

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061920\  
 Data File : BM026465.D  
 Acq On : 19 Jun 2020 11:48  
 Operator : JU/CG  
 Sample : L1161-01  
 Misc : LOD-MDL-S-5PPM  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2020

Manual Integrations  
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mohammad  
 6/22/2020 3:23:15 PM

Quant Time: Jun 20 06:22:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 19 10:44:58 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 104509   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.15 | 136  | 432050   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.04 | 164  | 300475   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.80 | 188  | 672018   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.01 | 240  | 637097   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.10 | 264  | 589974   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.02  | 112 | 973235  | 164.65 | ng | 0.00 |
| 7) Phenol-d6             | 6.60  | 99  | 1409200 | 164.64 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.54  | 82  | 1056939 | 120.11 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.55 | 330 | 725613  | 199.35 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.66 | 172 | 2338665 | 118.15 | ng | 0.00 |
| 79) Terphenyl-d14        | 19.46 | 244 | 4018738 | 122.45 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.00  | 88  | 14499  | 5.441 | ng | 95     |
| 3) Pyridine                    | 3.42  | 79  | 31439  | 4.016 | ng | # 91   |
| 4) n-Nitrosodimethylamine      | 3.32  | 42  | 18721  | 4.830 | ng | # 89   |
| 6) Aniline                     | 6.74  | 93  | 53863  | 4.798 | ng | 98     |
| 8) 2-Chlorophenol              | 6.96  | 128 | 33493  | 4.912 | ng | 95     |
| 9) Benzaldehyde                | 6.55  | 77  | 31617m | 5.793 | ng |        |
| 10) Phenol                     | 6.62  | 94  | 44633  | 4.896 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 6.84  | 93  | 35513  | 4.837 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.27  | 146 | 36109  | 4.784 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.42  | 146 | 36139  | 4.700 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 7.73  | 146 | 35889  | 4.778 | ng | 99     |
| 15) Benzyl Alcohol             | 7.65  | 79  | 31015  | 4.267 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.92  | 45  | 68918  | 5.026 | ng | 99     |
| 17) 2-Methylphenol             | 7.85  | 107 | 27165  | 4.077 | ng | 95     |
| 18) Hexachloroethane           | 8.45  | 117 | 13772  | 4.730 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 8.20  | 70  | 32862  | 4.927 | ng | 95     |
| 20) 3+4-Methylphenols          | 8.18  | 107 | 36184  | 3.985 | ng | 96     |
| 22) Acetophenone               | 8.21  | 105 | 57515  | 5.177 | ng | # 93   |
| 24) Nitrobenzene               | 8.57  | 77  | 51911  | 5.635 | ng | 100    |
| 25) Isophorone                 | 9.10  | 82  | 84806  | 5.130 | ng | 98     |
| 26) 2-Nitrophenol              | 9.29  | 139 | 16018  | 4.394 | ng | 93     |
| 27) 2,4-Dimethylphenol         | 9.36  | 122 | 16619  | 2.888 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 9.59  | 93  | 48394  | 5.160 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 9.82  | 162 | 27888  | 4.417 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.02 | 180 | 35577  | 5.138 | ng | 98     |
| 31) Naphthalene                | 10.20 | 128 | 112477 | 5.166 | ng | 99     |
| 32) Benzoic acid               | 9.46  | 122 | 6126m  | 1.433 | ng |        |
| 33) 4-Chloroaniline            | 10.33 | 127 | 39686  | 4.179 | ng | 95     |
| 34) Hexachlorobutadiene        | 10.49 | 225 | 23062  | 5.276 | ng | 91     |
| 35) Caprolactam                | 11.10 | 113 | 10668  | 4.809 | ng | 94     |
| 36) 4-Chloro-3-methylphenol    | 11.47 | 107 | 37227  | 4.838 | ng | 99     |
| 37) 2-Methylnaphthalene        | 11.82 | 142 | 83910  | 5.408 | ng | 98     |
| 38) 1-Methylnaphthalene        | 12.04 | 142 | 80007  | 5.444 | ng | 96     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.20 | 216 | 44559  | 5.210 | ng | 97     |

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 Sample : L1161-01  
 Misc : LOD-MDL-S-5PPM  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2020

Manual Integrations  
 APPROVED

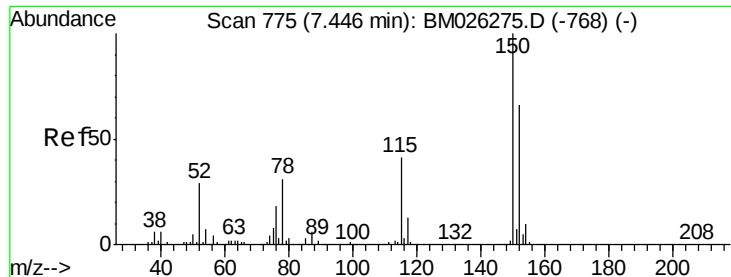
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Quant Time: Jun 20 06:22:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 19 10:44:58 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.19 | 237  | 9703     | 1.925 | ng    | 86       |
| 43) 2,4,6-Trichlorophenol      | 12.46 | 196  | 24662    | 4.260 | ng    | 93       |
| 44) 2,4,5-Trichlorophenol      | 12.54 | 196  | 28373    | 4.222 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 12.87 | 154  | 117564   | 5.581 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 12.90 | 162  | 84473    | 4.937 | ng    | 98       |
| 48) 2-Nitroaniline             | 13.13 | 65   | 27388    | 4.039 | ng    | 91       |
| 49) Acenaphthylene             | 13.76 | 152  | 136572   | 4.990 | ng    | 98       |
| 50) Dimethylphthalate          | 13.52 | 163  | 111954   | 5.094 | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 13.63 | 165  | 22771    | 4.722 | ng    | 94       |
| 52) Acenaphthene               | 14.11 | 154  | 83062    | 5.056 | ng    | 97       |
| 53) 3-Nitroaniline             | 13.97 | 138  | 18983    | 3.535 | ng    | 91       |
| 54) 2,4-Dinitrophenol          | 14.20 | 184  | 5553     | 1.895 | ng    | # 89     |
| 55) Dibenzofuran               | 14.45 | 168  | 136110   | 5.142 | ng    | 99       |
| 56) 4-Nitrophenol              | 14.32 | 139  | 10955    | 2.572 | ng    | # 87     |
| 57) 2,4-Dinitrotoluene         | 14.44 | 165  | 28834    | 4.300 | ng    | # 76     |
| 58) Fluorene                   | 15.10 | 166  | 107170   | 4.984 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.69 | 232  | 26253    | 4.567 | ng    | 97       |
| 60) Diethylphthalate           | 14.90 | 149  | 112623   | 5.031 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.11 | 204  | 56904    | 4.989 | ng    | 98       |
| 62) 4-Nitroaniline             | 15.14 | 138  | 18493m   | 3.229 | ng    |          |
| 63) Azobenzene                 | 15.40 | 77   | 123789   | 5.054 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.22 | 198  | 12865    | 3.148 | ng    | 81       |
| 66) n-Nitrosodiphenylamine     | 15.33 | 169  | 94009    | 4.829 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.00 | 248  | 34582    | 4.675 | ng    | 97       |
| 68) Hexachlorobenzene          | 16.12 | 284  | 39207    | 5.079 | ng    | 96       |
| 69) Atrazine                   | 16.29 | 200  | 36584    | 6.290 | ng    | 98       |
| 70) Pentachlorophenol          | 16.47 | 266  | 14160    | 3.046 | ng    | 98       |
| 71) Phenanthrene               | 16.84 | 178  | 179528   | 5.130 | ng    | 98       |
| 72) Anthracene                 | 16.93 | 178  | 172417   | 4.937 | ng    | 100      |
| 73) Carbazole                  | 17.22 | 167  | 147388   | 4.450 | ng    | 97       |
| 74) Di-n-butylphthalate        | 17.80 | 149  | 180051   | 4.610 | ng    | 99       |
| 75) Fluoranthene               | 18.87 | 202  | 206927   | 5.157 | ng    | 98       |
| 77) Benzidine                  | 19.07 | 184  | 56405    | 4.262 | ng    | 99       |
| 78) Pyrene                     | 19.23 | 202  | 215393   | 5.117 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.17 | 149  | 78027    | 4.584 | ng    | 98       |
| 81) Benzo(a)anthracene         | 21.00 | 228  | 205738   | 5.380 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 20.94 | 252  | 70141    | 5.928 | ng    | 97       |
| 83) Chrysene                   | 21.05 | 228  | 201961   | 5.542 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 20.96 | 149  | 117345   | 4.835 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 21.81 | 149  | 182067   | 4.862 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene     | 25.14 | 276  | 156530   | 4.587 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 22.49 | 252  | 170370   | 4.800 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 22.53 | 252  | 184464   | 5.350 | ng    | 98       |
| 90) Benzo(a)pyrene             | 23.01 | 252  | 148955   | 4.726 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 25.15 | 278  | 134914   | 4.735 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 25.76 | 276  | 132797   | 4.898 | ng    | 99       |

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





#1

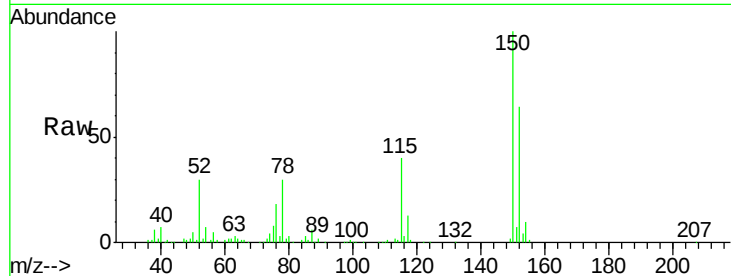
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.39 min Scan# 765  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.3 | 127.8 | 191.6 |
| 115     | 62.1  | 51.5  | 77.3  |

Manual Integrations  
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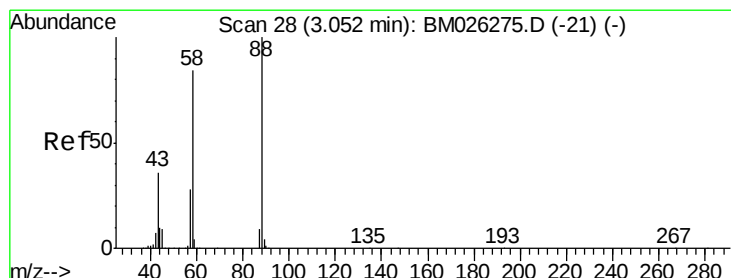
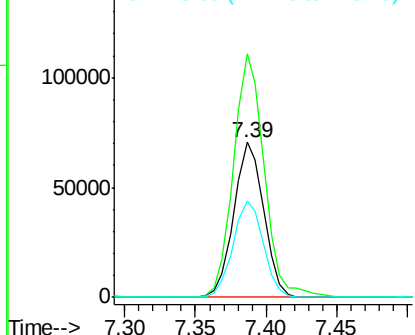
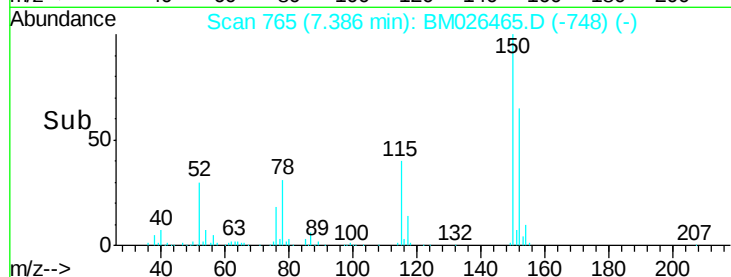


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

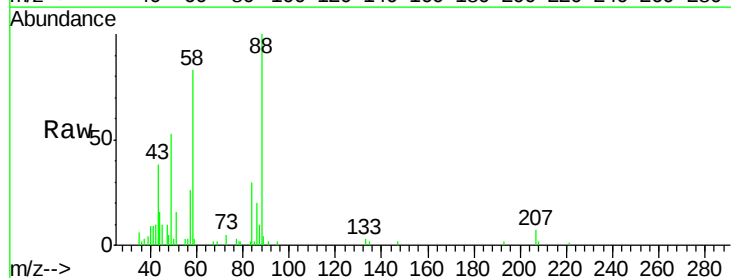
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 5.441 ng  
RT: 3.00 min Scan# 20  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 87.9  | 67.7  | 101.5 |
| 43      | 39.8  | 28.0  | 42.0  |

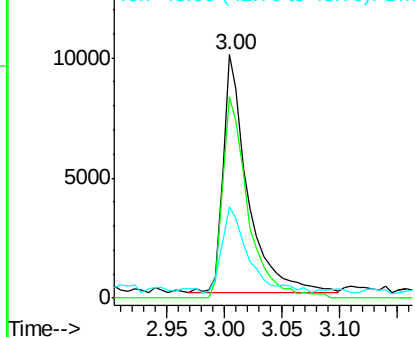
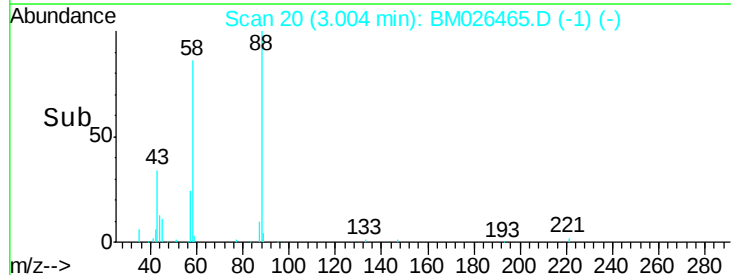


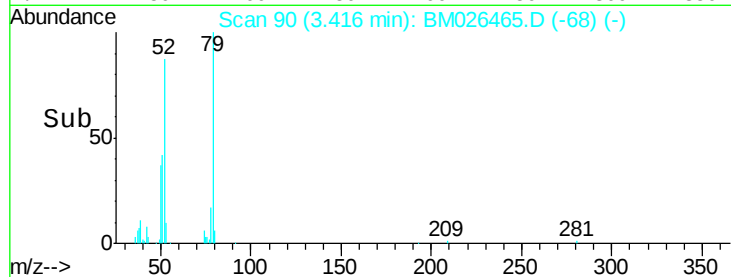
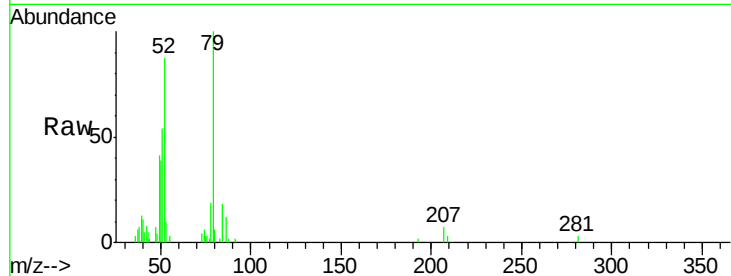
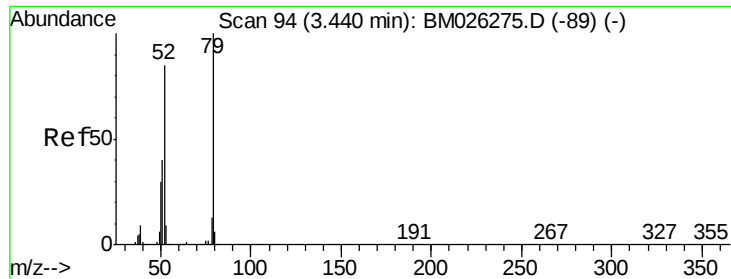
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





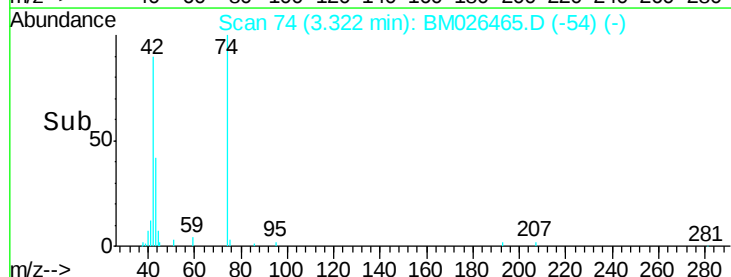
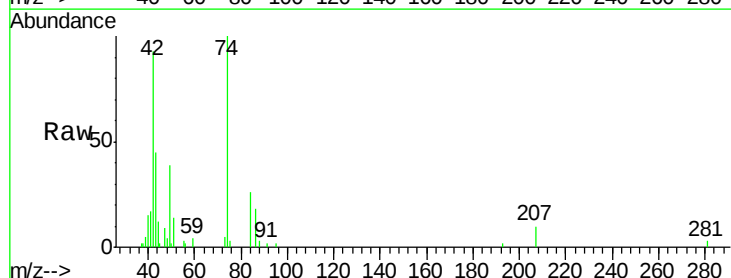
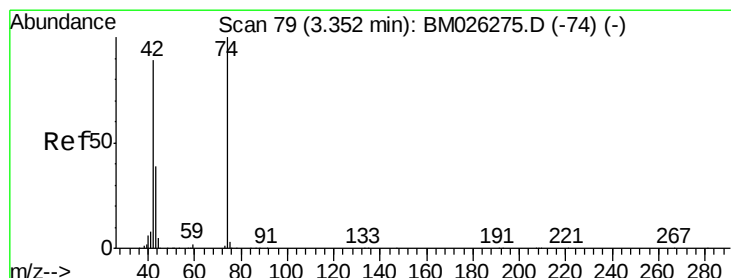
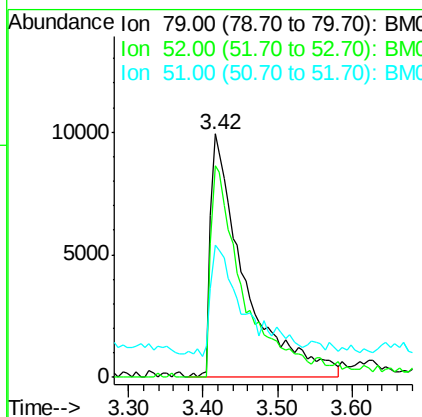
#3  
Pvridine  
Concen: 4.016 ng  
RT: 3.42 min Scan# 90  
Delta R.T. 0.03 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 87.1  | 67.4  | 101.2 |
| 51      | 54.4  | 33.0  | 49.6  |

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

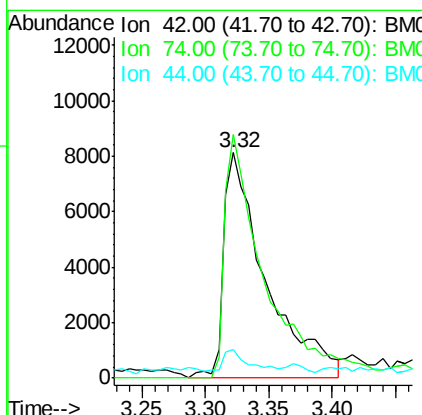
Manual Integrations  
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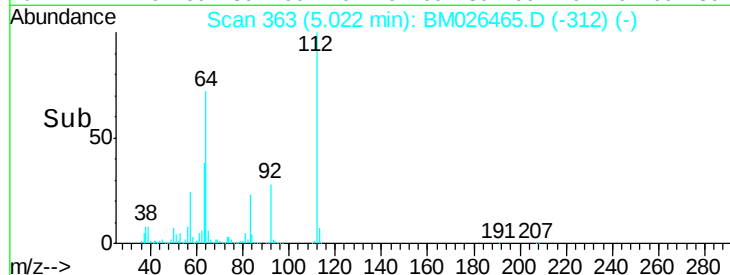
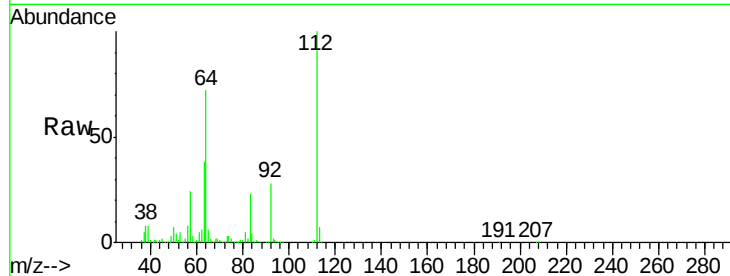
mohammad  
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#4  
n-Nitrosodimethylamine  
Concen: 4.830 ng  
RT: 3.32 min Scan# 74  
Delta R.T. 0.02 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 107.9 | 95.4  | 143.2 |
| 44      | 12.6  | 5.9   | 8.9   |





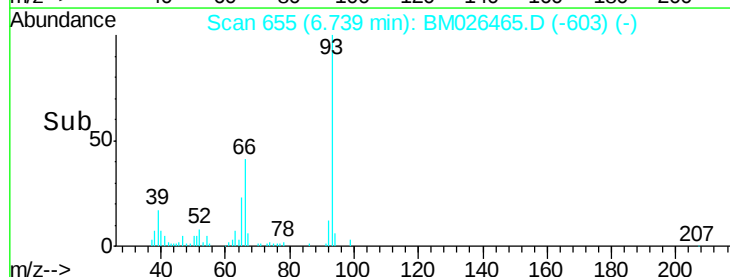
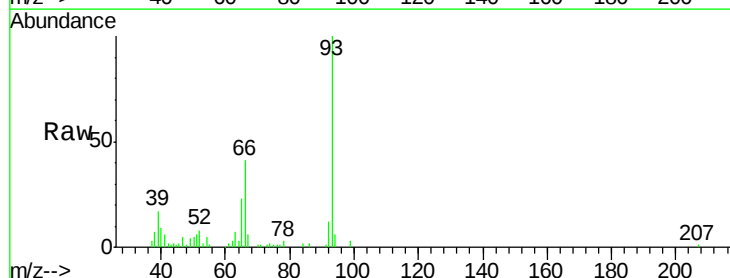
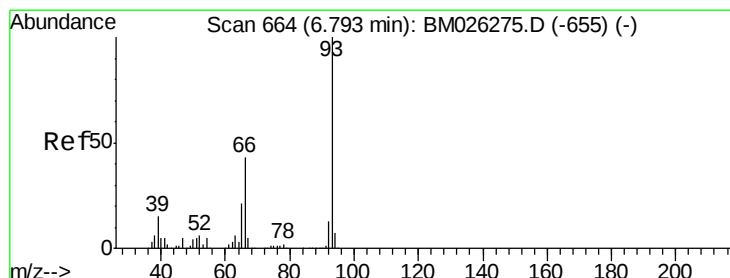
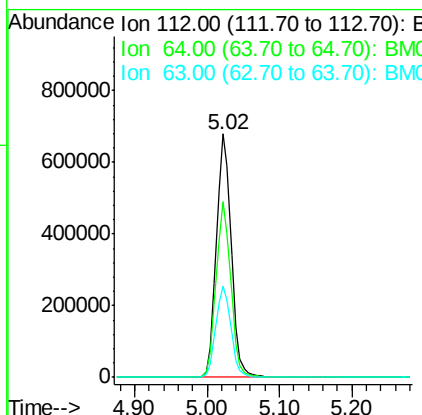
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2-Fluorophenol  
Concen: 164.648 ng  
RT: 5.02 min Scan# 363  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 112     | 100   |            |       |
| 64      | 72.0  | 56.0       | 84.0  |
| 63      | 37.5  | 29.0       | 43.6  |

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BNA\_M  
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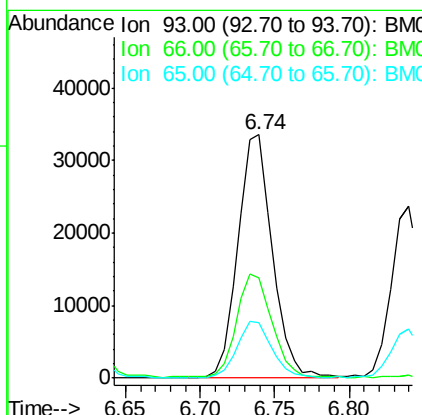
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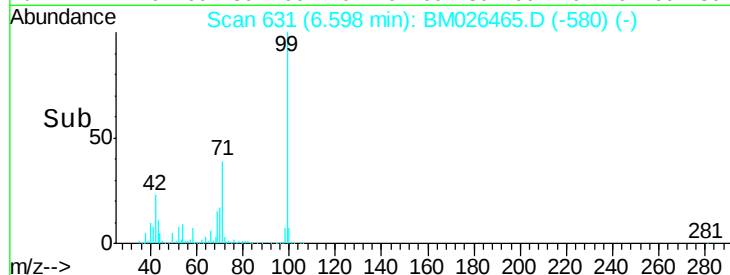
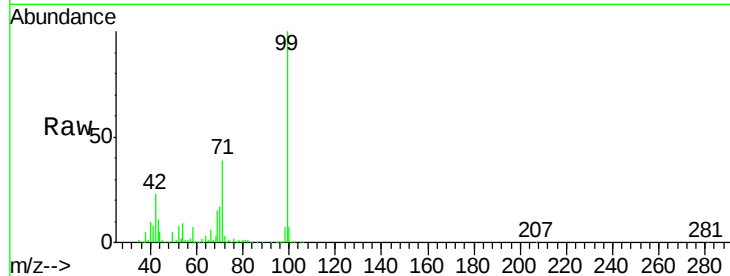
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#6  
Aniline  
Concen: 4.798 ng  
RT: 6.74 min Scan# 655  
Delta R.T. 0.01 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 93      | 100   |            |       |
| 66      | 41.1  | 34.1       | 51.1  |
| 65      | 22.8  | 17.5       | 26.3  |





#7

Phenol-d6

Concen: 164.636 ng

RT: 6.60 min Scan# 631

Delta R.T. -0.00 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 99    | Resp: | 1409200 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 23.1  | 17.8  | 26.6    |
| 71       | 39.4  | 31.0  | 46.4    |

Instrument :

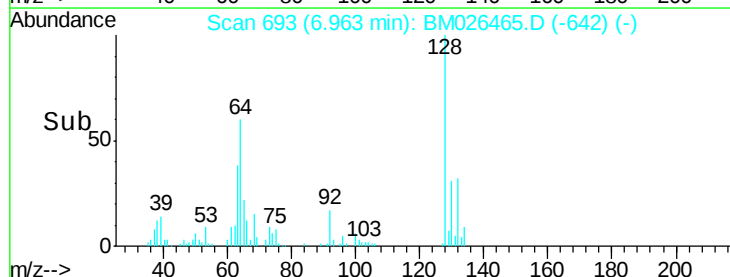
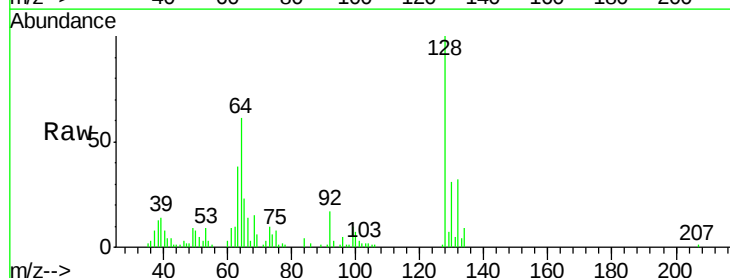
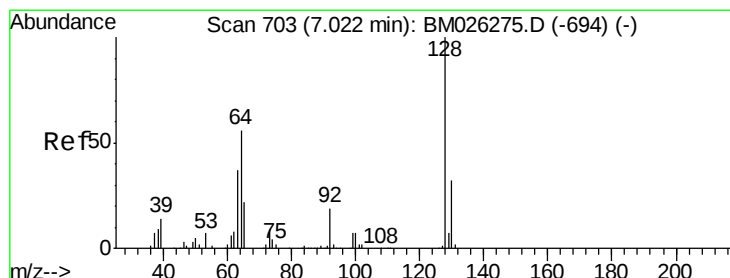
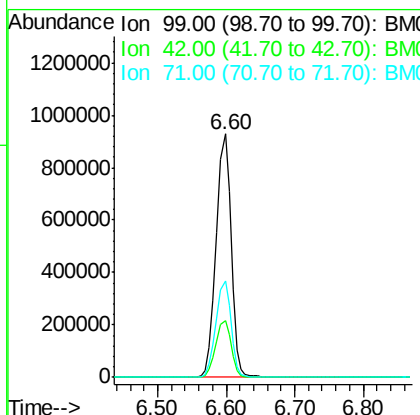
BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Manual Integrations  
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#8

