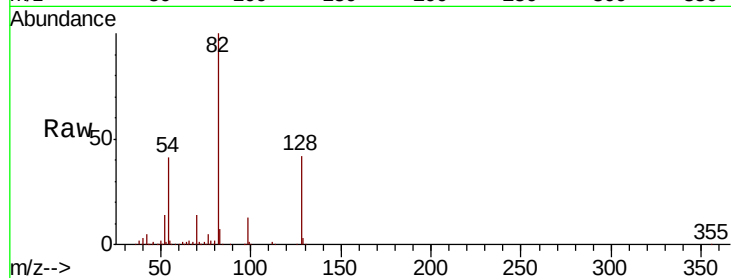
#23  
 Nitrobenzene-d5  
 Concen: 84.375 ng  
 RT: 9.13 min Scan# 1029  
 Delta R.T. 0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 535854 |       |       |
| 128     | 41.8  |        | 30.9  | 46.3  |
| 54      | 41.5  |        | 30.3  | 45.5  |

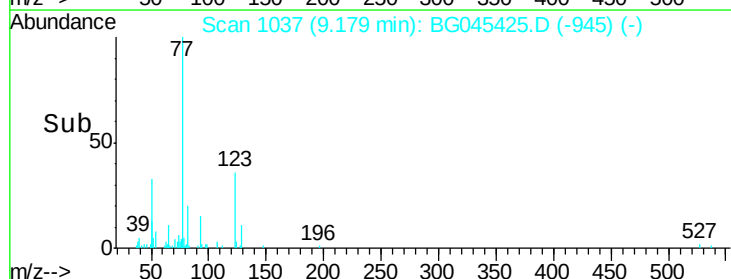
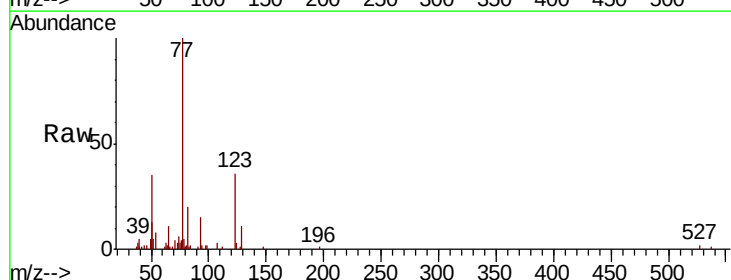
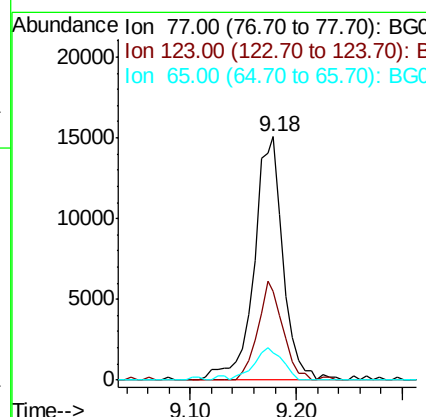
Manual Integrations  
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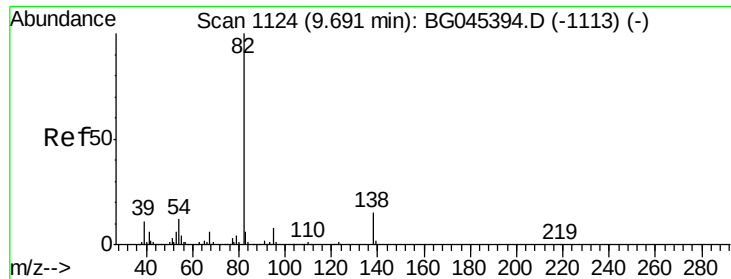


#24  
 Nitrobenzene  
 Concen: 4.223 ng  
 RT: 9.18 min Scan# 1037  
 Delta R.T. 0.01 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 77      | 100   | 28733 |       |       |
| 123     | 36.3  |       | 32.9  | 49.3  |
| 65      | 11.2  |       | 9.4   | 14.2  |







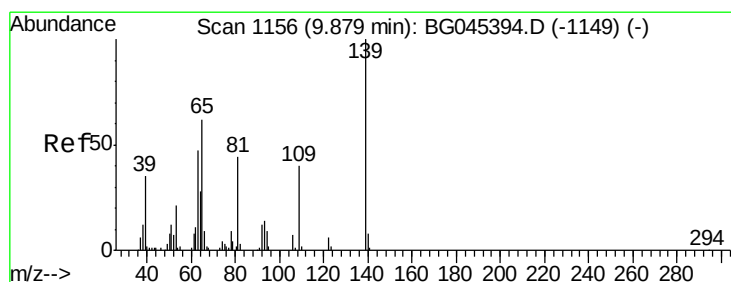
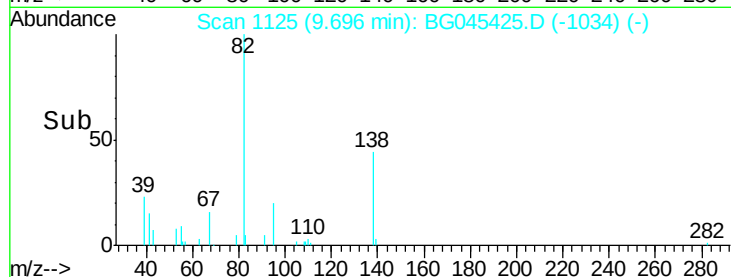
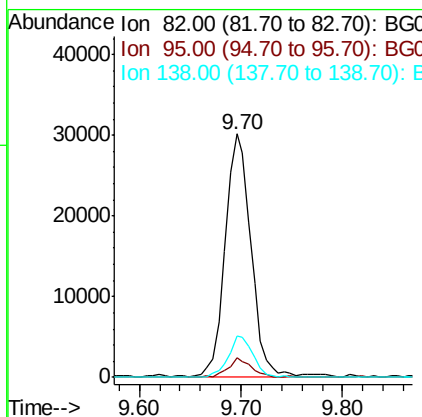
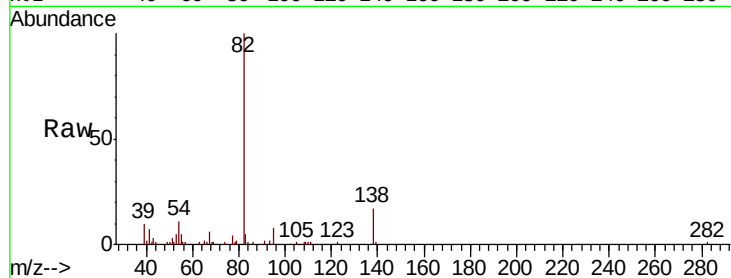
#25  
Isophorone  
Concen: 4.292 ng  
RT: 9.70 min Scan# 1125  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 95      | 7.8   | 6.7  | 10.1  |       |
| 138     | 17.0  | 12.2 | 18.4  |       |

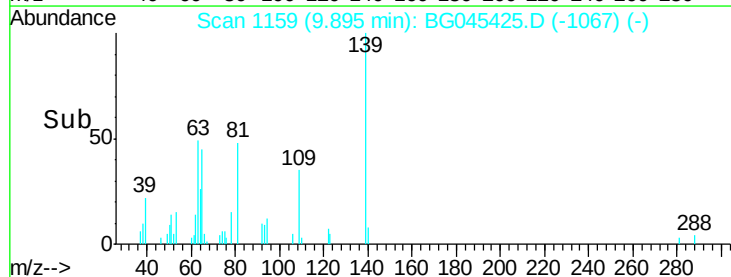
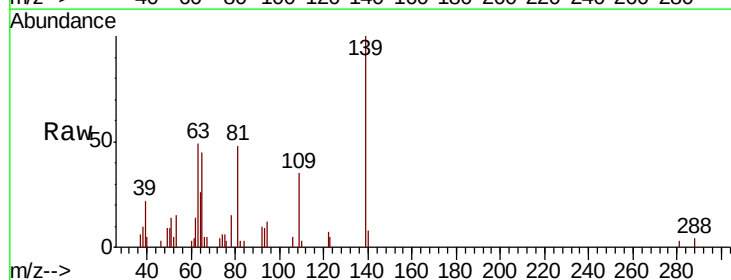
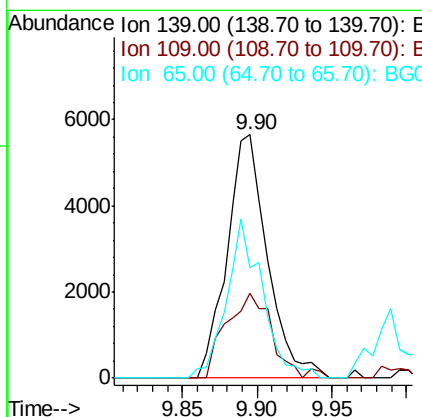
Manual Integrations  
APPROVED

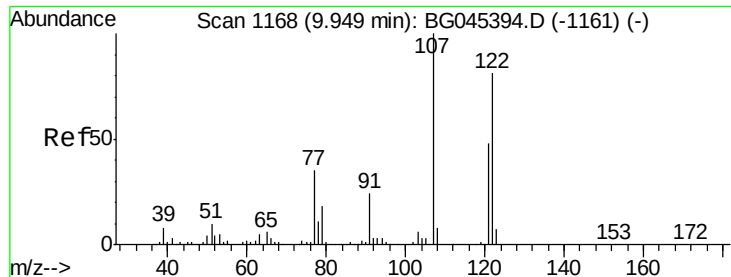
mohammad  
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#26  
2-Nitrophenol  
Concen: 3.669 ng  
RT: 9.90 min Scan# 1159  
Delta R.T. 0.01 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 35.1  | 32.2 | 48.4  |       |
| 65      | 45.3  | 49.6 | 74.4  |       |





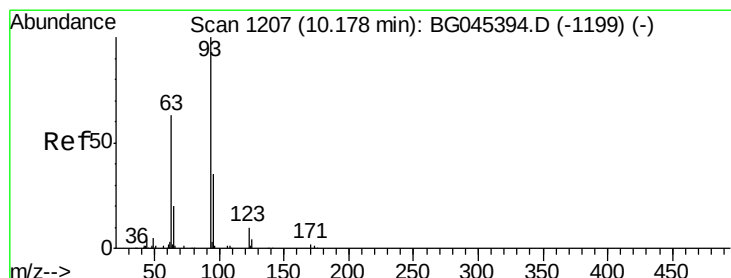
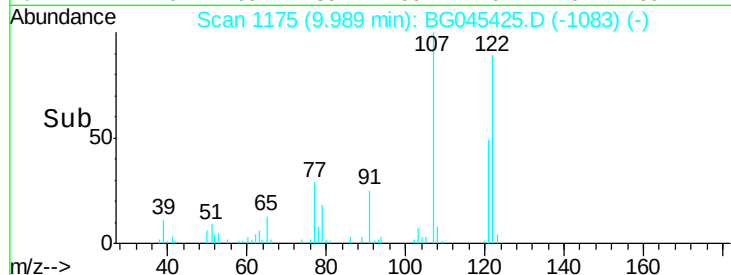
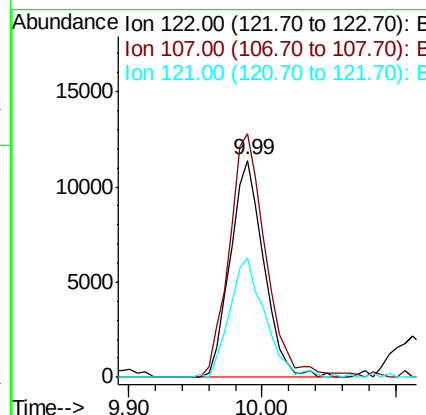
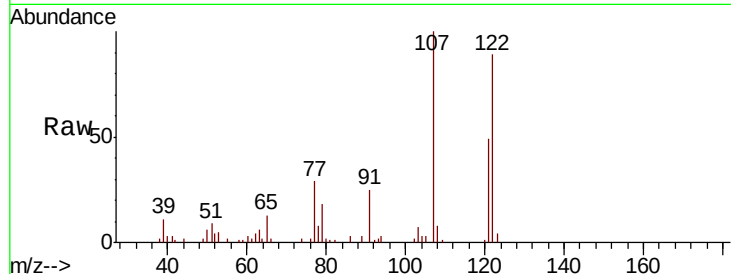
#27  
 2,4-Dimethylphenol  
 Concen: 4.612 ng  
 RT: 9.99 min Scan# 1175  
 Delta R.T. 0.01 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 112.2 | 99.0  | 148.4 |
| 121     | 54.9  | 47.7  | 71.5  |

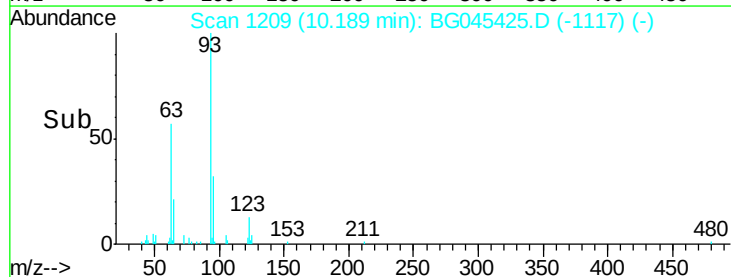
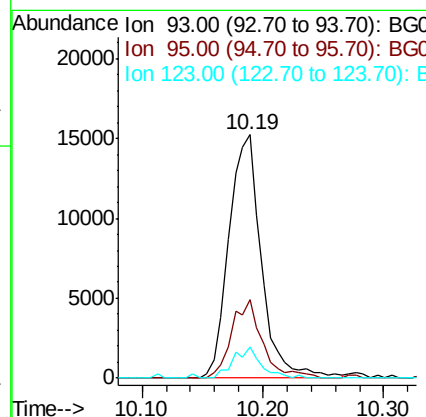
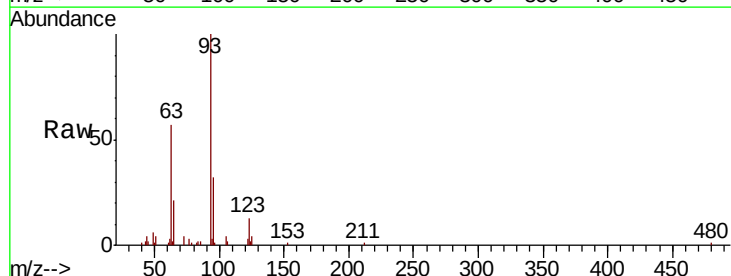
Manual Integrations  
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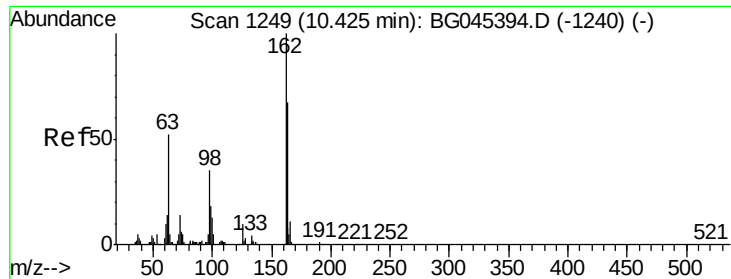
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 4.335 ng  
 RT: 10.19 min Scan# 1209  
 Delta R.T. 0.01 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.5  | 27.6  | 41.4  |
| 123     | 12.6  | 8.1   | 12.1# |





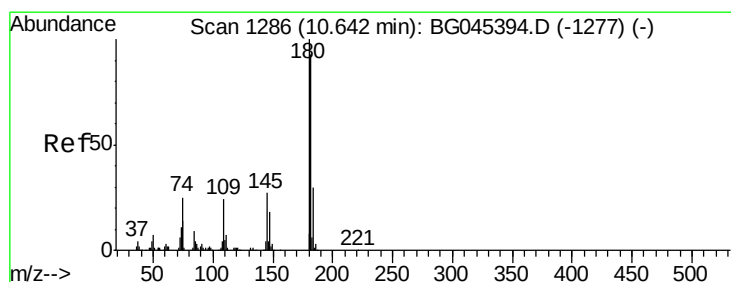
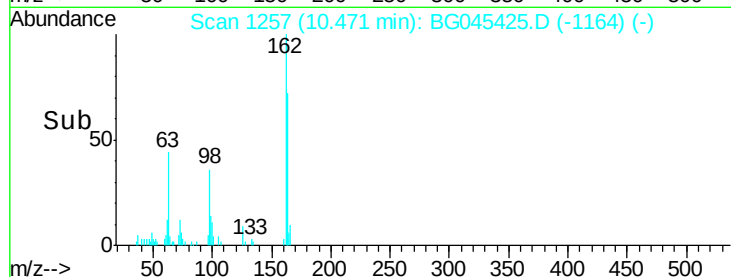
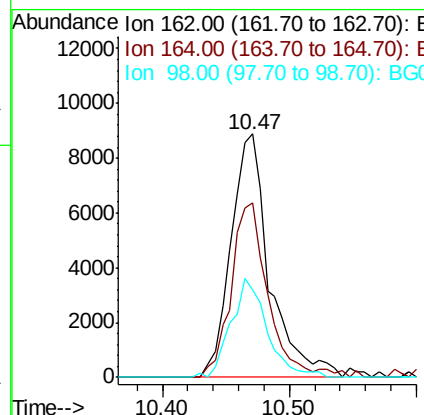
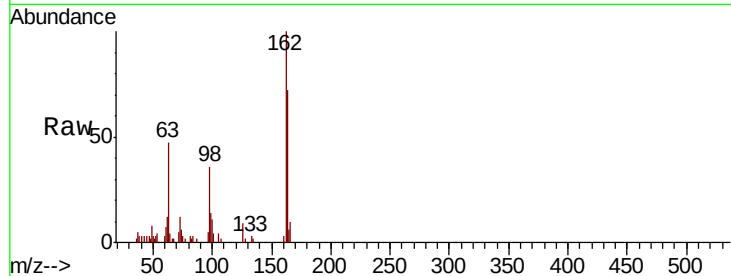
#29  
 2,4-Dichlorophenol  
 Concen: 3.659 ng  
 RT: 10.47 min Scan# 1257  
 Delta R.T. 0.01 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 162   | Resp: | 18656 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 71.5  | 46.8  | 86.8  |
| 98        | 35.7  | 15.2  | 55.2  |

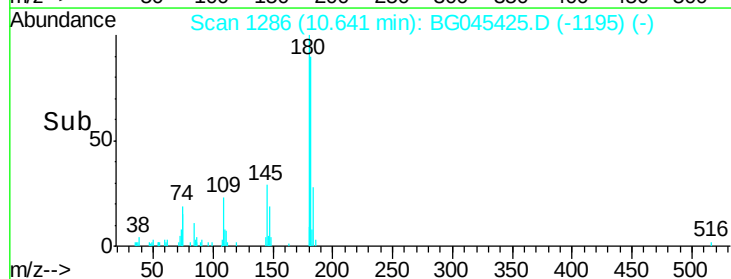
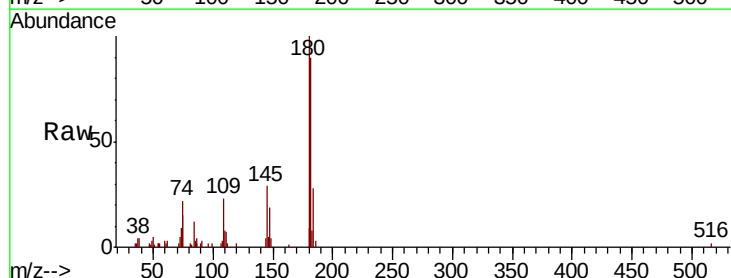
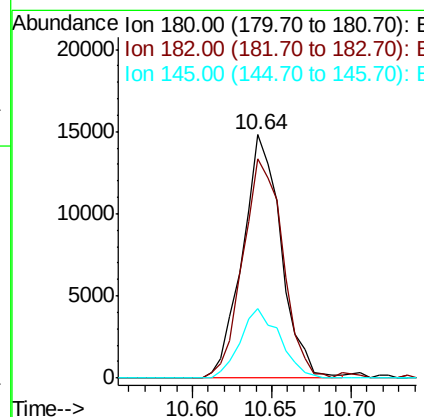
Manual Integrations  
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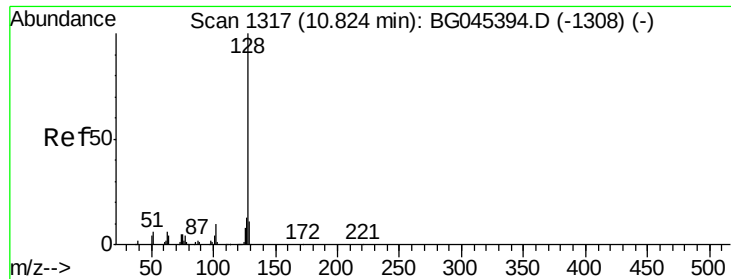
mohammad  
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 4.161 ng  
 RT: 10.64 min Scan# 1286  
 Delta R.T. 0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 25067 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 90.1  | 74.8  | 112.2 |
| 145       | 28.6  | 21.9  | 32.9  |





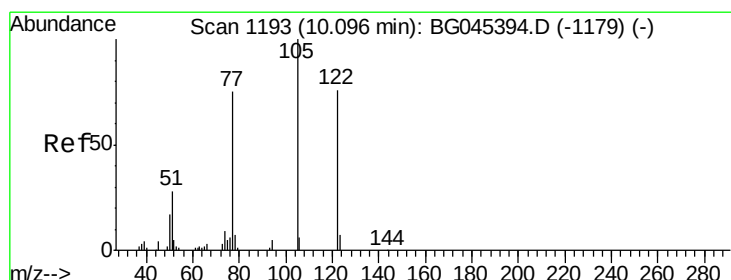
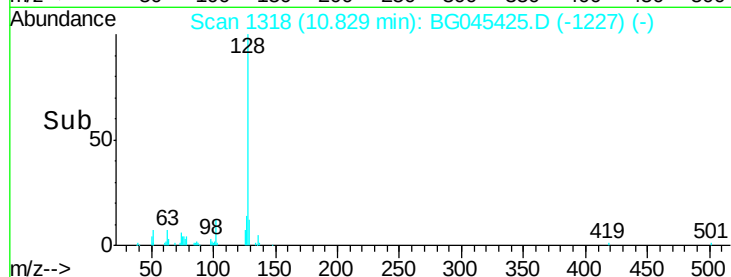
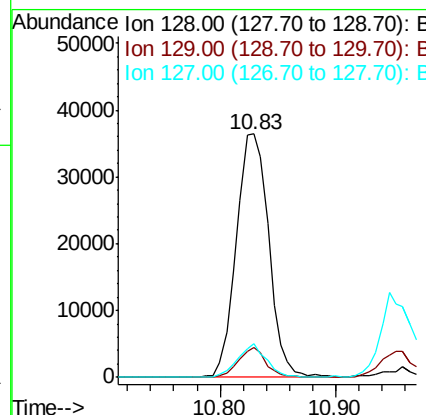
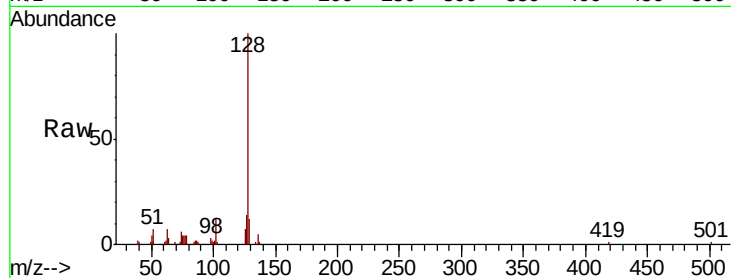
#31  
Naphthalene  
Concen: 4.400 ng  
RT: 10.83 min Scan# 1318  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.1  | 9.0   | 13.6  |
| 127     | 13.8  | 10.7  | 16.1  |