2-Chlorophenol

Concen: 4.912 ng

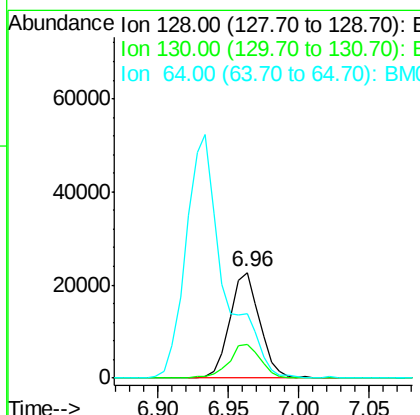
RT: 6.96 min Scan# 693

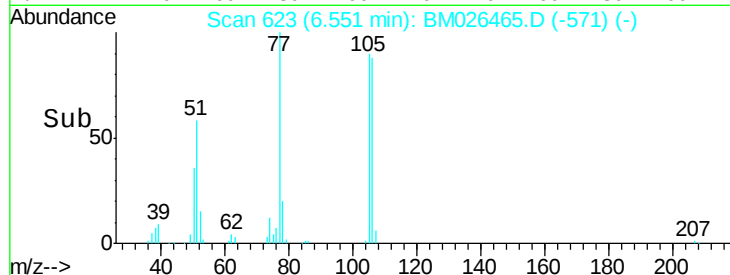
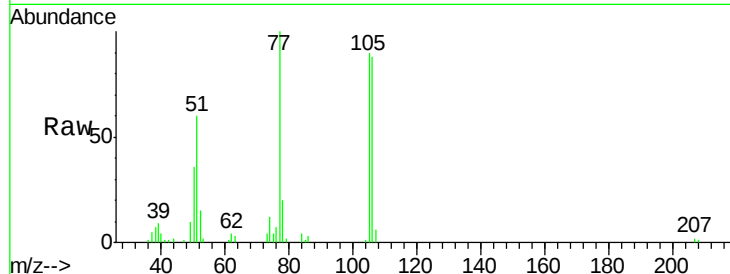
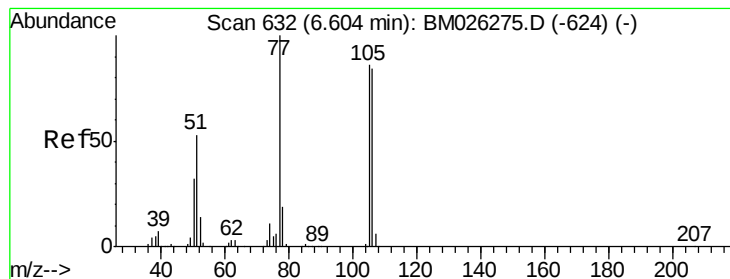
Delta R.T. -0.00 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 33493 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 130      | 31.3  | 12.3  | 52.3  |
| 64       | 61.0  | 36.4  | 76.4  |





#9

Benzaldehyde

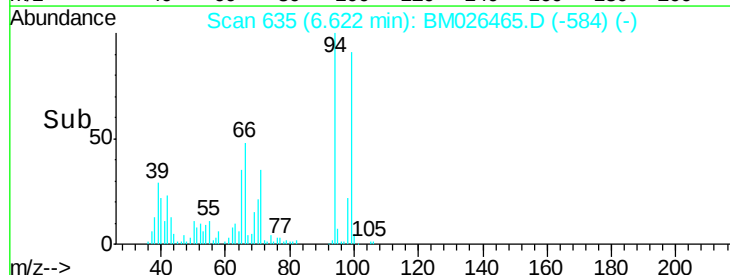
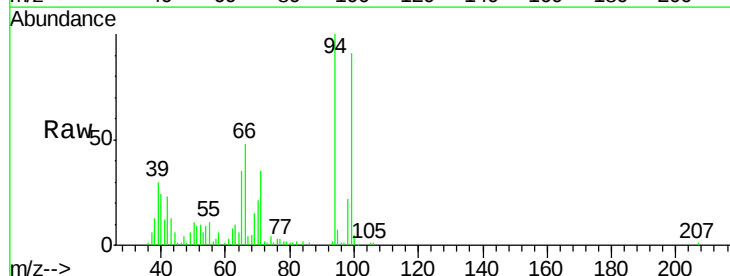
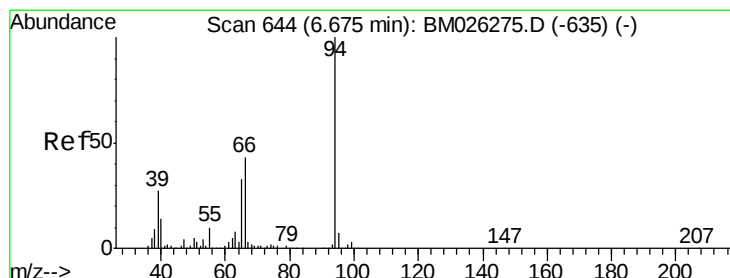
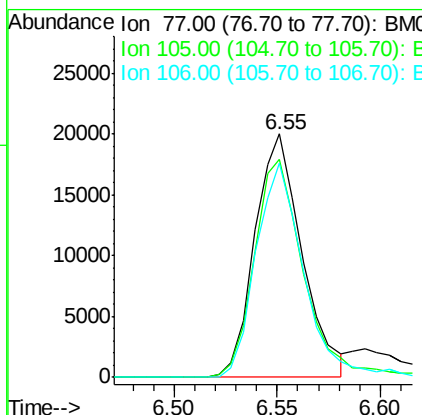
Concen: 5.793 ng/ml  
 RT: 6.55 min Scan# 623  
 Delta R.T. 0.01 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

Instrument :  
 BNA\_M  
 ClientSampleID :  
 LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 89.7  | 71.5  | 111.5 |
| 106     | 88.2  | 64.7  | 104.7 |

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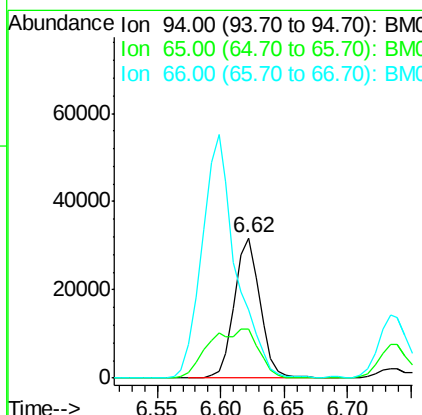


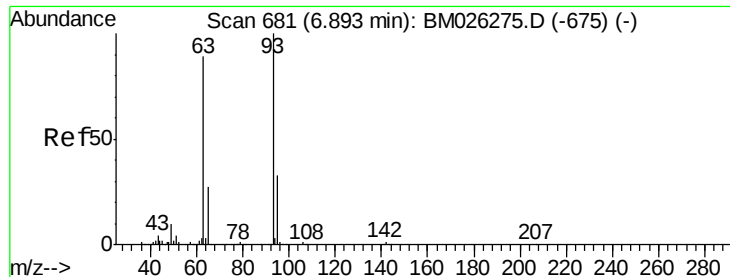
#10

Phenol

Concen: 4.896 ng/ml  
 RT: 6.62 min Scan# 635  
 Delta R.T. -0.00 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 35.1  | 11.4  | 51.4  |
| 66      | 48.5  | 21.7  | 61.7  |





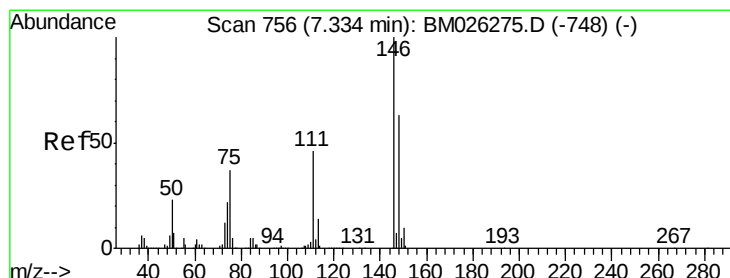
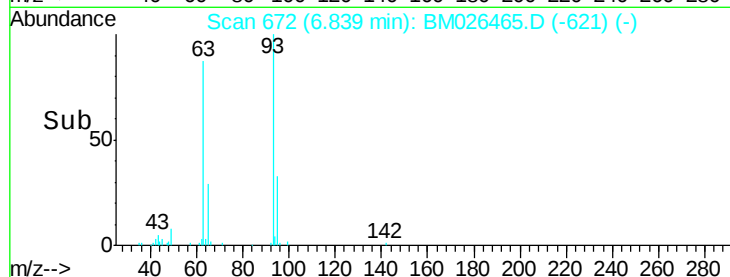
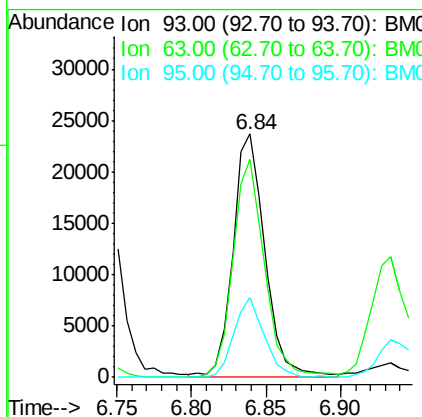
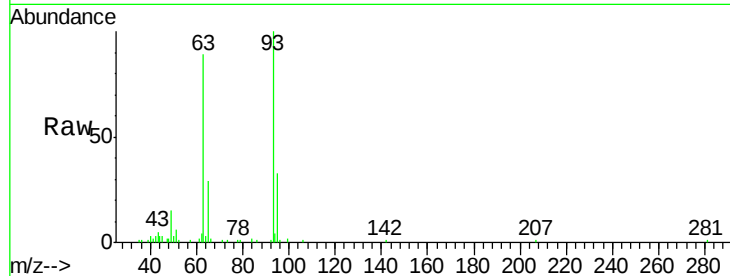
#11  
bis(2-Chloroethyl)ether  
Concen: 4.837 ng  
RT: 6.84 min Scan# 672  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 89.5  | 66.7  | 106.7 |
| 95      | 32.7  | 14.5  | 54.5  |

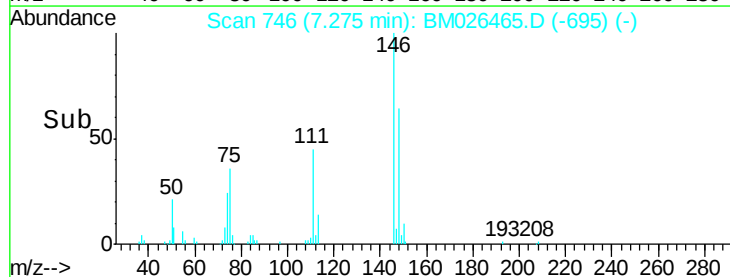
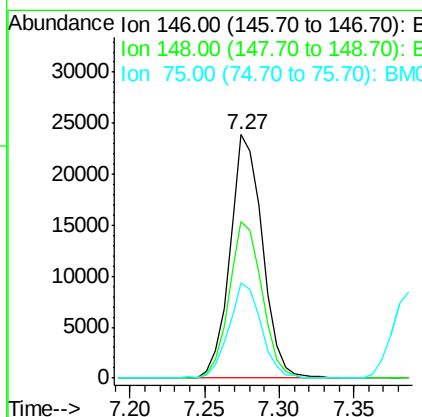
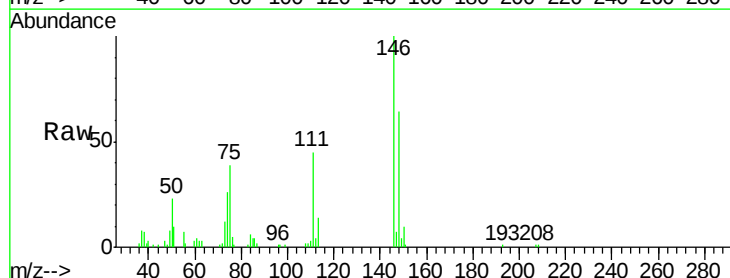
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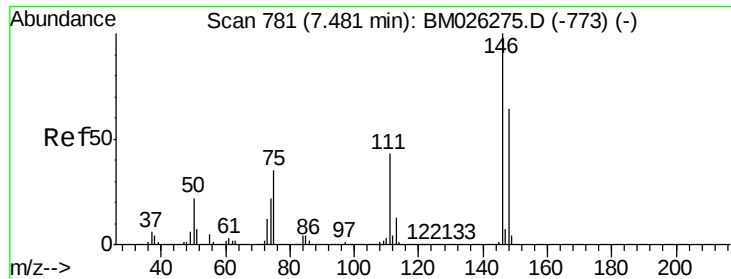
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 4.784 ng  
RT: 7.27 min Scan# 746  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.1  | 50.3  | 75.5  |
| 75      | 38.9  | 29.0  | 43.6  |





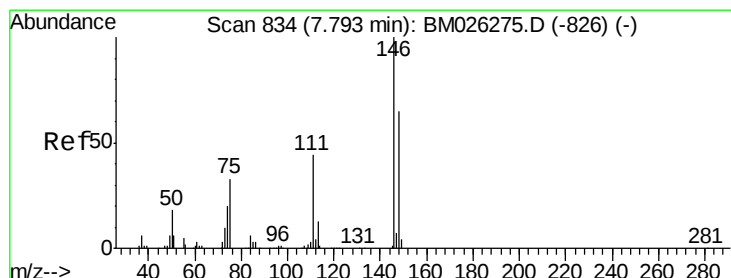
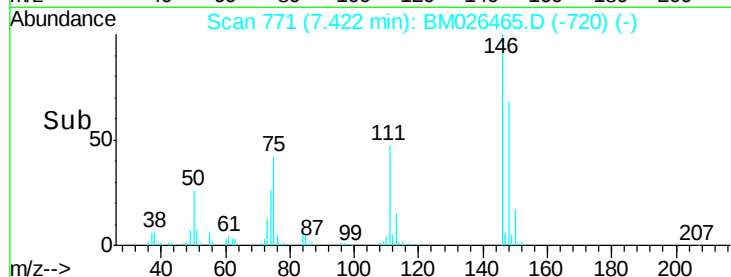
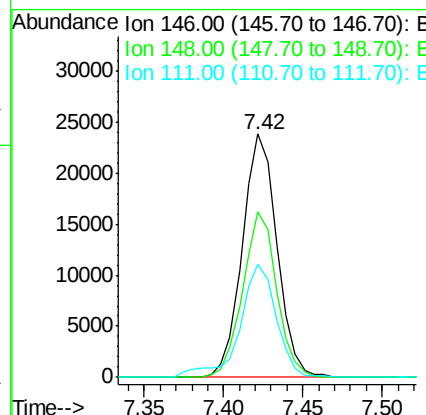
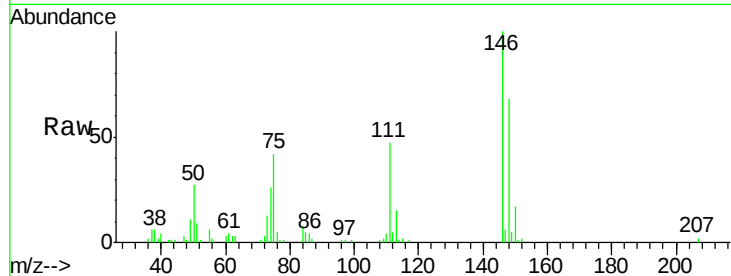
#13  
1,4-Dichlorobenzene  
Concen: 4.700 ng  
RT: 7.42 min Scan# 771  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 68.3  | 52.2  | 78.2  |
| 111     | 46.5  | 34.9  | 52.3  |

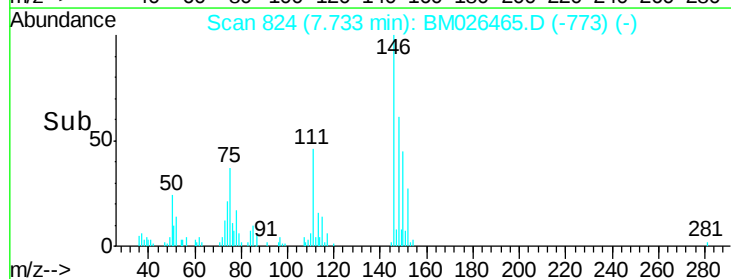
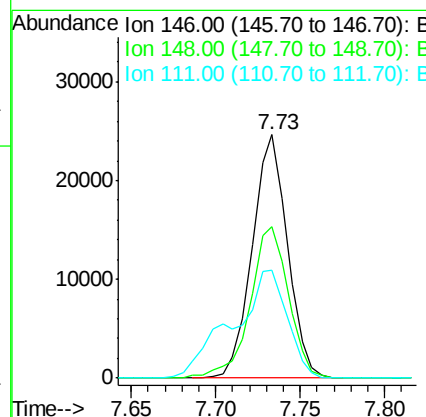
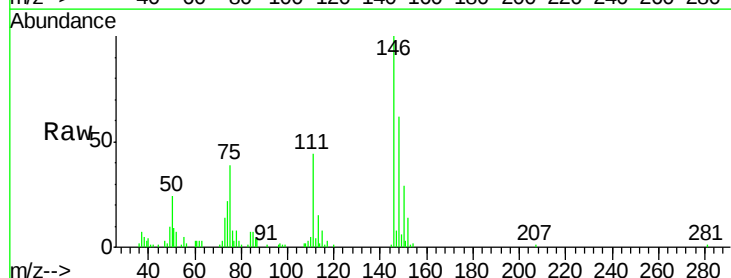
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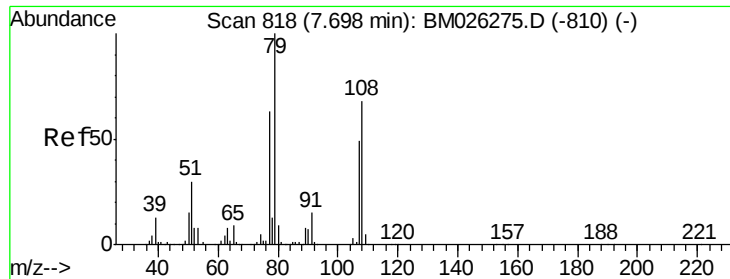
mohammad  
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#14  
1,2-Dichlorobenzene  
Concen: 4.778 ng  
RT: 7.73 min Scan# 824  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.4  | 50.8  | 76.2  |
| 111     | 44.5  | 35.4  | 53.0  |





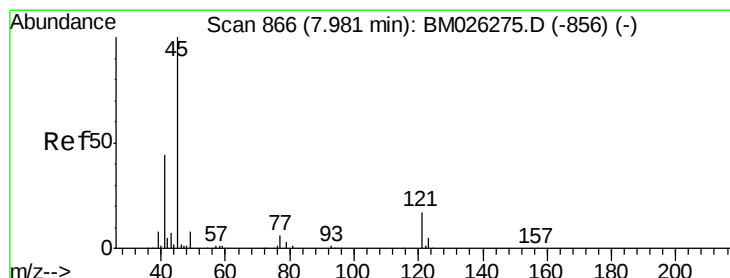
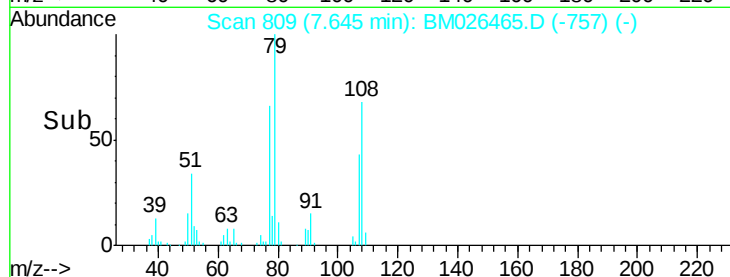
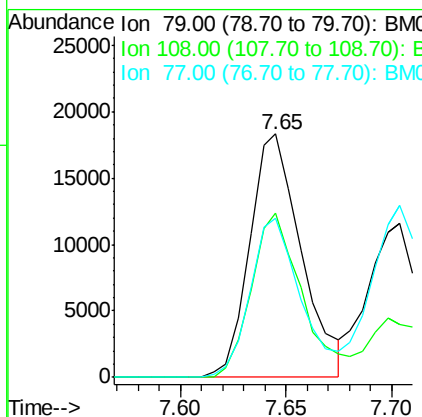
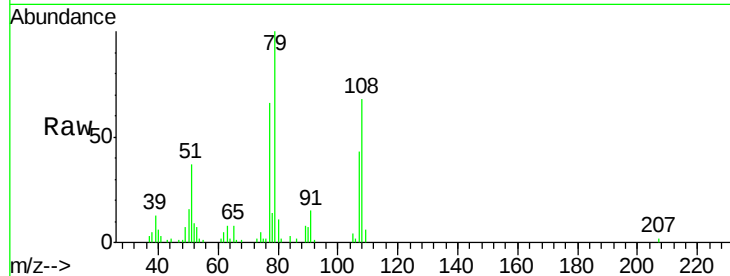
#15  
Benzyl Alcohol  
Concen: 4.267 ng  
RT: 7.65 min Scan# 809  
Delta R.T. 0.01 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 67.6  | 54.6  | 82.0  |
| 77      | 65.6  | 51.0  | 76.4  |

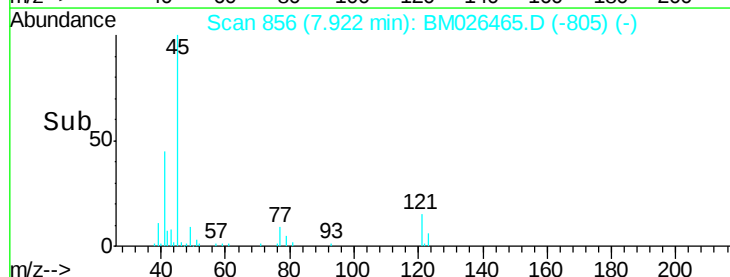
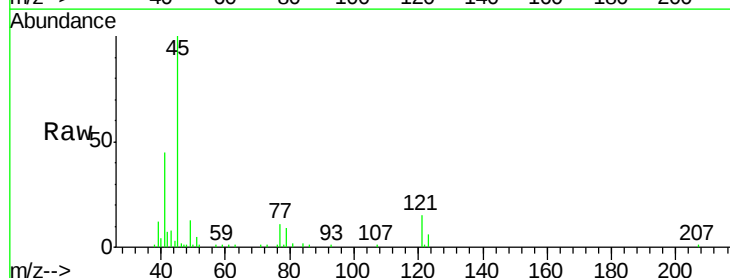
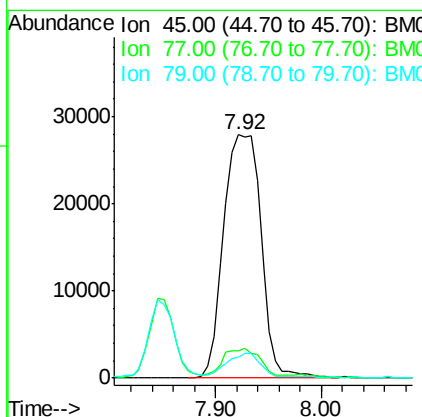
Manual Integrations  
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#16  
2,2'-oxybis(1-chloropropane)  
Concen: 5.026 ng  
RT: 7.92 min Scan# 856  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 11.5  | 0.0   | 31.8  |
| 79      | 8.8   | 0.0   | 28.9  |





#17

2-Methylphenol

Concen: 4.077 ng

RT: 7.85 min Scan# 844

Delta R.T. 0.01 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

Instrument :

BNA\_M

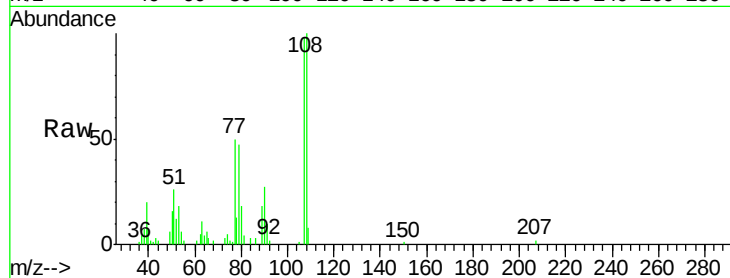
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | 107   | Resp  | 27165 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 107     | 100   |       |       |
| 108     | 102.5 | 88.5  | 132.7 |
| 77      | 51.0  | 40.6  | 60.8  |
| 79      | 48.2  | 39.6  | 59.4  |

Manual Integrations  
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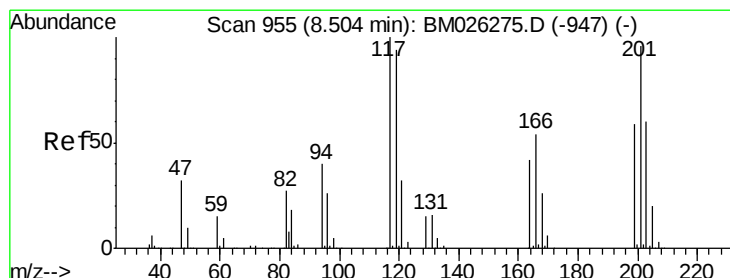
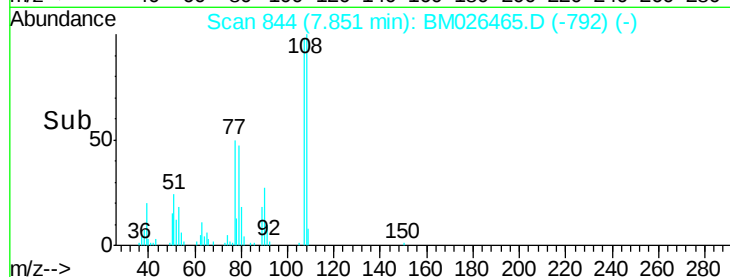
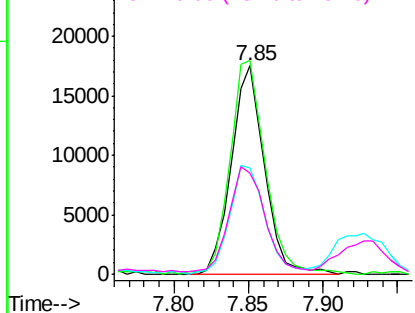


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18

Hexachloroethane

Concen: 4.730 ng

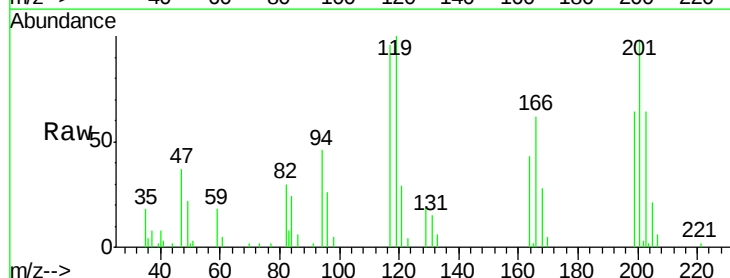
RT: 8.45 min Scan# 945

Delta R.T. 0.01 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

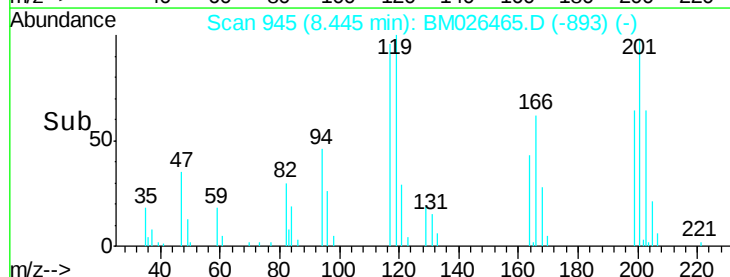
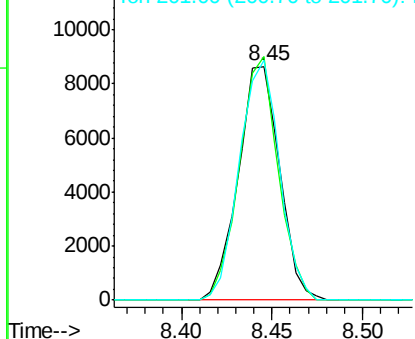
| Tgt Ion | 117   | Resp  | 13772 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 117     | 100   |       |       |
| 119     | 104.1 | 77.8  | 116.6 |
| 201     | 102.3 | 79.9  | 119.9 |



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





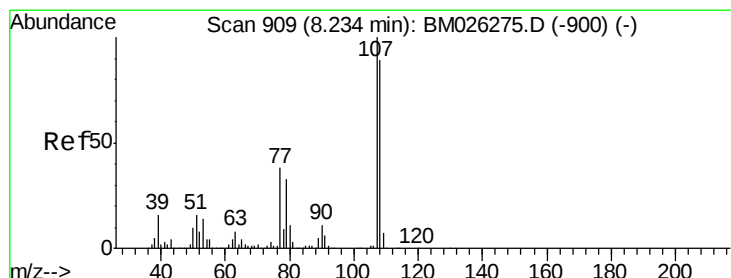
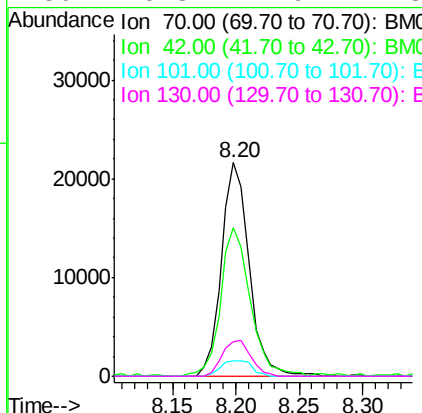
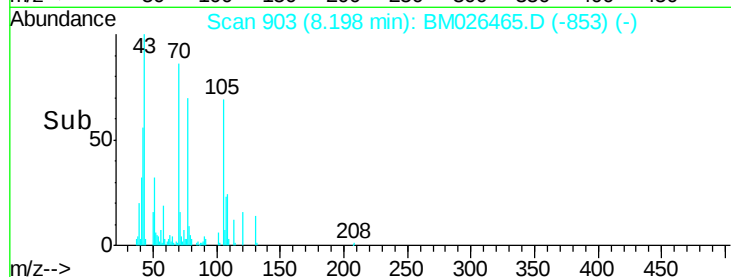
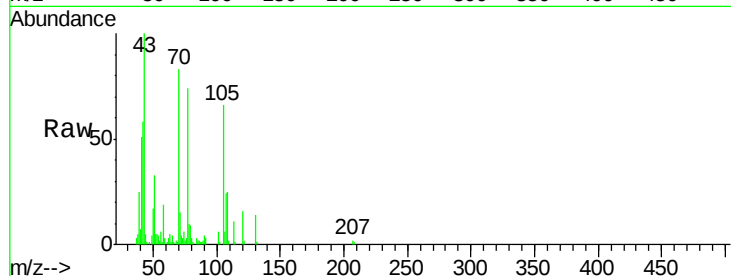
#19  
n-Nitroso-di-n-propylamine  
Concen: 4.927 ng  
RT: 8.20 min Scan# 903  
Delta R.T. -0.01 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 69.6  | 52.2  | 78.4  |
| 101     | 7.5   | 7.0   | 10.6  |
| 130     | 16.3  | 14.9  | 22.3  |