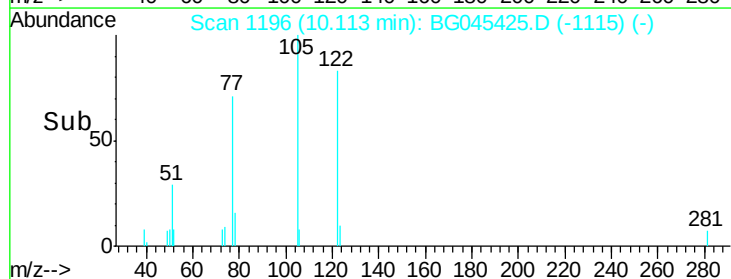
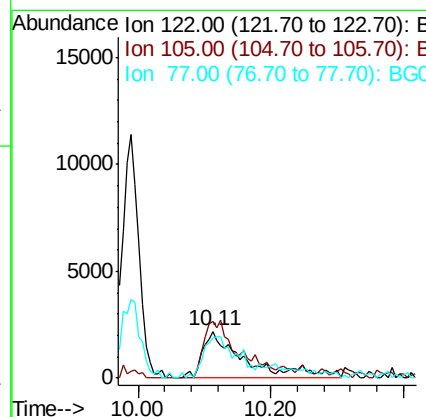
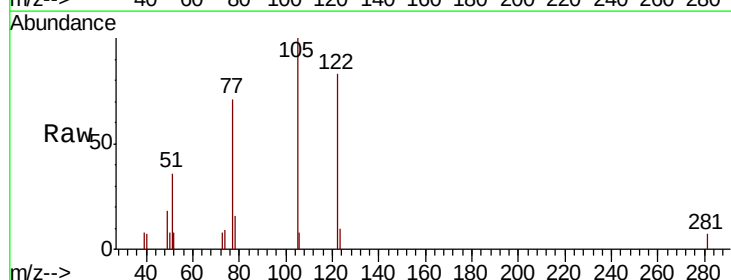
Manual Integrations  
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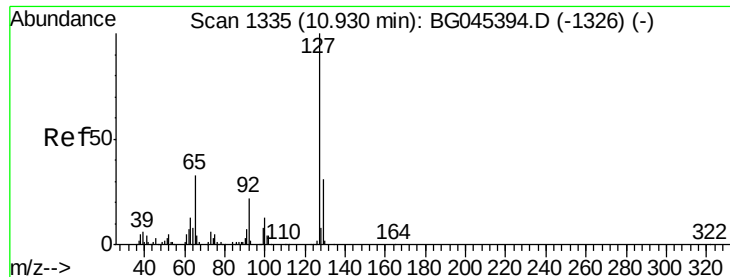
mohammad  
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#32  
Benzoic acid  
Concen: 3.723 ng m  
RT: 10.11 min Scan# 1196  
Delta R.T. -0.06 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 120.0 | 107.9 | 147.9 |
| 77      | 85.3  | 78.9  | 118.9 |





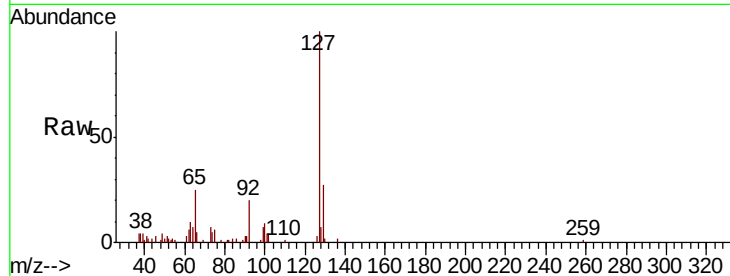
#33  
4-Chloroaniline  
Concen: 3.840 ng  
RT: 10.95 min Scan# 1338  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 26.6  | 24.7  | 37.1  |
| 65      | 25.0  | 26.2  | 39.2  |
| 92      | 20.5  | 17.9  | 26.9  |

Manual Integrations  
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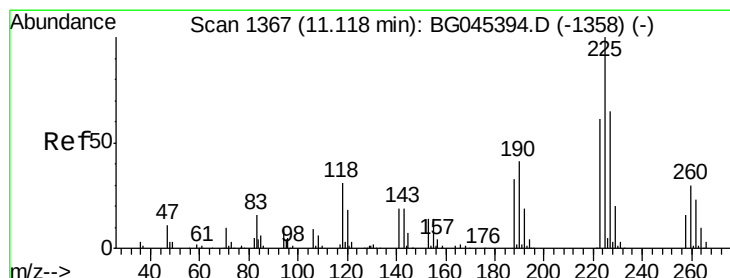
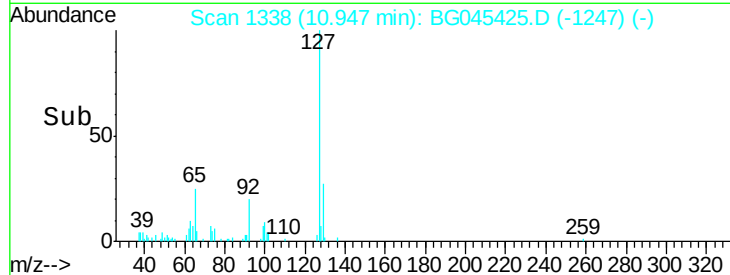
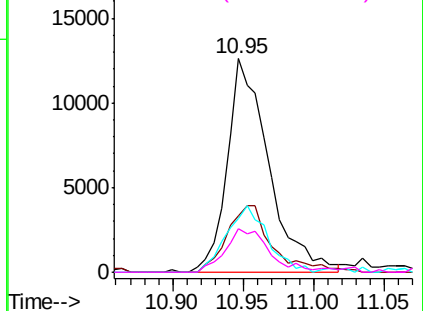
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

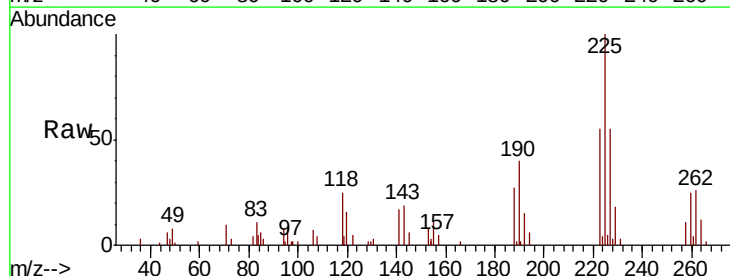
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34  
Hexachlorobutadiene  
Concen: 3.852 ng  
RT: 11.12 min Scan# 1368  
Delta R.T. 0.01 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 54.9  | 49.1  | 73.7  |
| 227     | 55.3  | 52.0  | 78.0  |

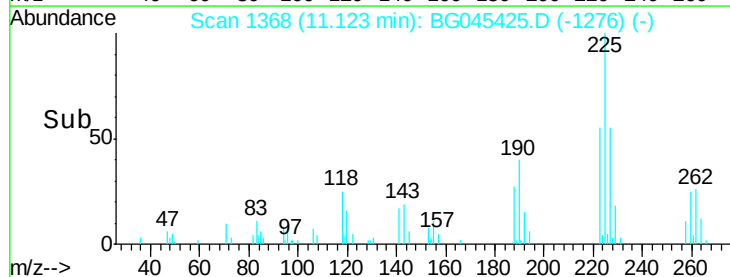
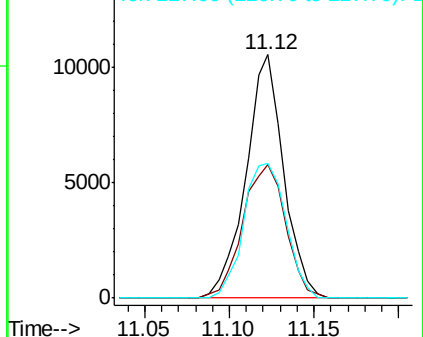


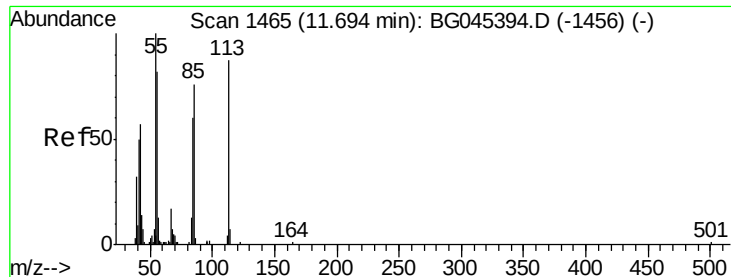
Abundance

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





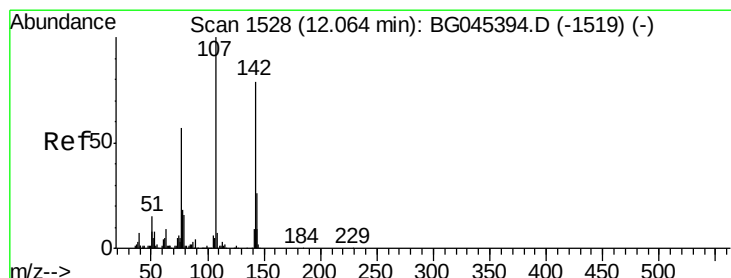
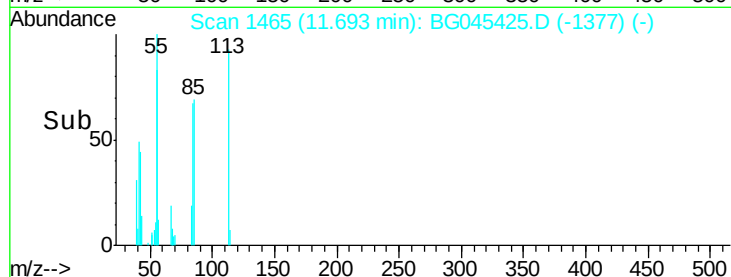
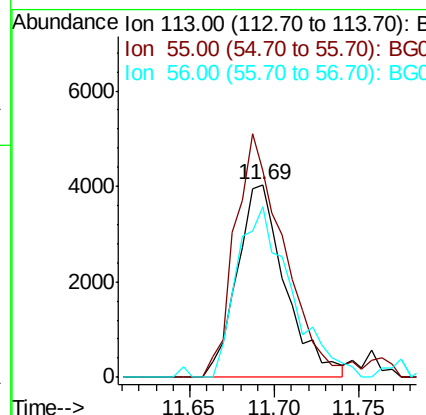
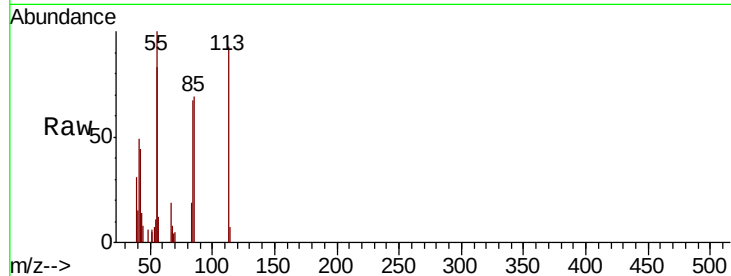
#35  
 Caprolactam  
 Concen: 4.269 ng  
 RT: 11.69 min Scan# 1465  
 Delta R.T. -0.02 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 107.0 | 96.0  | 136.0 |
| 56      | 88.7  | 75.1  | 115.1 |

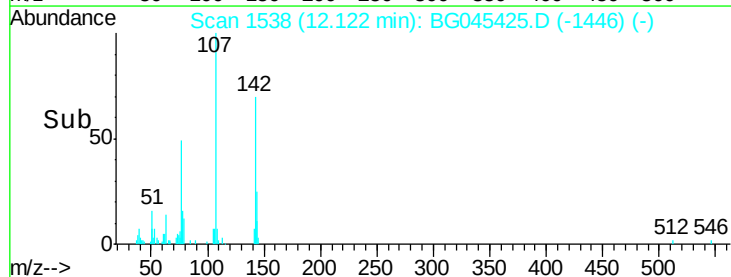
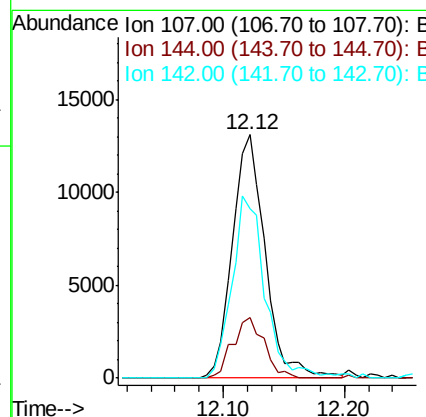
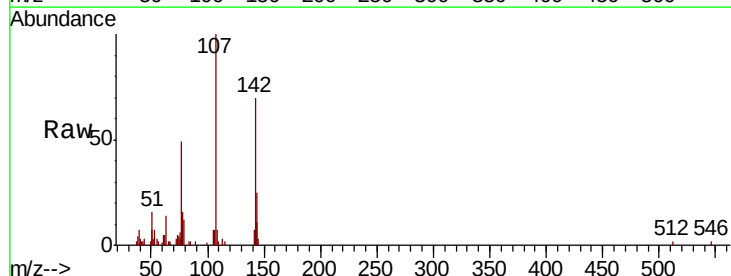
Manual Integrations  
 APPROVED

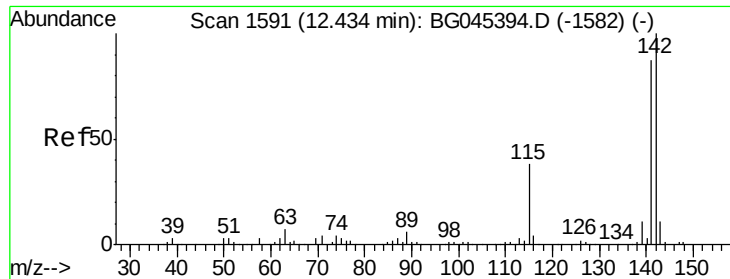
mohammad  
 5/20/2020 1:19:55 PM



#36  
 4-Chloro-3-methylphenol  
 Concen: 4.319 ng  
 RT: 12.12 min Scan# 1538  
 Delta R.T. 0.01 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 24.9  | 20.8  | 31.2  |
| 142     | 69.5  | 62.8  | 94.2  |





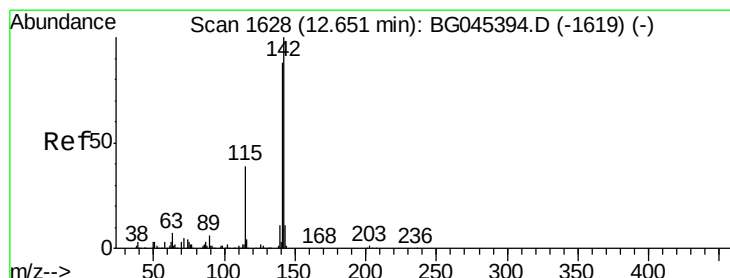
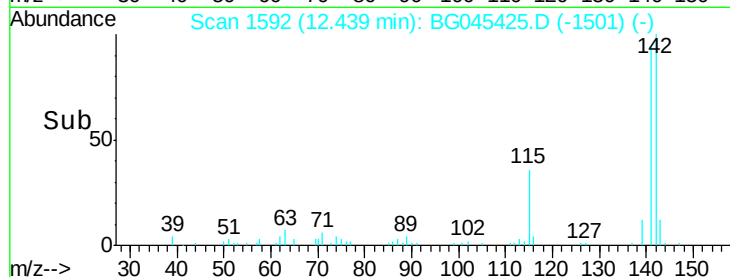
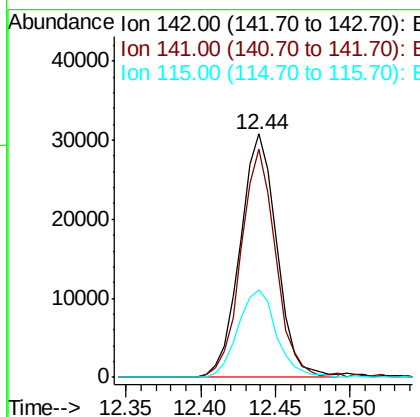
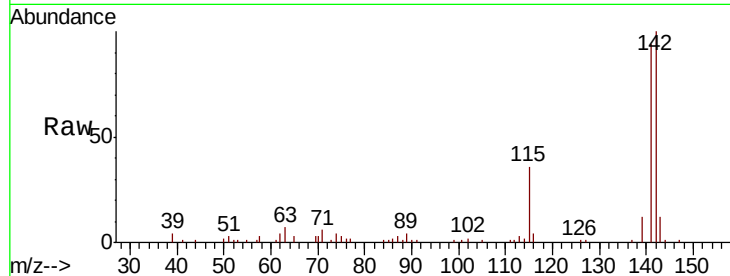
#37  
2-Methylnaphthalene  
Concen: 4.363 ng  
RT: 12.44 min Scan# 1592  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.7  | 70.0  | 105.0 |
| 115     | 35.8  | 30.8  | 46.2  |

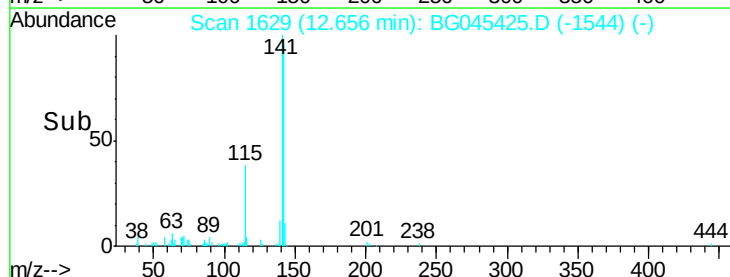
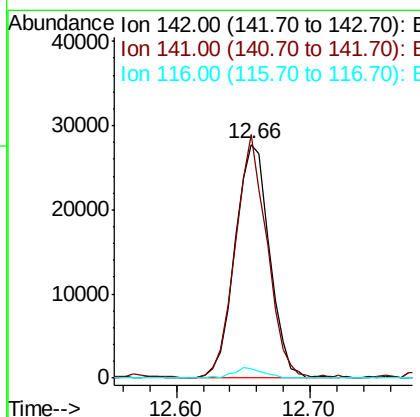
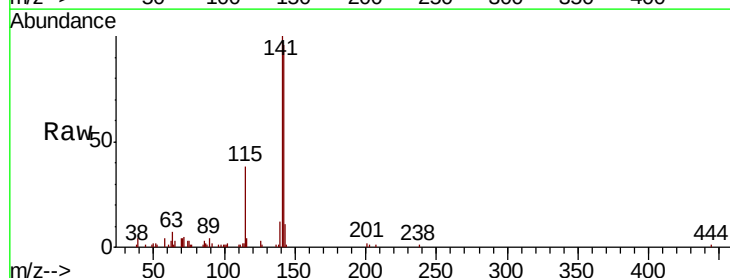
Manual Integrations  
APPROVED

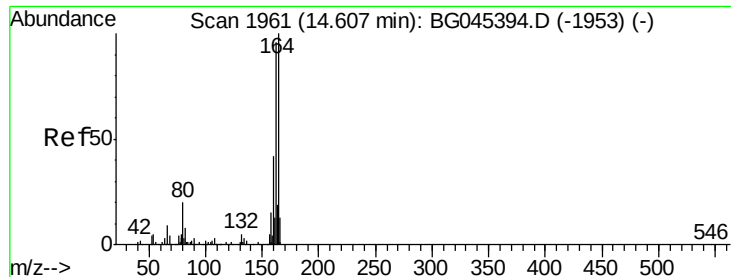
mohammad  
5/20/2020 1:19:55 PM



#38  
1-Methylnaphthalene  
Concen: 4.364 ng  
RT: 12.66 min Scan# 1629  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 104.2 | 70.8  | 106.2 |
| 116     | 4.0   | 3.0   | 4.6   |





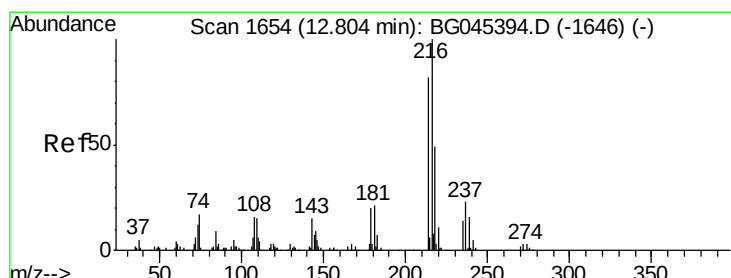
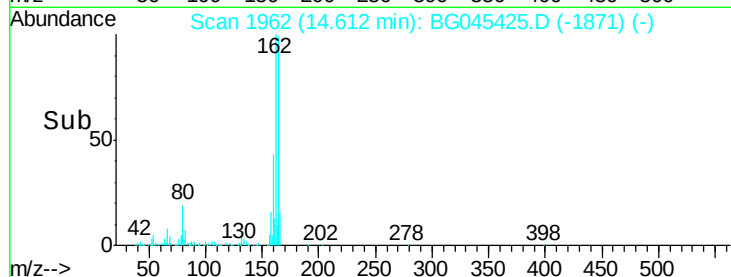
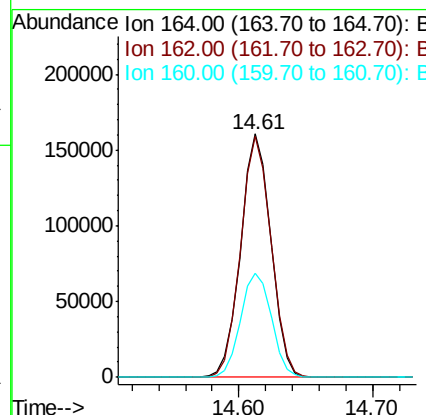
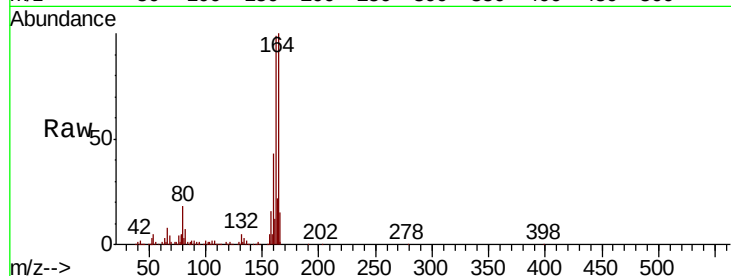
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.61 min Scan# 1962  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.9  | 76.9  | 115.3 |
| 160     | 43.0  | 33.8  | 50.8  |

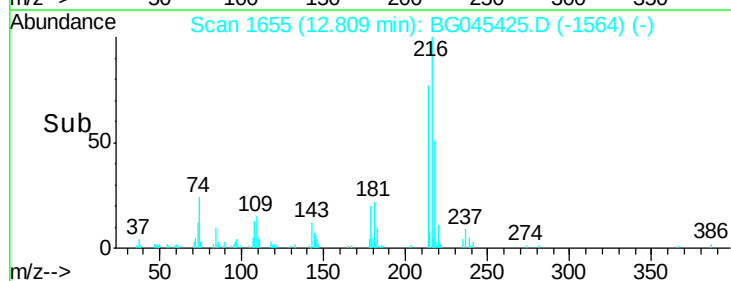
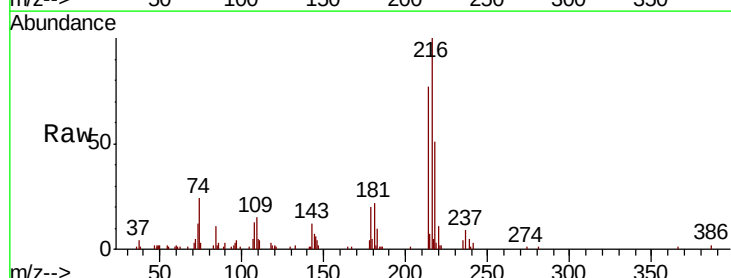
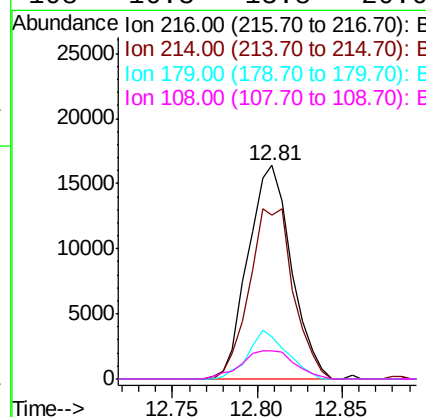
Manual Integrations  
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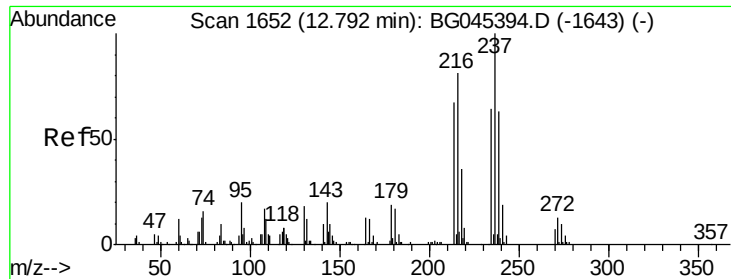


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 4.155 ng  
RT: 12.81 min Scan# 1655  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 81.1  | 63.7  | 95.5  |
| 179     | 20.1  | 16.1  | 24.1  |
| 108     | 16.3  | 13.8  | 20.6  |







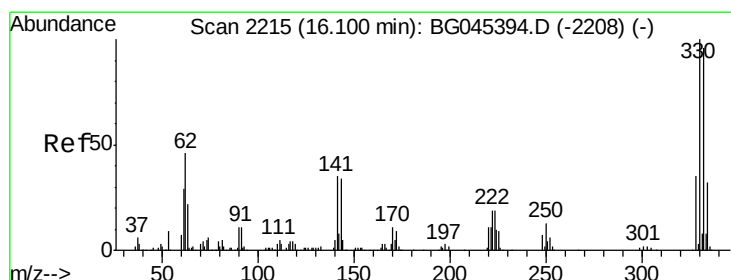
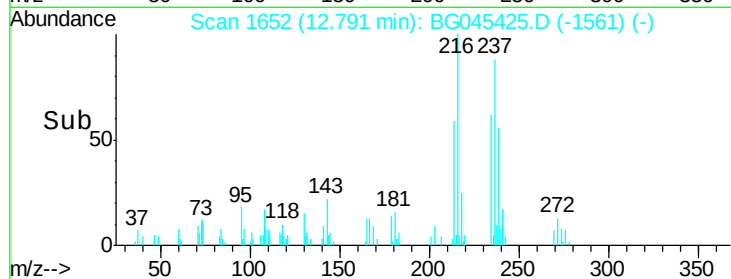
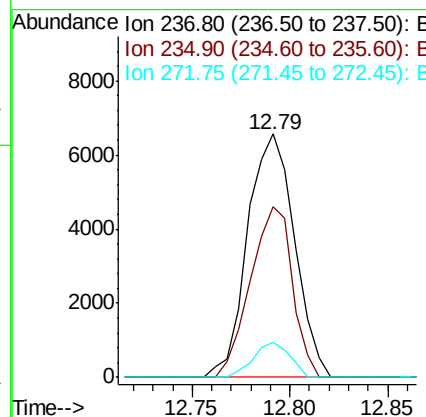
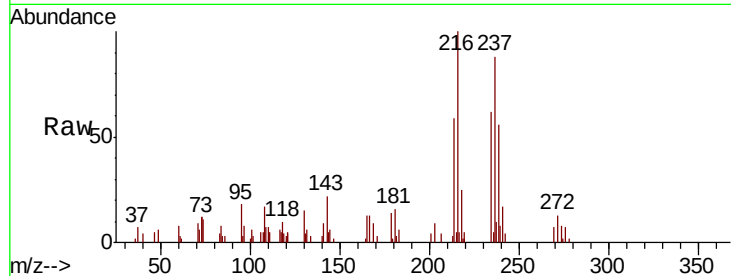
#41  
Hexachlorocyclopentadiene  
Concen: 2.679 ng  
RT: 12.79 min Scan# 1652  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 70.3  | 44.4  | 84.4  |
| 272     | 14.2  | 0.0   | 32.5  |

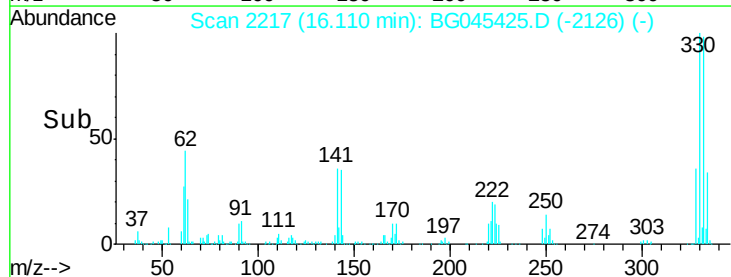
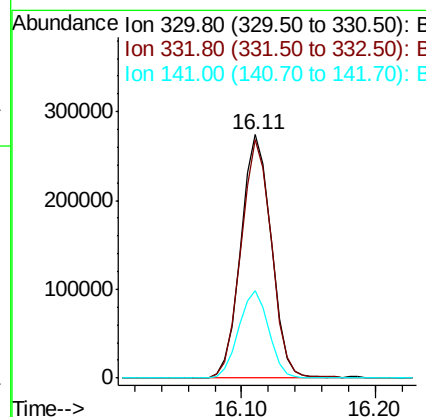
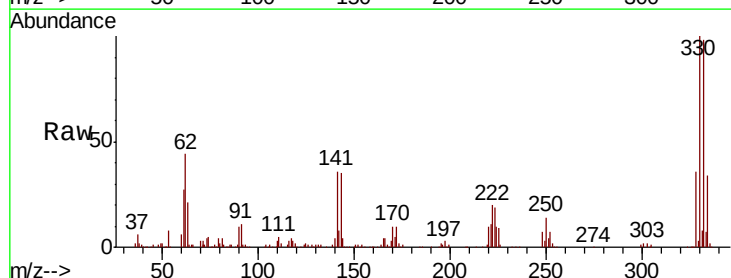
Manual Integrations  
APPROVED

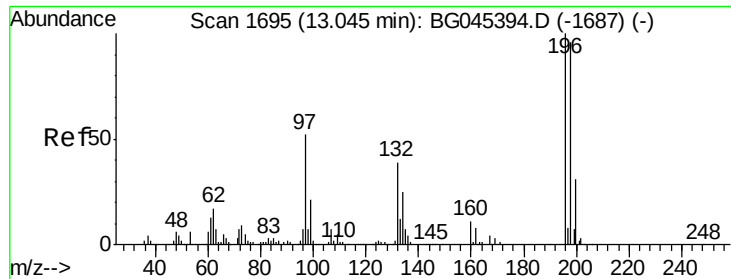
mohammad  
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#42  
2,4,6-Tribromophenol  
Concen: 134.311 ng  
RT: 16.11 min Scan# 2217  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.2  | 78.2  | 117.4 |
| 141     | 35.9  | 28.2  | 42.4  |





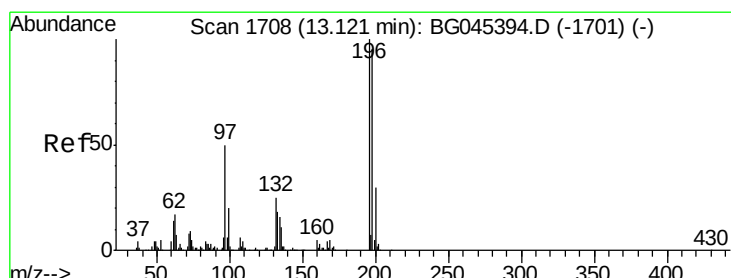
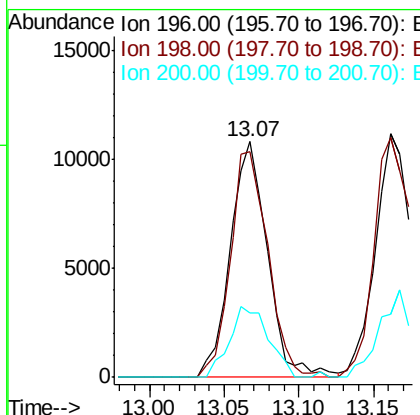
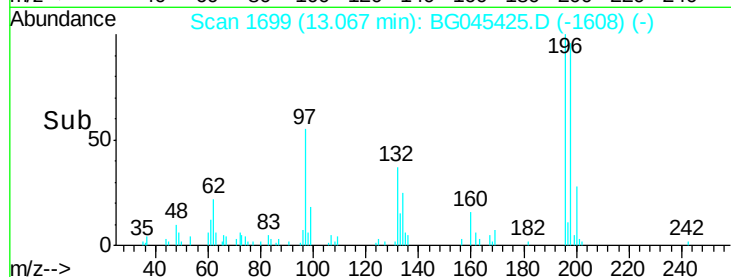
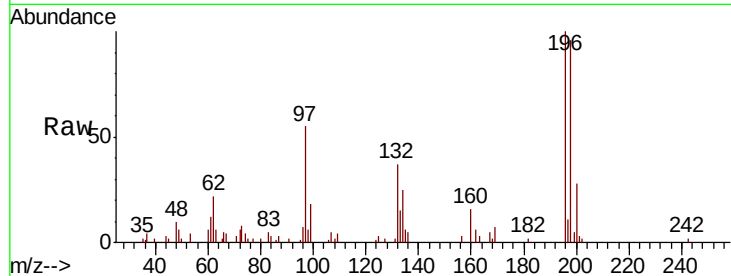
#43  
 2,4,6-Trichlorophenol  
 Concen: 3.849 ng  
 RT: 13.07 min Scan# 1699  
 Delta R.T. 0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 196   | Resp: | 18797 |
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 95.7  | 76.7  | 115.1 |
| 200       | 27.5  | 24.9  | 37.3  |

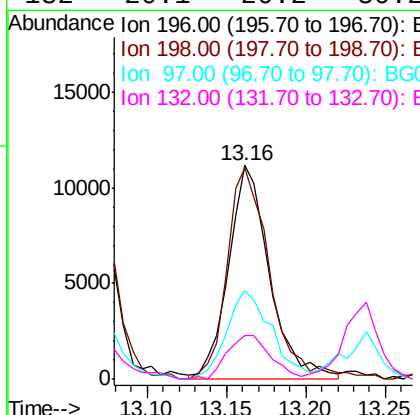
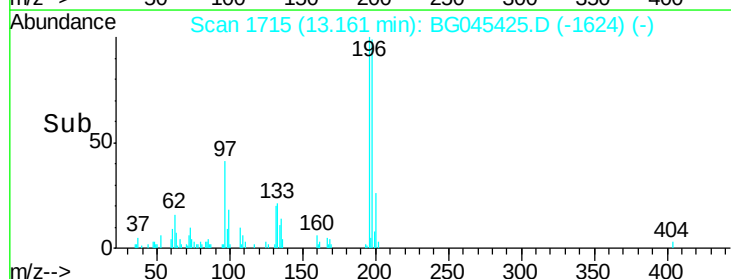
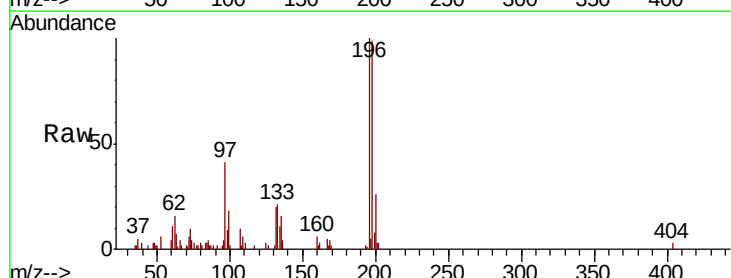
Manual Integrations  
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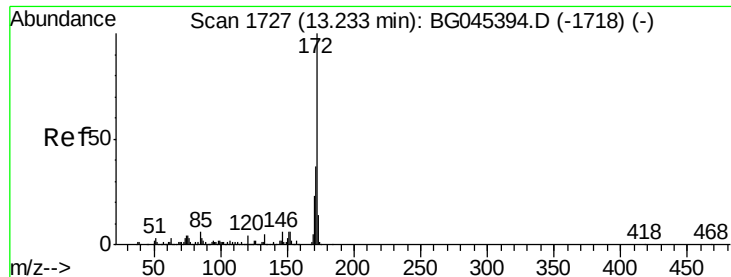
mohammad  
 5/20/2020 1:19:55 PM



#44  
 2,4,5-Trichlorophenol  
 Concen: 3.594 ng  
 RT: 13.16 min Scan# 1715  
 Delta R.T. 0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 196   | Resp: | 20057 |
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 98.7  | 76.1  | 114.1 |
| 97        | 41.2  | 40.0  | 60.0  |
| 132       | 20.1  | 20.2  | 30.2# |





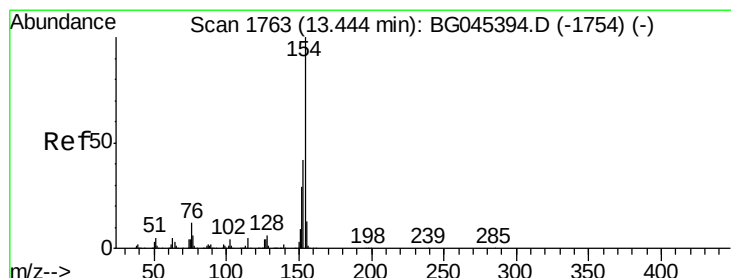
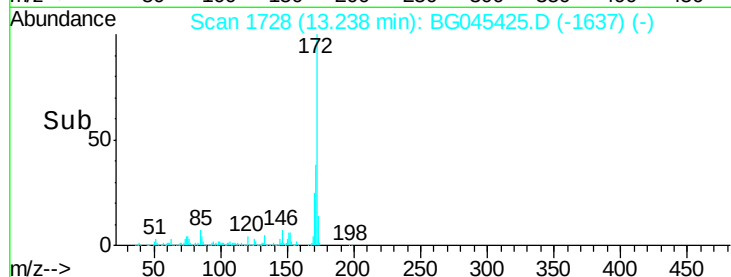
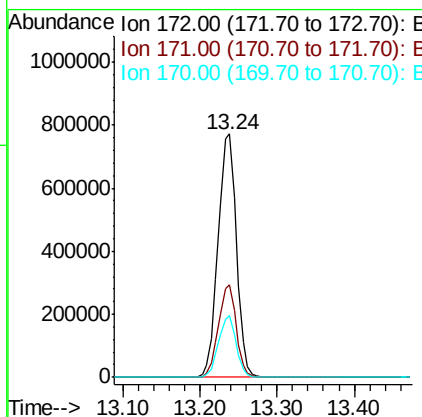
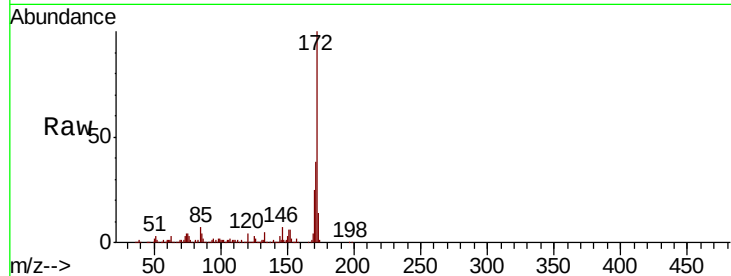
#45  
2-Fluorobiphenyl  
Concen: 85.451 ng  
RT: 13.24 min Scan# 1728  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 29.5  | 44.3  |
| 170     | 25.3  | 18.5  | 27.7  |

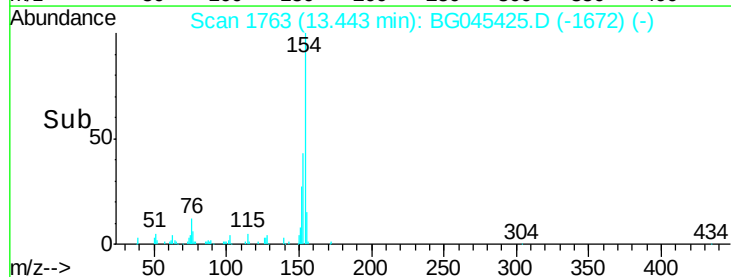
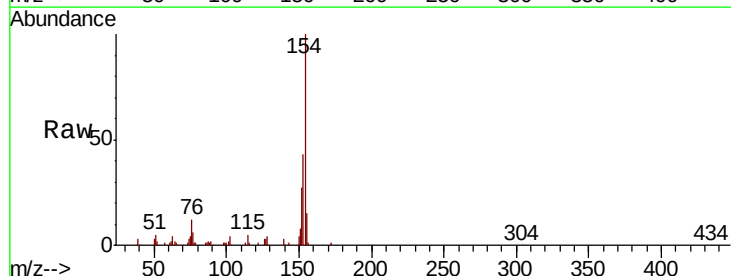
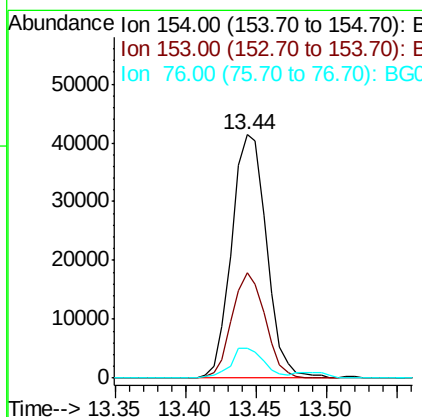
Manual Integrations  
APPROVED

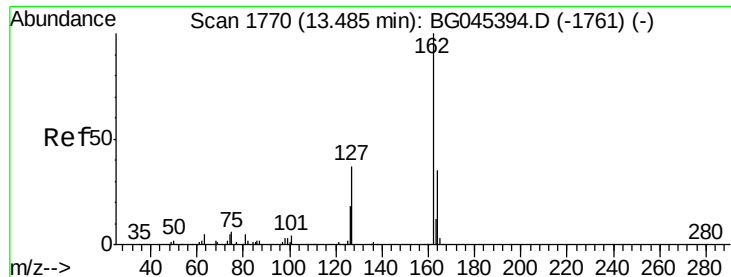
mohammad  
5/20/2020 1:19:55 PM



#46  
1,1'-Biphenyl  
Concen: 4.613 ng  
RT: 13.44 min Scan# 1763  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.3  | 22.2  | 62.2  |
| 76      | 12.2  | 0.0   | 32.4  |





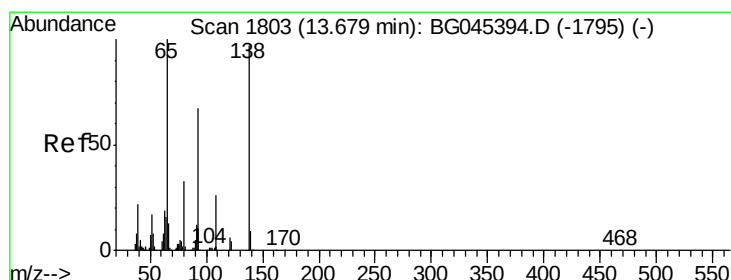
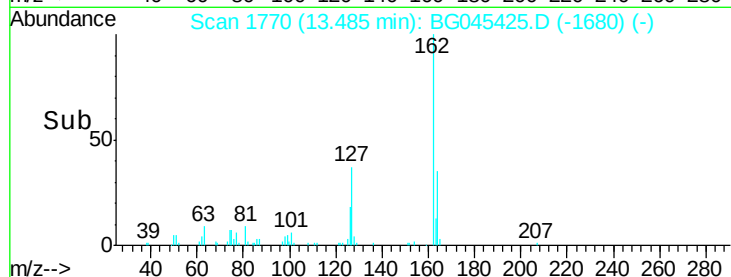
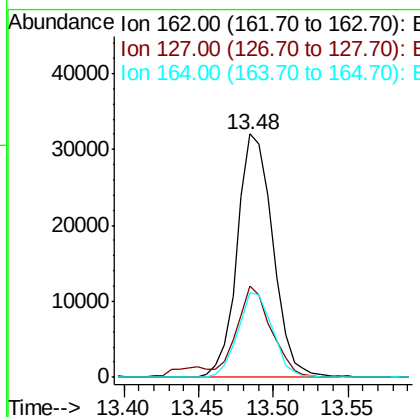
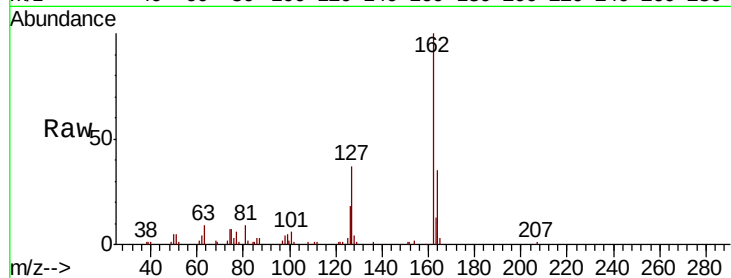
#47  
2-Chloronaphthalene  
Concen: 4.230 ng  
RT: 13.48 min Scan# 1770  
Delta R.T. -0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 162   | Resp: | 53121 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 127       | 37.5  | 31.6  | 47.4  |
| 164       | 34.6  | 28.1  | 42.1  |

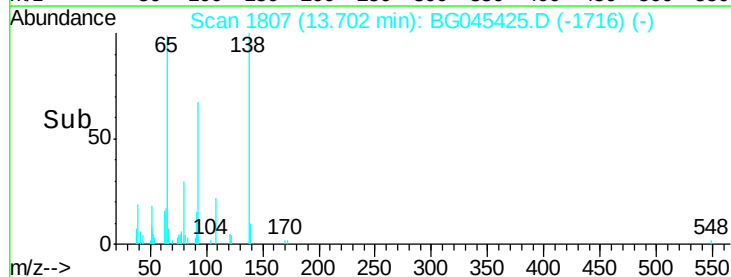
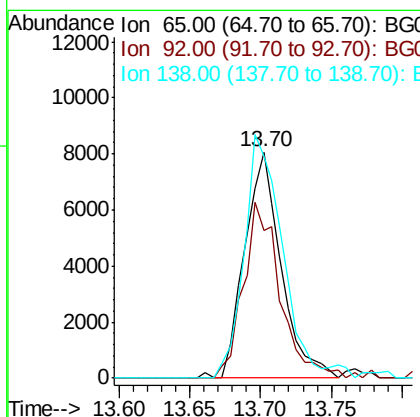
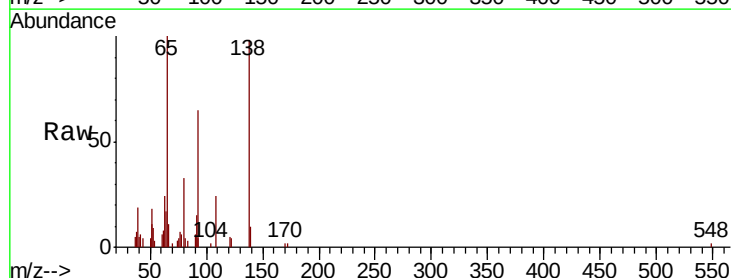
Manual Integrations  
APPROVED

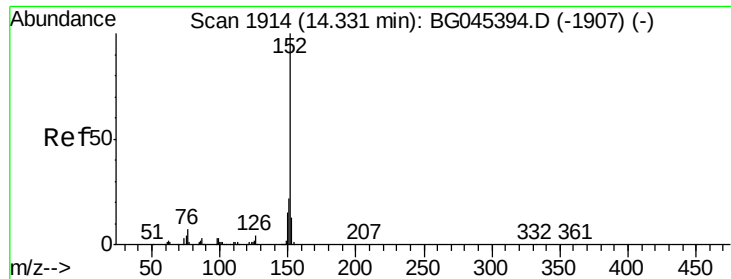
mohammad  
5/20/2020 1:19:55 PM



#48  
2-Nitroaniline  
Concen: 3.537 ng  
RT: 13.70 min Scan# 1807  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 65    | Resp: | 14613 |
| Ion Ratio | Lower | Upper |       |
| 65        | 100   |       |       |
| 92        | 65.3  | 53.8  | 80.8  |
| 138       | 98.1  | 77.9  | 116.9 |