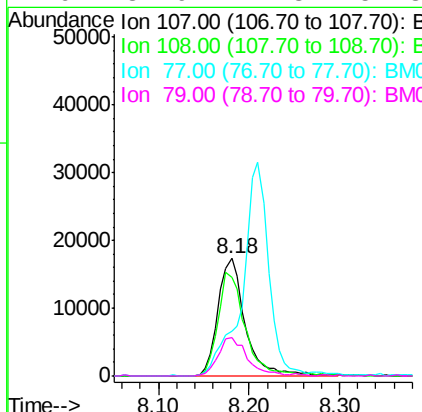
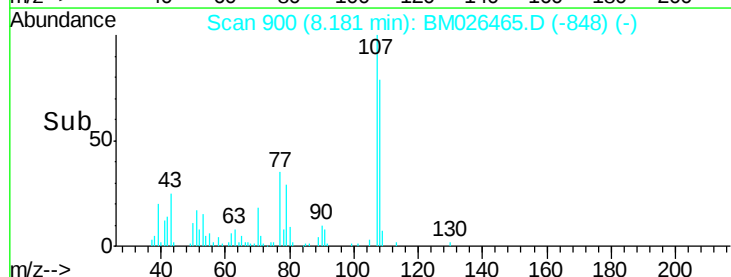
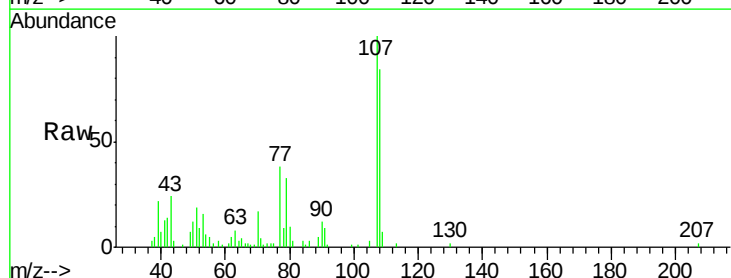
Manual Integrations  
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#20  
3+4-Methylphenols  
Concen: 3.985 ng  
RT: 8.18 min Scan# 900  
Delta R.T. 0.01 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 83.6  | 70.4  | 110.4 |
| 77      | 37.7  | 17.3  | 57.3  |
| 79      | 32.9  | 12.3  | 52.3  |





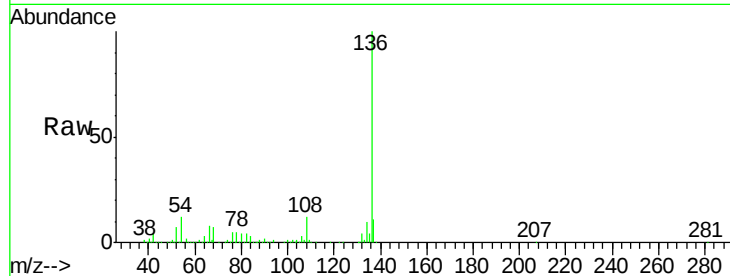
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.15 min Scan# 1234  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 432050 |       |       |
| 137     | 11.5 |       | 8.5    | 12.7  |       |
| 54      | 11.6 |       | 9.0    | 13.6  |       |
| 68      | 7.0  |       | 5.6    | 8.4   |       |

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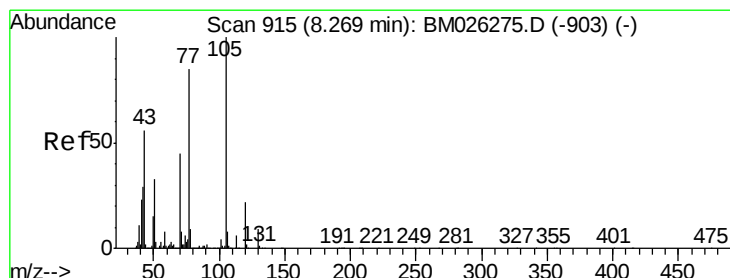
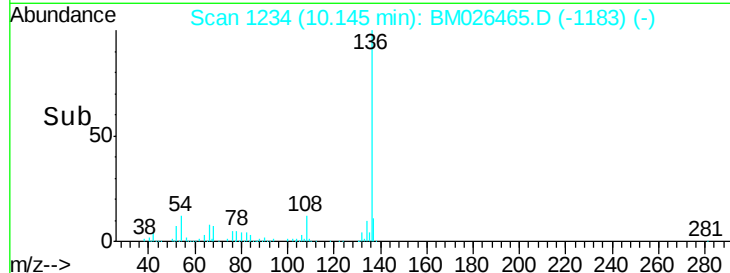
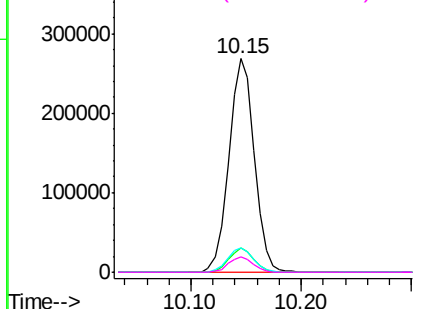
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22  
Acetophenone  
Concen: 5.177 ng  
RT: 8.21 min Scan# 905  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 105     | 100  |       | 57515 |       |       |
| 71      | 5.2  |       | 4.5   | 6.7   |       |
| 51      | 38.2 |       | 25.2  | 37.8  |       |
| 120     | 22.3 |       | 17.0  | 25.6  |       |

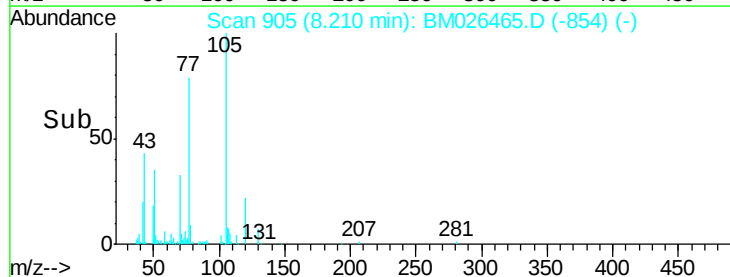
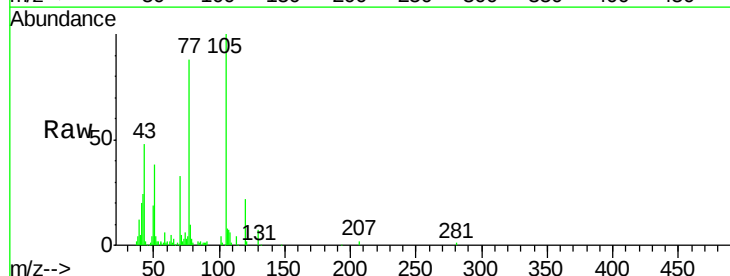
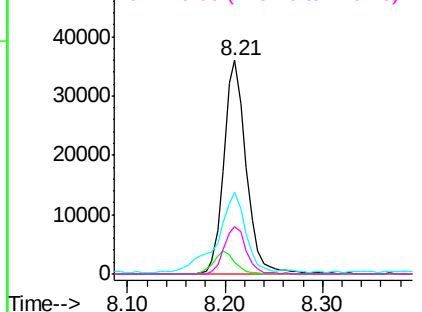
Abundance

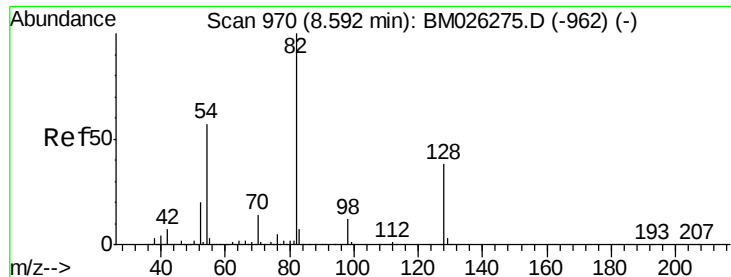
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E





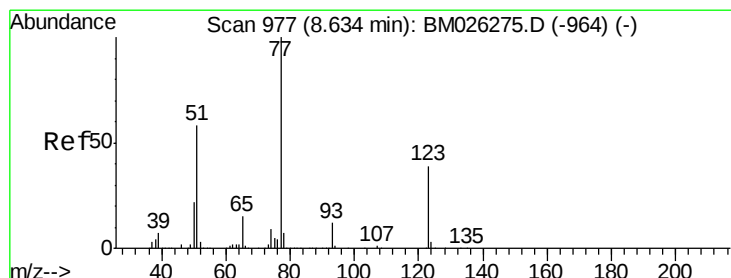
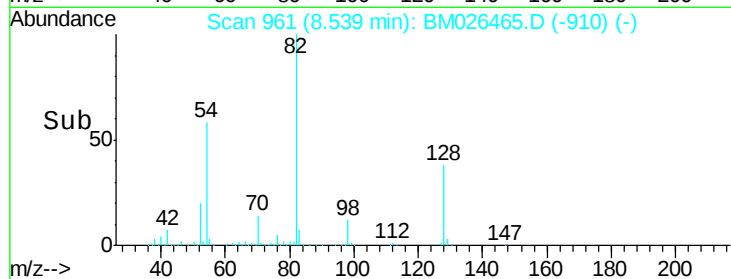
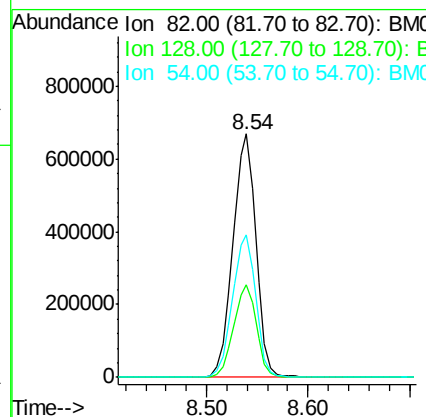
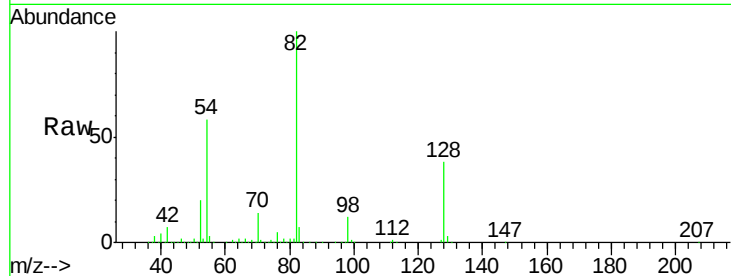
#23  
 Nitrobenzene-d5  
 Concen: 120.114 ng  
 RT: 8.54 min Scan# 961  
 Delta R.T. -0.00 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2020

| Tot Ion   | 82    | Resp  | 1056939 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 82        | 100   |       |         |
| 128       | 38.3  | 31.0  | 46.6    |
| 54        | 58.3  | 45.4  | 68.2    |

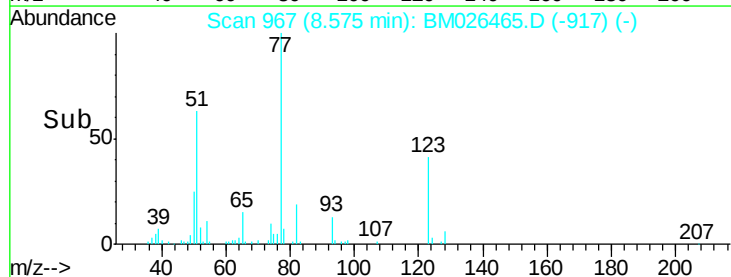
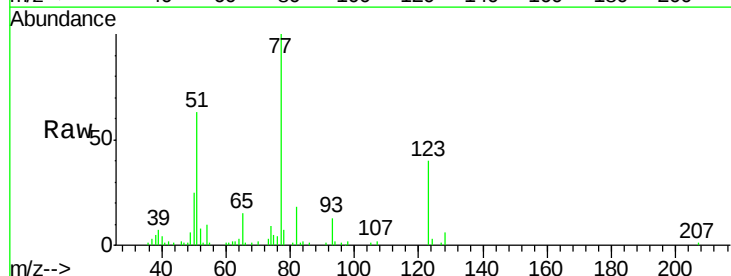
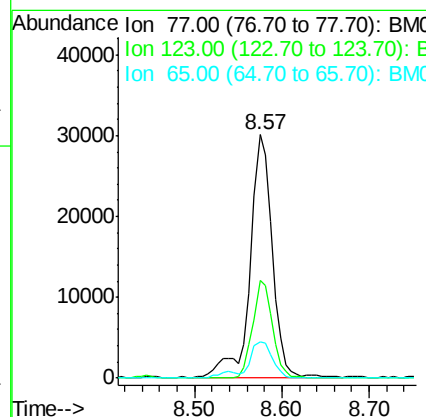
Manual Integrations  
 APPROVED

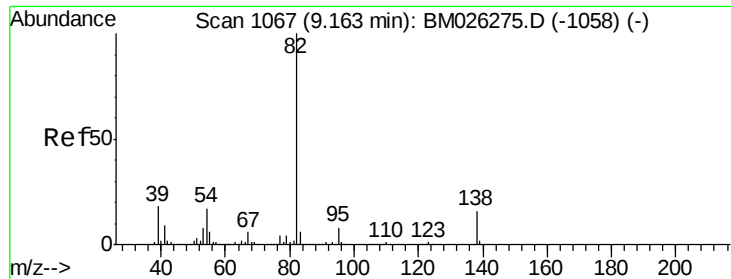
mohammad  
 6/22/2020 3:23:15 PM



#24  
 Nitrobenzene  
 Concen: 5.635 ng  
 RT: 8.57 min Scan# 967  
 Delta R.T. -0.01 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

| Tgt Ion   | 77    | Resp  | 51911 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 123       | 39.9  | 32.0  | 48.0  |
| 65        | 15.0  | 11.8  | 17.8  |





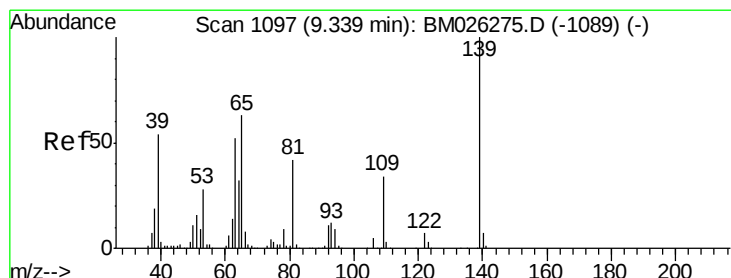
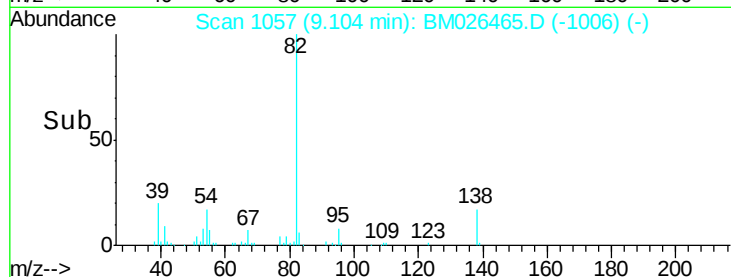
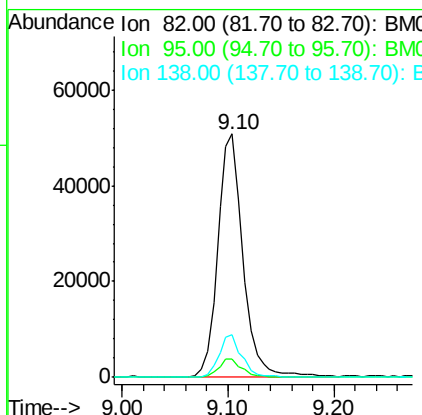
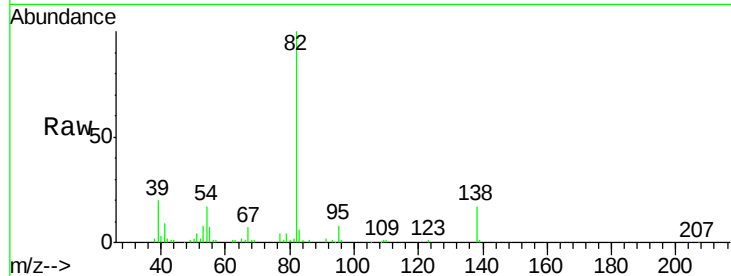
#25  
Isophorone  
Concen: 5.130 ng  
RT: 9.10 min Scan# 1057  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 7.6   | 6.0   | 9.0   |
| 138     | 17.3  | 12.7  | 19.1  |

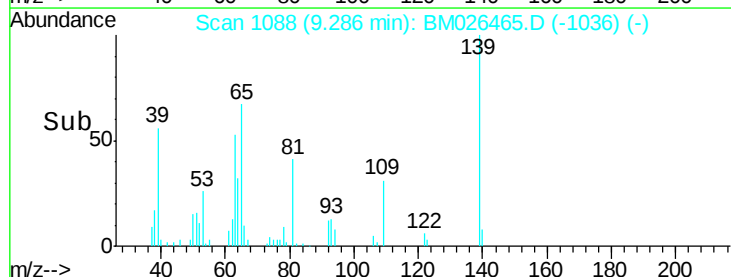
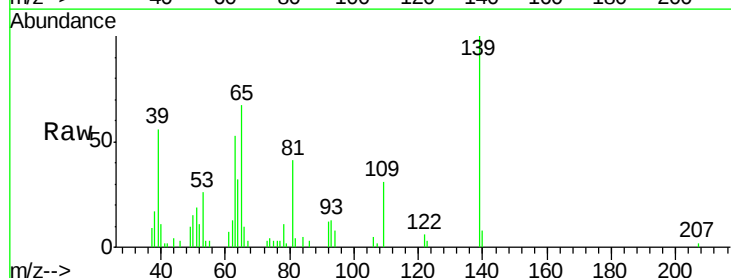
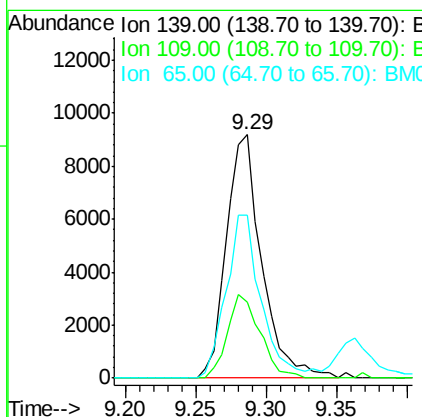
Manual Integrations  
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#26  
2-Nitrophenol  
Concen: 4.394 ng  
RT: 9.29 min Scan# 1088  
Delta R.T. 0.01 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 31.2  | 25.2  | 37.8  |
| 65      | 66.9  | 47.1  | 70.7  |





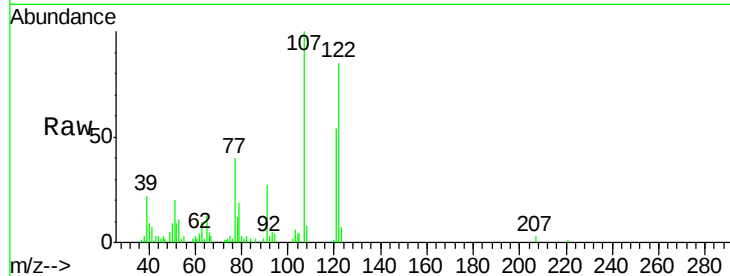
#27  
2,4-Dimethylphenol  
Concen: 2.888 ng  
RT: 9.36 min Scan# 1101  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 118.2 | 96.1  | 144.1 |
| 121     | 63.6  | 46.0  | 69.0  |

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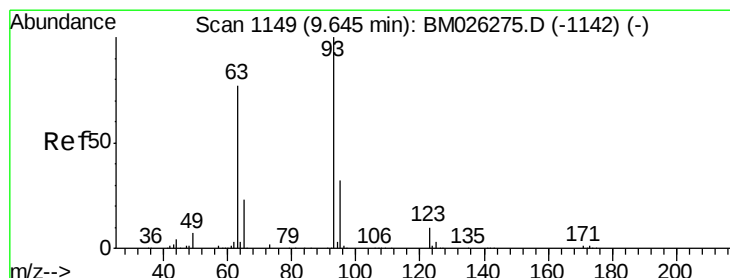
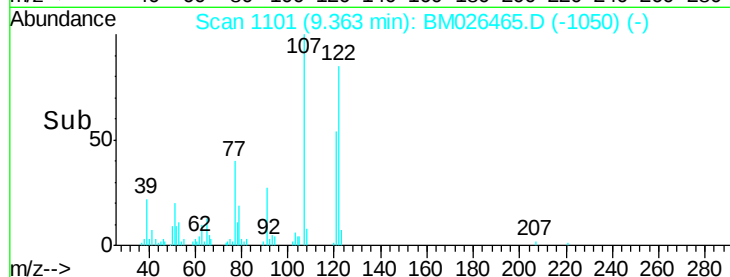
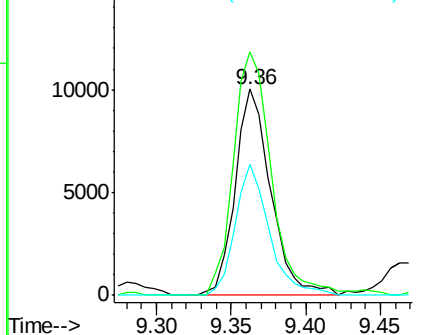


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28  
bis(2-Chloroethoxy)methane  
Concen: 5.160 ng  
RT: 9.59 min Scan# 1140  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

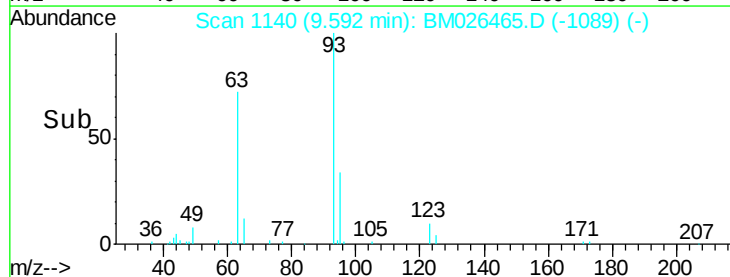
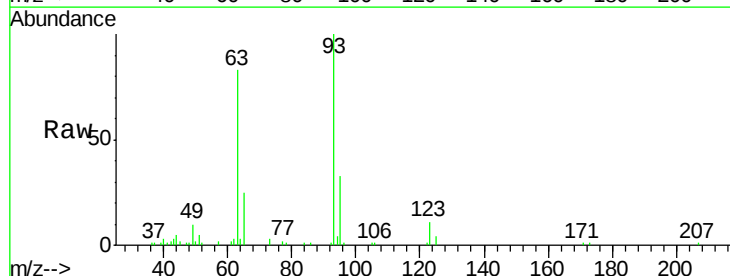
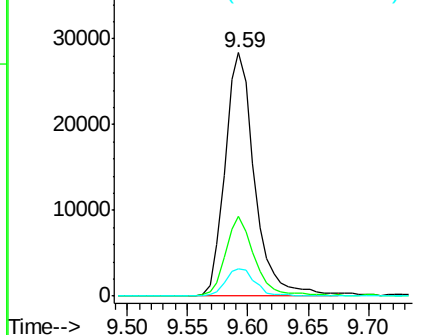
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.5  | 25.9  | 38.9  |
| 123     | 11.3  | 8.9   | 13.3  |

Abundance

Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





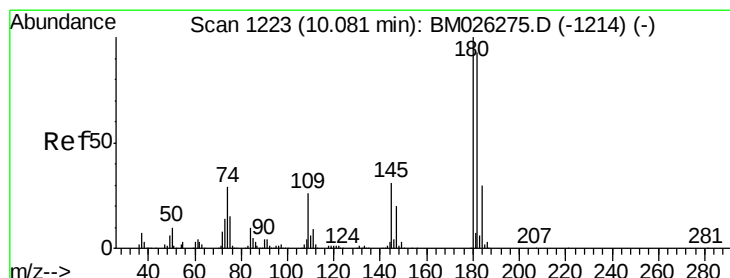
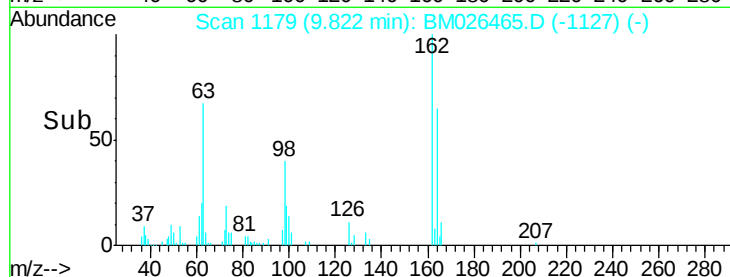
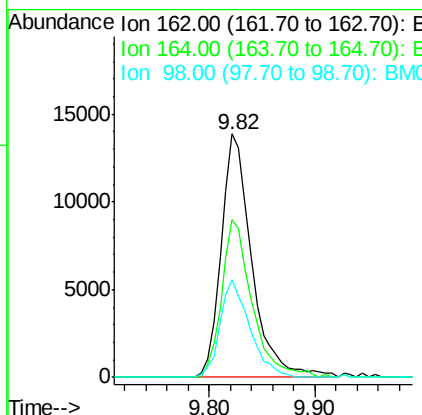
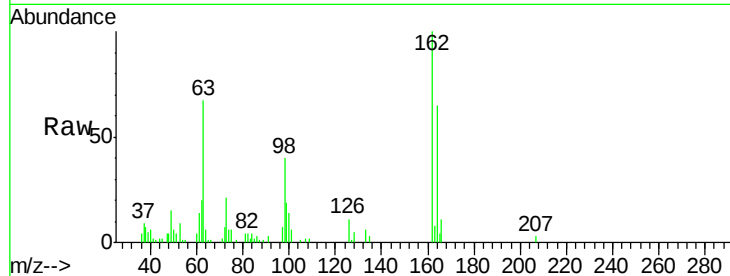
#29  
 2,4-Dichlorophenol  
 Concen: 4.417 ng  
 RT: 9.82 min Scan# 1179  
 Delta R.T. 0.01 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 162   | Resp: | 27888 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 65.0  | 46.2  | 86.2  |
| 98        | 40.0  | 19.0  | 59.0  |

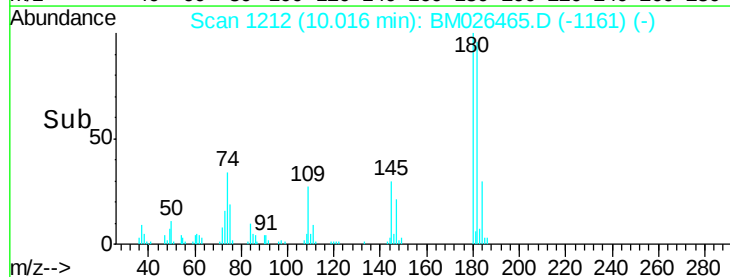
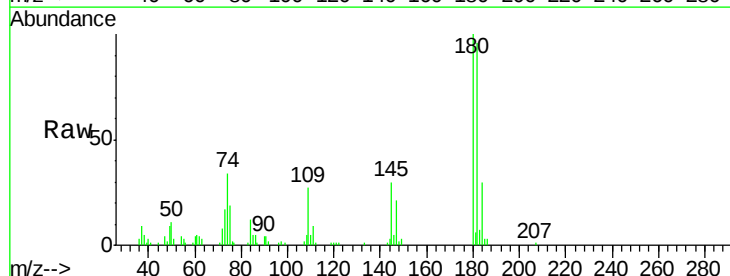
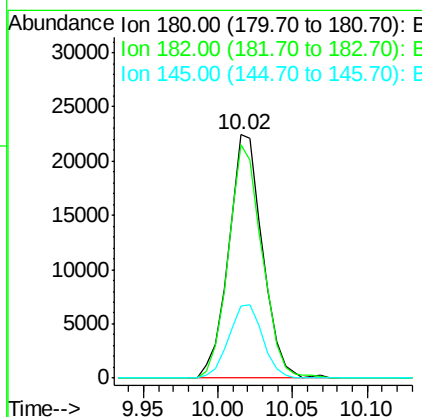
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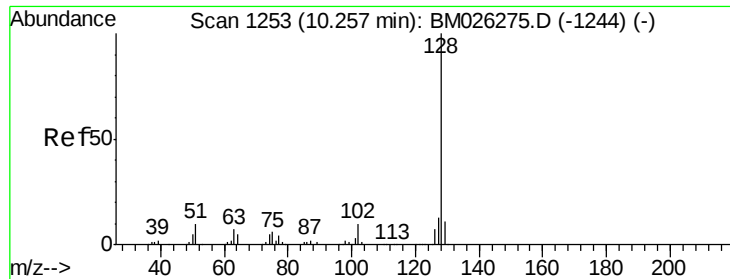
mohammad  
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 5.138 ng  
 RT: 10.02 min Scan# 1212  
 Delta R.T. -0.00 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 35577 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.8  | 77.3  | 115.9 |
| 145       | 29.6  | 26.6  | 40.0  |