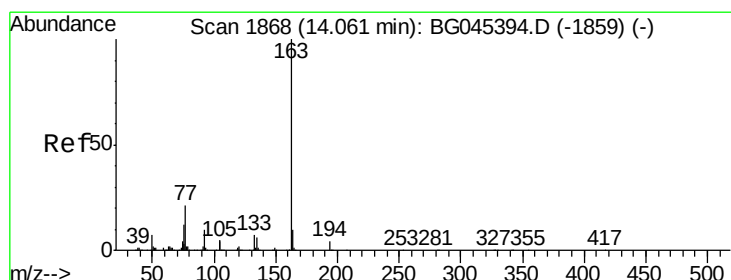
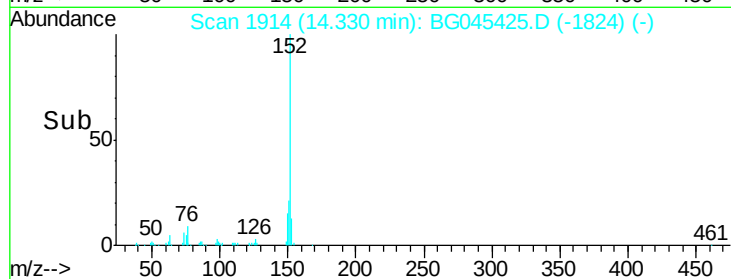
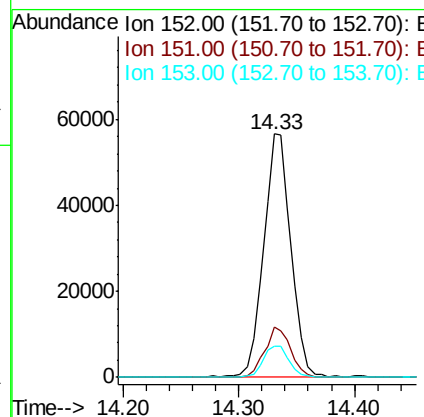
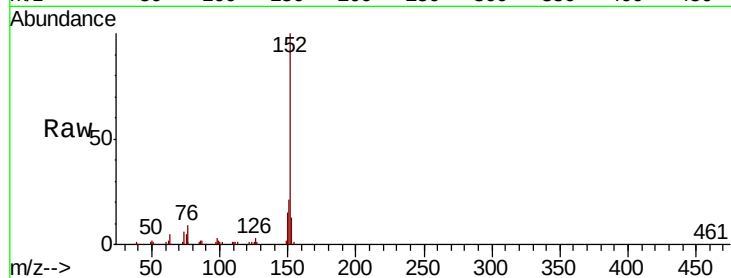
#49  
Acenaphthylene  
Concen: 4.617 ng  
RT: 14.33 min Scan# 1914  
Delta R.T. -0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 93132 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 20.5  | 17.4  | 26.2  |
| 153       | 12.8  | 10.7  | 16.1  |

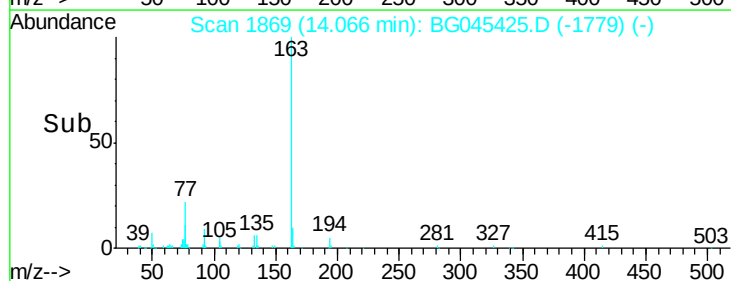
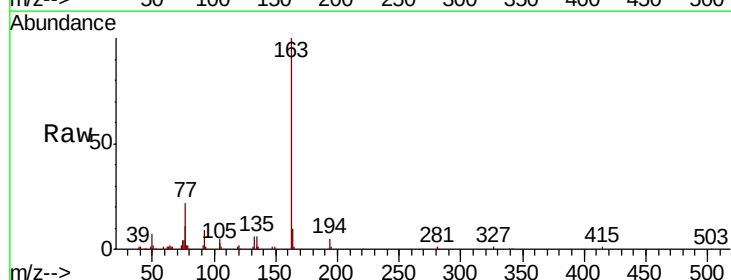
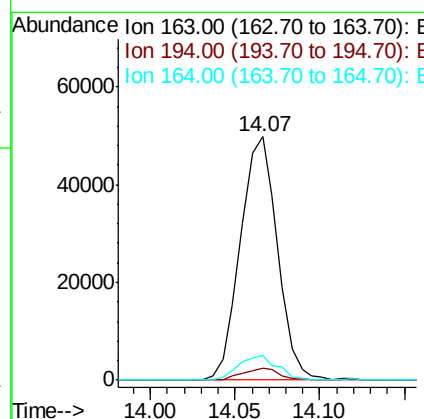
Manual Integrations  
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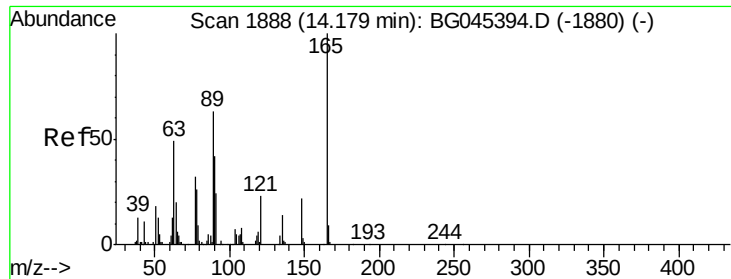
mohammad  
5/20/2020 1:19:55 PM



#50  
Dimethylphthalate  
Concen: 4.411 ng  
RT: 14.07 min Scan# 1869  
Delta R.T. -0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 76167 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 5.0   | 3.2   | 4.8#  |
| 164       | 10.0  | 8.3   | 12.5  |





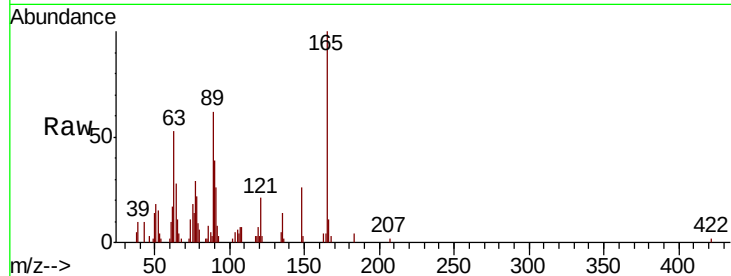
#51  
 2,6-Dinitrotoluene  
 Concen: 4.088 ng  
 RT: 14.18 min Scan# 1889  
 Delta R.T. -0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

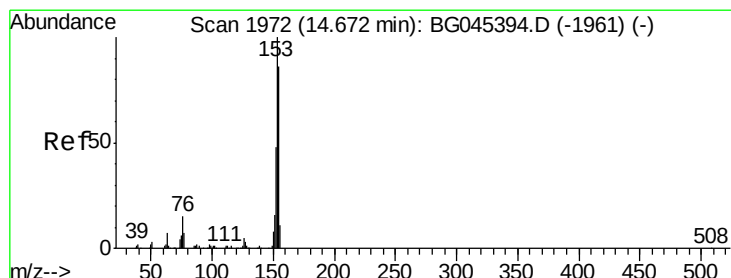
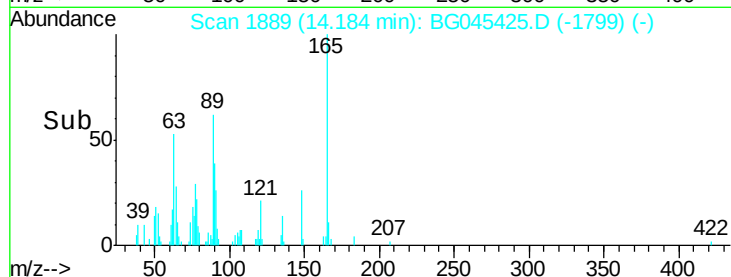
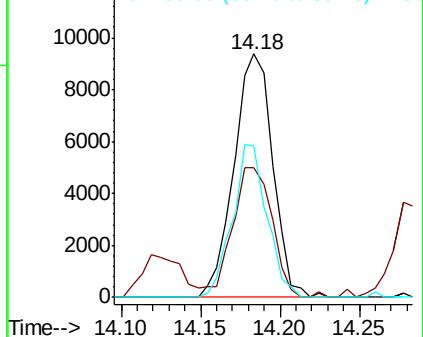
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 53.3  | 45.0 | 67.4  |       |
| 89      | 62.3  | 50.2 | 75.4  |       |

Manual Integrations  
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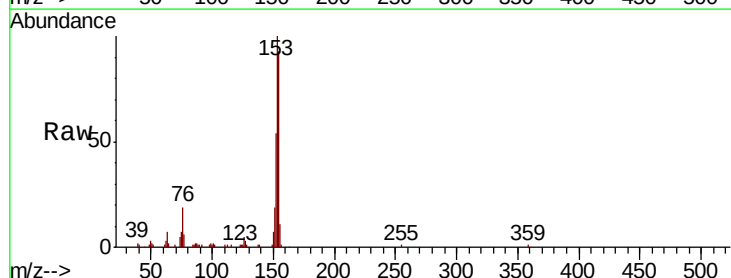


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BG  
 Ion 89.00 (88.70 to 89.70): BG

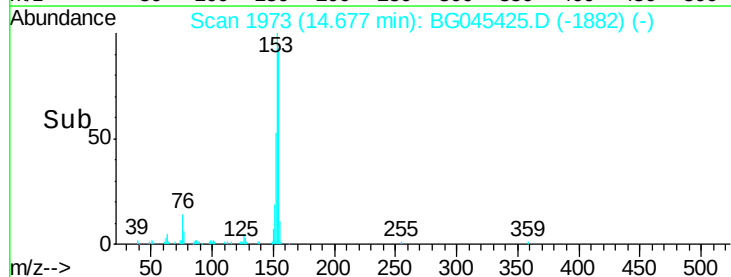
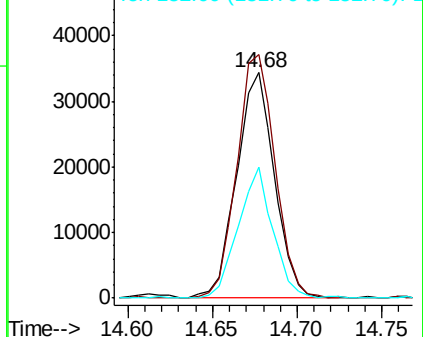


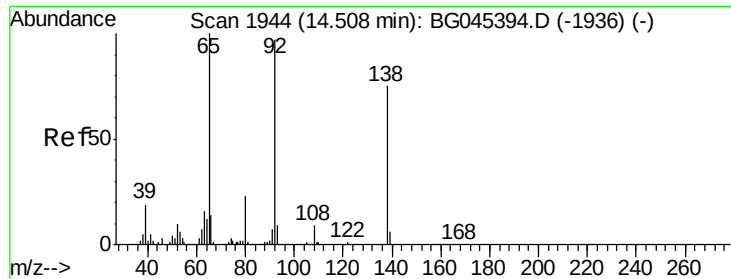
#52  
 Acenaphthene  
 Concen: 3.966 ng  
 RT: 14.68 min Scan# 1973  
 Delta R.T. 0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 108.1 | 92.8 | 139.2 |       |
| 152     | 58.2  | 44.6 | 66.8  |       |



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





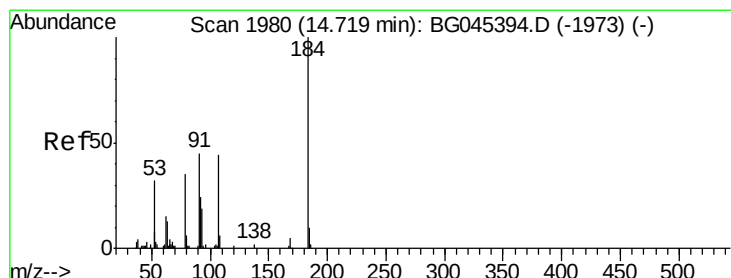
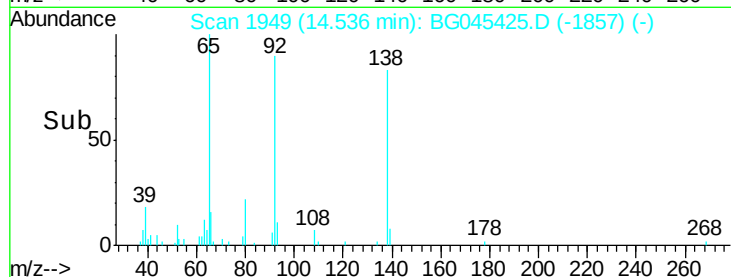
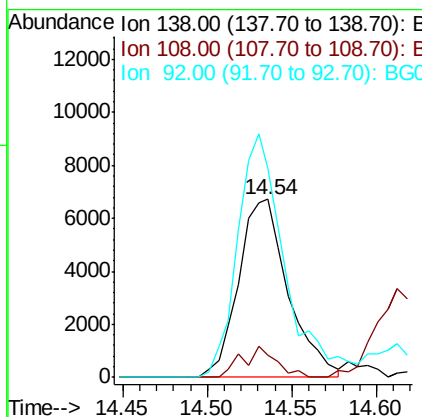
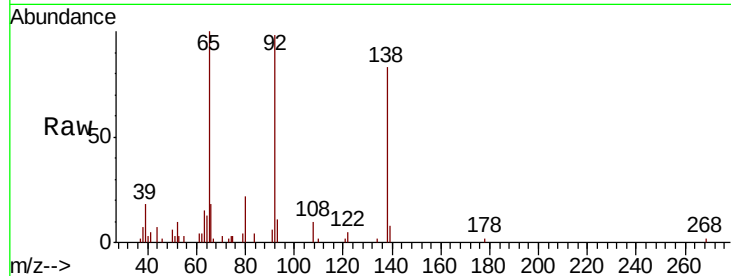
#53  
3-Nitroaniline  
Concen: 3.459 ng  
RT: 14.54 min Scan# 1949  
Delta R.T. 0.01 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 12.4  | 9.8   | 14.6  |
| 92      | 117.8 | 103.0 | 154.4 |

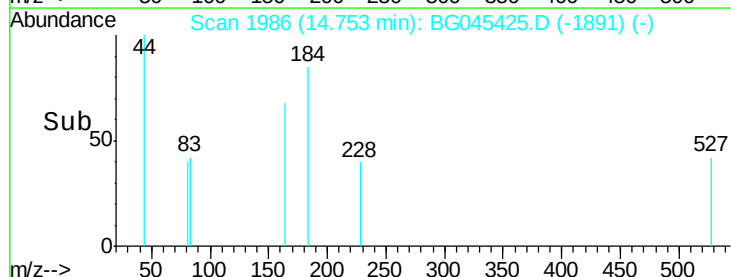
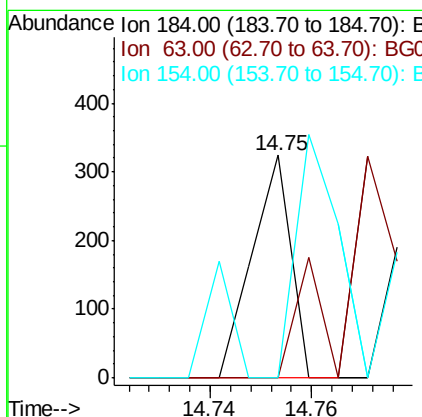
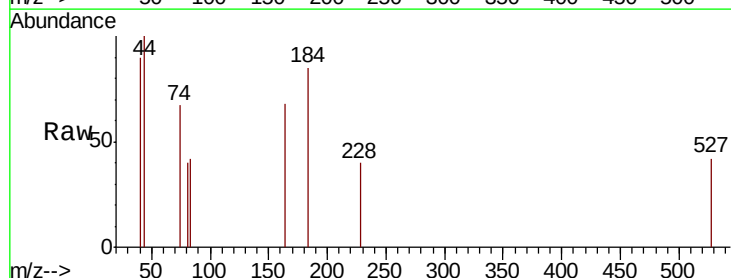
Manual Integrations  
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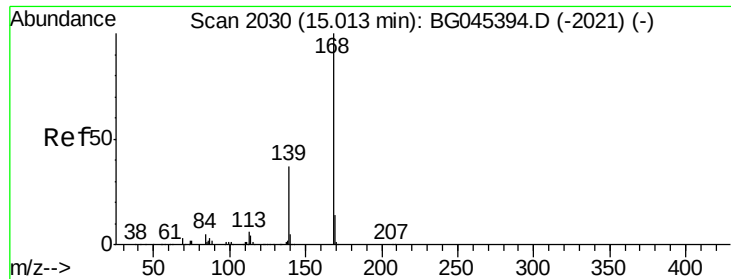
mohammad  
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#54  
2,4-Dinitrophenol  
Concen: 0.076 ng  
RT: 14.75 min Scan# 1986  
Delta R.T. 0.03 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 0.0   | 47.8  | 71.6# |
| 154     | 0.0   | 58.3  | 87.5# |





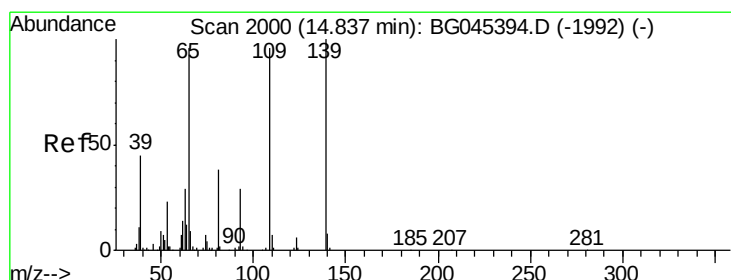
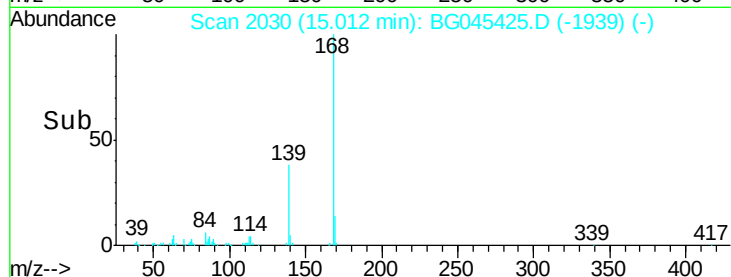
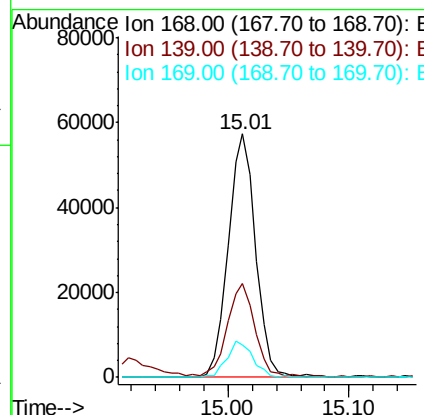
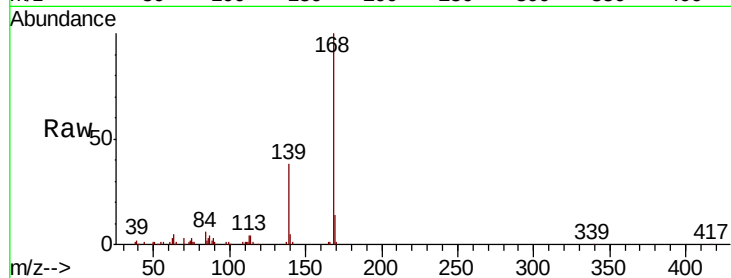
#55  
Dibenzenofuran  
Concen: 4.490 ng  
RT: 15.01 min Scan# 2030  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.4  | 29.9  | 44.9  |
| 169     | 13.5  | 10.9  | 16.3  |

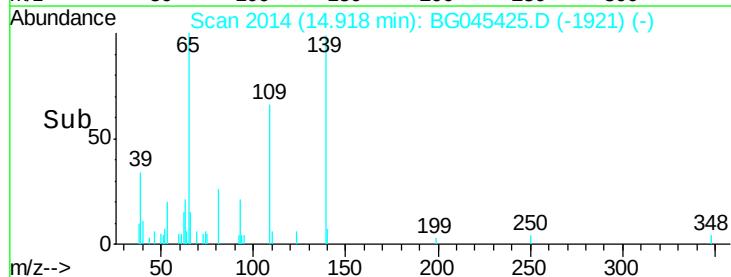
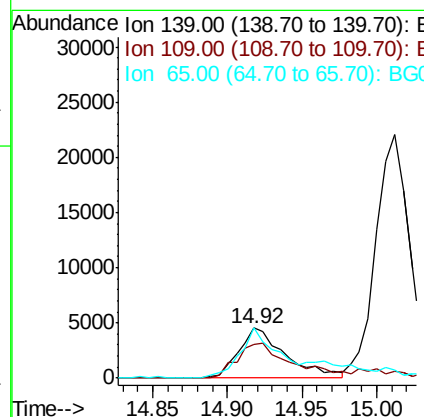
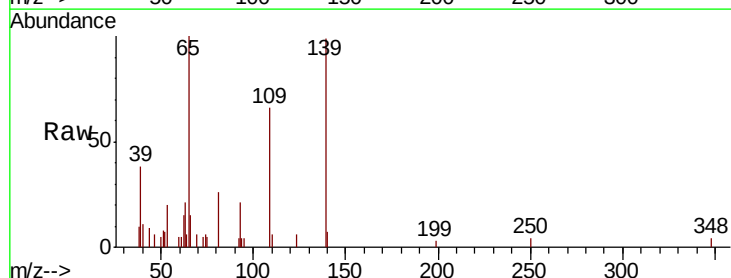
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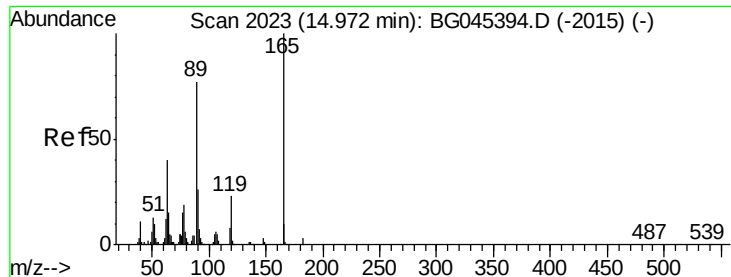


#56  
4-Nitrophenol  
Concen: 3.306 ng  
RT: 14.92 min Scan# 2014  
Delta R.T. 0.01 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 66.6  | 75.6  | 115.6# |
| 65      | 101.3 | 76.8  | 116.8  |







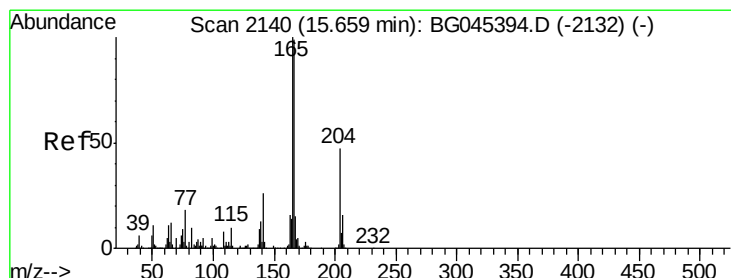
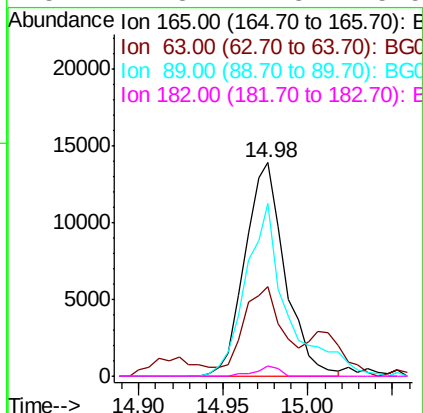
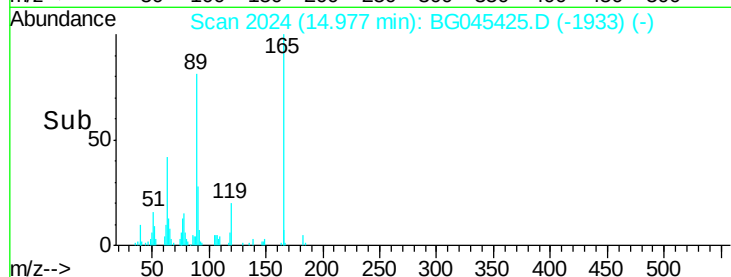
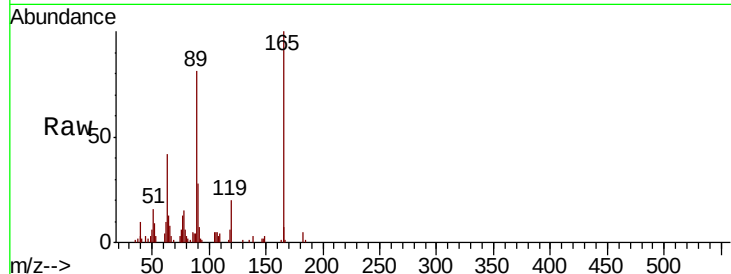
#57  
2,4-Dinitrotoluene  
Concen: 4.069 ng  
RT: 14.98 min Scan# 2024  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 165   | Resp: | 22958 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 41.7  | 32.5  | 48.7  |
| 89        | 80.7  | 61.8  | 92.6  |
| 182       | 4.8   | 2.3   | 3.5#  |

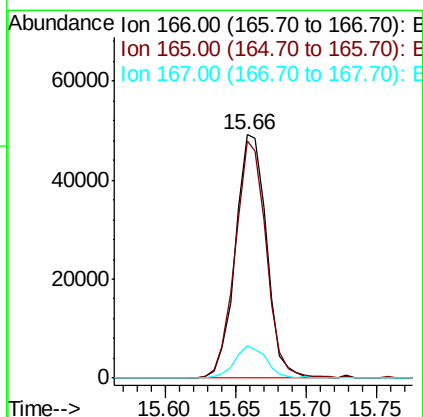
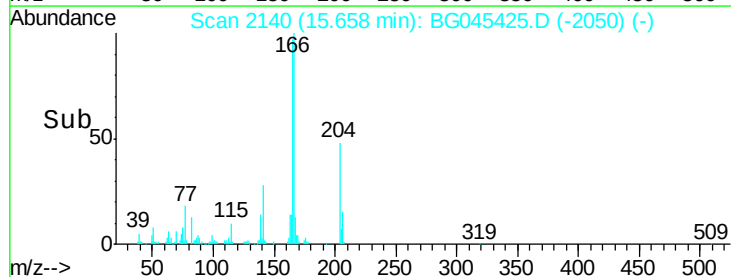
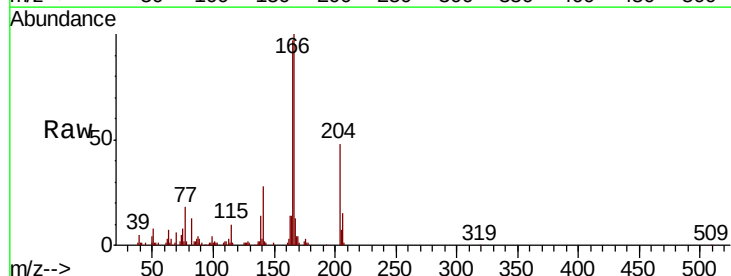
Manual Integrations  
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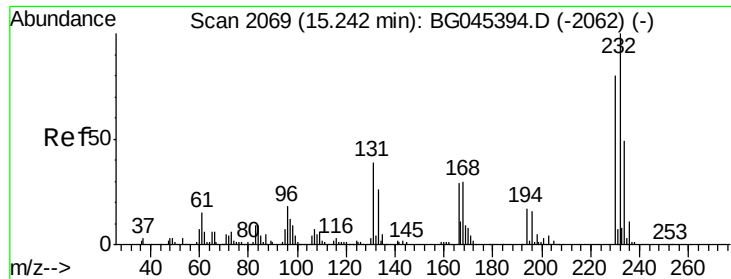
mohammad  
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#58  
Fluorene  
Concen: 4.587 ng  
RT: 15.66 min Scan# 2140  
Delta R.T. -0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 75572 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 97.2  | 80.8  | 121.2 |
| 167       | 13.5  | 12.0  | 18.0  |





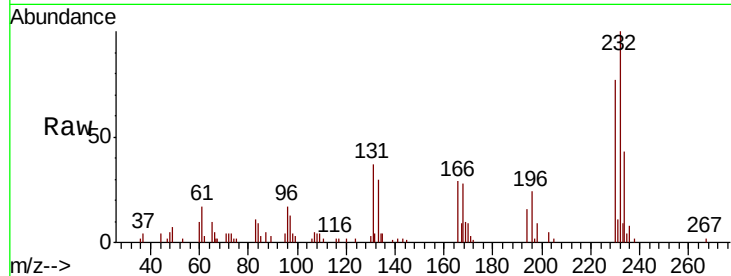
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 4.041 ng  
 RT: 15.26 min Scan# 2072  
 Delta R.T. 0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

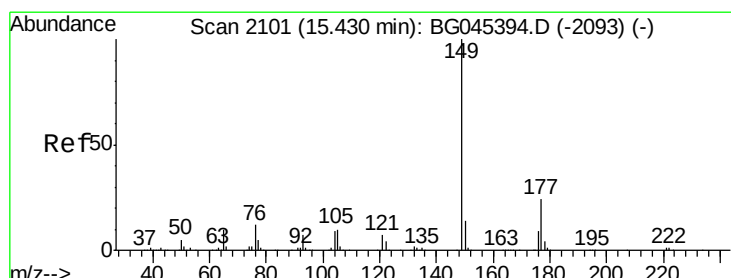
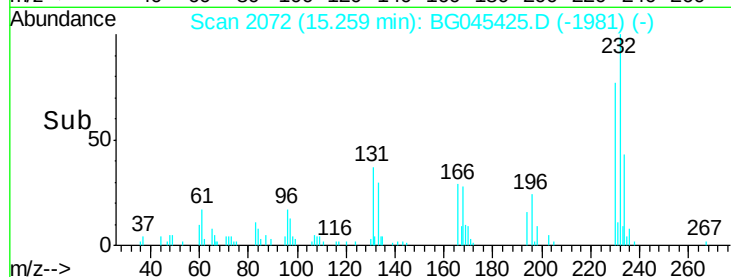
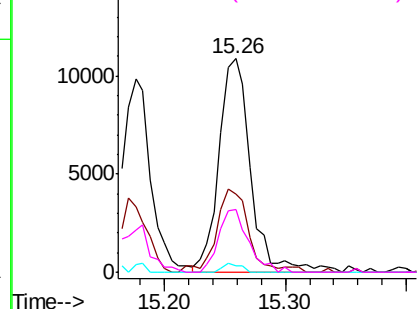
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 38.0  | 33.7  | 50.5  |
| 130     | 2.3   | 2.1   | 3.1   |
| 166     | 27.4  | 23.2  | 34.8  |

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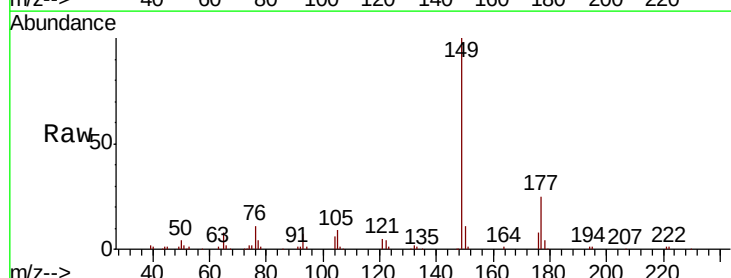


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

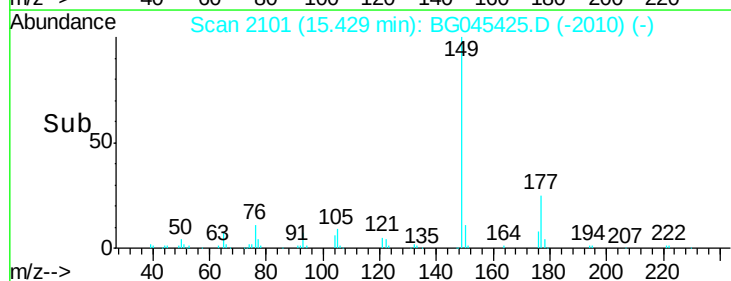
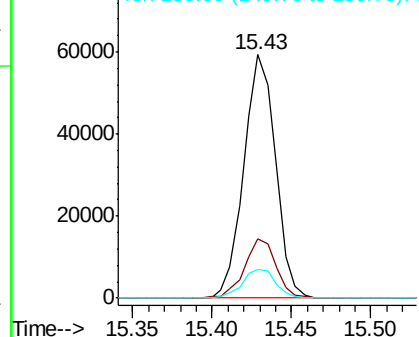


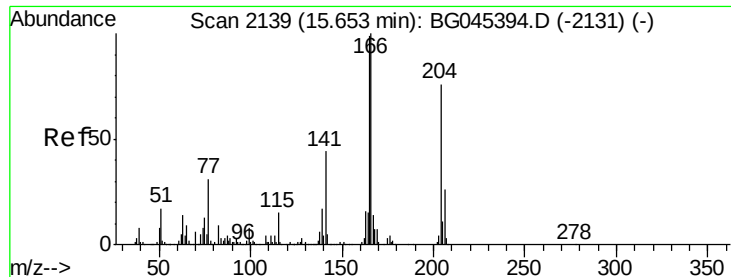
#60  
 Diethylphthalate  
 Concen: 4.561 ng  
 RT: 15.43 min Scan# 2101  
 Delta R.T. 0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 24.5  | 19.0  | 28.4  |
| 150     | 11.5  | 11.4  | 17.0  |



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





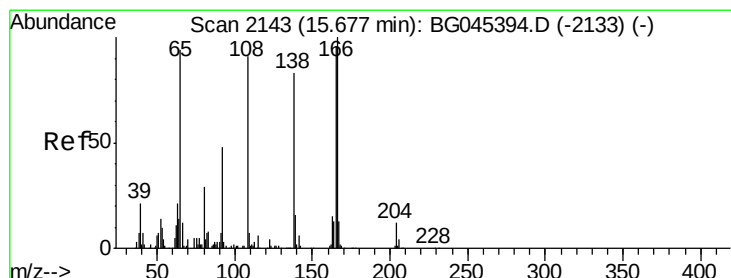
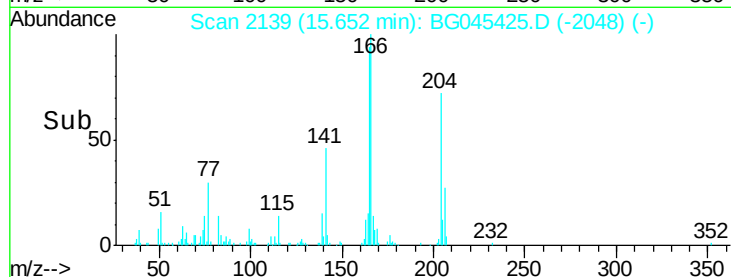
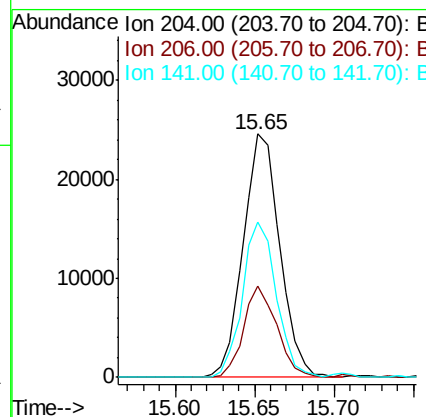
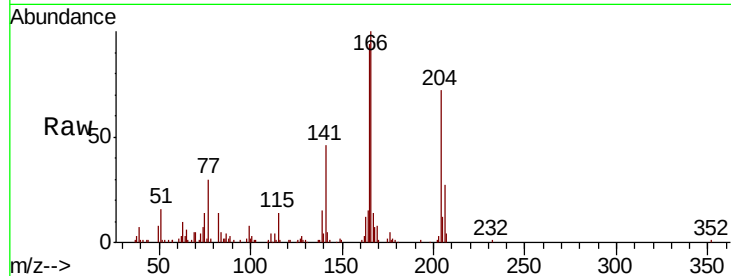
#61  
 4-Chlorophenyl-phenylether  
 Concen: 4.163 ng  
 RT: 15.65 min Scan# 2139  
 Delta R.T. 0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 37.6  | 27.3  | 40.9  |
| 141     | 64.0  | 45.9  | 68.9  |

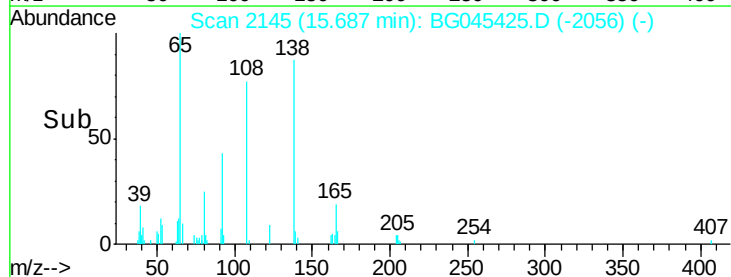
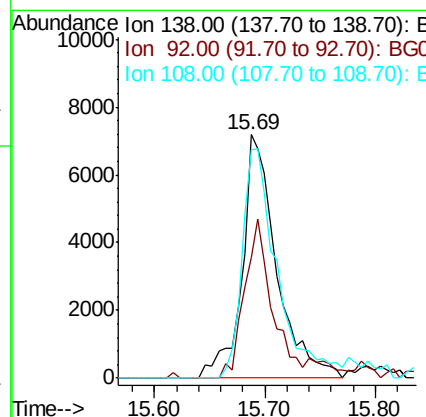
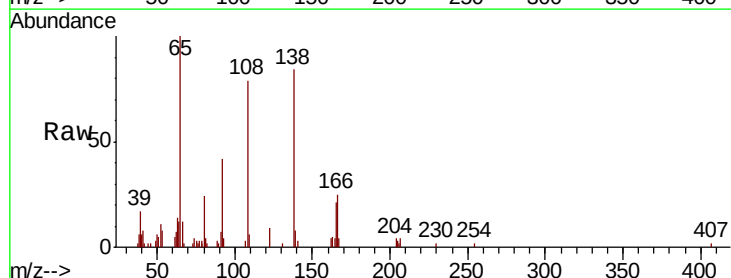
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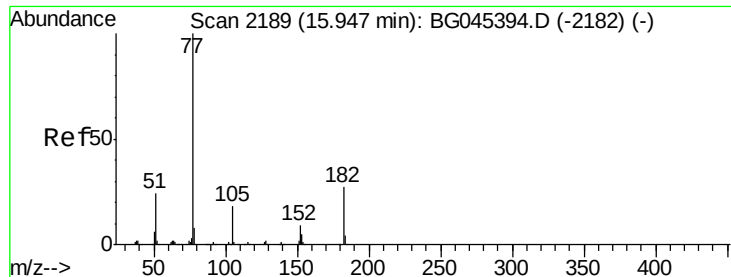
mohammad  
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#62  
 4-Nitroaniline  
 Concen: 3.799 ng  
 RT: 15.69 min Scan# 2145  
 Delta R.T. -0.01 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 49.5  | 38.0  | 78.0  |
| 108     | 93.9  | 89.3  | 129.3 |





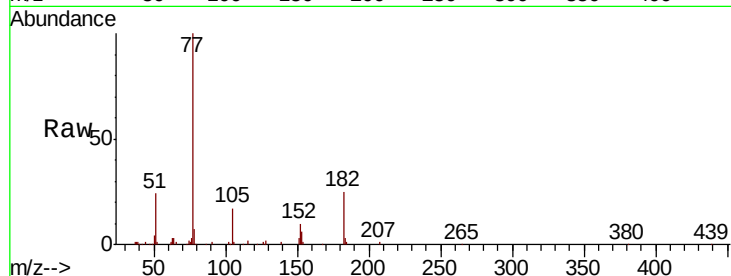
#63  
Azobenzene  
Concen: 4.321 ng  
RT: 15.95 min Scan# 2189  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

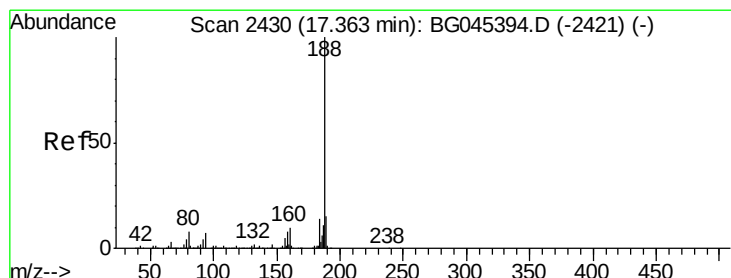
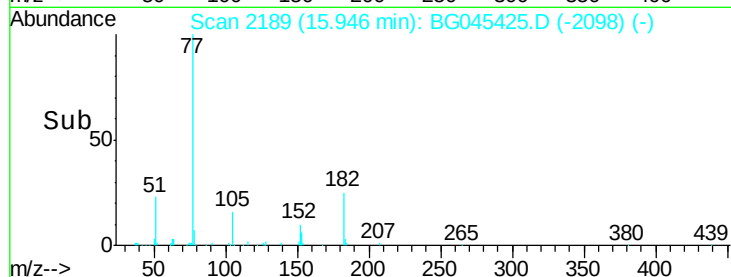
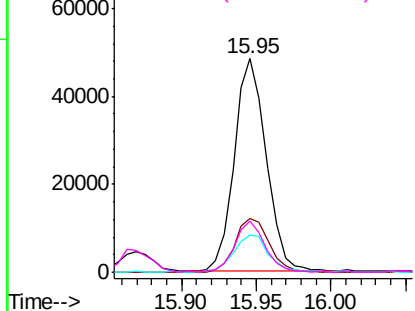
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 77      | 100  |       |      |       |       |
| 182     | 25.1 | 6.5   | 46.5 |       |       |
| 105     | 17.4 | 0.0   | 37.9 |       |       |
| 51      | 23.8 | 4.1   | 44.1 |       |       |

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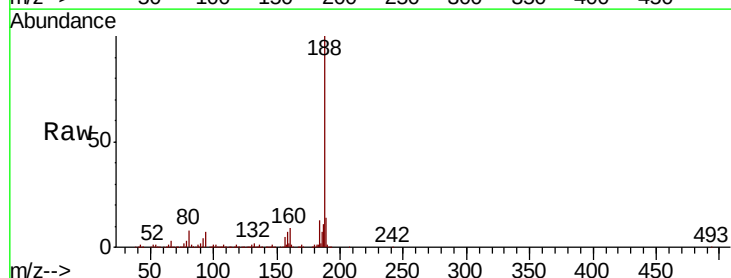


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

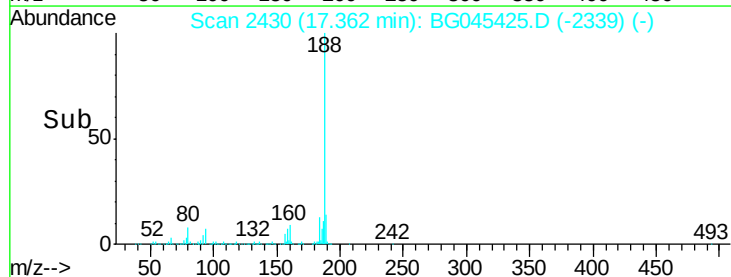
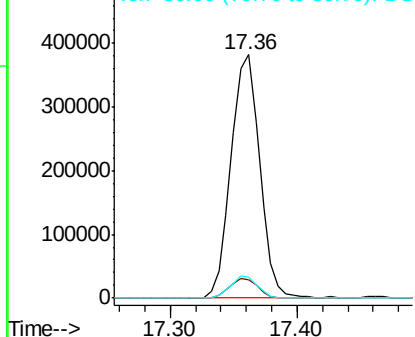


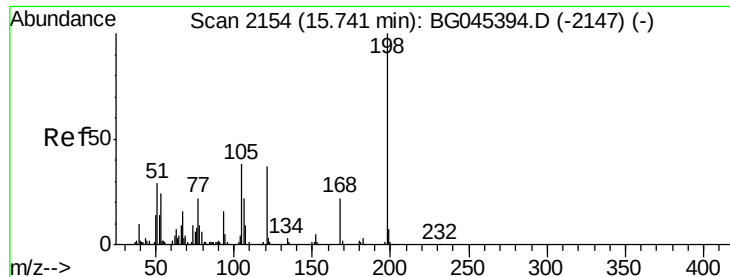
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.36 min Scan# 2430  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 188     | 100 |       |      |       |       |
| 94      | 7.3 | 5.5   | 8.3  |       |       |
| 80      | 8.4 | 6.6   | 10.0 |       |       |



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





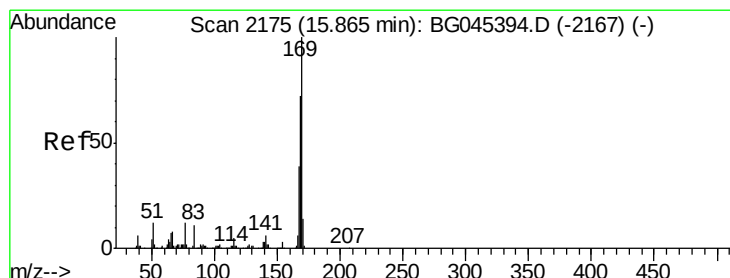
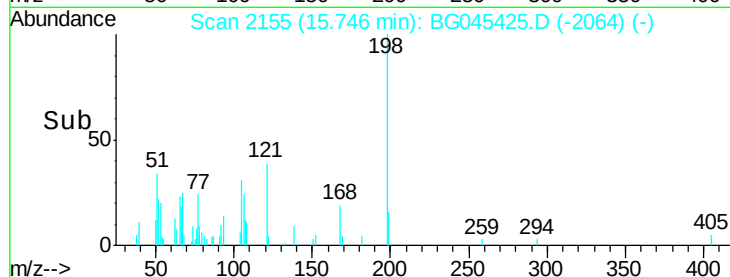
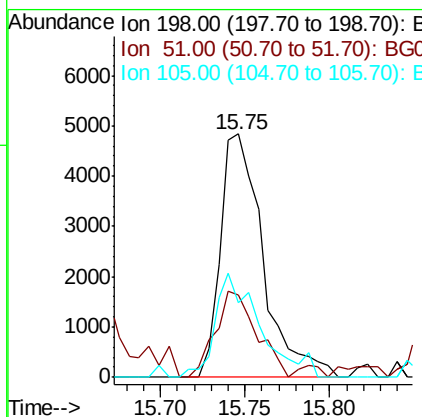
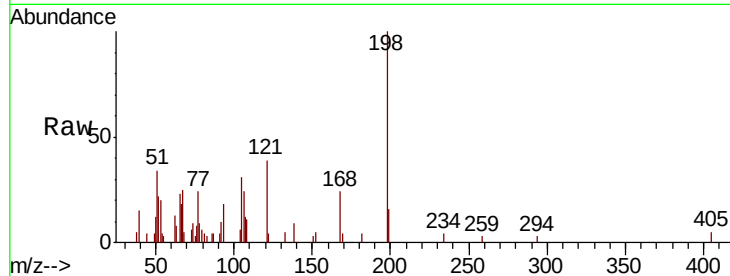
#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.433 ng  
RT: 15.75 min Scan# 2155  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 33.7  | 10.0  | 50.0  |
| 105     | 30.8  | 18.9  | 58.9  |