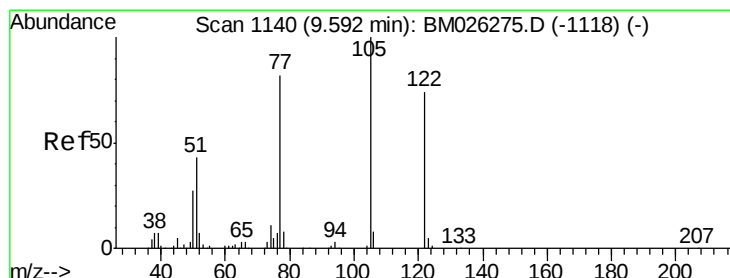
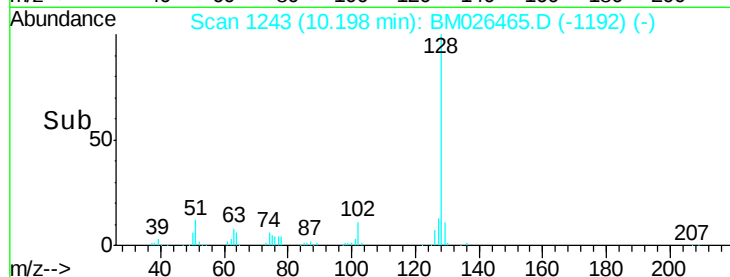
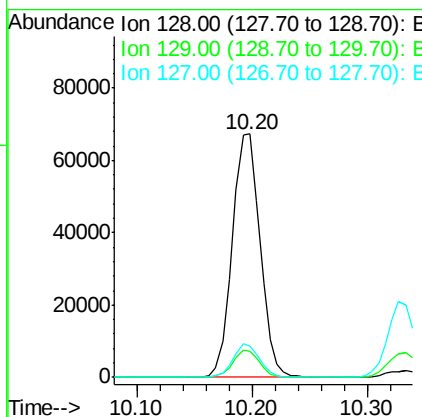
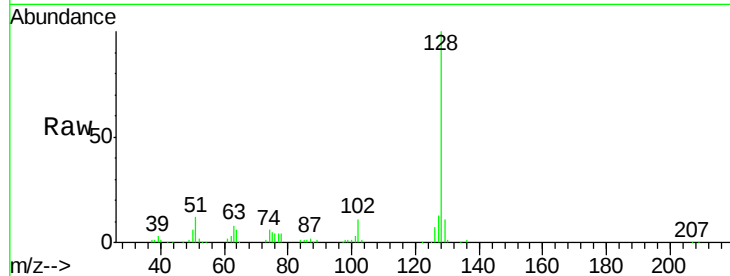
#31  
Naphthalene  
Concen: 5.166 ng  
RT: 10.20 min Scan# 1243  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.9  | 8.4   | 12.6  |
| 127     | 12.7  | 10.2  | 15.4  |

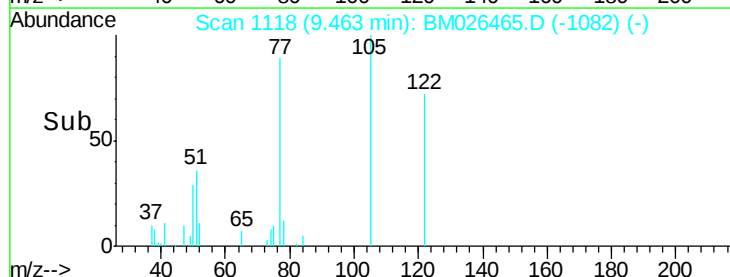
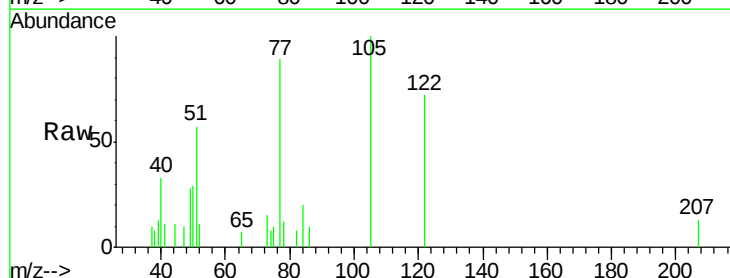
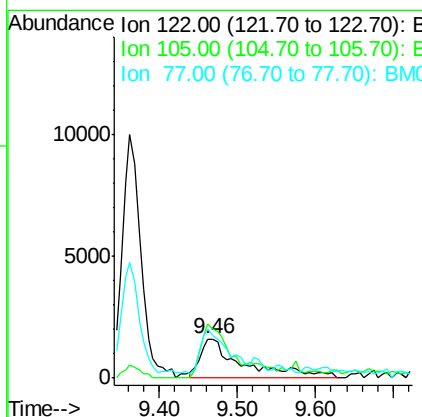
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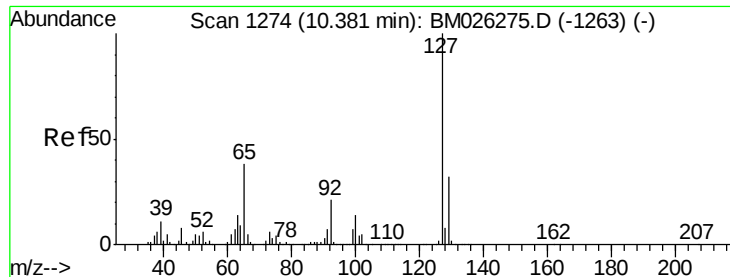
mohammad  
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#32  
Benzoic acid  
Concen: 1.433 ng m  
RT: 9.46 min Scan# 1118  
Delta R.T. -0.09 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 139.5 | 108.9 | 148.9 |
| 77      | 124.8 | 90.1  | 130.1 |





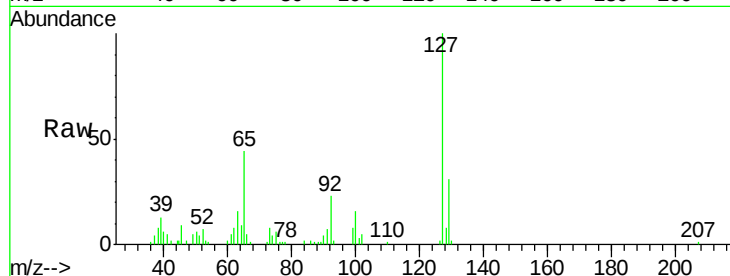
#33  
4-Chloroaniline  
Concen: 4.179 ng  
RT: 10.33 min Scan# 1265  
Delta R.T. 0.01 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

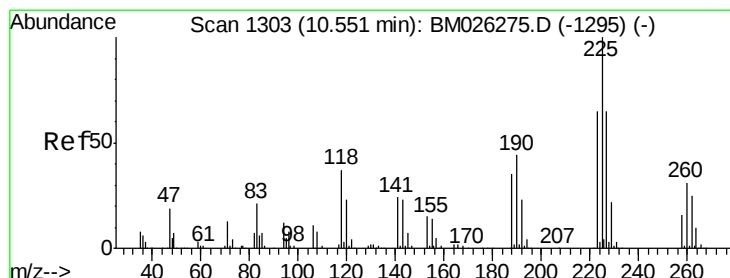
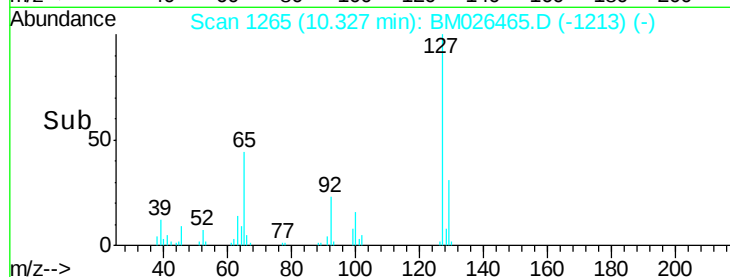
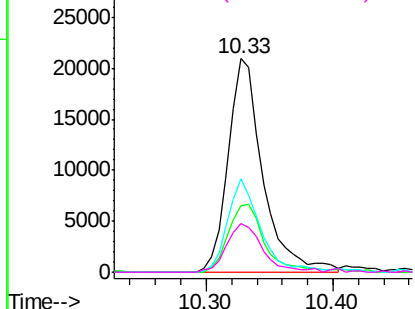
| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 127     | 100  |       | 39686 |       |       |
| 129     | 31.3 | 25.3  | 37.9  |       |       |
| 65      | 43.9 | 30.0  | 45.0  |       |       |
| 92      | 22.9 | 17.1  | 25.7  |       |       |

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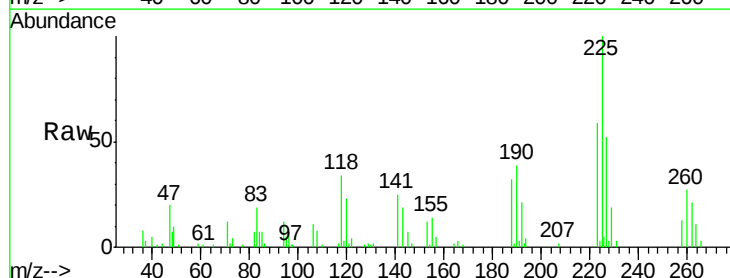


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BM0  
Ion 92.00 (91.70 to 92.70): BM0

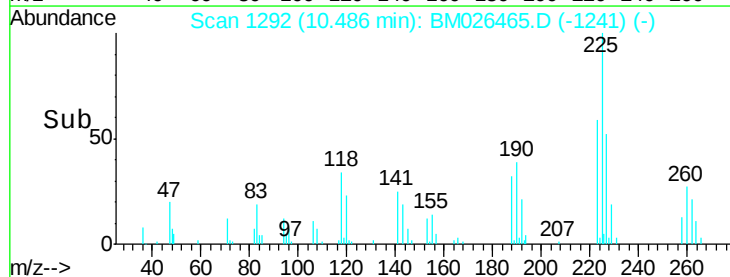
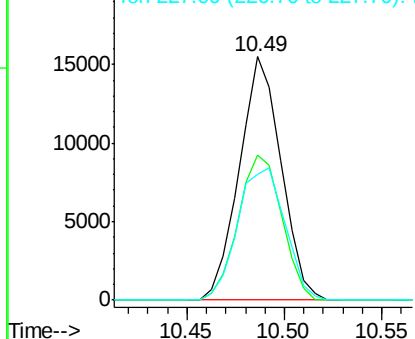


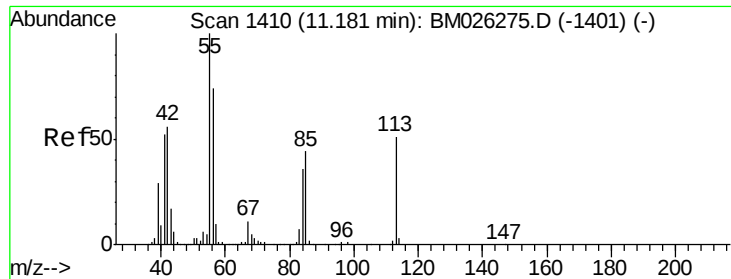
#34  
Hexachlorobutadiene  
Concen: 5.276 ng  
RT: 10.49 min Scan# 1292  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 225     | 100  |       | 23062 |       |       |
| 223     | 59.4 | 50.2  | 75.4  |       |       |
| 227     | 51.9 | 49.5  | 74.3  |       |       |



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: 4.809 ng

RT: 11.10 min Scan# 1397

Delta R.T. -0.02 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:113 Resp: 10668

Ion Ratio Lower Upper

113 100

55 206.3 177.1 217.1

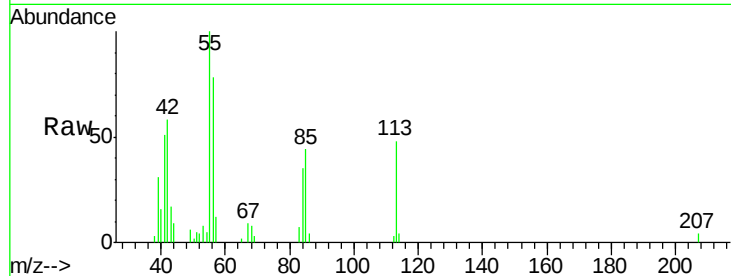
56 161.4 134.8 174.8

Manual Integrations

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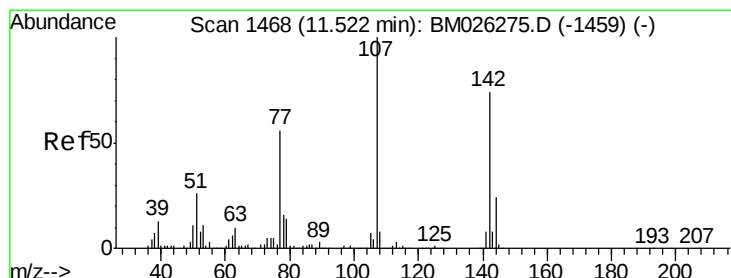
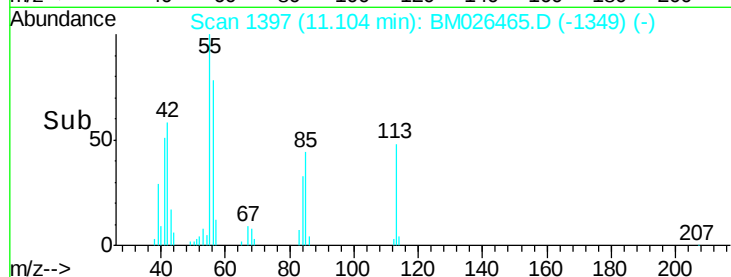
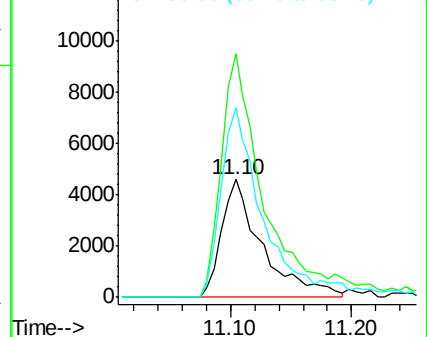
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 4.838 ng

RT: 11.47 min Scan# 1459

Delta R.T. -0.00 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

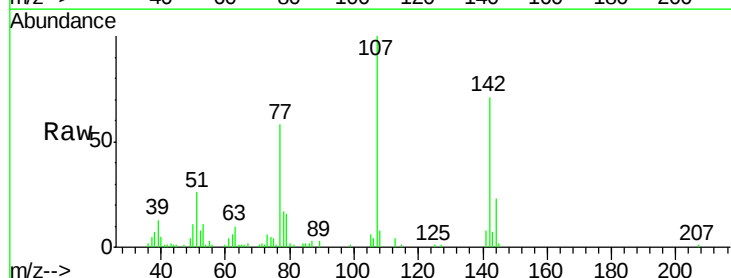
Tgt Ion:107 Resp: 37227

Ion Ratio Lower Upper

107 100

144 22.8 18.7 28.1

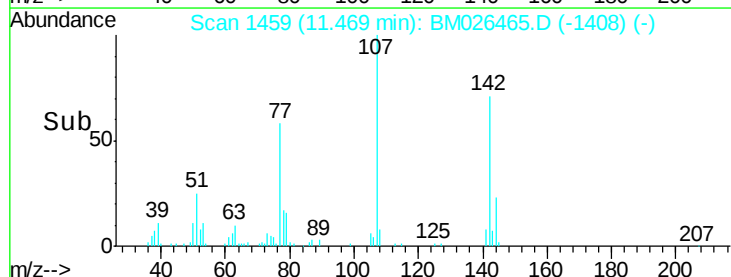
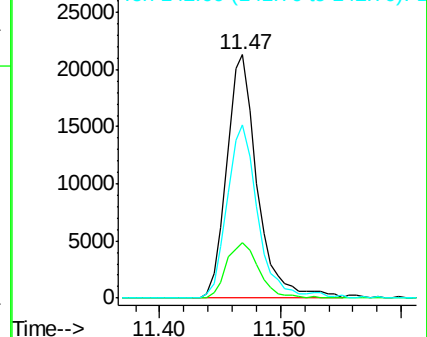
142 70.9 57.7 86.5

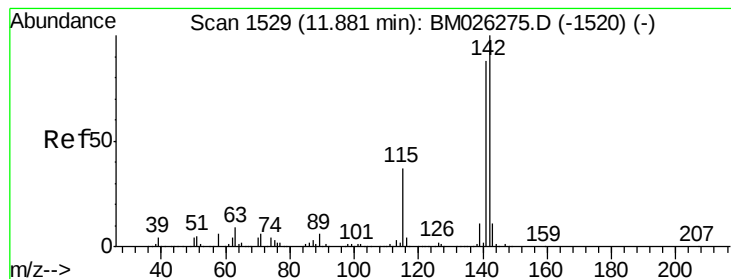


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





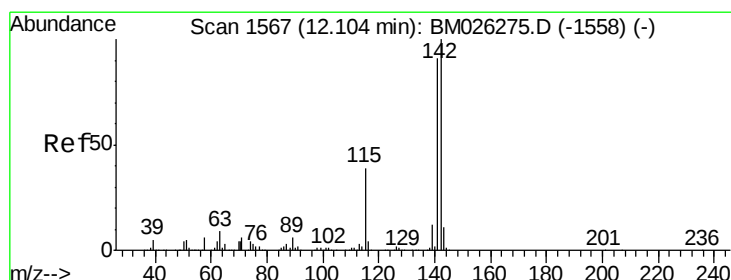
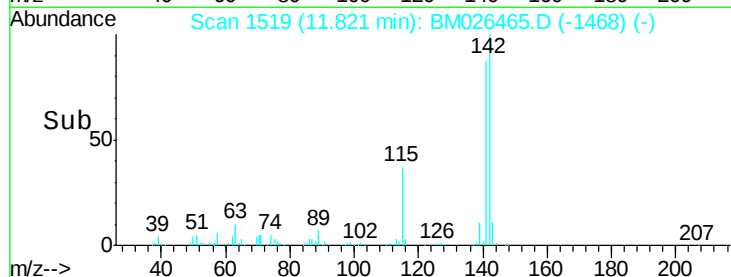
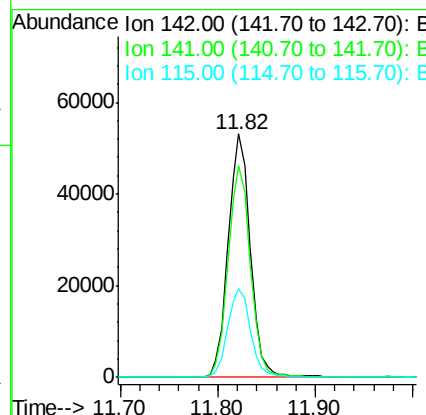
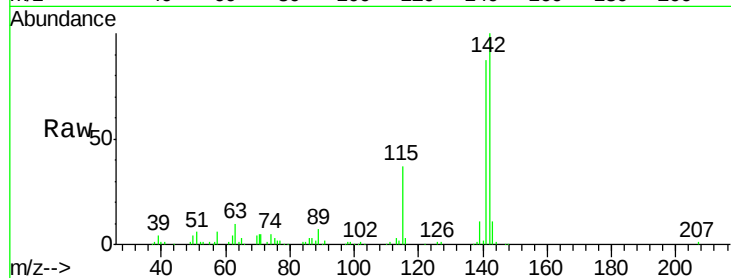
#37  
2-Methylnaphthalene  
Concen: 5.408 ng  
RT: 11.82 min Scan# 1519  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.9  | 70.5  | 105.7 |
| 115     | 36.6  | 30.2  | 45.4  |

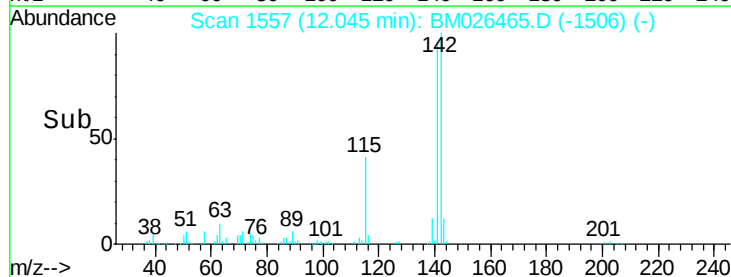
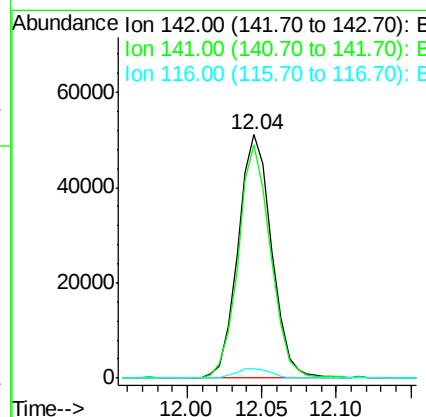
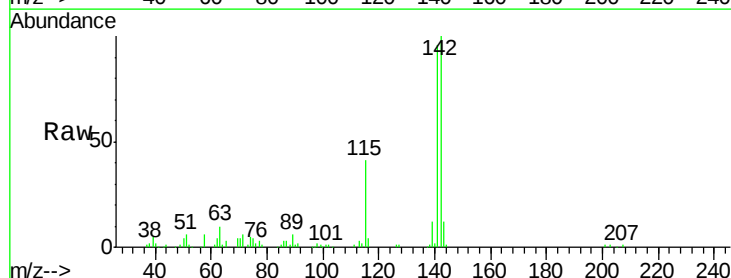
Manual Integrations  
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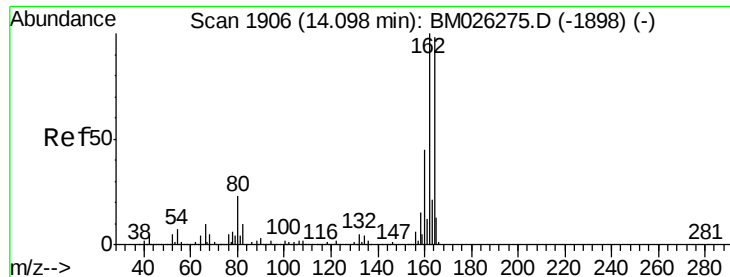
mohammad  
6/22/2020 3:23:15 PM



#38  
1-Methylnaphthalene  
Concen: 5.444 ng  
RT: 12.04 min Scan# 1557  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 95.9  | 73.3  | 109.9 |
| 116     | 4.1   | 3.4   | 5.0   |





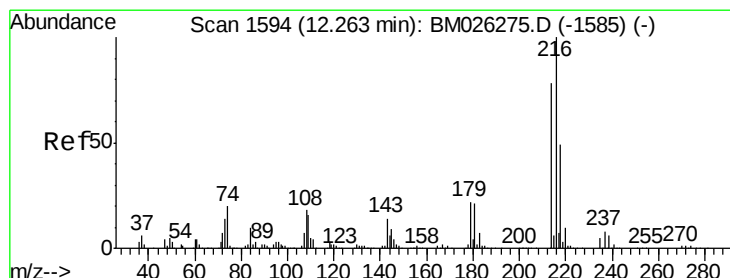
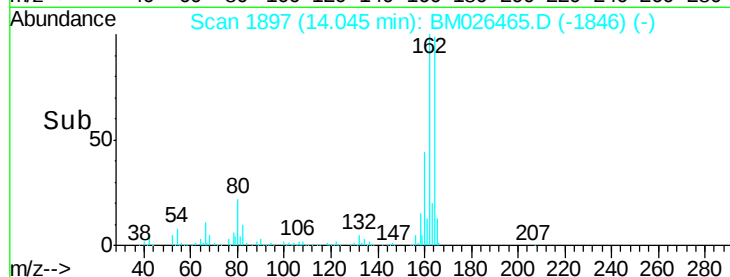
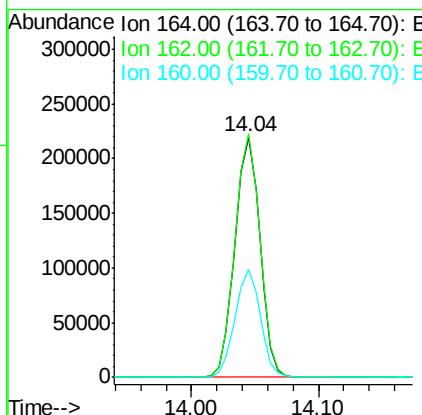
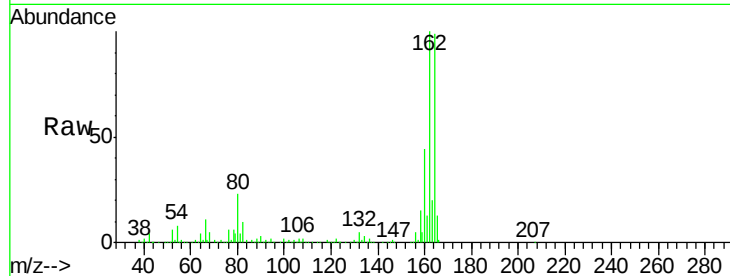
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.04 min Scan# 1897  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.3 | 77.7  | 116.5 |
| 160     | 45.0  | 34.2  | 51.2  |

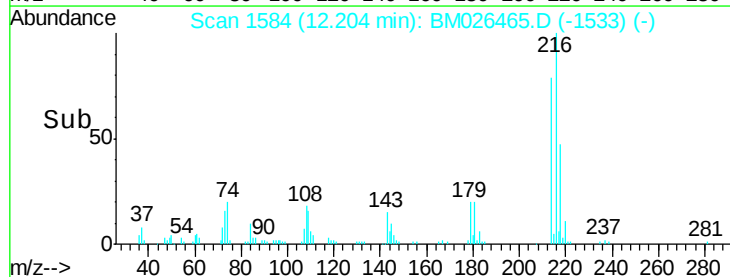
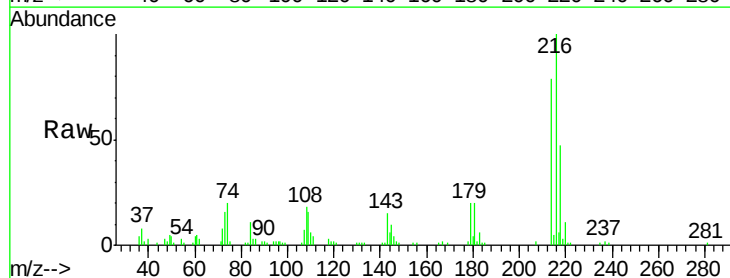
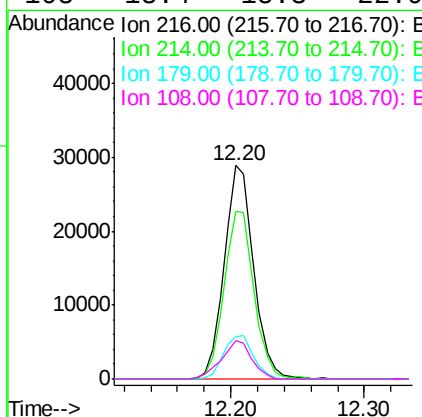
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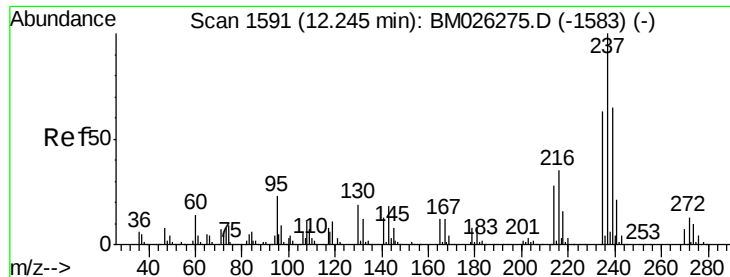
mohammad  
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 5.210 ng  
RT: 12.20 min Scan# 1584  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 80.3  | 61.9  | 92.9  |
| 179     | 20.7  | 16.3  | 24.5  |
| 108     | 18.4  | 15.3  | 22.9  |





#41

Hexachlorocyclopentadiene

Concen: 1.925 ng

RT: 12.19 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

Instrument :

BNA\_M

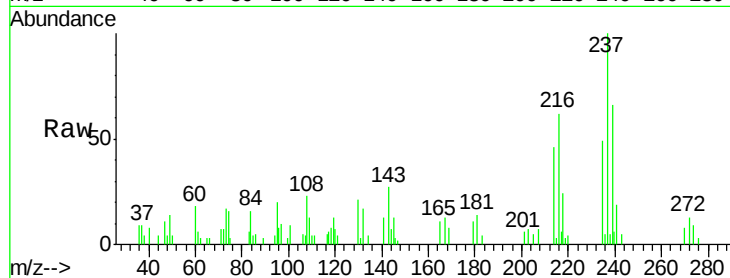
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

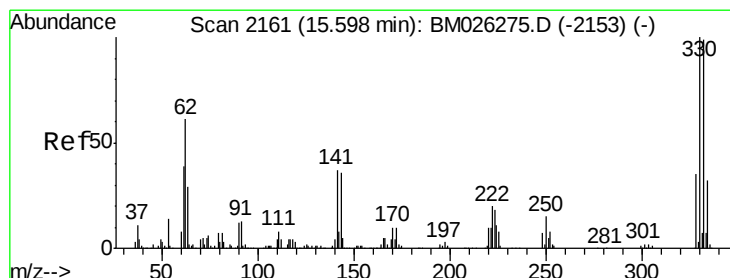
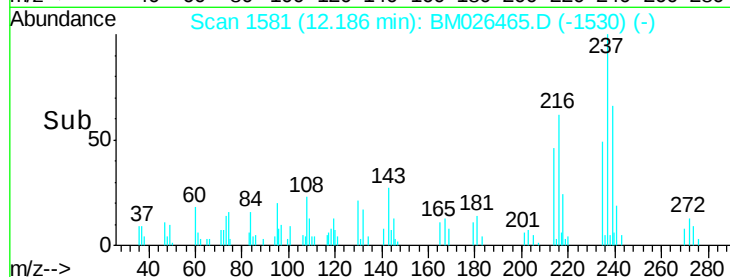
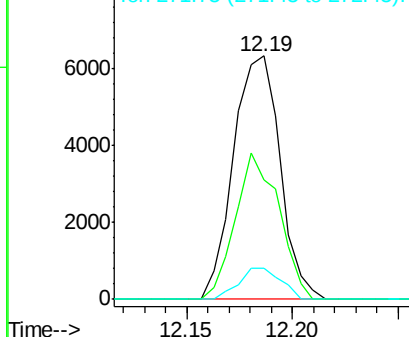
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 237   | Resp: | 9703 |
| Ion Ratio | Lower | Upper |      |
| 237       | 100   |       |      |
| 235       | 49.3  | 42.1  | 82.1 |
| 272       | 12.7  | 0.0   | 33.5 |