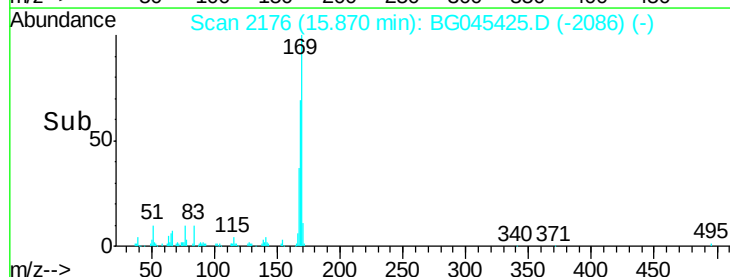
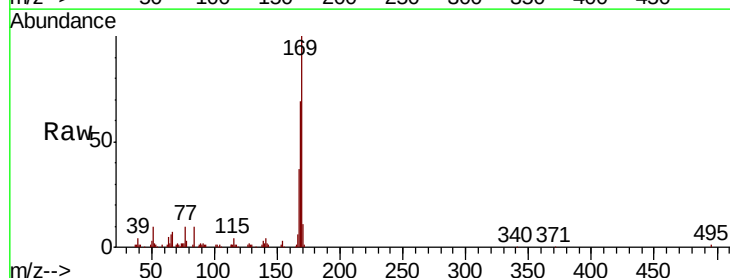
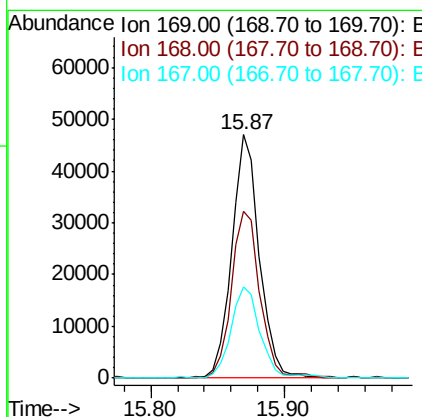
Manual Integrations  
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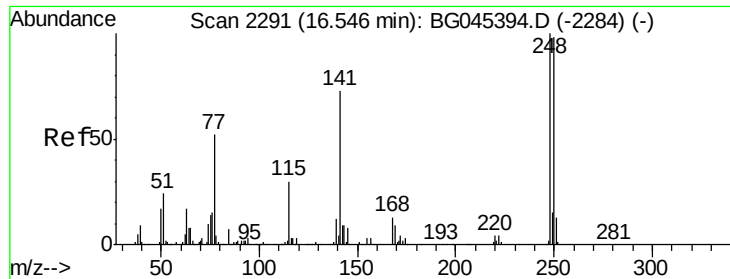
mohammad  
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#66  
n-Nitrosodiphenylamine  
Concen: 4.700 ng  
RT: 15.87 min Scan# 2176  
Delta R.T. -0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 68.5  | 57.8  | 86.6  |
| 167     | 37.4  | 31.5  | 47.3  |





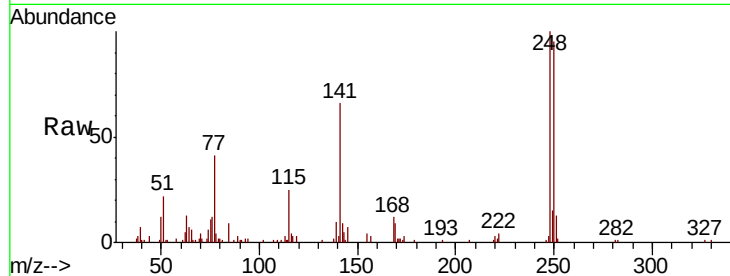
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.128 ng  
 RT: 16.55 min Scan# 2292  
 Delta R.T. 0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 94.7  | 78.6  | 117.8 |
| 141     | 66.1  | 58.2  | 87.2  |

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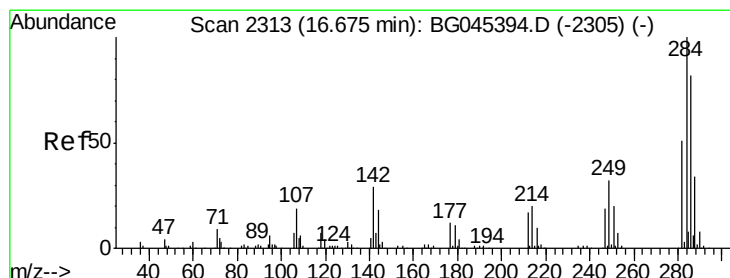
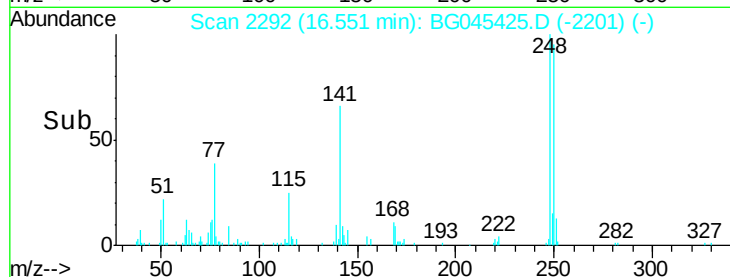
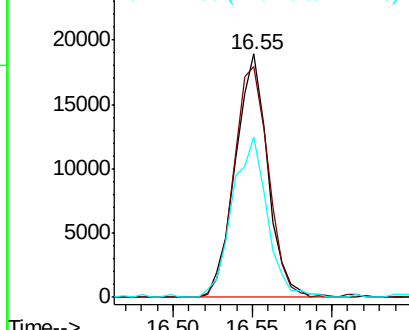


Abundance

Ion 248.00 (247.70 to 248.70): E

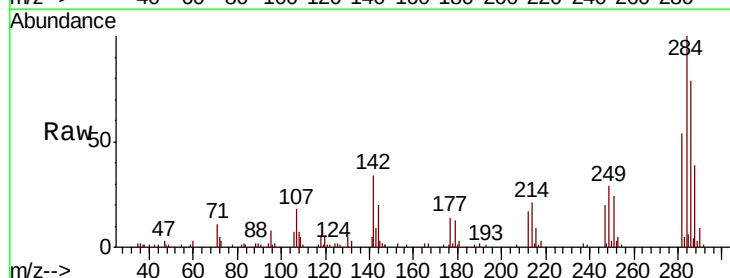
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
 Hexachlorobenzene  
 Concen: 4.618 ng  
 RT: 16.67 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 34.3  | 23.0  | 34.6  |
| 249     | 28.7  | 25.8  | 38.6  |

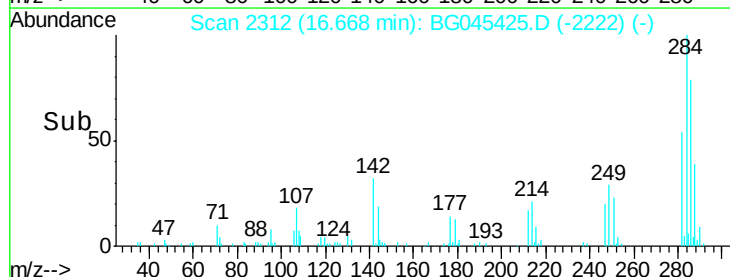
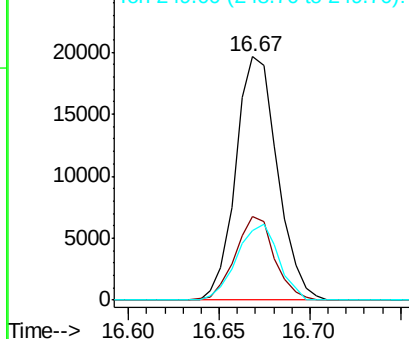


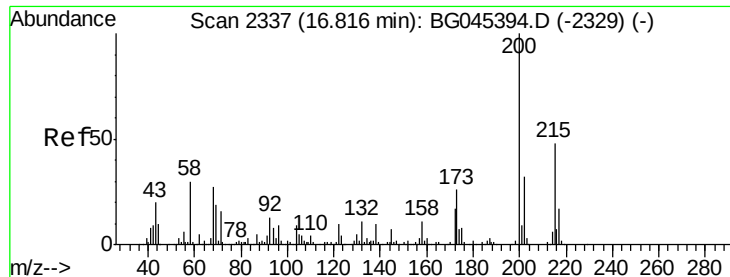
Abundance

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





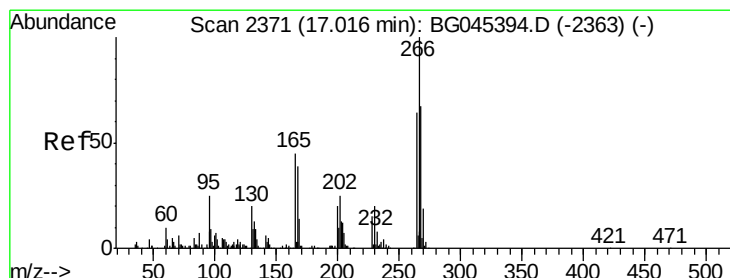
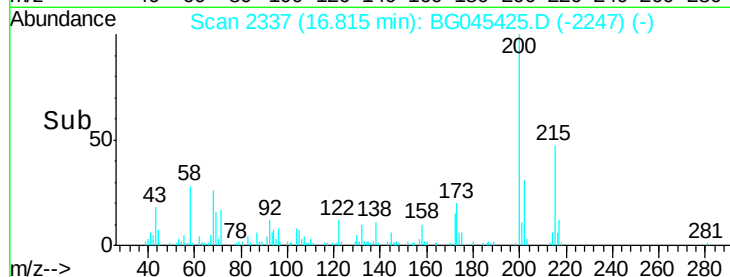
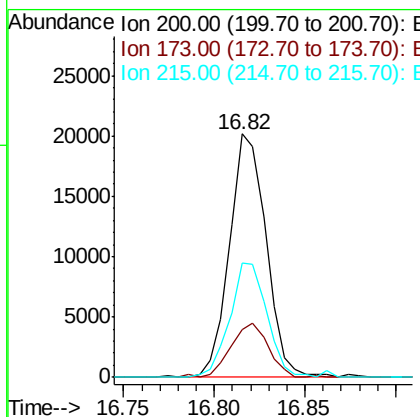
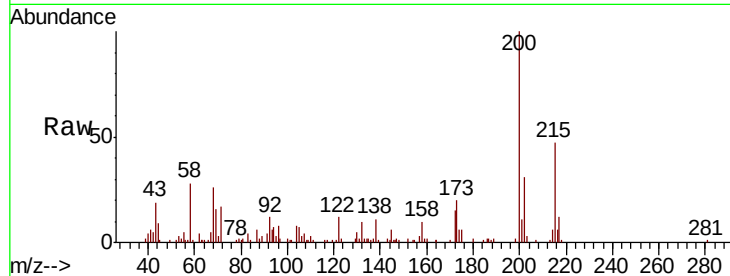
#69  
Atrazine  
Concen: 4.793 ng  
RT: 16.82 min Scan# 2337  
Delta R.T. -0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 19.7  | 5.5   | 45.5  |
| 215     | 47.1  | 28.2  | 68.2  |

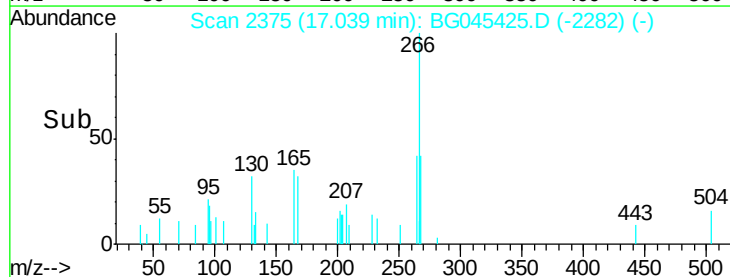
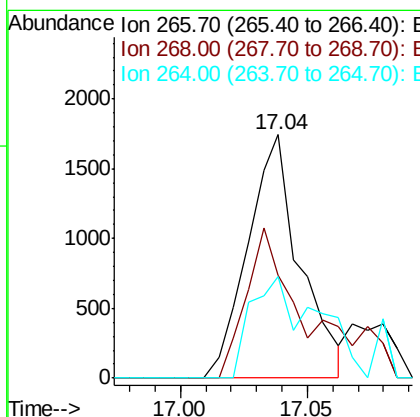
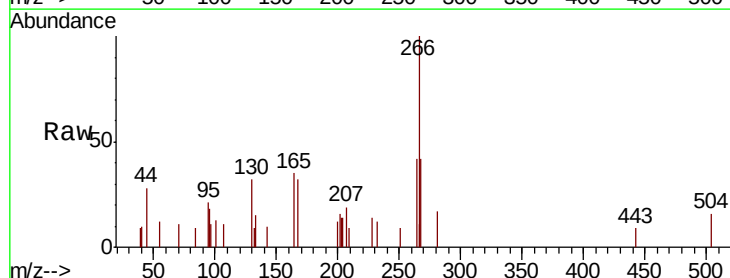
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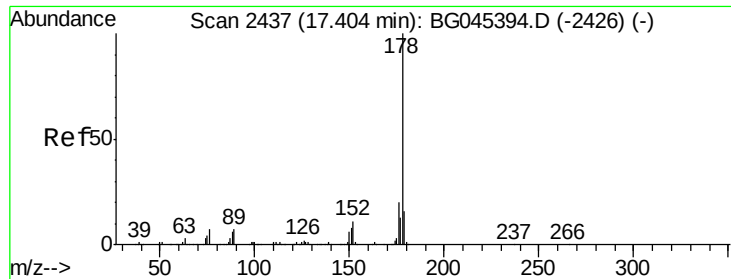
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#70  
Pentachlorophenol  
Concen: 0.707 ng  
RT: 17.04 min Scan# 2375  
Delta R.T. 0.01 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 42.4  | 53.2  | 79.8# |
| 264     | 41.6  | 51.0  | 76.4# |





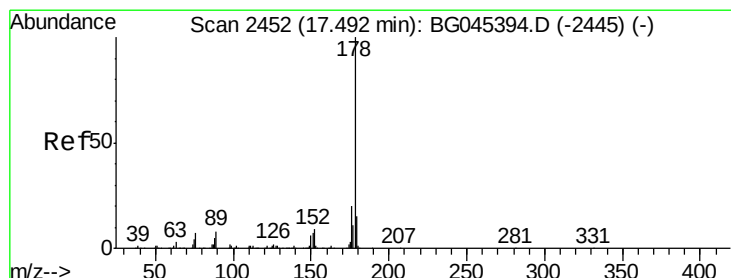
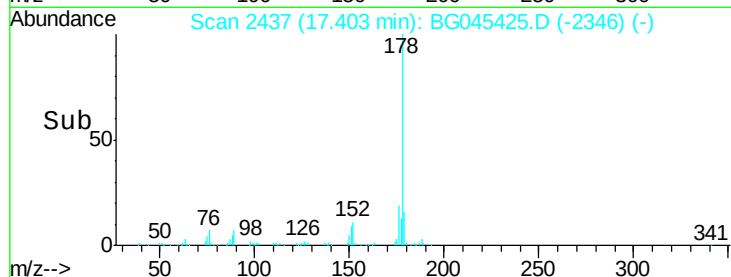
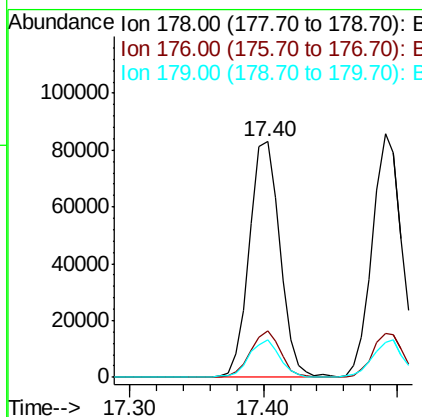
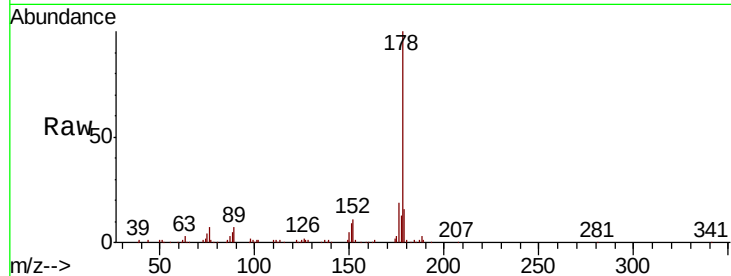
#71  
Phenanthrene  
Concen: 5.003 ng  
RT: 17.40 min Scan# 2437  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.5  | 16.2  | 24.4  |
| 179     | 16.1  | 13.1  | 19.7  |

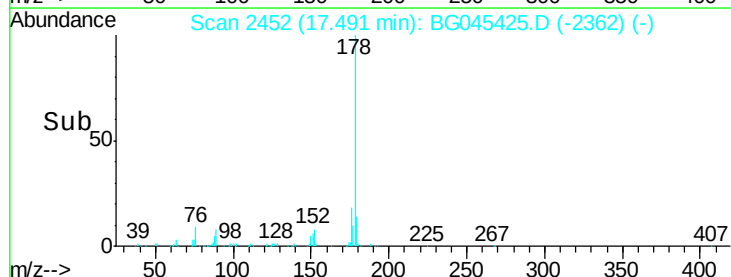
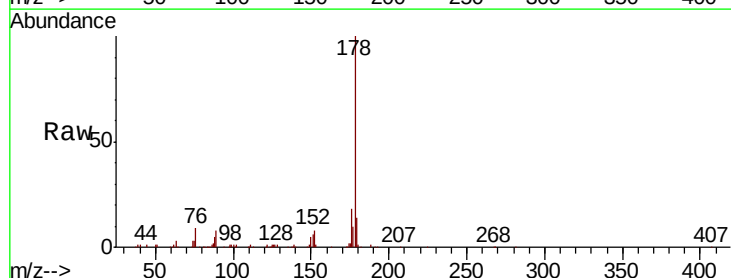
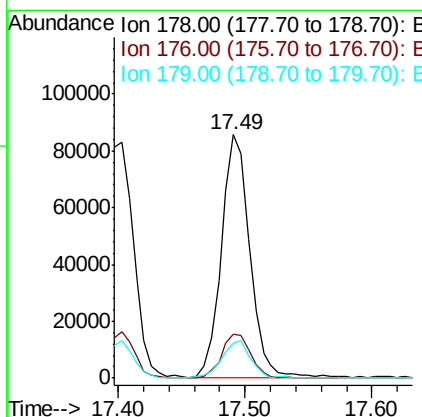
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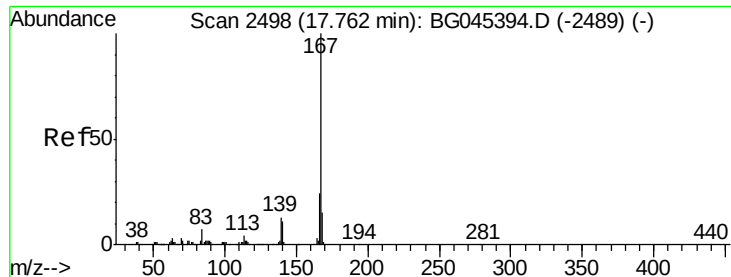


#72  
Anthracene  
Concen: 5.042 ng  
RT: 17.49 min Scan# 2452  
Delta R.T. -0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.3  | 15.8  | 23.6  |
| 179     | 14.5  | 12.2  | 18.4  |







#73

Carbazole

Concen: 4.797 ng

RT: 17.77 min Scan# 2500

Delta R.T. 0.00 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

Instrument :

BNA\_G

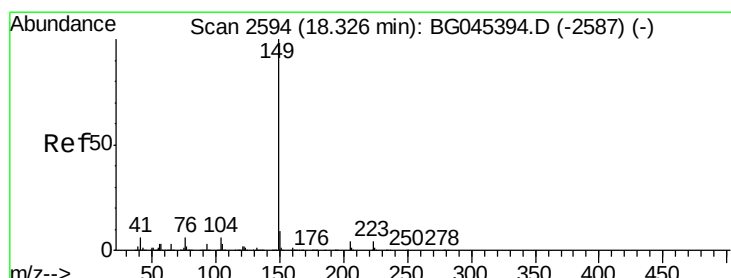
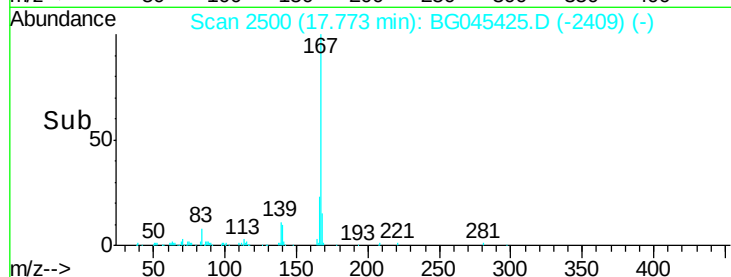
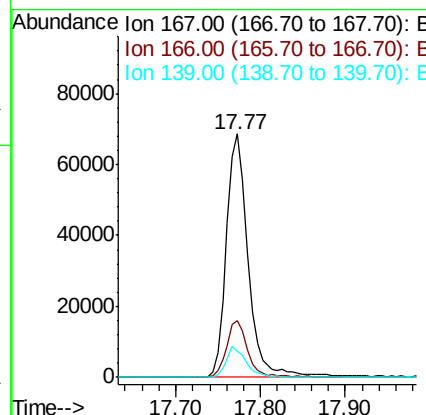
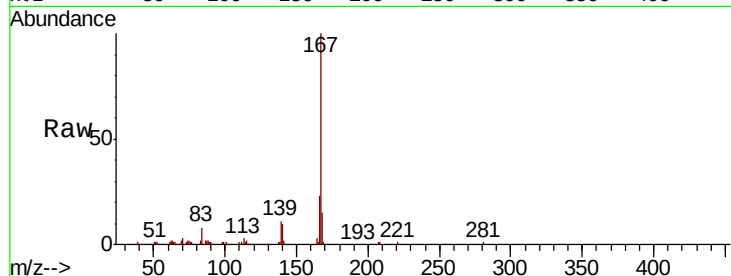
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 122801 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 23.3  | 19.2  | 28.8   |
| 139       | 10.9  | 10.6  | 16.0   |

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#74

Di-n-butylphthalate

Concen: 4.822 ng

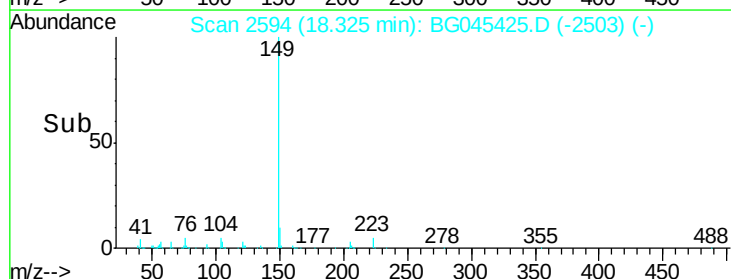
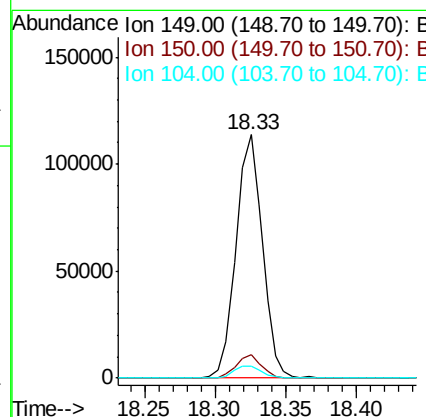
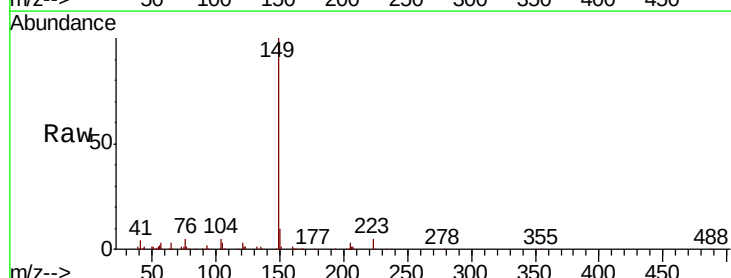
RT: 18.33 min Scan# 2594