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



#42

2,4,6-Tribromophenol

Concen: 199.355 ng

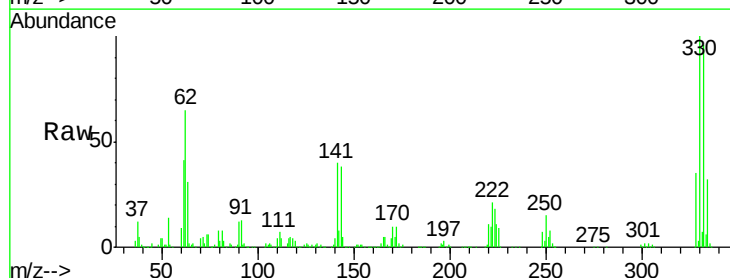
RT: 15.55 min Scan# 2153

Delta R.T. -0.00 min

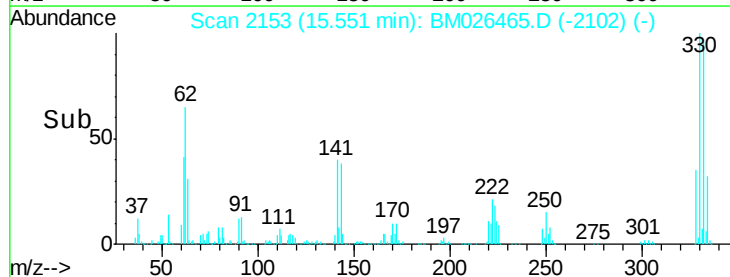
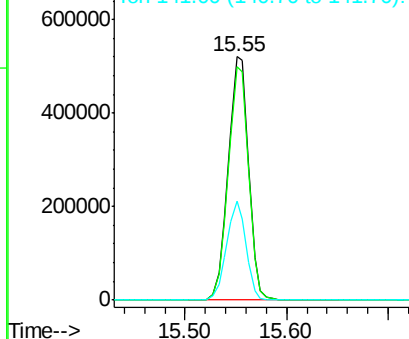
Lab File: BM026465.D

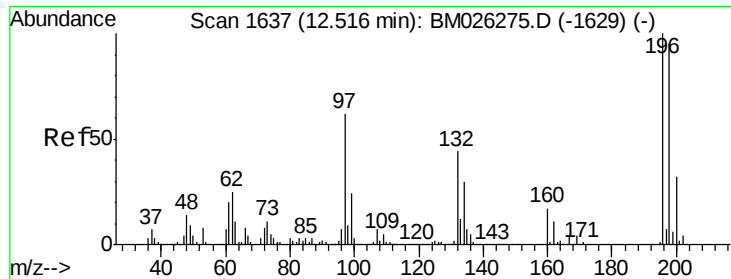
Acq: 19 Jun 2020 11:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 725613 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.7  | 77.7  | 116.5  |
| 141       | 38.8  | 29.7  | 44.5   |



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





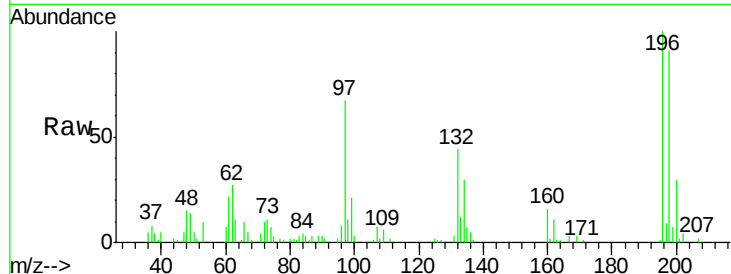
#43  
 2,4,6-Trichlorophenol  
 Concen: 4.260 ng  
 RT: 12.46 min Scan# 1628  
 Delta R.T. -0.00 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 90.7  | 79.0  | 118.4 |
| 200     | 30.2  | 25.2  | 37.8  |

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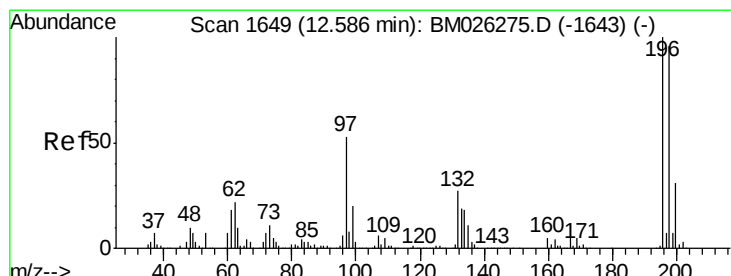
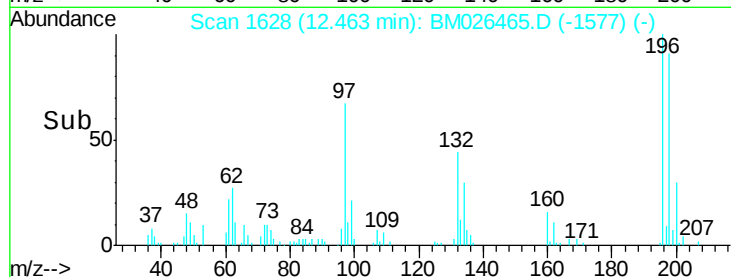
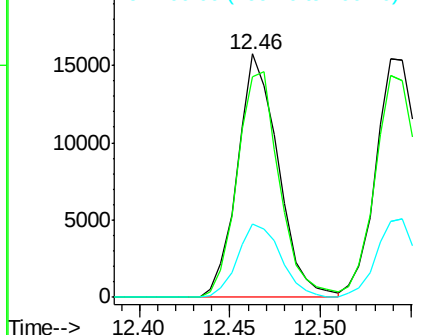


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 4.222 ng  
 RT: 12.54 min Scan# 1641  
 Delta R.T. 0.01 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 92.7  | 77.1  | 115.7 |
| 97      | 56.6  | 43.0  | 64.4  |
| 132     | 27.8  | 21.8  | 32.8  |

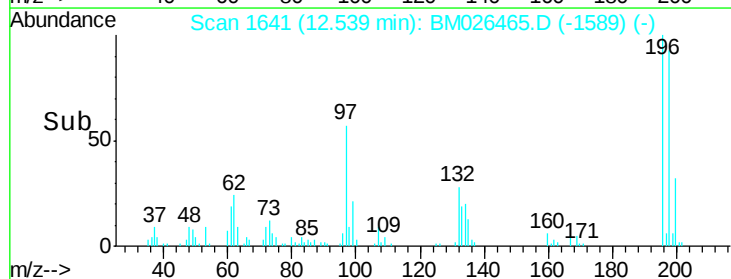
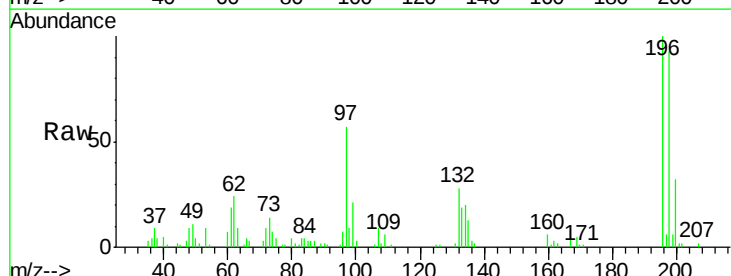
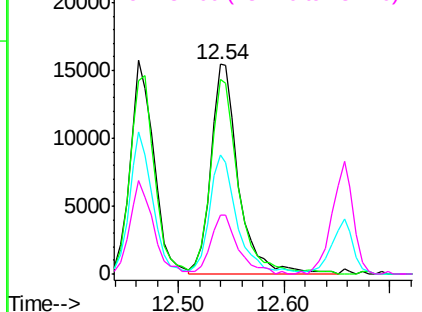
Abundance

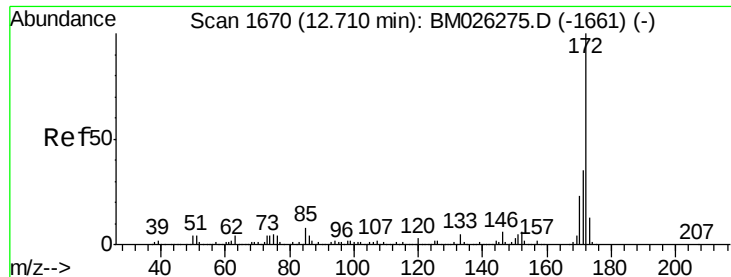
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM0

Ion 132.00 (131.70 to 132.70): E





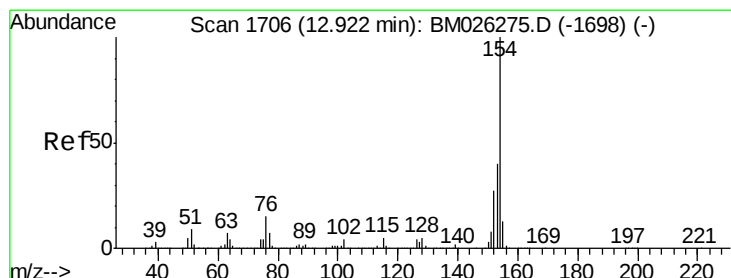
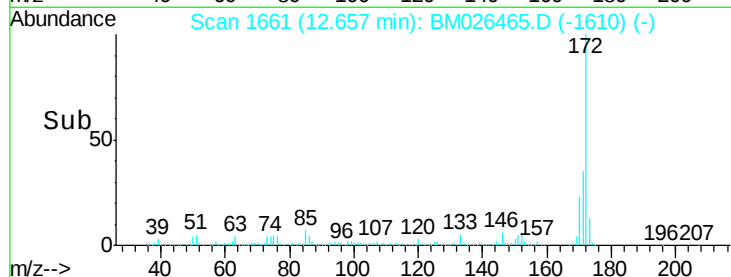
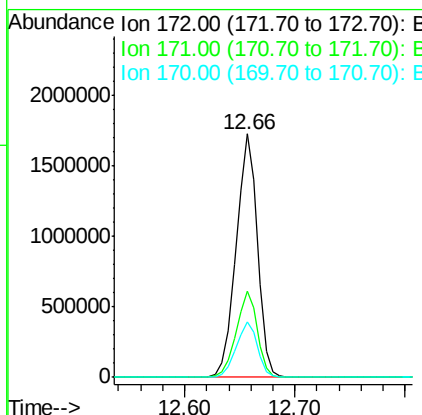
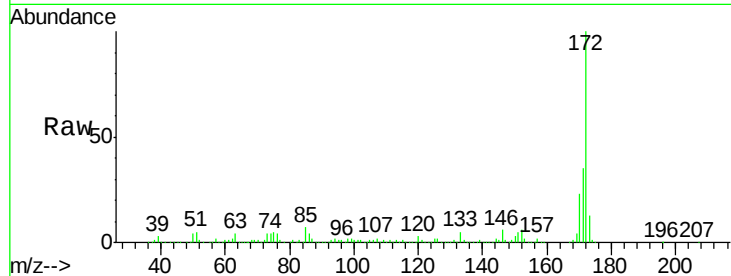
#45  
2-Fluorobiphenyl  
Concen: 118.147 ng  
RT: 12.66 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 27.8  | 41.8  |
| 170     | 23.0  | 18.2  | 27.4  |

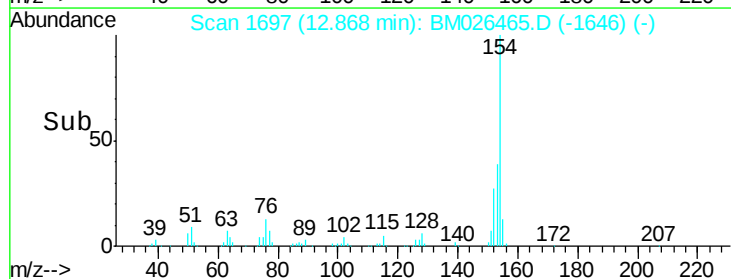
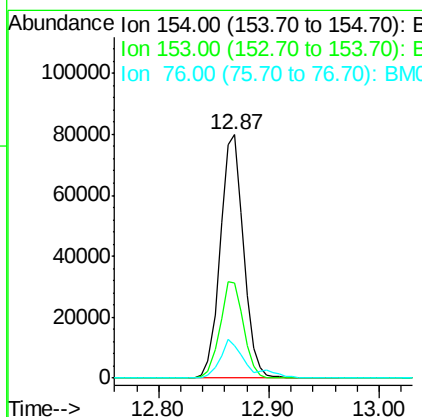
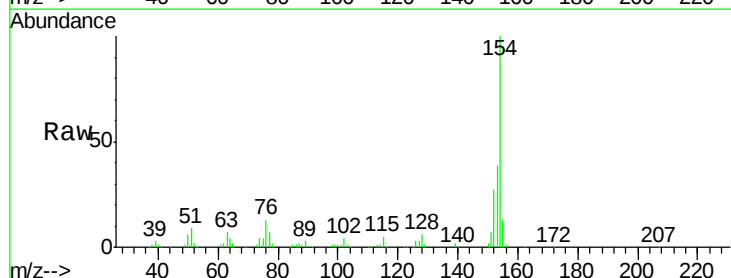
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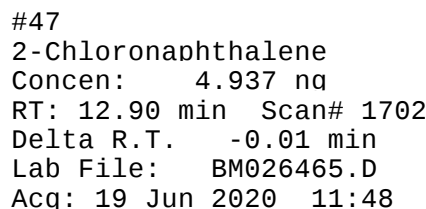
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#46  
1,1'-Biphenyl  
Concen: 5.581 ng  
RT: 12.87 min Scan# 1697  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.2  | 20.0  | 60.0  |
| 76      | 13.3  | 0.0   | 34.6  |



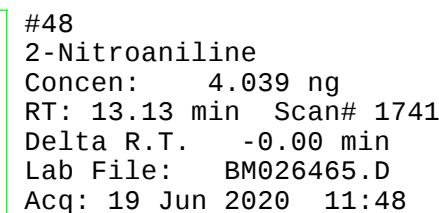
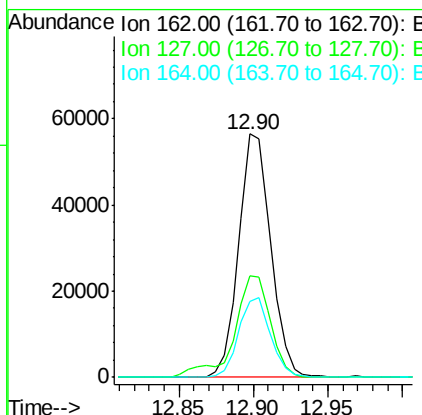


**Instrument :**  
BNA\_M  
**ClientSampleId :**  
LOD-MDL-SOIL-01-OT1-2020

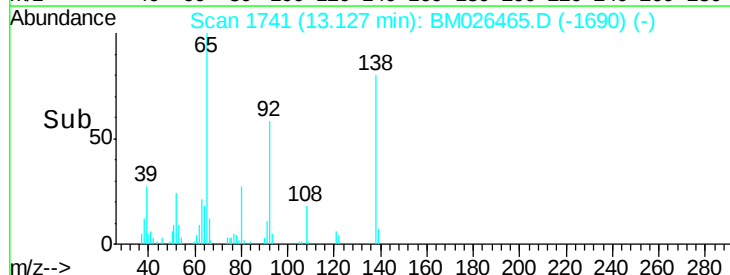
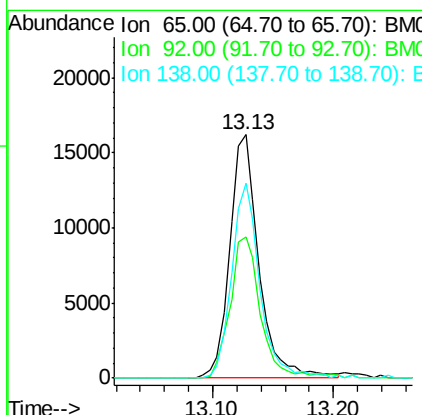
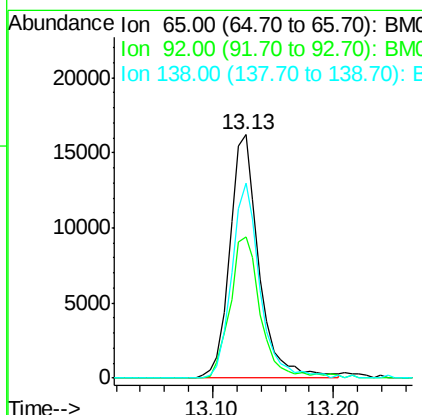
|     |         |       |       |
|-----|---------|-------|-------|
| Tqt | Ion:162 | Resp: | 84473 |
| Ion | Ratio   | Lower | Upper |
| 162 | 100     |       |       |
| 127 | 41.8    | 34.0  | 51.0  |
| 164 | 31.1    | 26.3  | 39.5  |

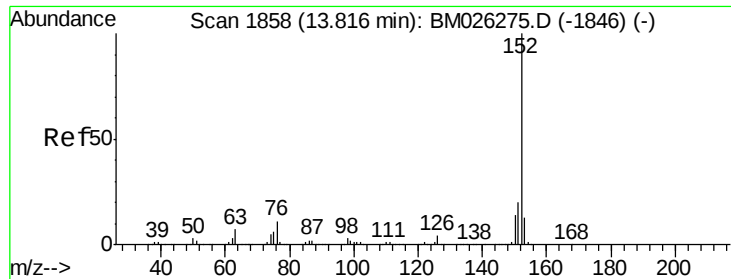
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|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion: 65 | Resp: | 27388 |
| Ion | Ratio   | Lower | Upper |
| 65  | 100     |       |       |
| 92  | 57.9    | 50.6  | 76.0  |
| 138 | 80.0    | 71.6  | 107.4 |





#49

Acenaphthylene

Concen: 4.990 ng

RT: 13.76 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BM026465.D

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Instrument :

BNA\_M

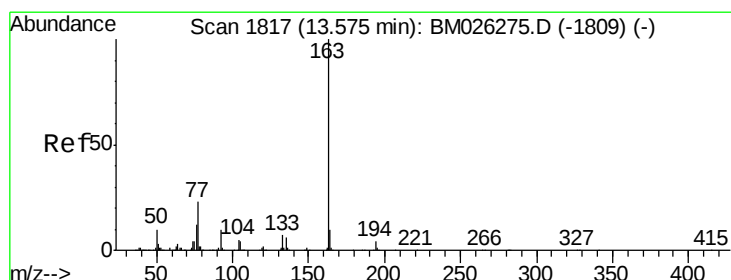
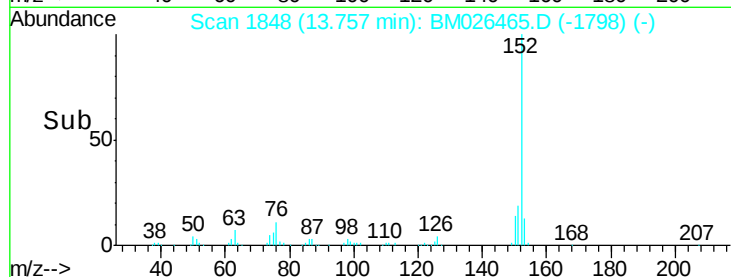
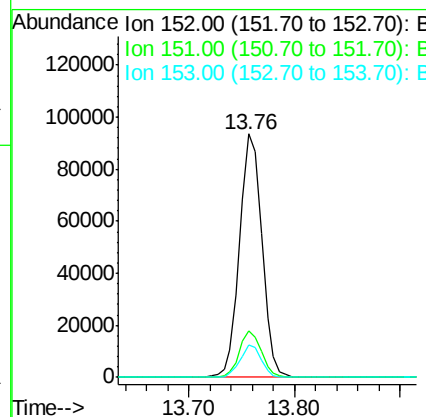
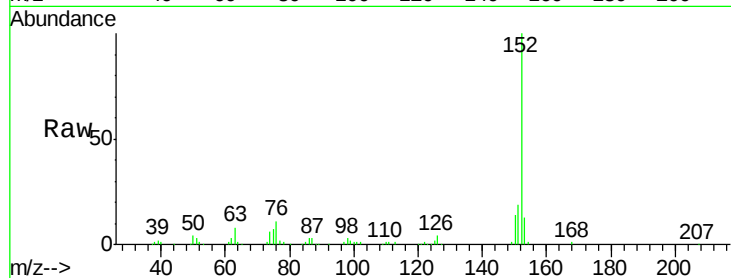
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 136572 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 19.1  | 15.8  | 23.6   |
| 153       | 13.3  | 10.1  | 15.1   |

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#50

Dimethylphthalate

Concen: 5.094 ng

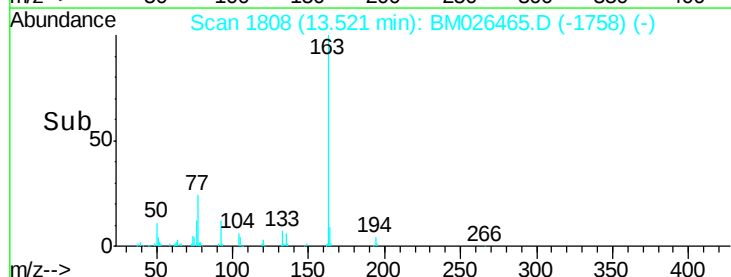
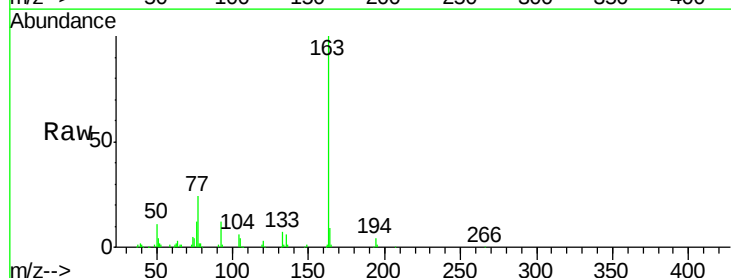
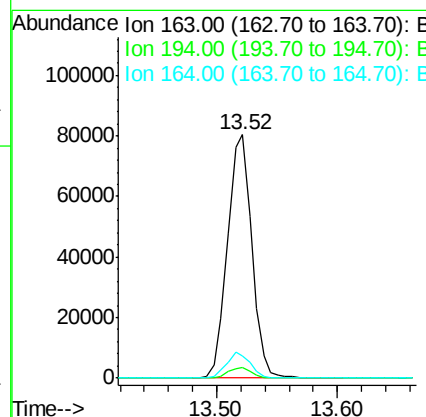
RT: 13.52 min Scan# 1808

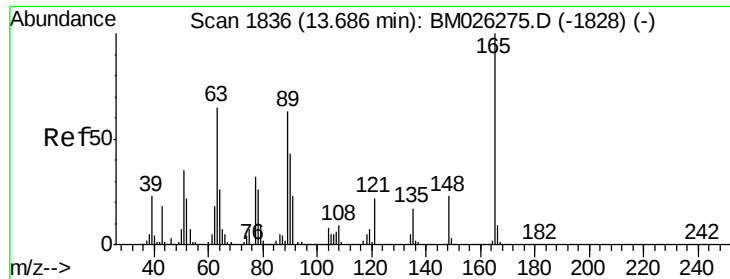
Delta R.T. -0.01 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 111954 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.5   | 3.4   | 5.2    |
| 164       | 9.0   | 7.8   | 11.8   |





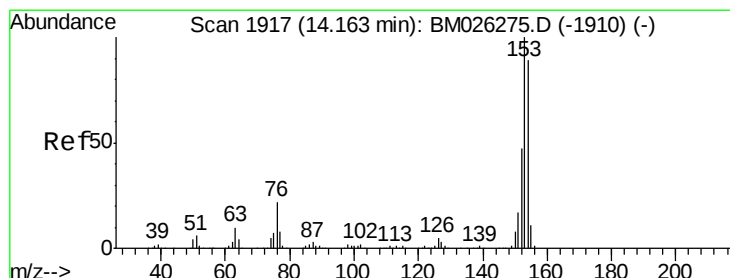
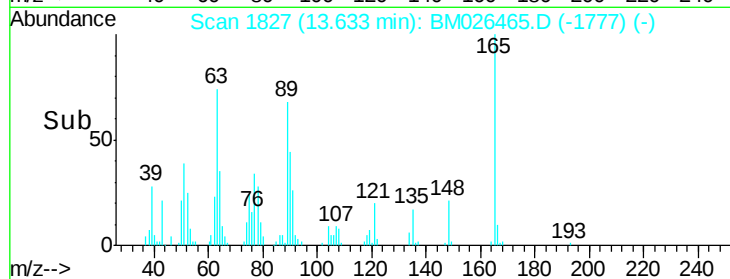
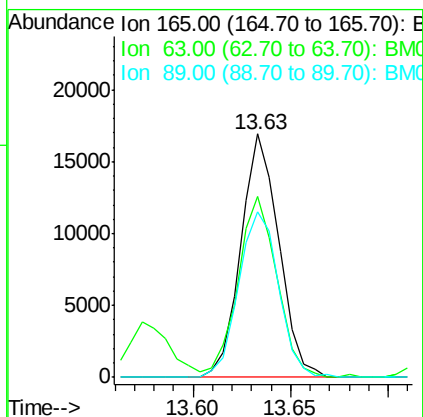
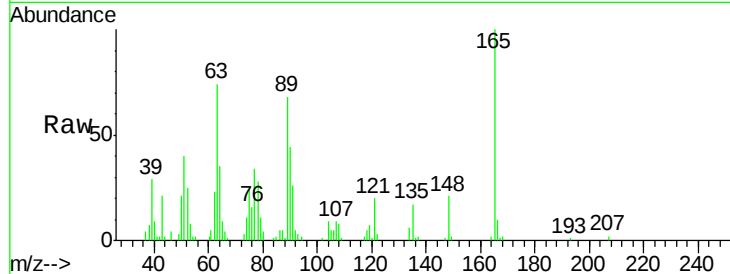
#51  
2,6-Dinitrotoluene  
Concen: 4.722 ng  
RT: 13.63 min Scan# 1827  
Delta R.T. -0.01 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 74.3  | 54.3  | 81.5  |
| 89      | 68.0  | 51.5  | 77.3  |

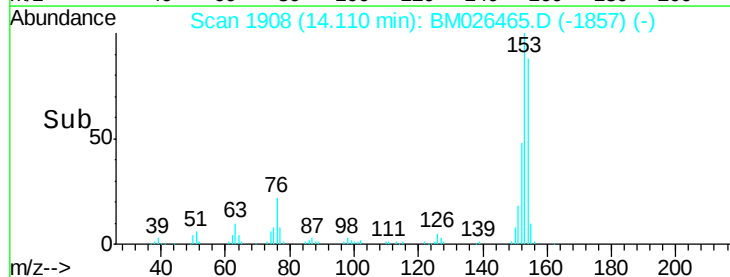
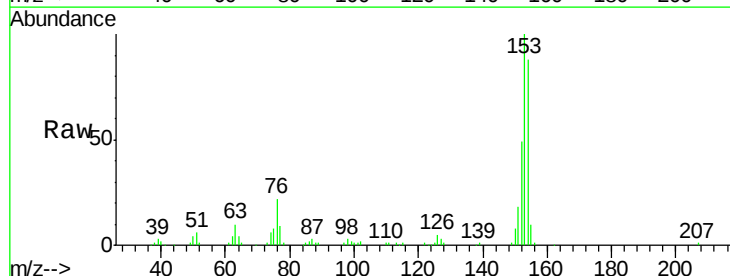
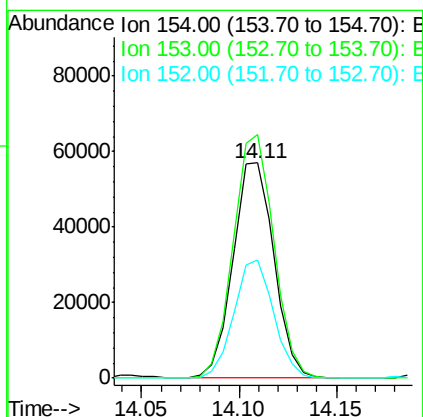
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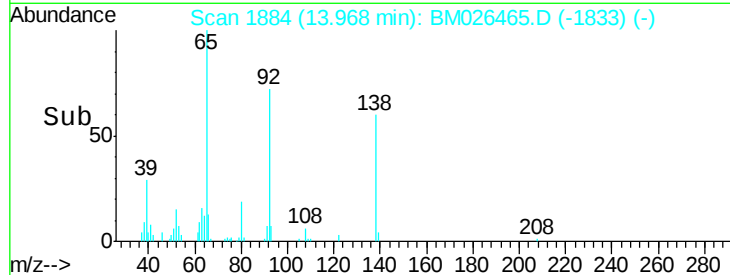
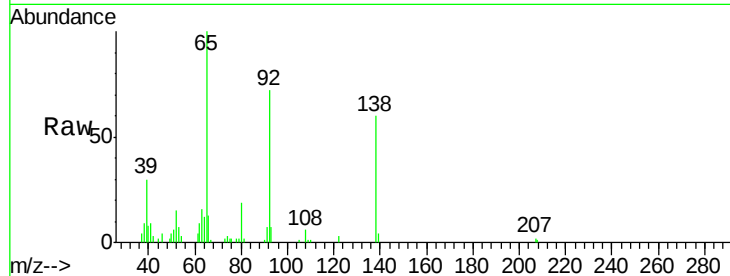
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#52  
Acenaphthene  
Concen: 5.056 ng  
RT: 14.11 min Scan# 1908  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.1 | 88.6  | 132.8 |
| 152     | 55.1  | 42.0  | 63.0  |