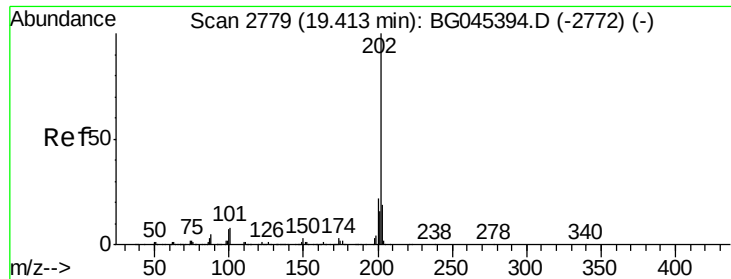
Delta R.T. 0.00 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 148138 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.5   | 7.6   | 11.4   |
| 104       | 5.1   | 5.0   | 7.4    |





#75

Fluoranthene

Concen: 5.086 ng

RT: 19.41 min Scan# 2779

Delta R.T. 0.00 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

Instrument :

BNA\_G

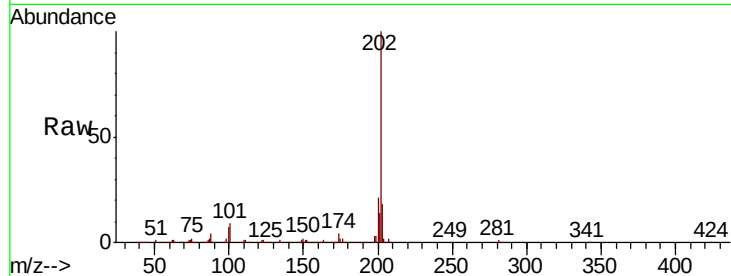
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

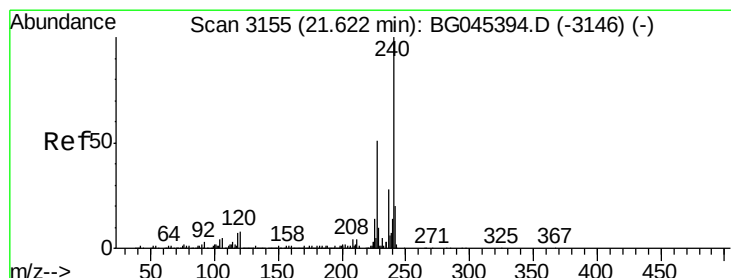
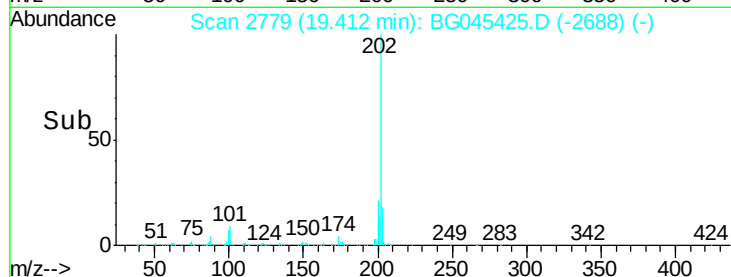
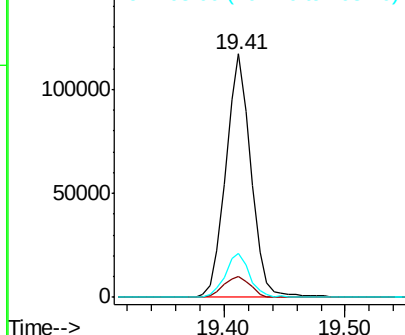
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 202     | 100  |       | 169153 |       |       |
| 101     | 8.5  | 0.0   | 28.3   |       |       |
| 203     | 18.0 | 0.0   | 39.0   |       |       |

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



#76

Chrysene-d12

Concen: 20.000 ng

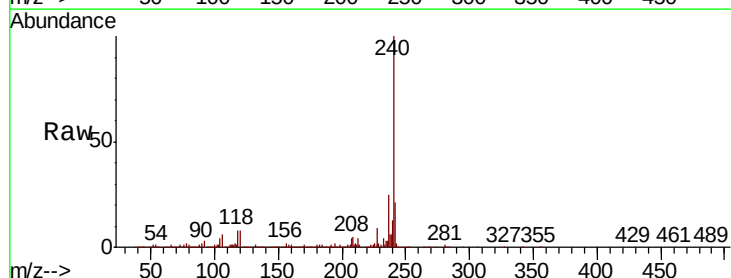
RT: 21.61 min Scan# 3154

Delta R.T. -0.00 min

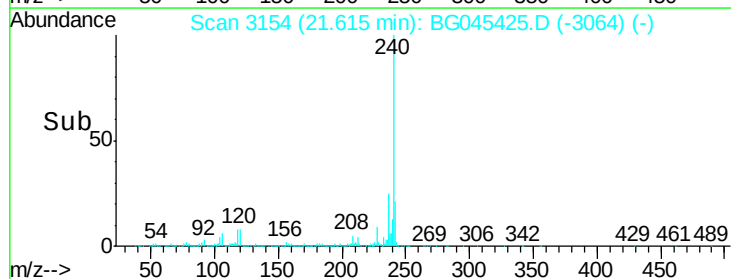
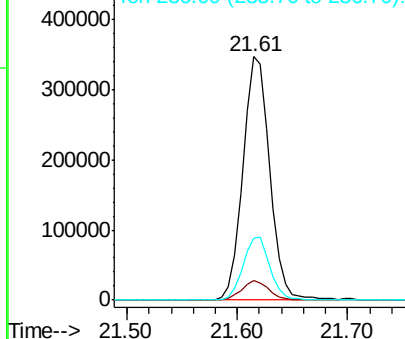
Lab File: BG045425.D

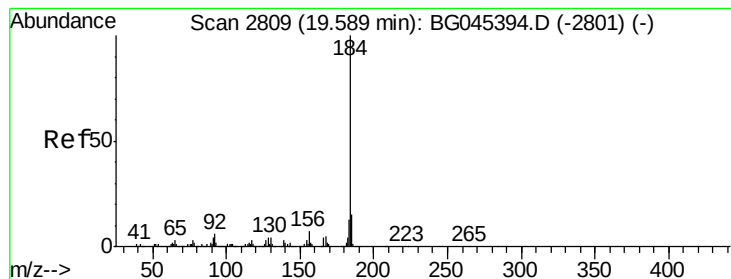
Acq: 19 May 2020 15:26

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 240     | 100  |       | 592801 |       |       |
| 120     | 8.2  | 6.1   | 9.1    |       |       |
| 236     | 25.4 | 22.3  | 33.5   |       |       |



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





#77

Benzidine

Concen: 2.553 ng

RT: 19.60 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

Instrument :

BNA\_G

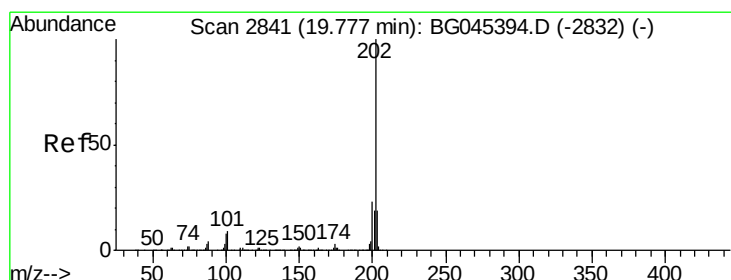
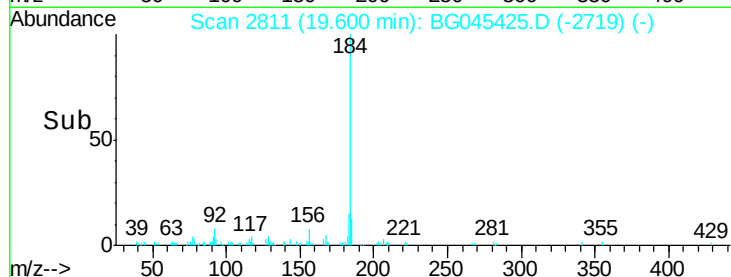
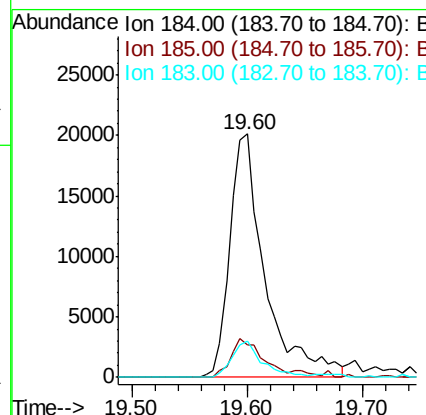
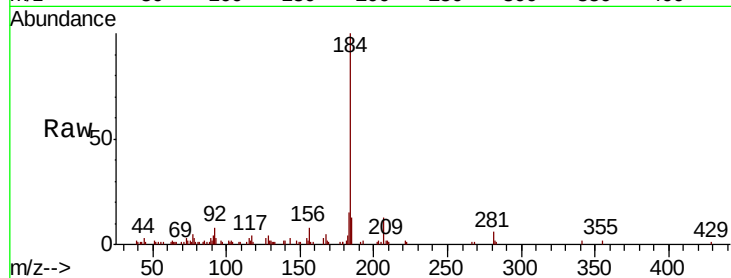
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 13.3  | 11.7  | 17.5  |
| 183     | 15.0  | 10.2  | 15.4  |

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#78

Pyrene

Concen: 5.063 ng

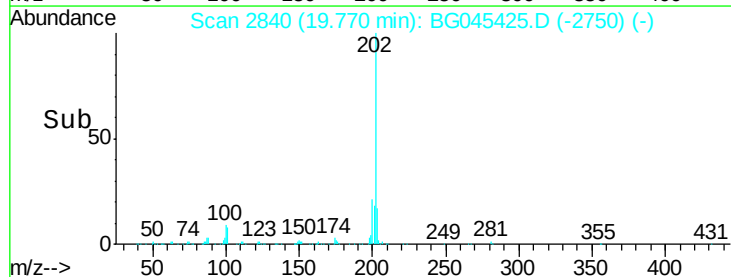
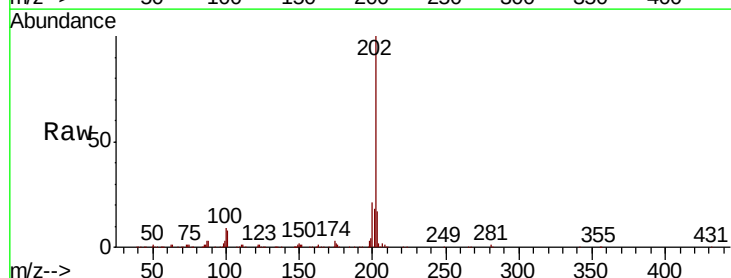
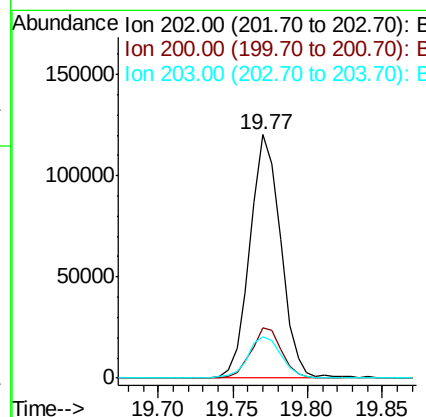
RT: 19.77 min Scan# 2840

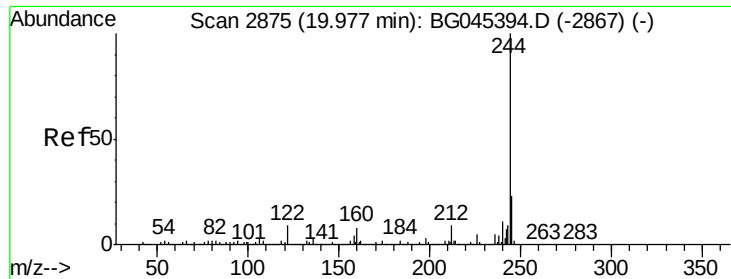
Delta R.T. -0.00 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.9  | 18.2  | 27.2  |
| 203     | 16.9  | 15.1  | 22.7  |





#79

Terphenyl-d14

Concen: 91.709 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.00 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

Instrument :

BNA\_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:244 Resp: 2330966

Ion Ratio Lower Upper

244 100

212 10.4 7.4 11.0

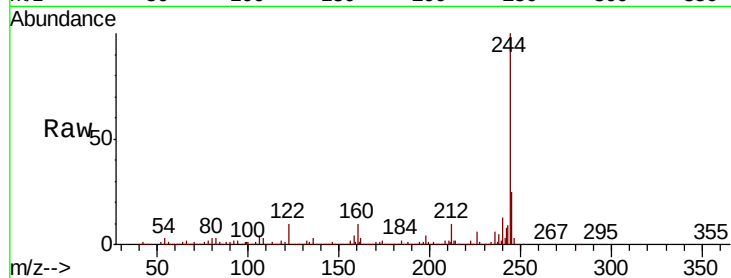
122 9.8 6.8 10.2

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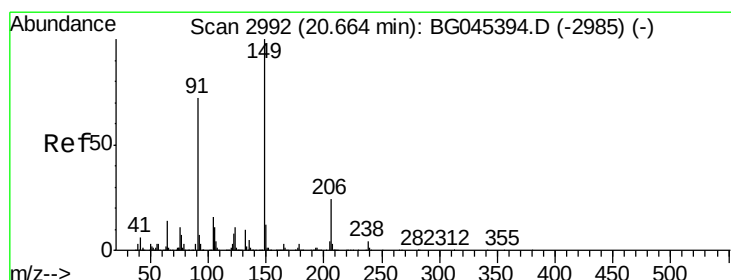
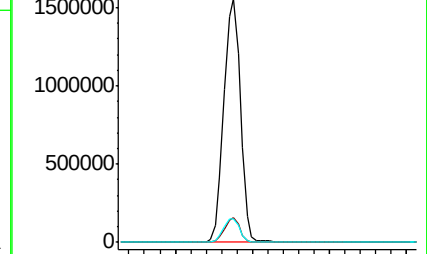
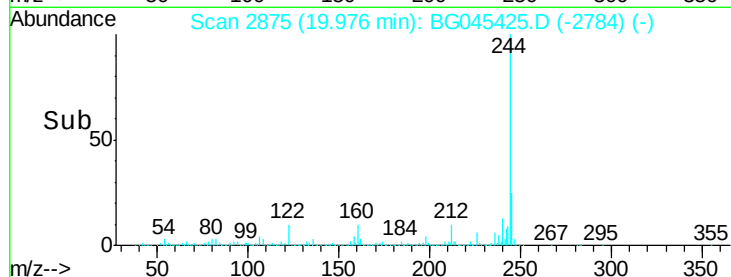
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 4.794 ng

RT: 20.66 min Scan# 2992

Delta R.T. 0.00 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

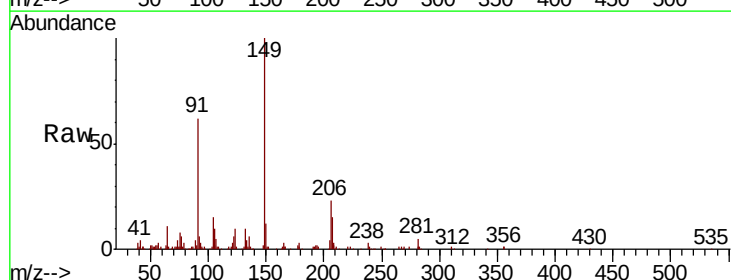
Tgt Ion:149 Resp: 69921

Ion Ratio Lower Upper

149 100

91 62.2 57.8 86.6

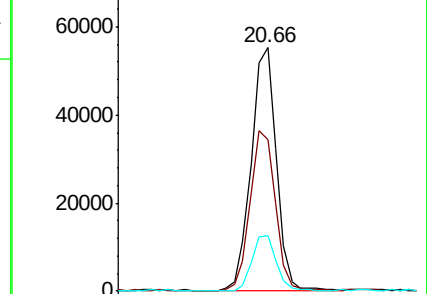
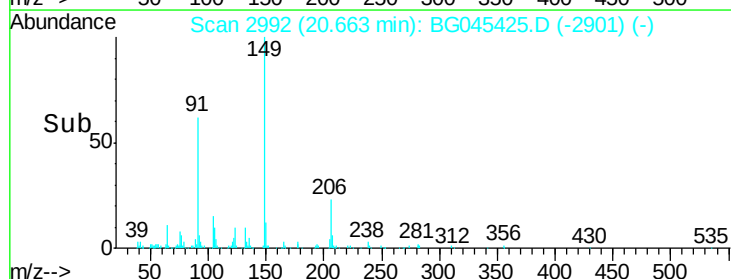
206 22.6 19.1 28.7

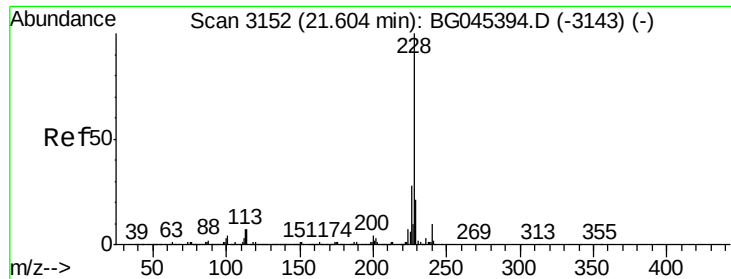


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 5.001 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG045425.D

Acq: 19 May 2020 15:26

Instrument :

BNA\_G

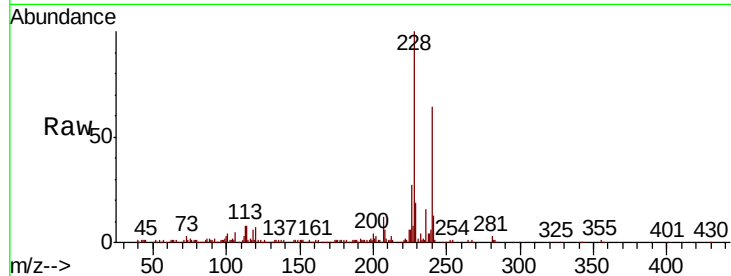
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

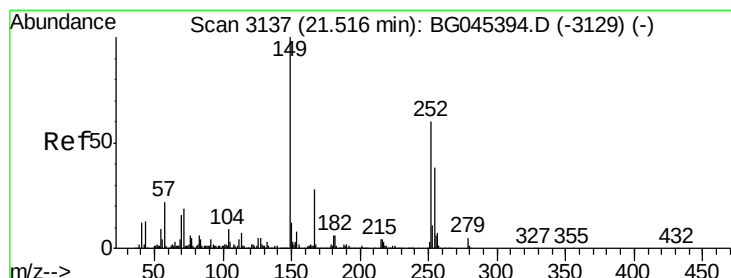
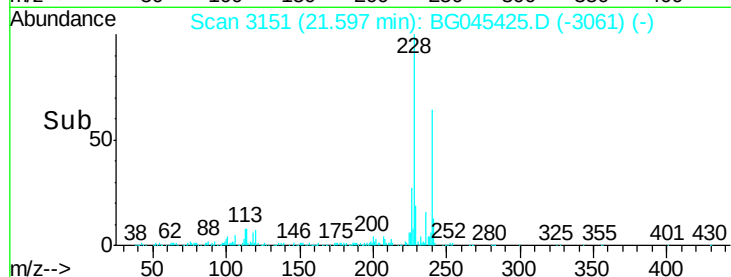
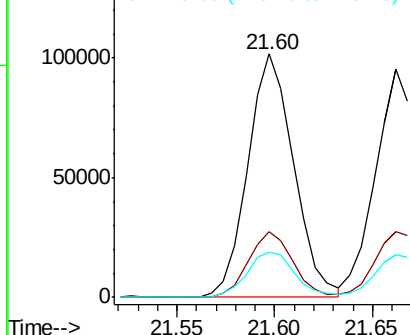
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 165133 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 26.8  | 22.7  | 34.1   |
| 229       | 18.8  | 16.7  | 25.1   |

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



#82

3,3'-Dichlorobenzidine

Concen: 4.787 ng

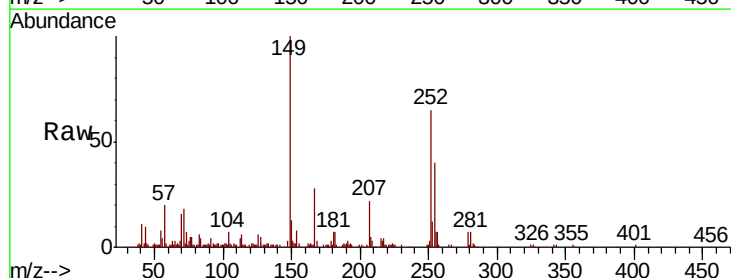
RT: 21.52 min Scan# 3138

Delta R.T. 0.00 min

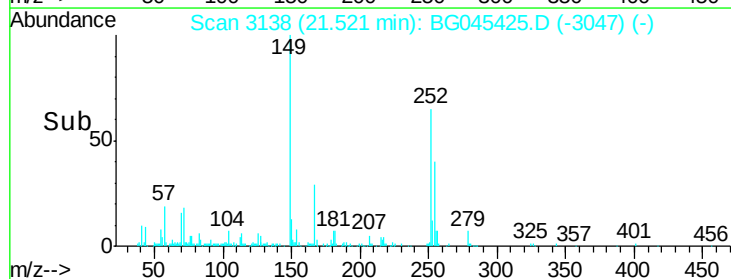
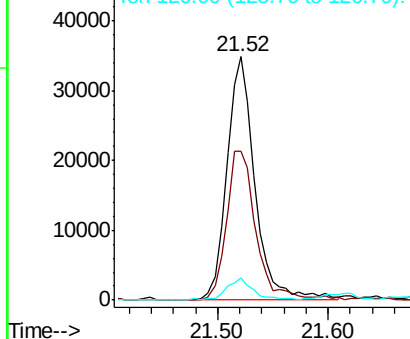
Lab File: BG045425.D

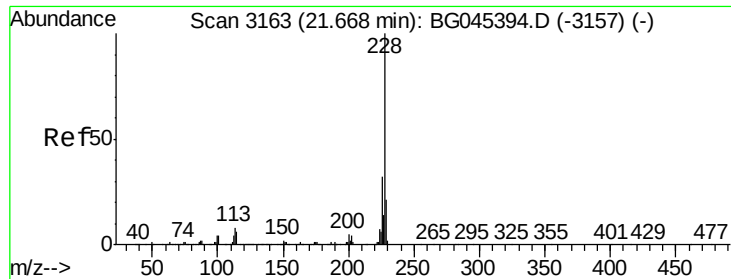
Acq: 19 May 2020 15:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 62006 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 254       | 61.2  | 51.3  | 76.9  |
| 126       | 9.3   | 6.6   | 10.0  |



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





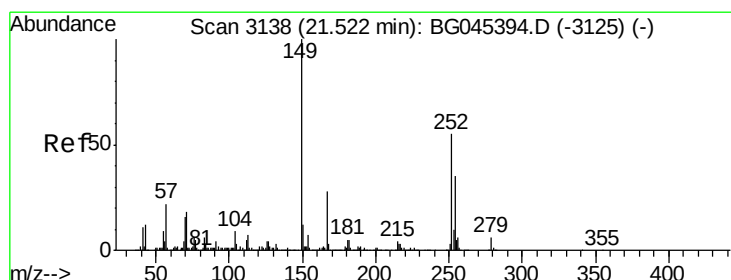
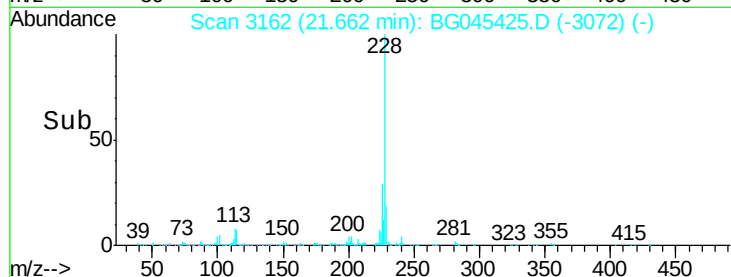
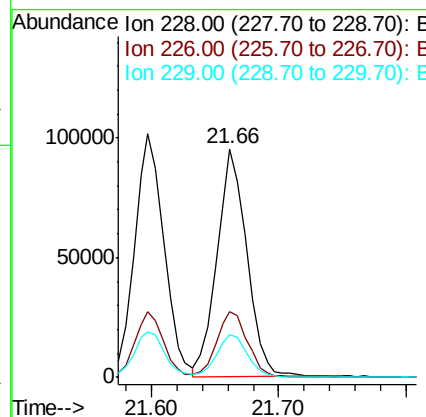
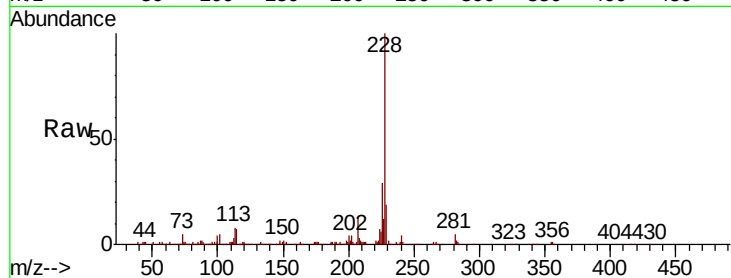
#83  
 Chrysene  
 Concen: 4.914 ng  
 RT: 21.66 min Scan# 3162  
 Delta R.T. -0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT2-2020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 156019 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 29.0  | 25.2  | 37.8   |
| 229       | 18.6  | 16.7  | 25.1   |

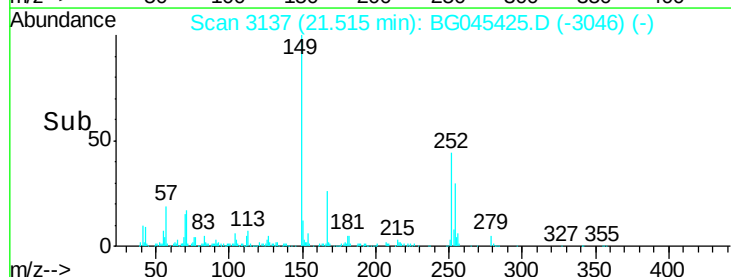
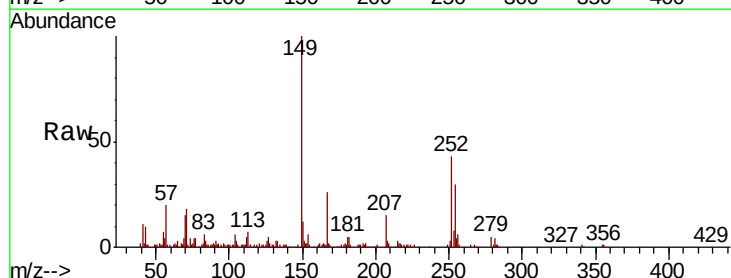
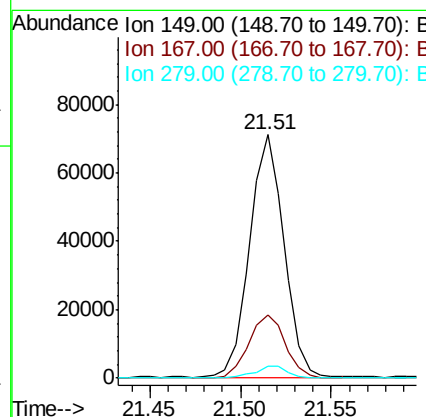
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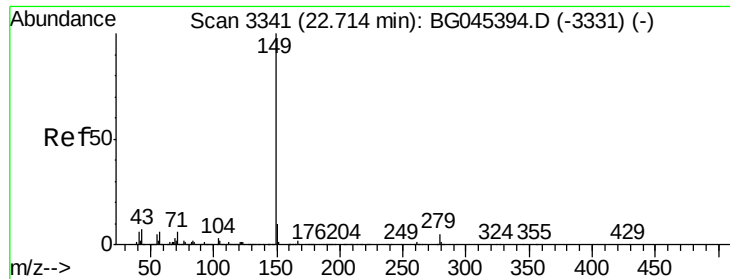
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 4.688 ng  
 RT: 21.51 min Scan# 3137  
 Delta R.T. 0.00 min  
 Lab File: BG045425.D  
 Acq: 19 May 2020 15:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 94000 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 25.7  | 22.2  | 33.2  |
| 279       | 4.7   | 4.7   | 7.1#  |





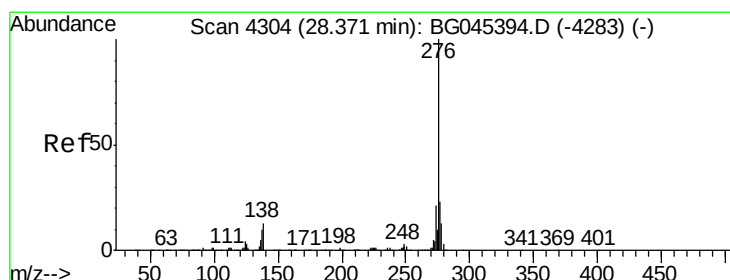
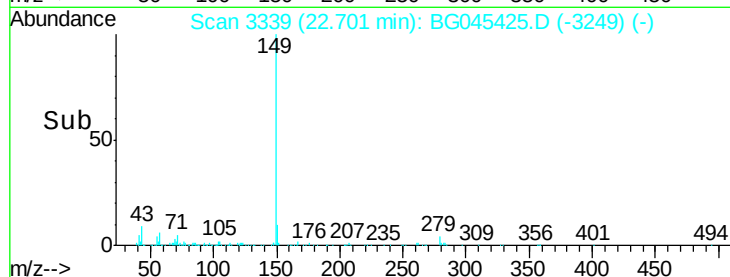
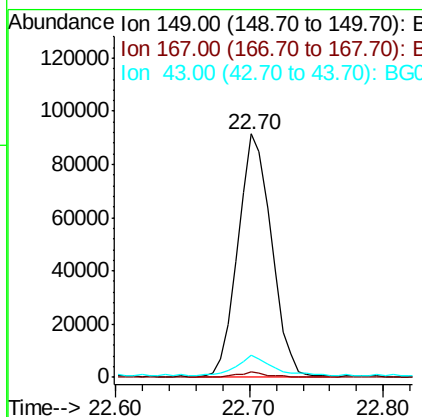
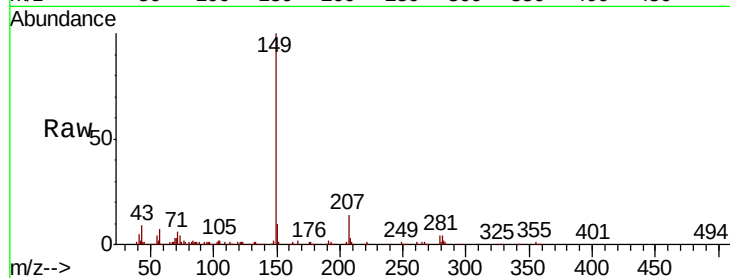
#85  
Di-n-octyl phthalate  
Concen: 4.585 ng  
RT: 22.70 min Scan# 3339  
Delta R.T. -0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 167     | 1.9   | 1.4        | 2.0   |
| 43      | 9.5   | 5.8        | 8.8#  |

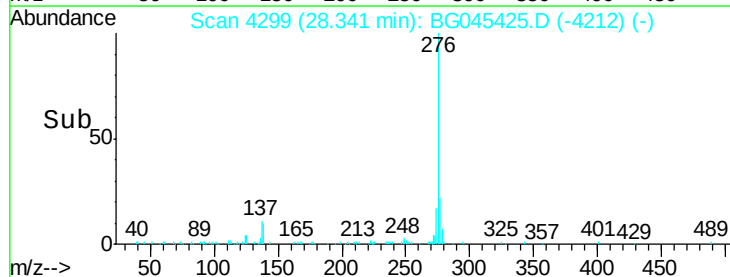
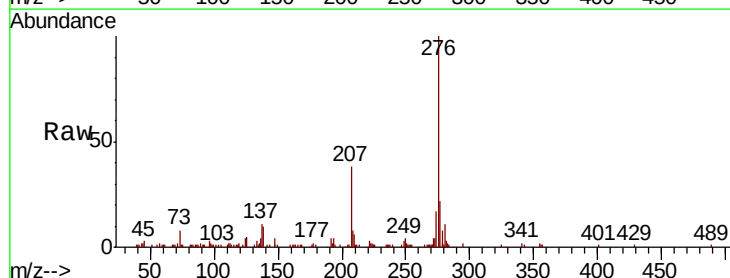
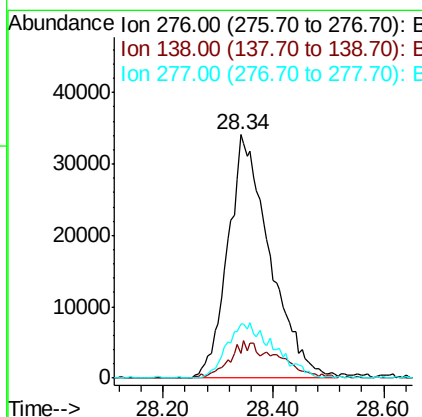
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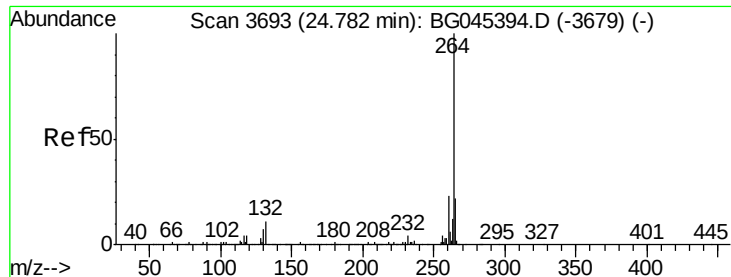
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#86  
Indeno(1,2,3-cd)pyrene  
Concen: 4.340 ng  
RT: 28.34 min Scan# 4299  
Delta R.T. -0.02 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 138     | 5.8   | 8.6        | 12.8# |
| 277     | 23.8  | 20.2       | 30.4  |





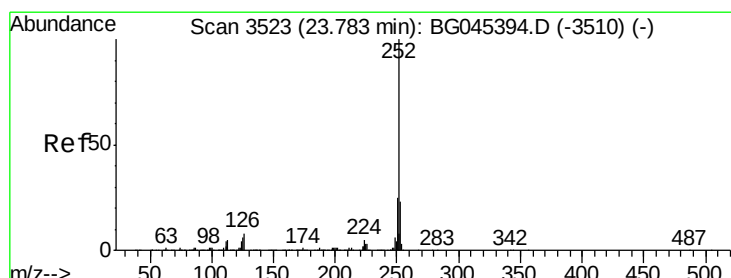
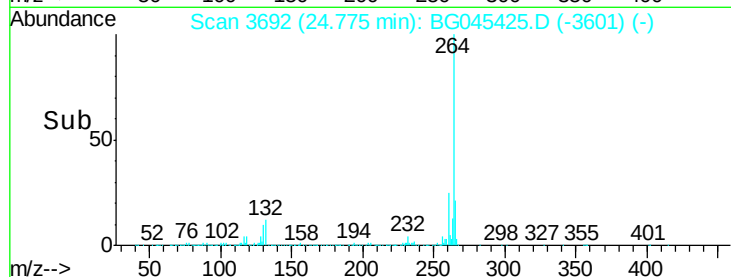
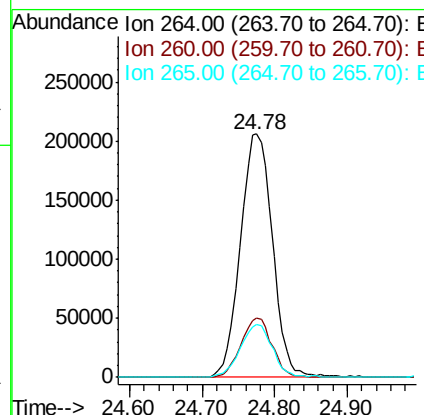
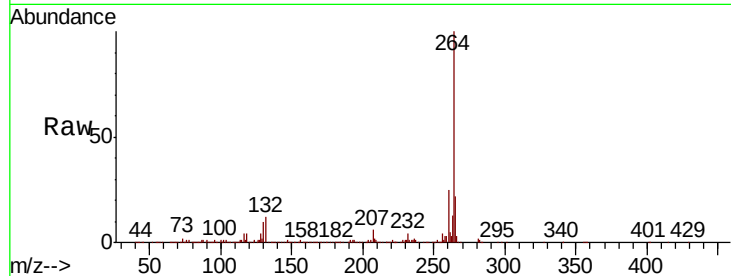
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.78 min Scan# 3692  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 18.2  | 27.4  |
| 265     | 21.7  | 17.6  | 26.4  |

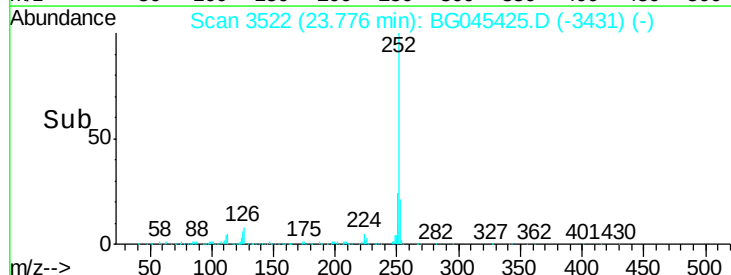
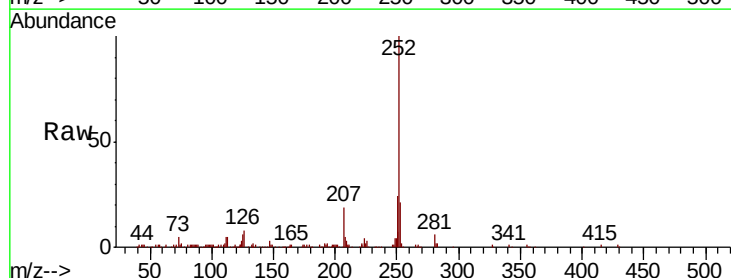
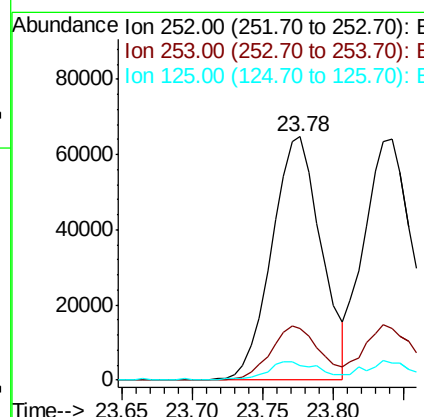
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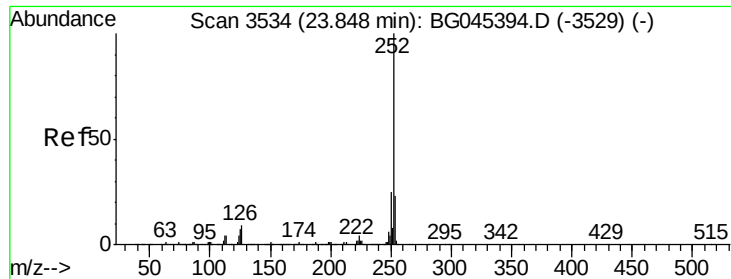


#88  
Benzo(b)fluoranthene  
Concen: 4.656 ng  
RT: 23.78 min Scan# 3522  
Delta R.T. 0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.3  | 18.1  | 27.1  |
| 125     | 6.1   | 5.0   | 7.6   |







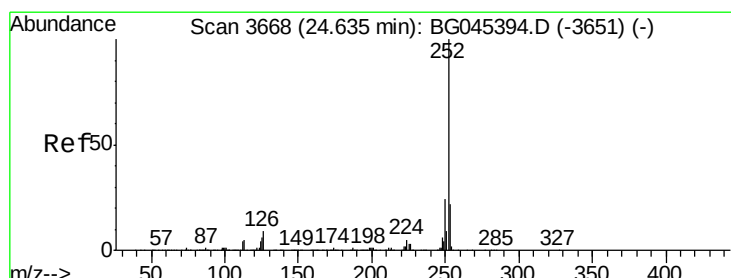
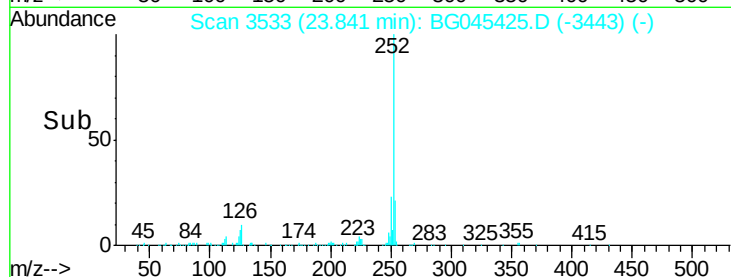
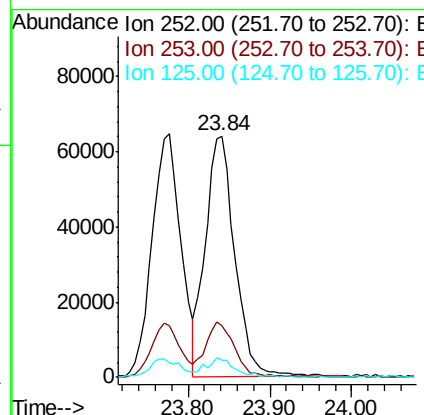
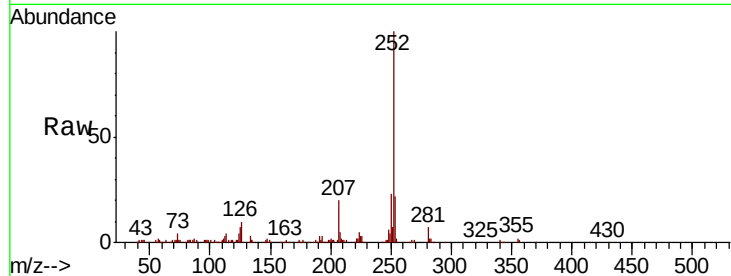
#89  
Benzo(k)fluoranthene  
Concen: 5.013 ng  
RT: 23.84 min Scan# 3533  
Delta R.T. -0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 18.4  | 27.6  |
| 125     | 7.0   | 5.7   | 8.5   |

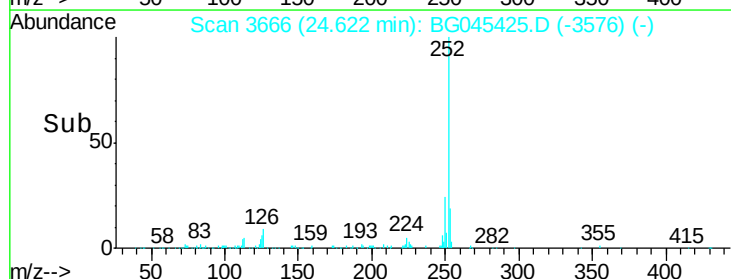
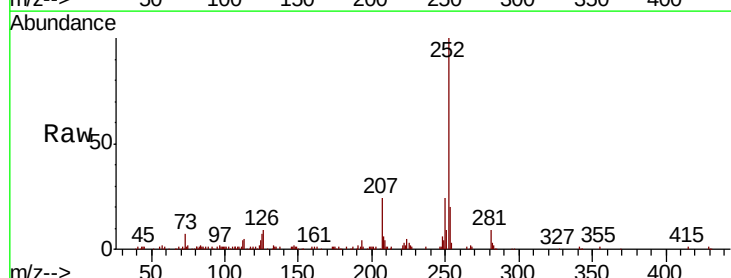
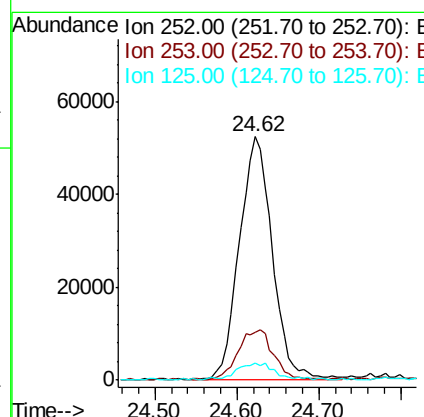
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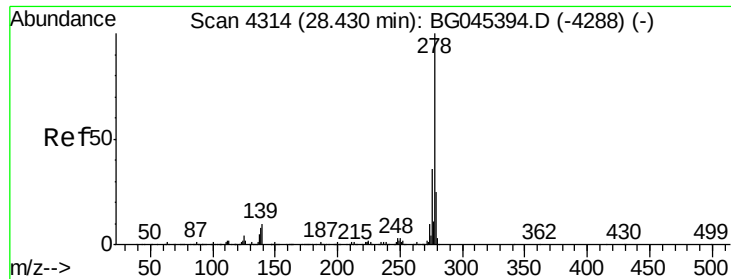
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#90  
Benzo(a)pyrene  
Concen: 4.674 ng  
RT: 24.62 min Scan# 3666  
Delta R.T. -0.00 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 19.9  | 17.2  | 25.8  |
| 125     | 7.2   | 5.0   | 7.6   |





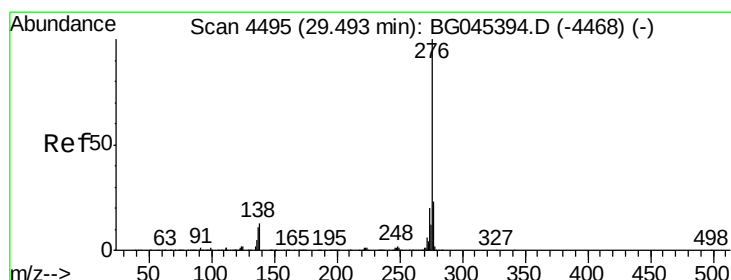
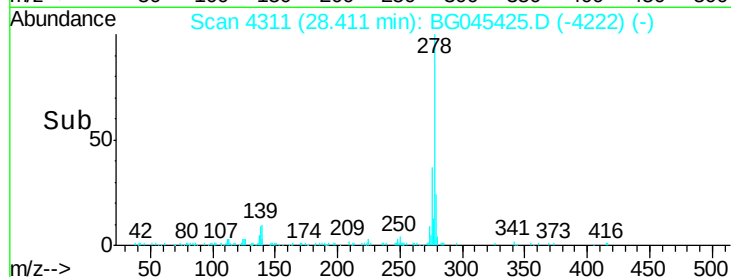
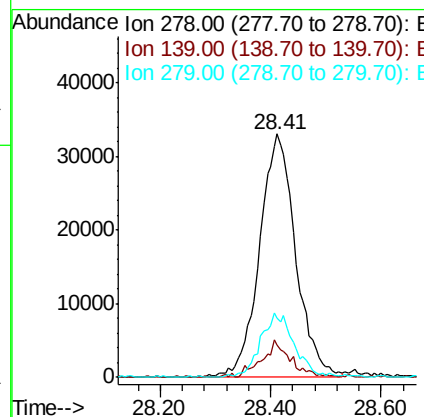
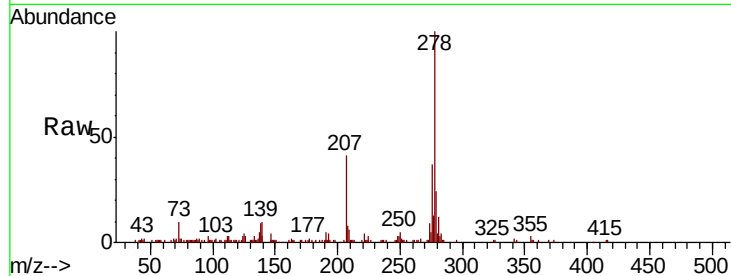
#91  
Dibenzo(a,h)anthracene  
Concen: 4.727 ng  
RT: 28.41 min Scan# 4311  
Delta R.T. -0.01 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-MDL-SOIL-01-QT2-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 13.1  | 7.8   | 11.8# |
| 279     | 24.2  | 19.8  | 29.8  |

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#92  
Benzo(g,h,i)perylene  
Concen: 4.716 ng  
RT: 29.46 min Scan# 4490  
Delta R.T. -0.02 min  
Lab File: BG045425.D  
Acq: 19 May 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.1  | 18.1  | 27.1  |
| 138     | 12.0  | 10.2  | 15.4  |