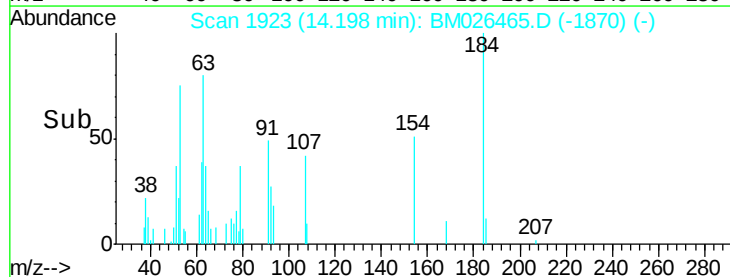
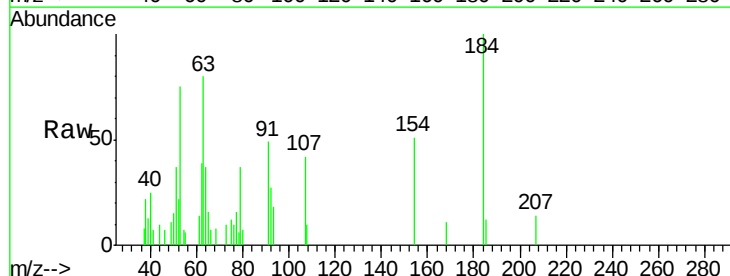
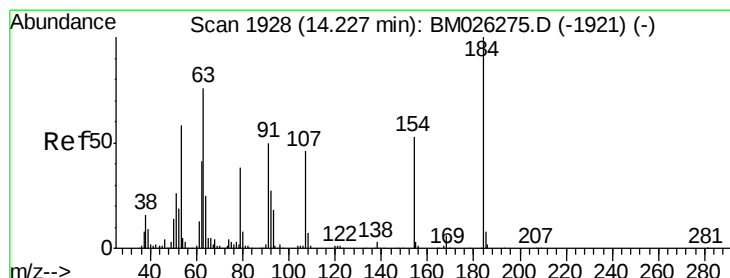
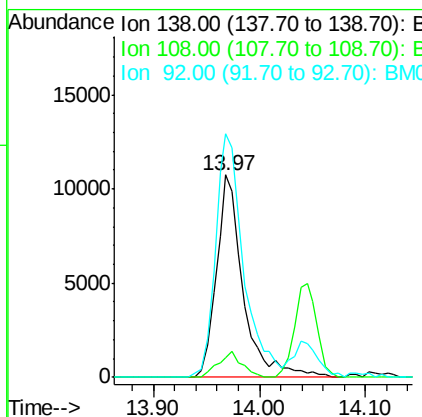
#53  
3-Nitroaniline  
Concen: 3.535 ng  
RT: 13.97 min Scan# 1884  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.9   | 9.4   | 14.0  |
| 92      | 120.4 | 105.4 | 158.2 |

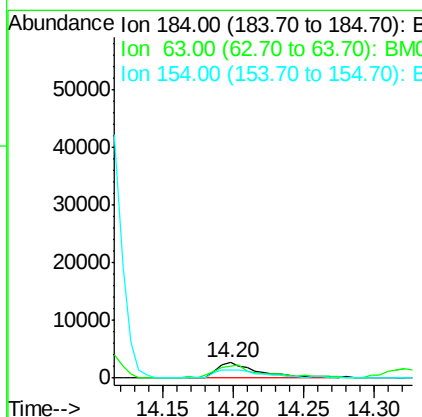
Manual Integrations  
APPROVED

mohammad  
6/22/2020 3:23:15 PM



#54  
2,4-Dinitrophenol  
Concen: 1.895 ng  
RT: 14.20 min Scan# 1923  
Delta R.T. 0.01 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 79.9  | 61.8  | 92.6  |
| 154     | 50.8  | 53.1  | 79.7# |





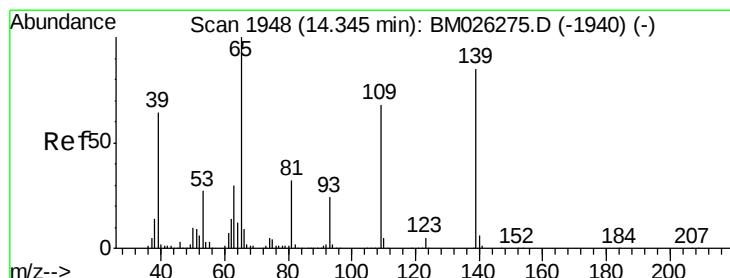
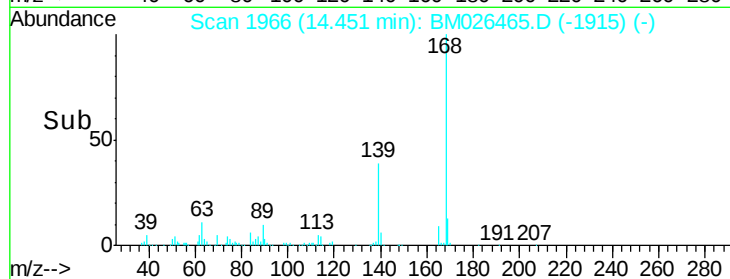
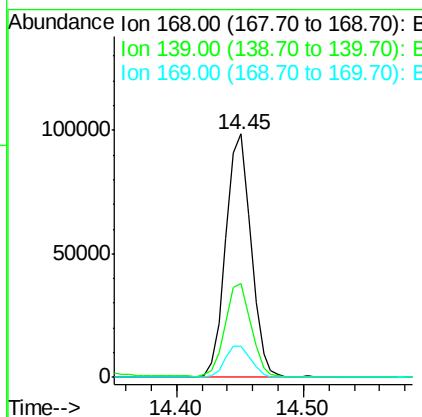
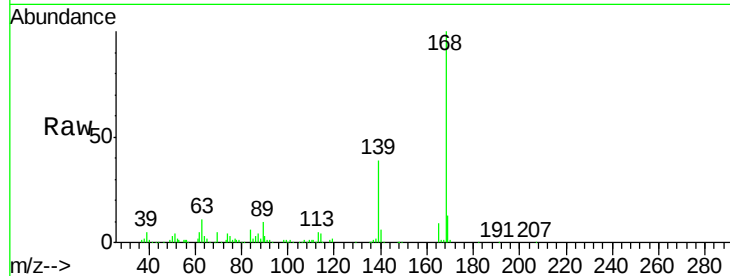
#55  
Dibenzenofuran  
Concen: 5.142 ng  
RT: 14.45 min Scan# 1966  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 136110 |       |       |
| 139     | 38.5  | 31.4   | 47.0  |       |
| 169     | 12.9  | 10.7   | 16.1  |       |

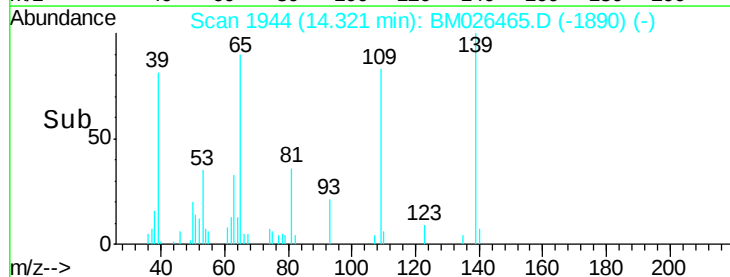
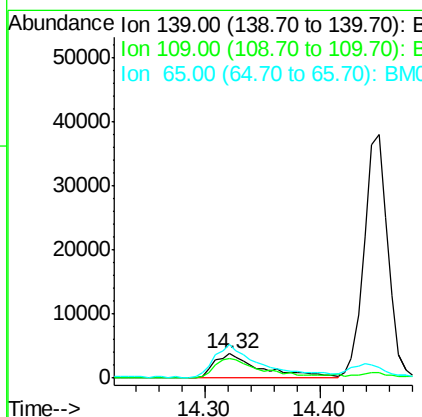
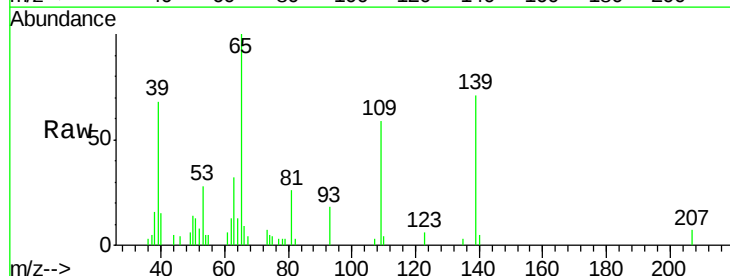
Manual Integrations  
APPROVED

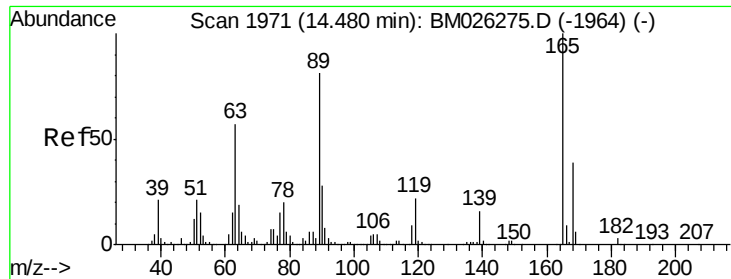
mohammad  
6/22/2020 3:23:15 PM



#56  
4-Nitrophenol  
Concen: 2.572 ng  
RT: 14.32 min Scan# 1944  
Delta R.T. 0.02 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Resp  | Lower  | Upper |
|---------|-------|-------|--------|-------|
| 139     | 100   | 10955 |        |       |
| 109     | 82.9  | 64.9  | 104.9  |       |
| 65      | 140.7 | 98.1  | 138.1# |       |





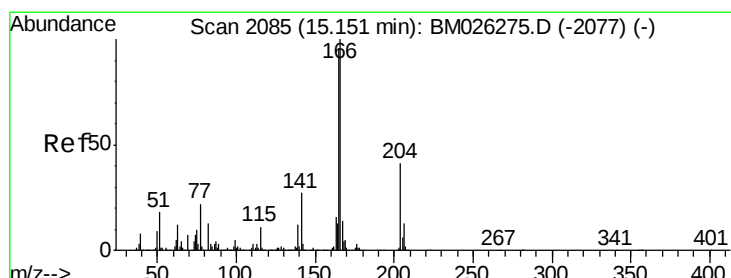
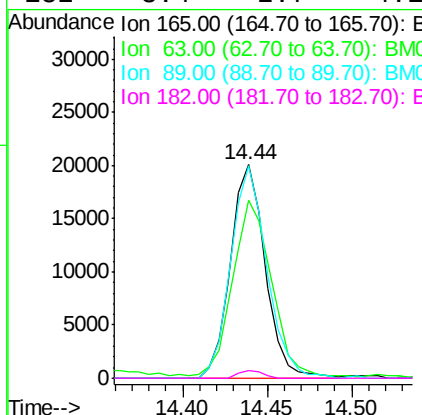
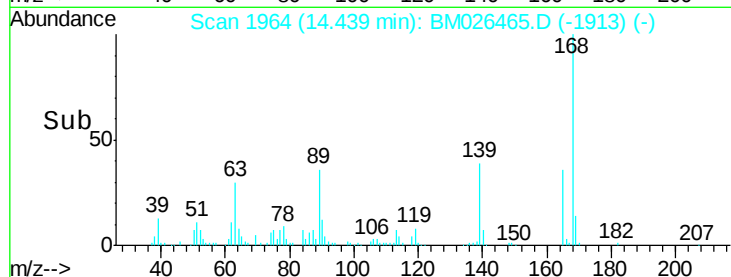
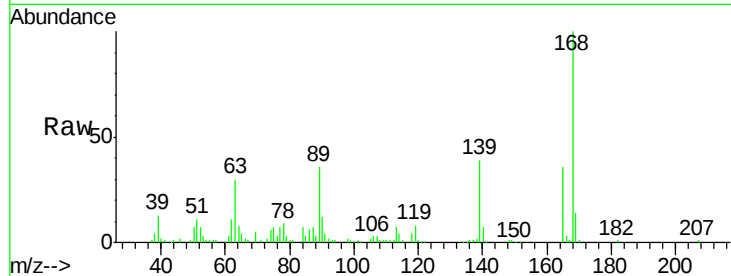
#57  
2,4-Dinitrotoluene  
Concen: 4.300 ng  
RT: 14.44 min Scan# 1964  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 83.6  | 48.1  | 72.1# |
| 89      | 99.6  | 65.6  | 98.4# |
| 182     | 3.4   | 2.7   | 4.1   |

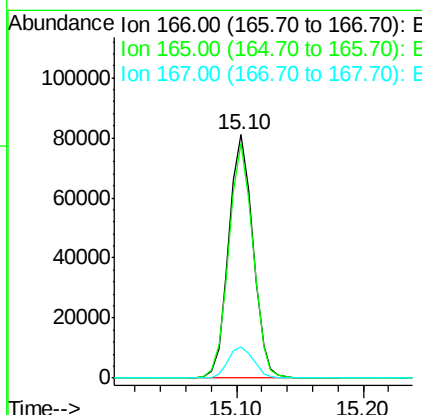
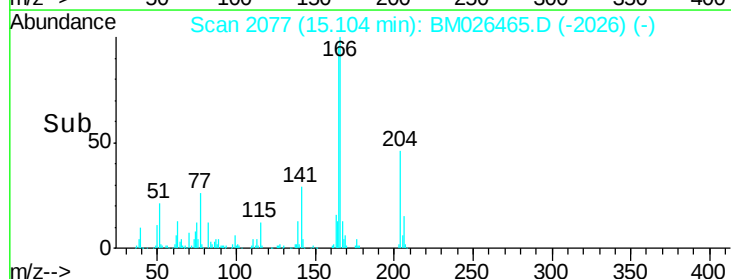
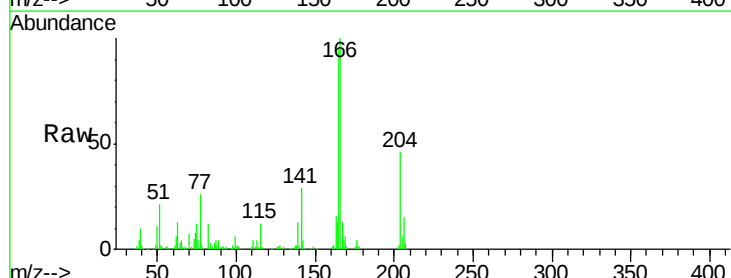
Manual Integrations  
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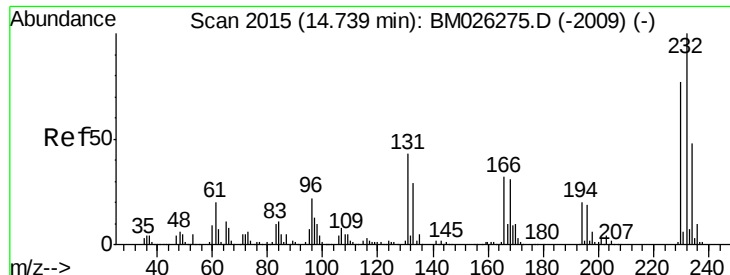
mohammad  
6/22/2020 3:23:15 PM



#58  
Fluorene  
Concen: 4.984 ng  
RT: 15.10 min Scan# 2077  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.3  | 77.5  | 116.3 |
| 167     | 13.0  | 10.9  | 16.3  |





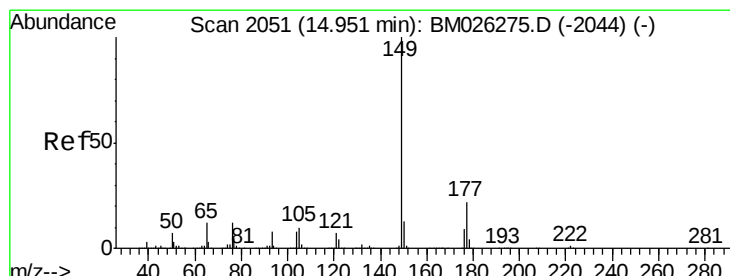
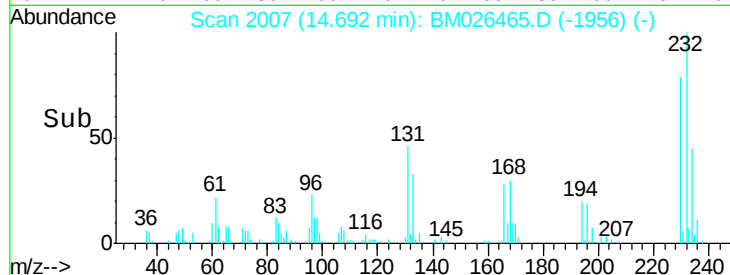
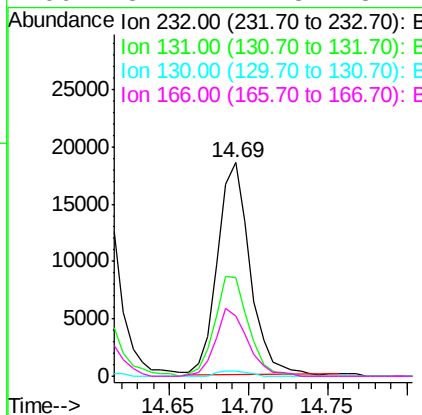
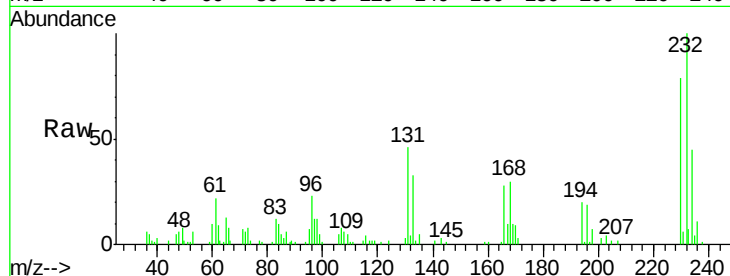
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 4.567 ng  
 RT: 14.69 min Scan# 2007  
 Delta R.T. -0.00 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 48.9  | 36.4  | 54.6  |
| 130     | 2.6   | 2.0   | 3.0   |
| 166     | 31.7  | 24.8  | 37.2  |

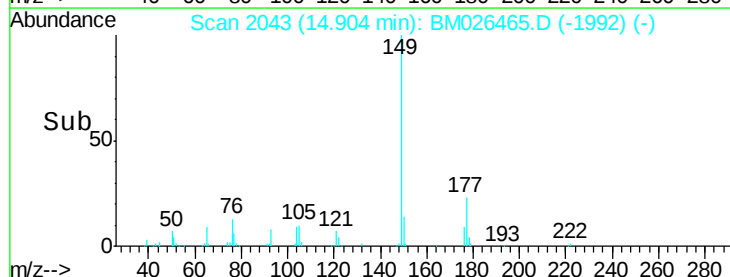
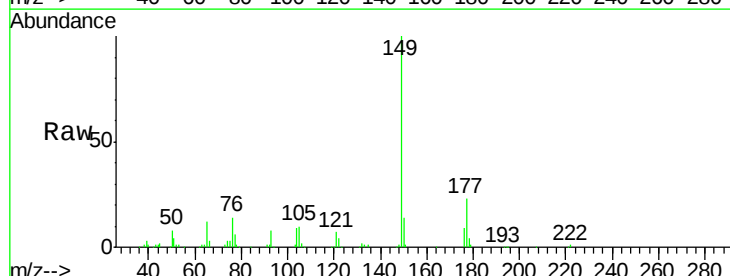
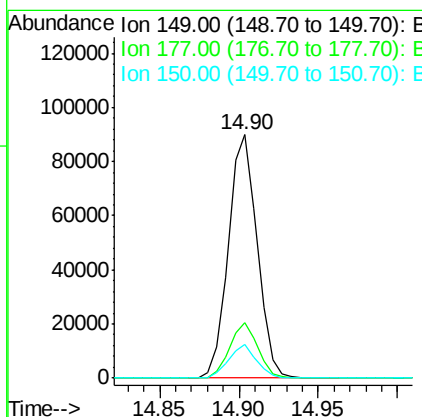
Manual Integrations  
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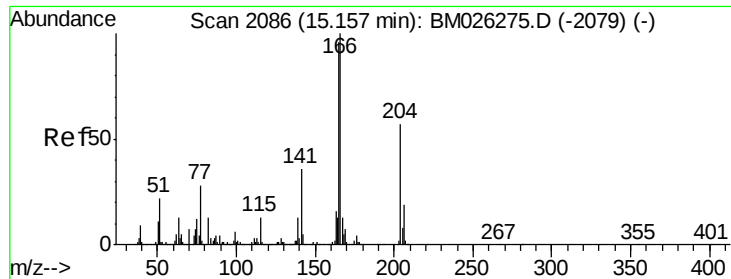
mohammad  
 6/22/2020 3:23:15 PM



#60  
 Diethylphthalate  
 Concen: 5.031 ng  
 RT: 14.90 min Scan# 2043  
 Delta R.T. -0.00 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.9  | 17.6  | 26.4  |
| 150     | 13.6  | 9.9   | 14.9  |





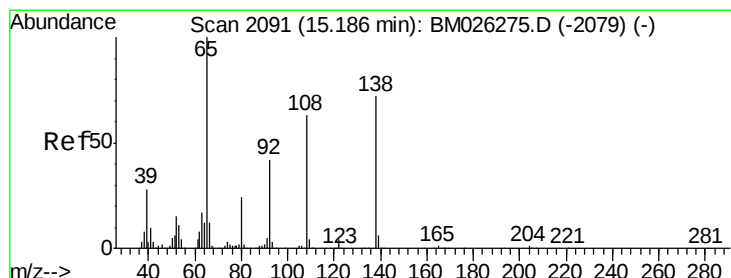
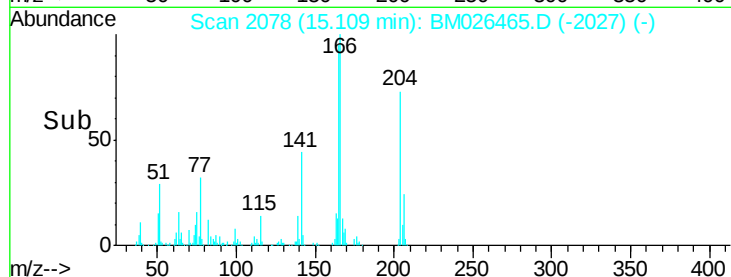
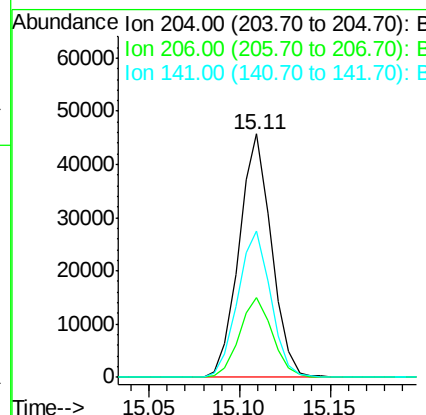
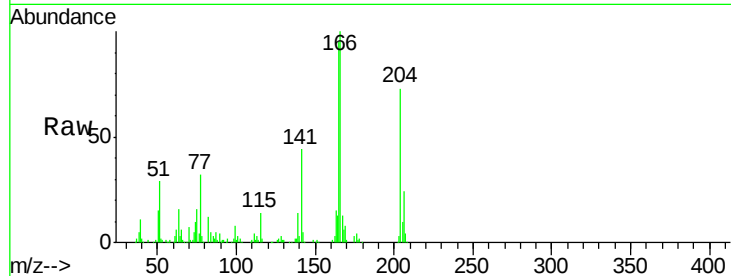
#61  
4-Chlorophenyl-phenylether  
Concen: 4.989 ng  
RT: 15.11 min Scan# 2078  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.5  | 26.6  | 40.0  |
| 141     | 60.0  | 49.4  | 74.2  |

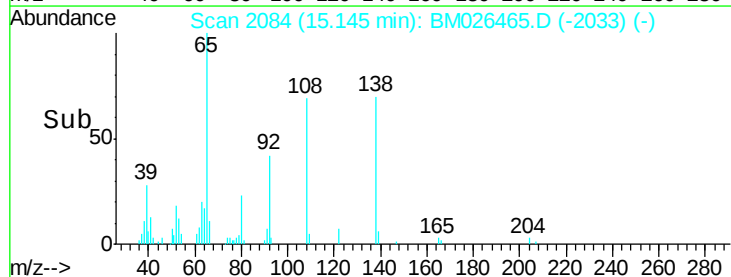
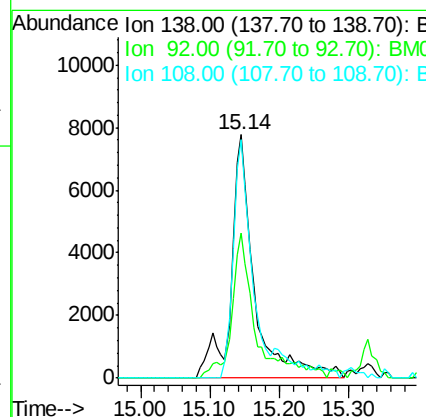
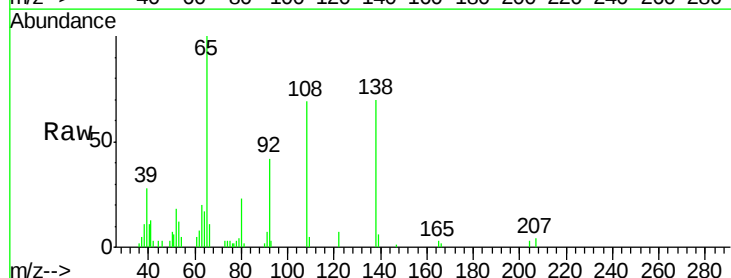
Manual Integrations  
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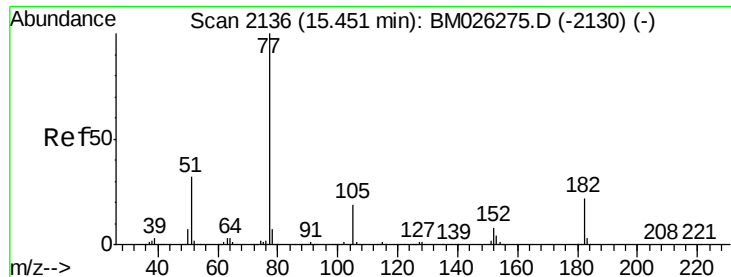
mohammad  
6/22/2020 3:23:15 PM



#62  
4-Nitroaniline  
Concen: 3.229 ng m  
RT: 15.14 min Scan# 2084  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 59.4  | 37.5  | 77.5  |
| 108     | 97.9  | 66.3  | 106.3 |





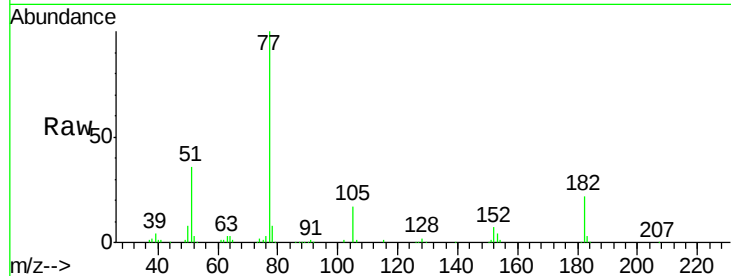
#63  
Azobenzene  
Concen: 5.054 ng  
RT: 15.40 min Scan# 2128  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 22.4  | 2.1   | 42.1  |
| 105     | 17.3  | 0.0   | 38.3  |
| 51      | 35.6  | 13.5  | 53.5  |

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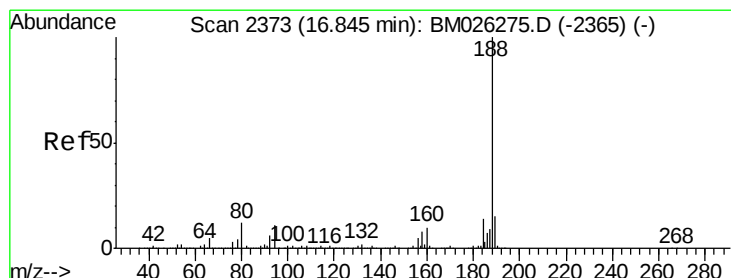
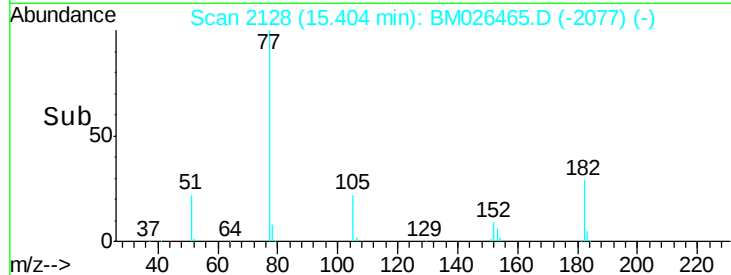
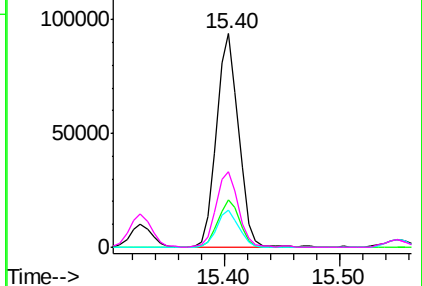
Abundance

Ion 77.00 (76.70 to 77.70): BM026275.D (-2130) (-)

Ion 182.00 (181.70 to 182.70): BM026275.D (-2130) (-)

Ion 105.00 (104.70 to 105.70): BM026275.D (-2130) (-)

Ion 51.00 (50.70 to 51.70): BM026275.D (-2130) (-)



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.80 min Scan# 2365  
Delta R.T. -0.01 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

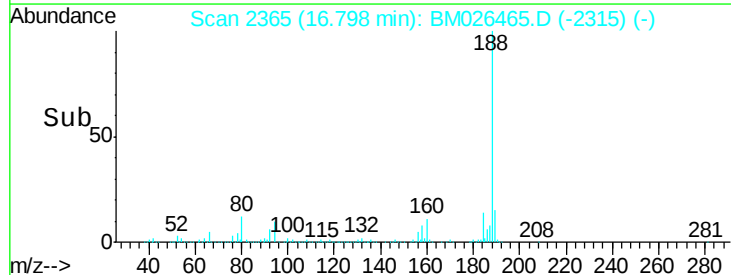
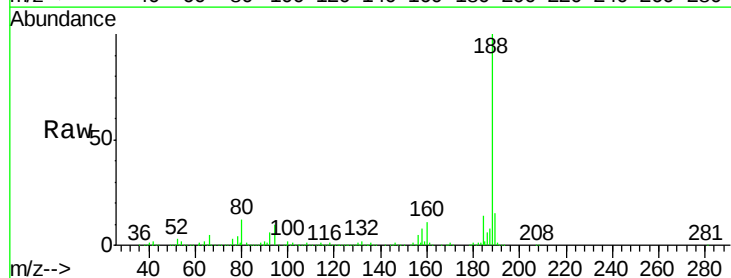
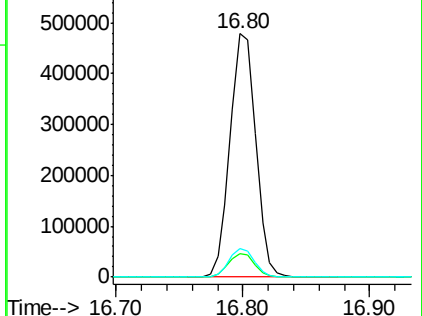
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.9   | 7.8   | 11.6  |
| 80      | 11.8  | 9.5   | 14.3  |

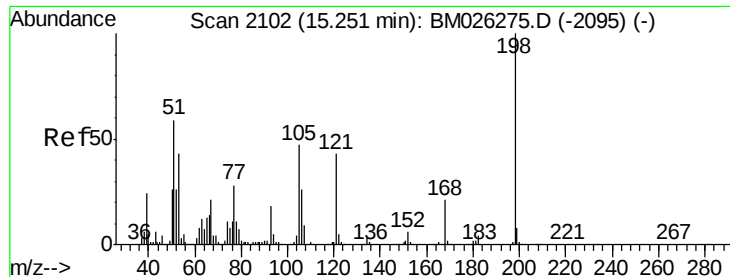
Abundance

Ion 188.00 (187.70 to 188.70): BM026275.D (-2365) (-)

Ion 94.00 (93.70 to 94.70): BM026275.D (-2365) (-)

Ion 80.00 (79.70 to 80.70): BM026275.D (-2365) (-)





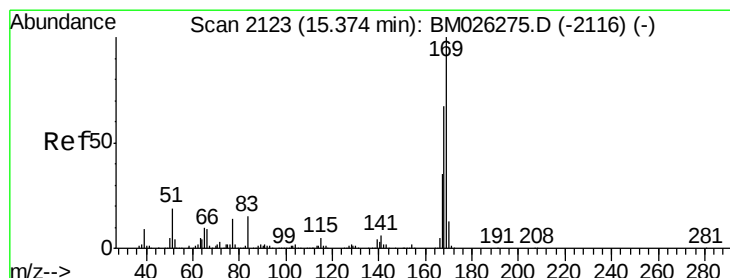
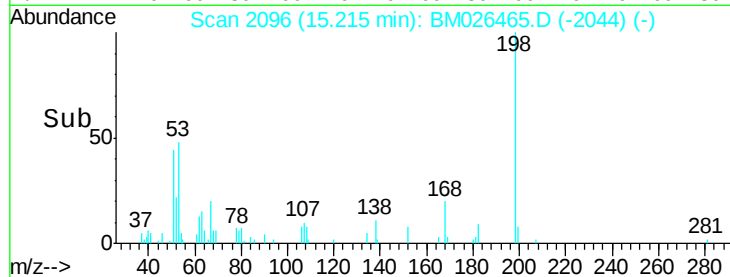
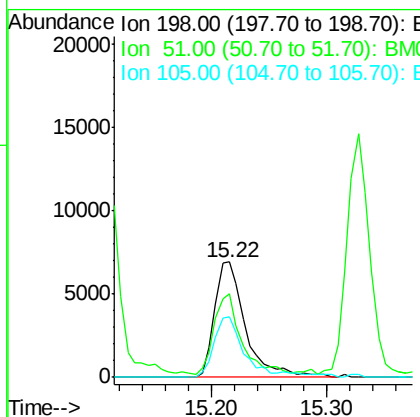
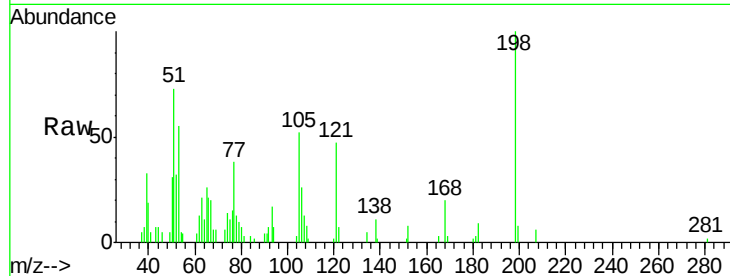
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 3.148 ng  
 RT: 15.22 min Scan# 2096  
 Delta R.T. 0.01 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 12865 |       |       |
| 51      | 72.9  | 35.6  | 75.6  |       |
| 105     | 52.3  | 24.3  | 64.3  |       |

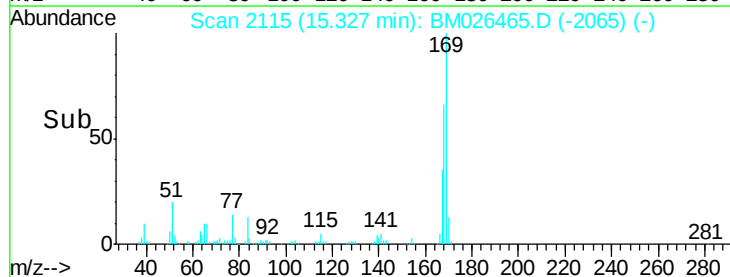
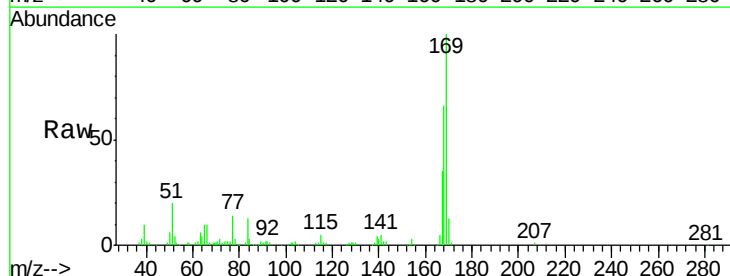
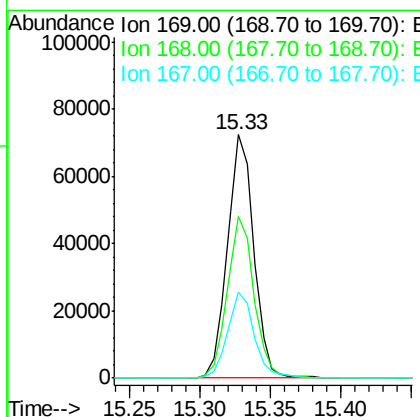
Manual Integrations  
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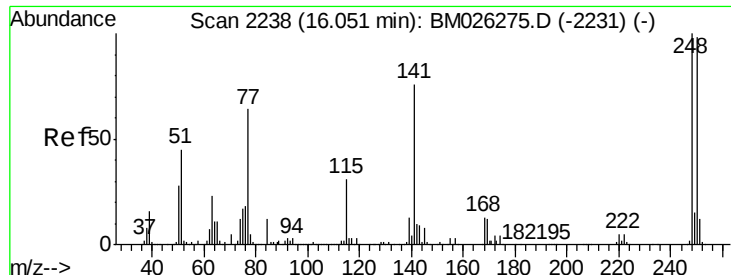
mohammad  
 6/22/2020 3:23:15 PM



#66  
 n-Nitrosodiphenylamine  
 Concen: 4.829 ng  
 RT: 15.33 min Scan# 2115  
 Delta R.T. -0.01 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 169     | 100   | 94009 |       |       |
| 168     | 66.2  | 51.6  | 77.4  |       |
| 167     | 35.2  | 28.2  | 42.4  |       |





#67

4-Bromophenyl-phenylether

Concen: 4.675 ng

RT: 16.00 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

Instrument :

BNA\_M

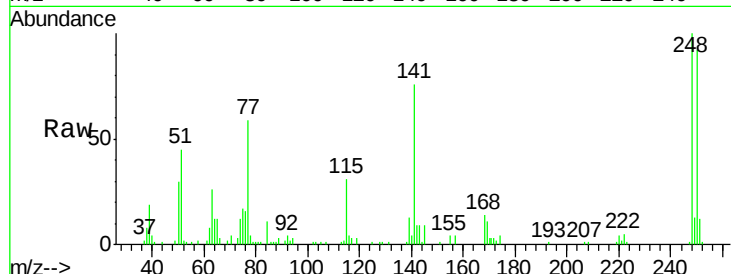
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

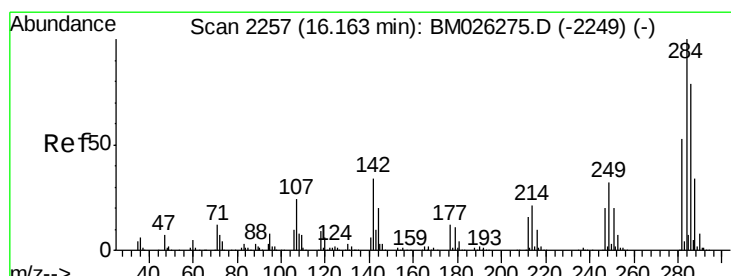
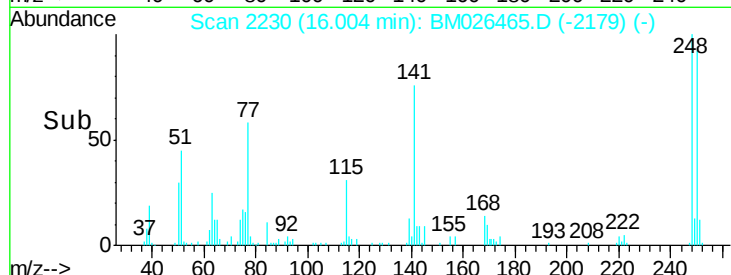
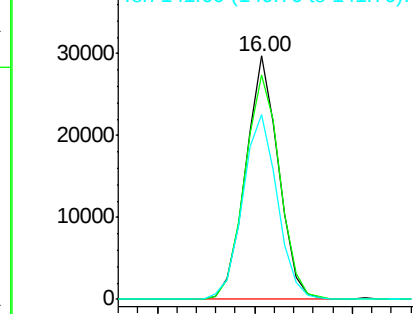
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 248   | Resp: | 34582 |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 92.2  | 78.4  | 117.6 |
| 141       | 75.6  | 60.6  | 91.0  |

Manual Integrations  
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6/22/2020 3:23:15 PM



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: 5.079 ng

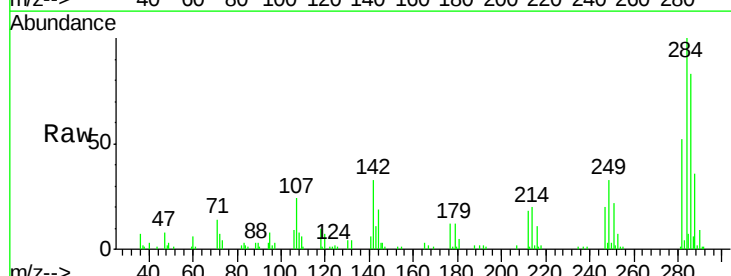
RT: 16.12 min Scan# 2249

Delta R.T. -0.00 min

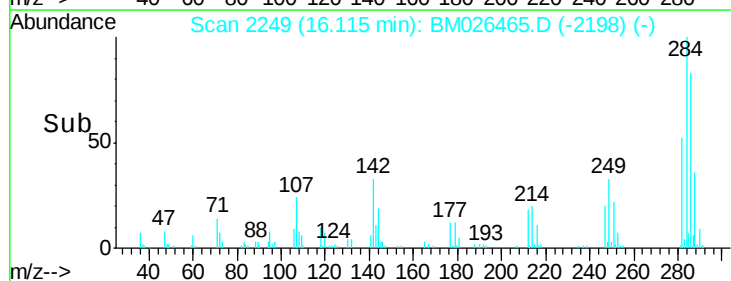
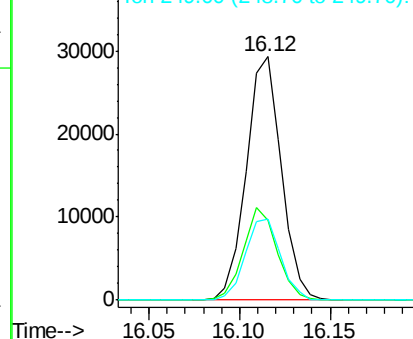
Lab File: BM026465.D

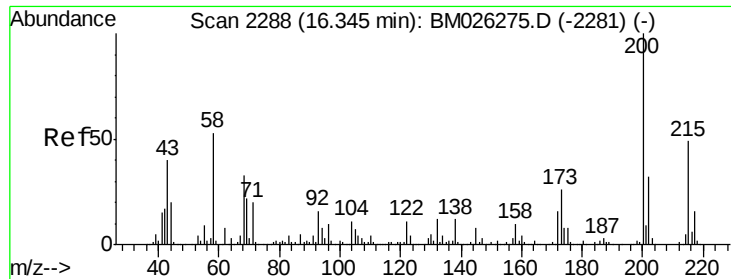
Acq: 19 Jun 2020 11:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 284   | Resp: | 39207 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 32.5  | 29.1  | 43.7  |
| 249       | 33.3  | 27.2  | 40.8  |



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





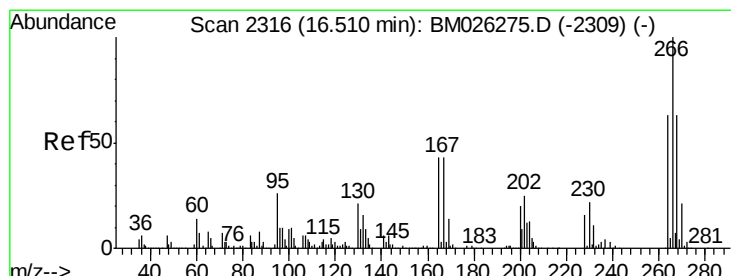
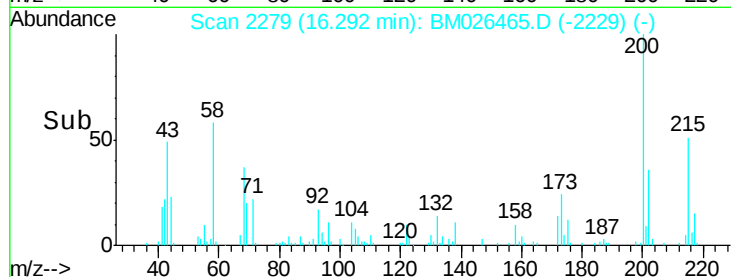
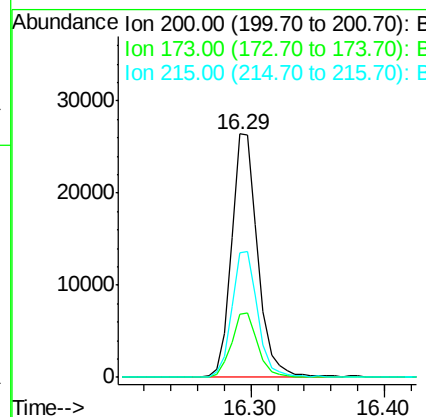
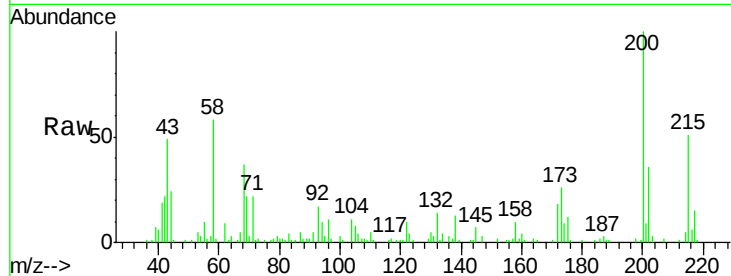
#69  
 Atrazine  
 Concen: 6.290 ng  
 RT: 16.29 min Scan# 2279  
 Delta R.T. -0.01 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.8  | 6.6   | 46.6  |
| 215     | 51.2  | 29.8  | 69.8  |

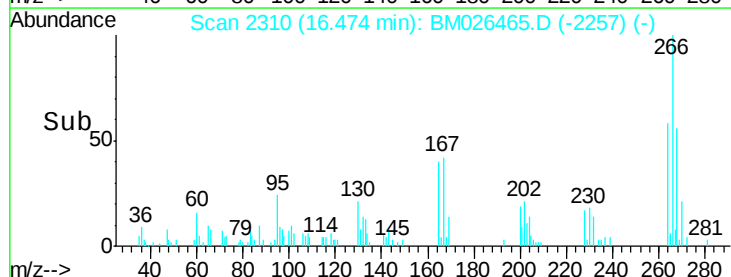
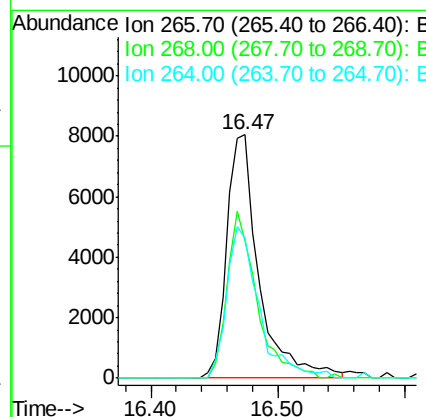
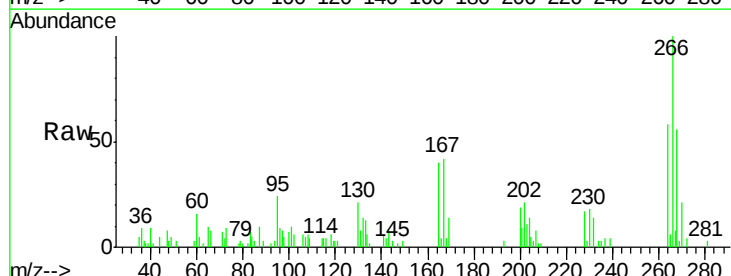
Manual Integrations  
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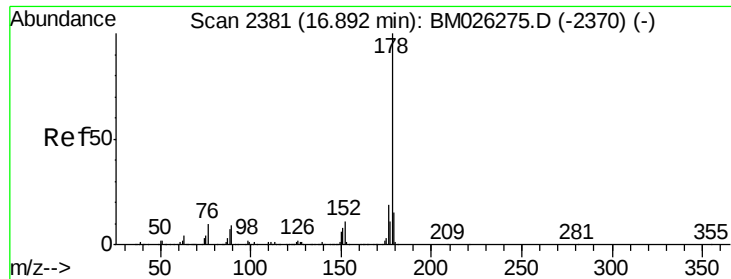
mohammad  
 6/22/2020 3:23:15 PM



#70  
 Pentachlorophenol  
 Concen: 3.046 ng  
 RT: 16.47 min Scan# 2310  
 Delta R.T. 0.01 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 59.3  | 50.2  | 75.4  |
| 264     | 63.0  | 50.6  | 75.8  |





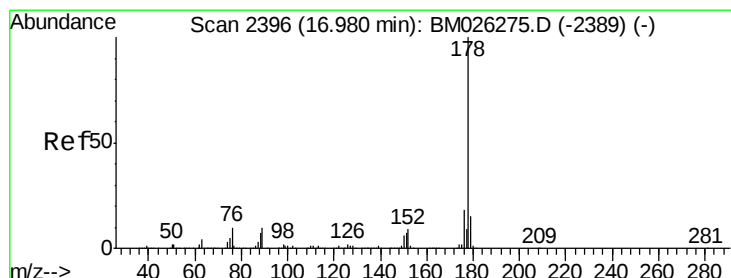
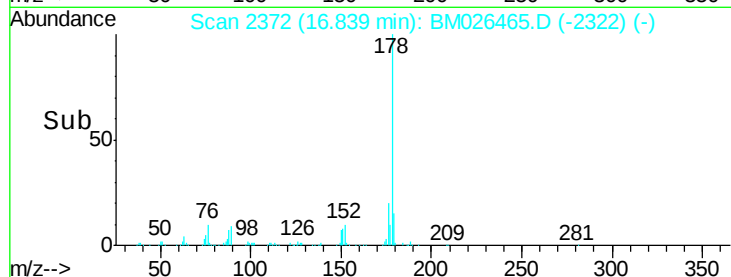
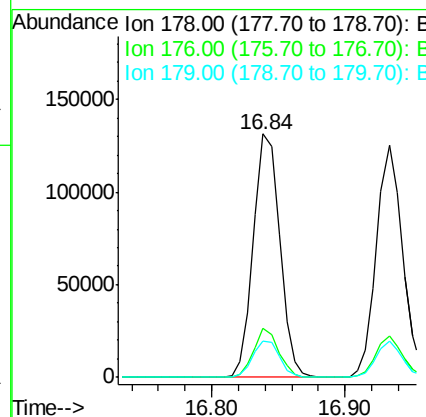
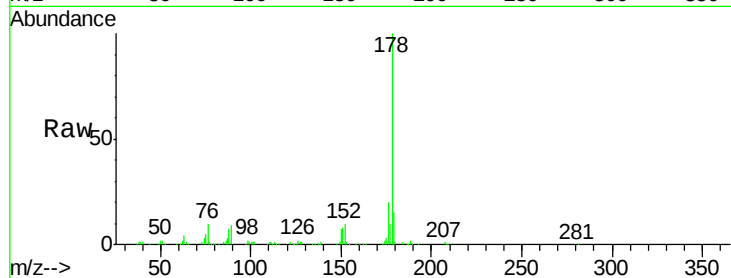
#71  
Phenanthrene  
Concen: 5.130 ng  
RT: 16.84 min Scan# 2372  
Delta R.T. -0.01 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.0  | 15.1  | 22.7  |
| 179     | 14.8  | 12.3  | 18.5  |

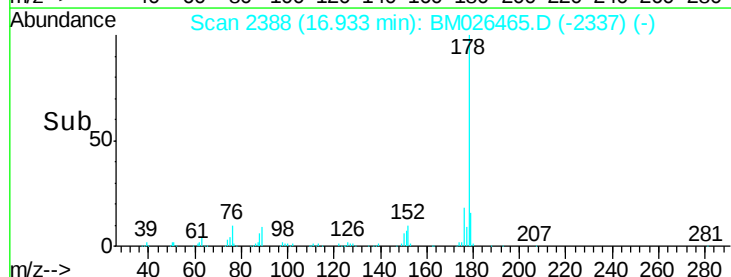
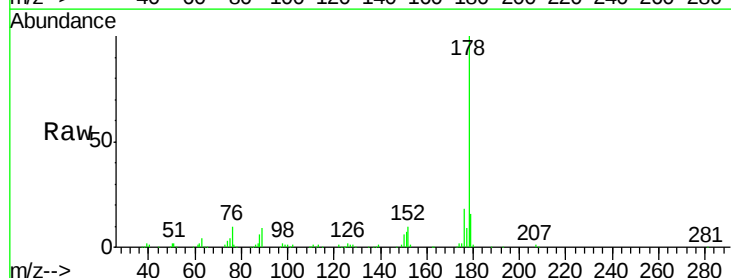
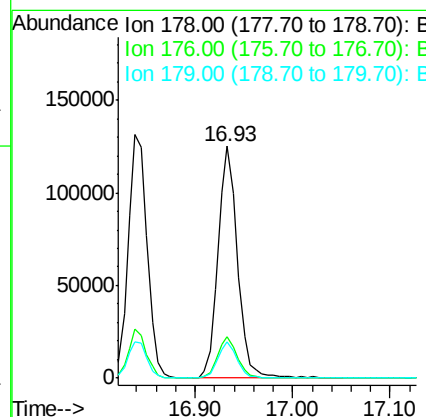
Manual Integrations  
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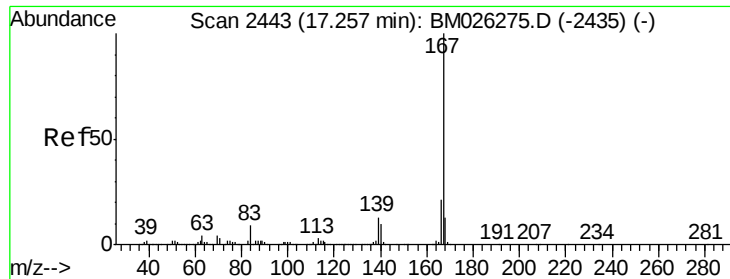
mohammad  
6/22/2020 3:23:15 PM



#72  
Anthracene  
Concen: 4.937 ng  
RT: 16.93 min Scan# 2388  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.0  | 14.5  | 21.7  |
| 179     | 15.5  | 12.3  | 18.5  |





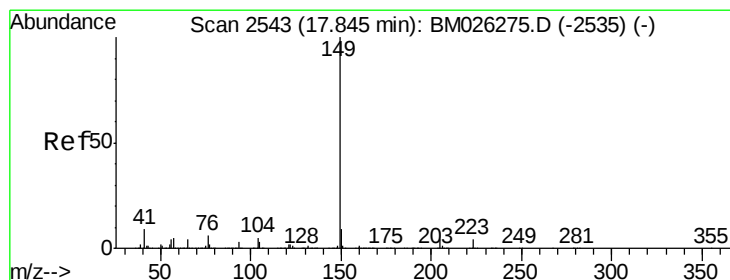
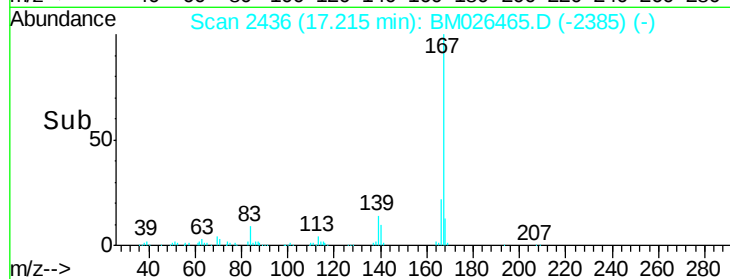
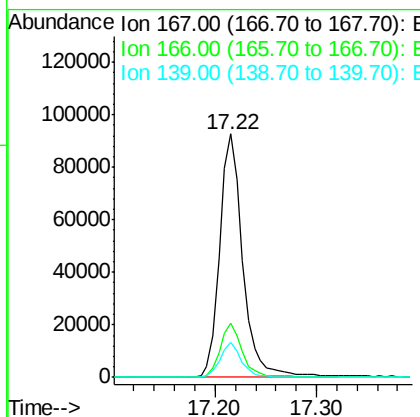
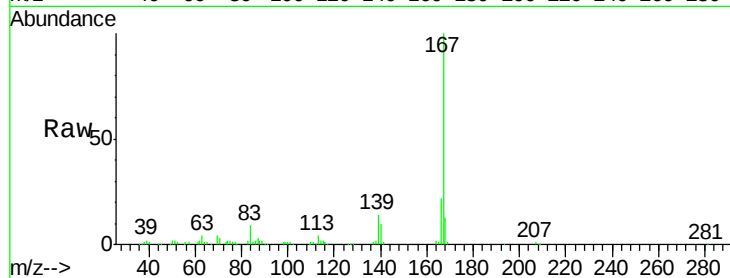
#73  
 Carbazole  
 Concen: 4.450 ng  
 RT: 17.22 min Scan# 2436  
 Delta R.T. -0.00 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.5  | 16.9  | 25.3  |
| 139     | 14.2  | 10.2  | 15.4  |

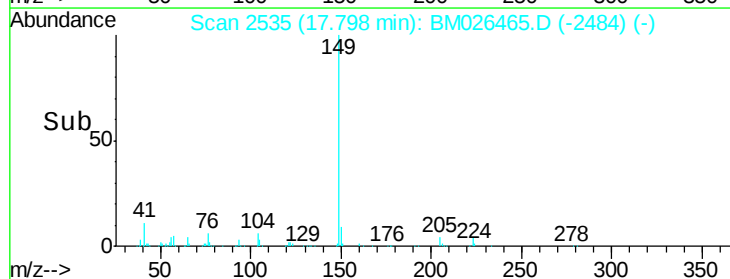
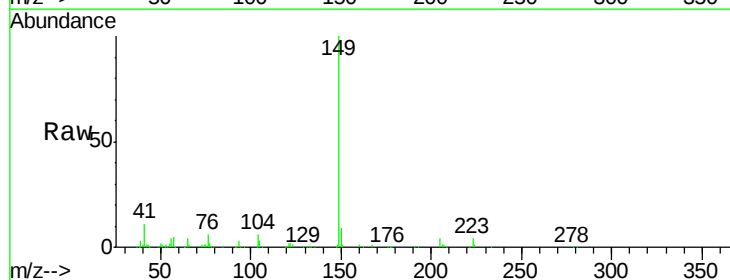
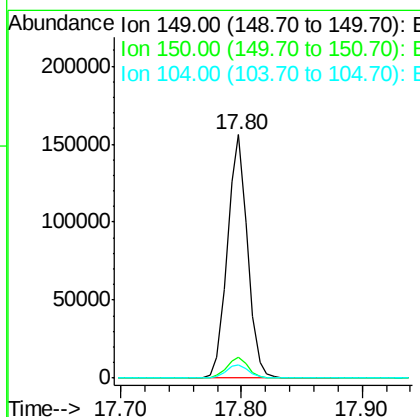
Manual Integrations  
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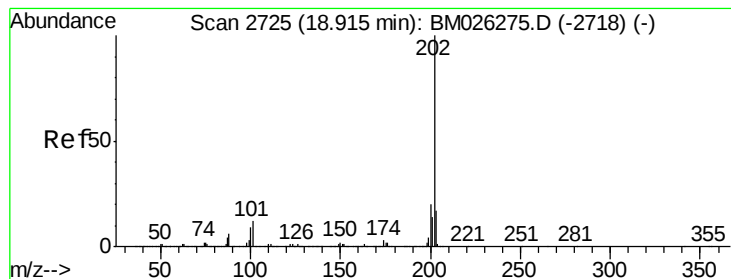
mohammad  
 6/22/2020 3:23:15 PM



#74  
 Di-n-butylphthalate  
 Concen: 4.610 ng  
 RT: 17.80 min Scan# 2535  
 Delta R.T. -0.00 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 8.7   | 7.1   | 10.7  |
| 104     | 5.6   | 4.2   | 6.2   |





#75

Fluoranthene

Concen: 5.157 ng

RT: 18.87 min Scan# 2717

Delta R.T. -0.01 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

Instrument :

BNA\_M

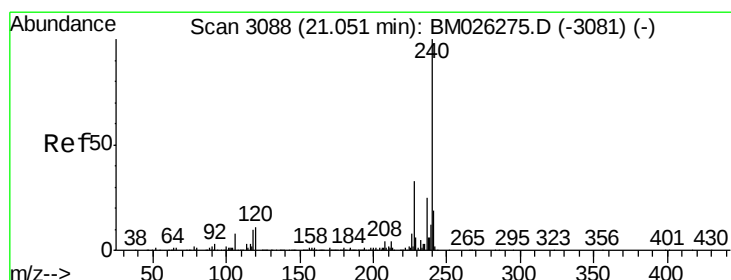
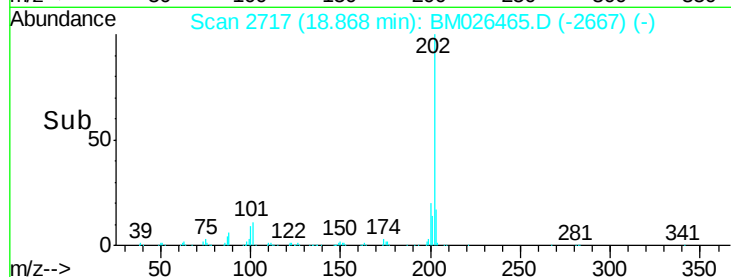
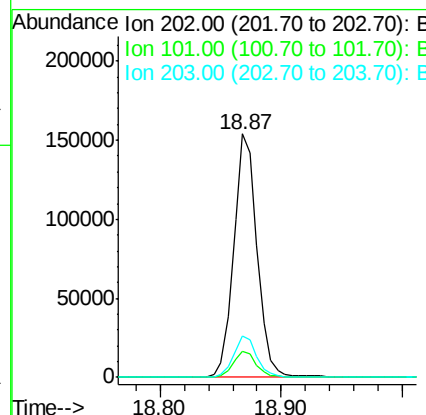
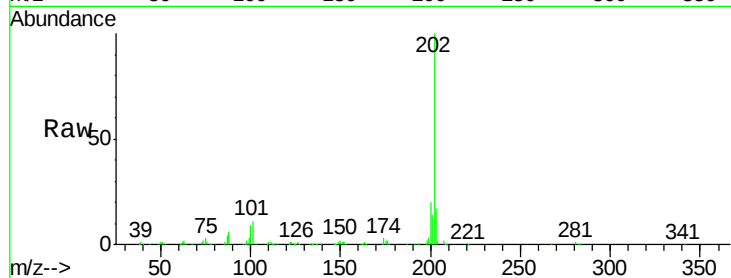
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 10.7  | 0.0        | 31.9  |
| 203     | 17.2  | 0.0        | 37.5  |

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#76

Chrysene-d12

Concen: 20.000 ng

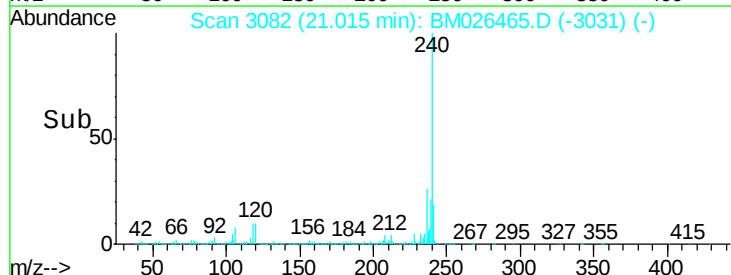
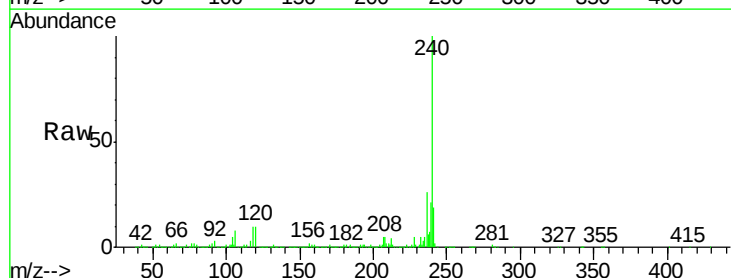
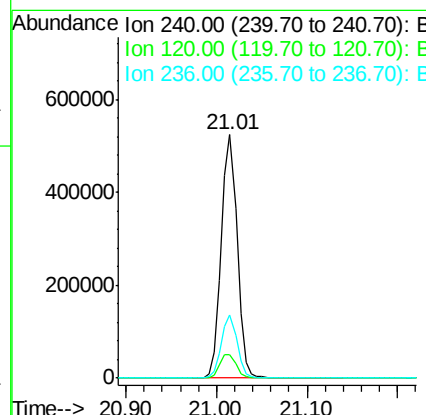
RT: 21.01 min Scan# 3082

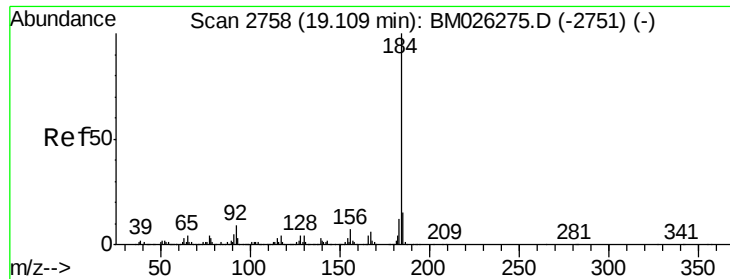
Delta R.T. -0.00 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 9.8   | 9.3        | 13.9  |
| 236     | 25.7  | 19.4       | 29.0  |





#77

Benzidine

Concen: 4.262 ng

RT: 19.07 min Scan# 2752

Delta R.T. -0.00 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

Instrument :

BNA\_M

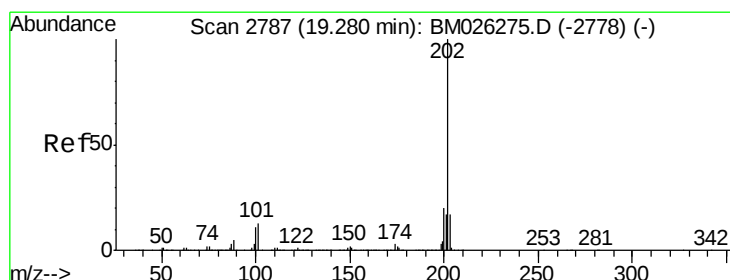
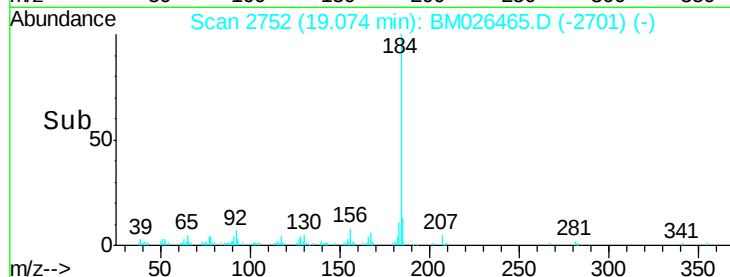
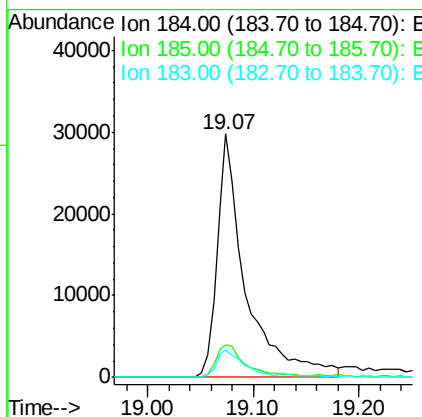
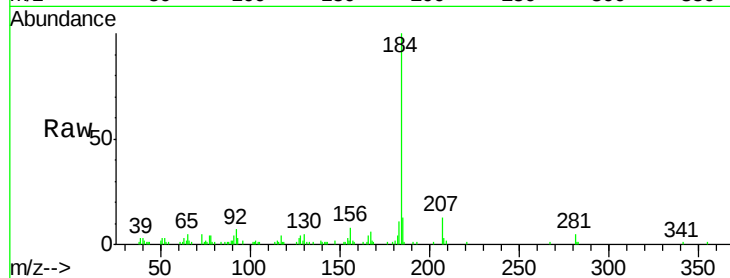
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 56405 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 13.4  | 11.2  | 16.8  |
| 183       | 11.4  | 9.4   | 14.2  |

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#78

Pyrene

Concen: 5.117 ng

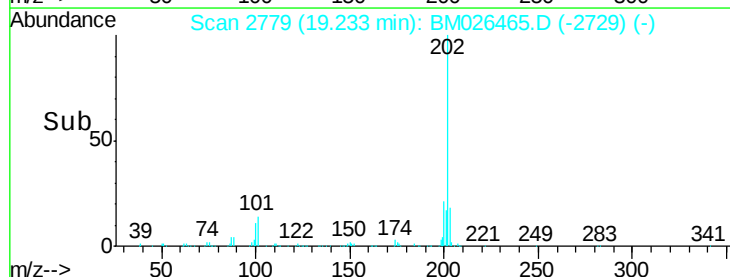
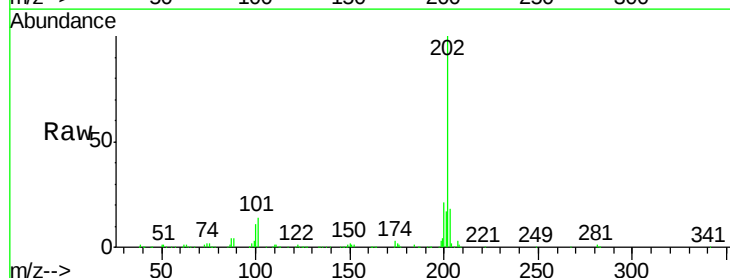
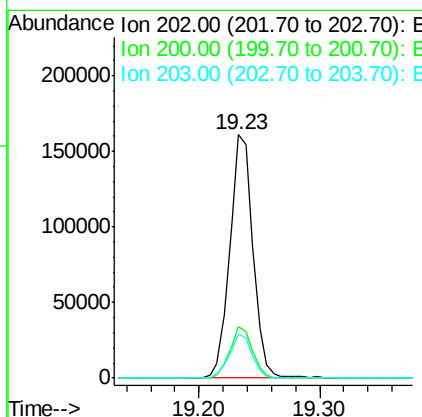
RT: 19.23 min Scan# 2779

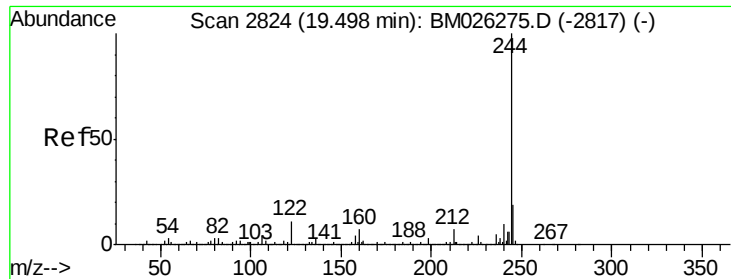
Delta R.T. -0.01 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 215393 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.0  | 16.3  | 24.5   |
| 203       | 17.9  | 13.8  | 20.6   |





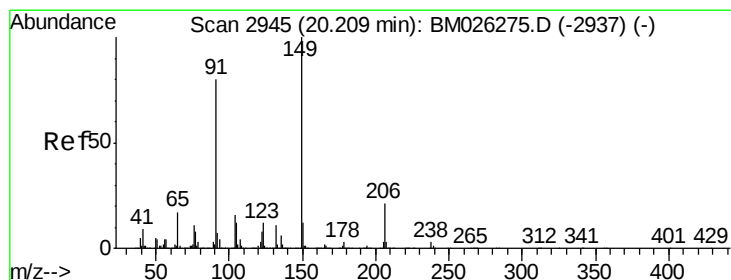
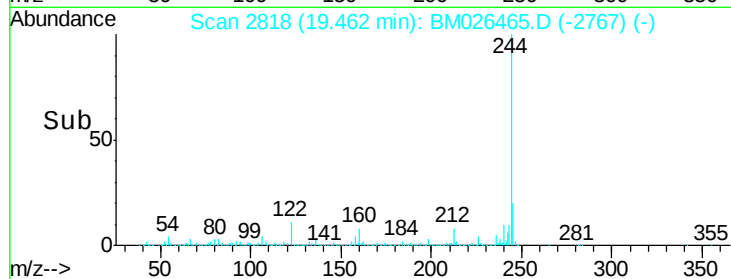
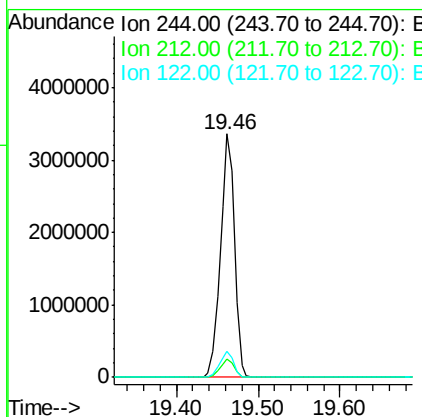
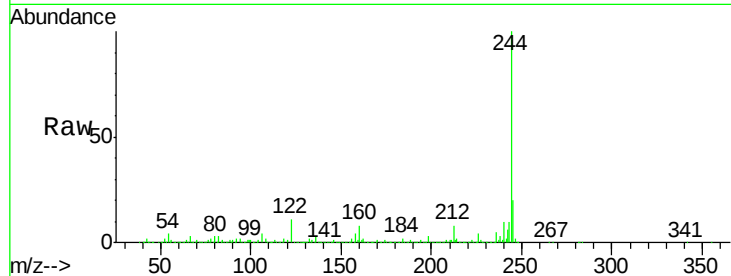
#79  
 Terphenyl-d14  
 Concen: 122.447 ng  
 RT: 19.46 min Scan# 2818  
 Delta R.T. -0.00 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion:244 Resp: 4018738  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 5.9 8.9  
 122 10.9 8.6 13.0

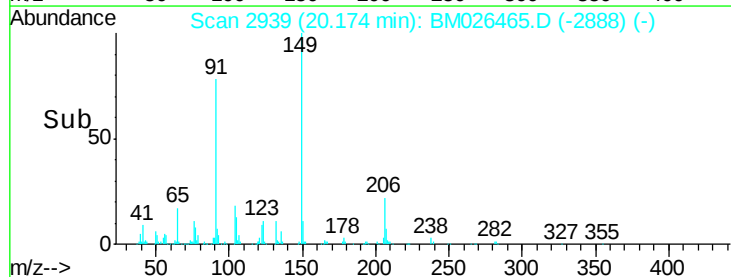
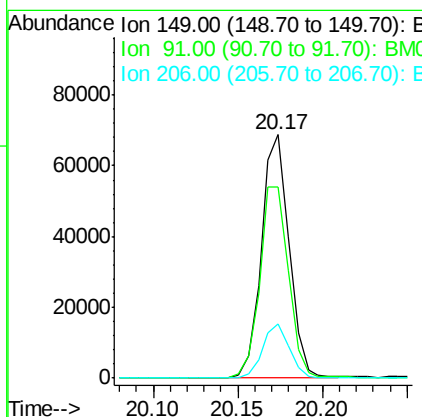
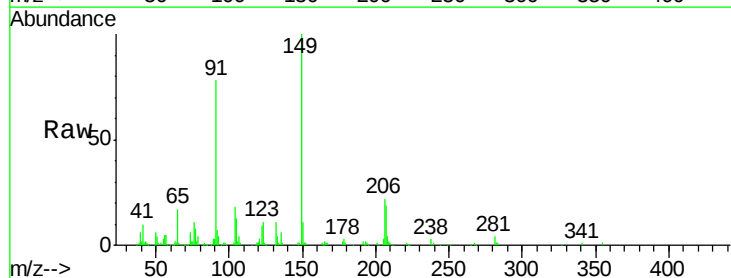
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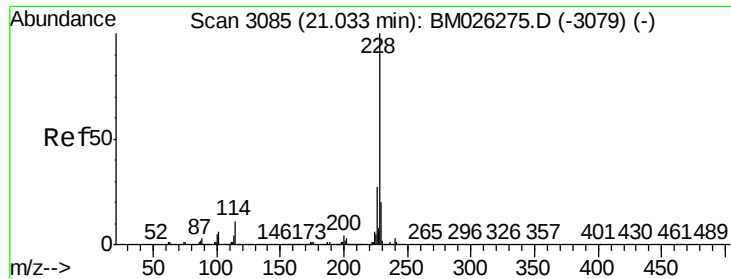
mohammad  
 6/22/2020 3:23:15 PM



#80  
 Butylbenzylphthalate  
 Concen: 4.584 ng  
 RT: 20.17 min Scan# 2939  
 Delta R.T. -0.00 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

Tgt Ion:149 Resp: 78027  
 Ion Ratio Lower Upper  
 149 100  
 91 78.4 64.6 97.0  
 206 22.1 17.6 26.4





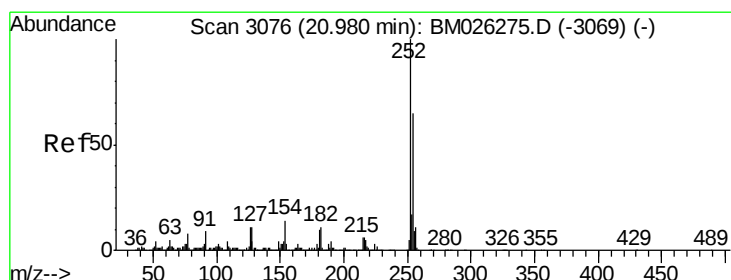
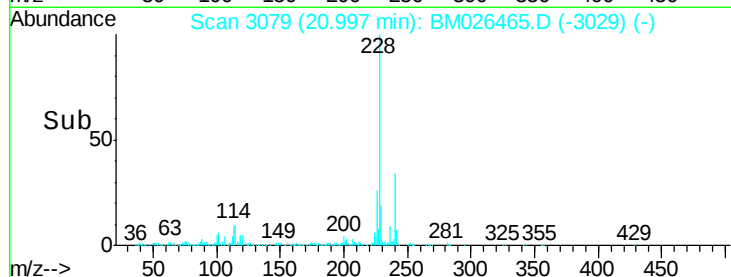
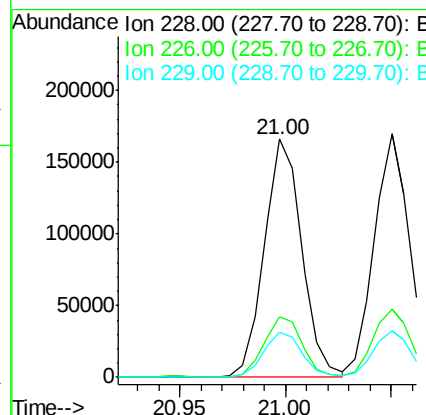
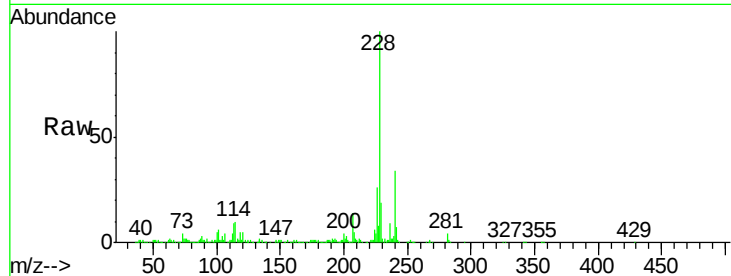
#81  
Benzo(a)anthracene  
Concen: 5.380 ng  
RT: 21.00 min Scan# 3079  
Delta R.T. -0.01 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 25.6  | 21.1  | 31.7  |
| 229     | 18.8  | 15.7  | 23.5  |

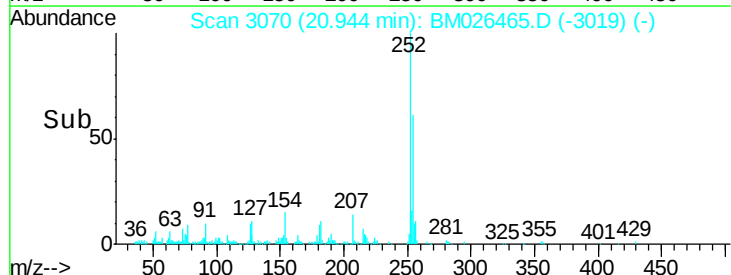
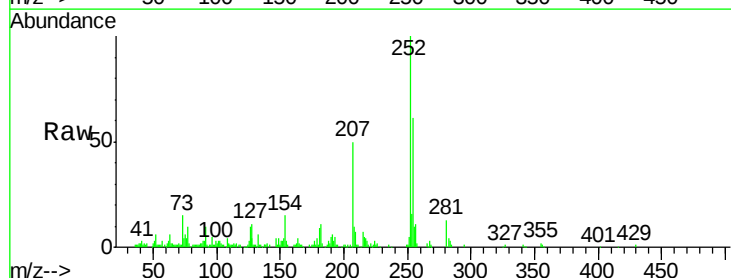
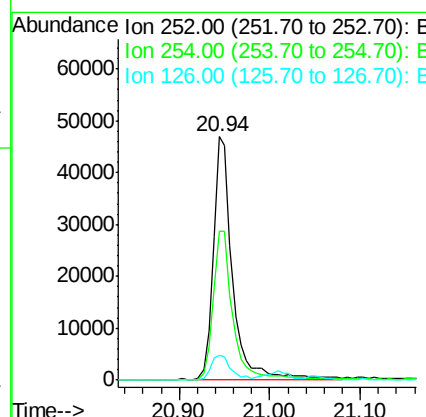
Manual Integrations  
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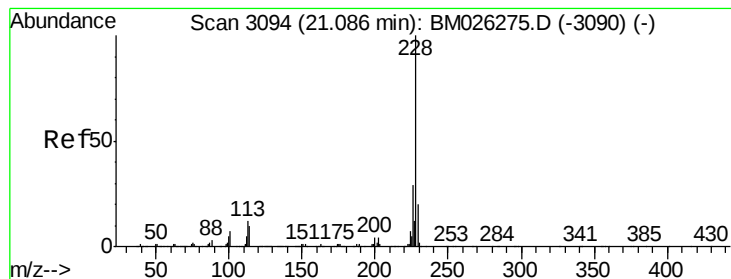
mohammad  
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#82  
3,3'-Dichlorobenzidine  
Concen: 5.928 ng  
RT: 20.94 min Scan# 3070  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 61.1  | 51.0  | 76.6  |
| 126     | 10.0  | 9.2   | 13.8  |





#83

Chrysene

Concen: 5.542 ng

RT: 21.05 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

Instrument :

BNA\_M

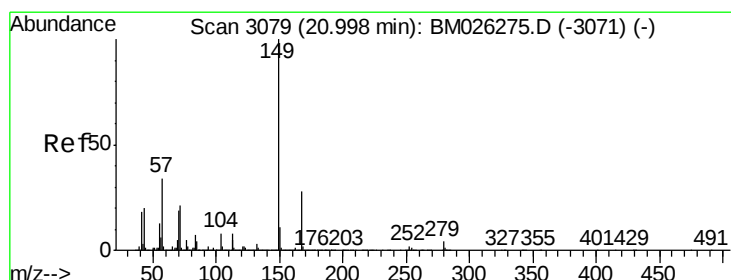
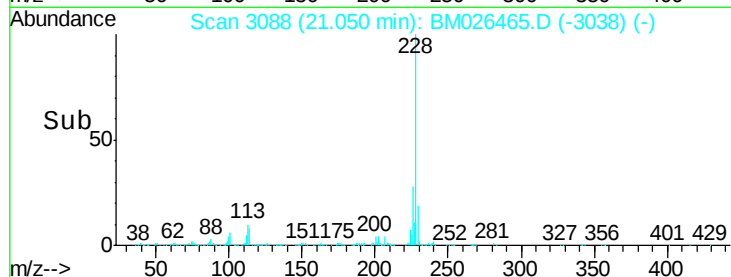
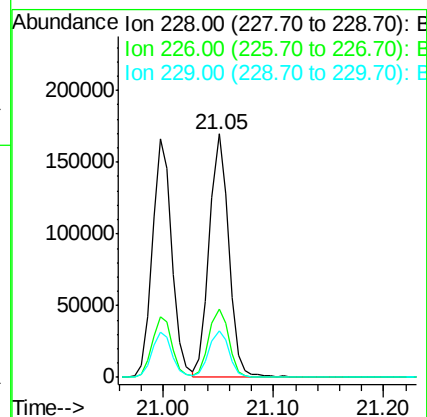
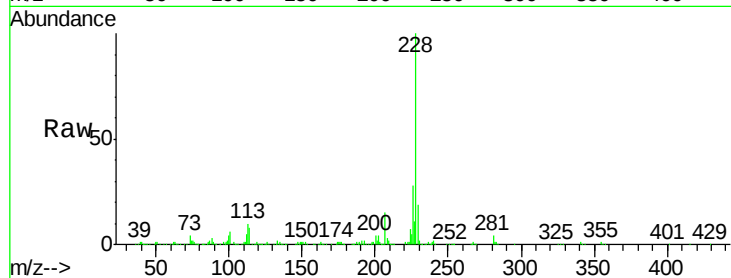
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.9  | 23.8  | 35.6  |
| 229     | 19.1  | 15.5  | 23.3  |

Manual Integrations  
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#84

Bis(2-ethylhexyl)phthalate

Concen: 4.835 ng

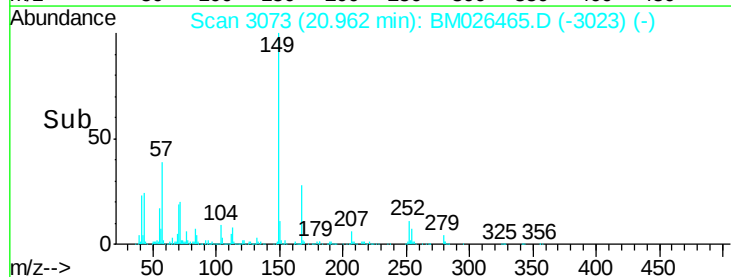
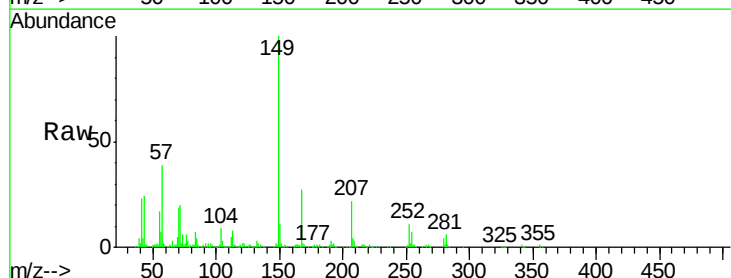
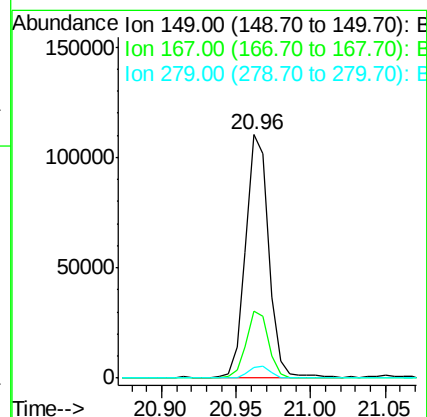
RT: 20.96 min Scan# 3073

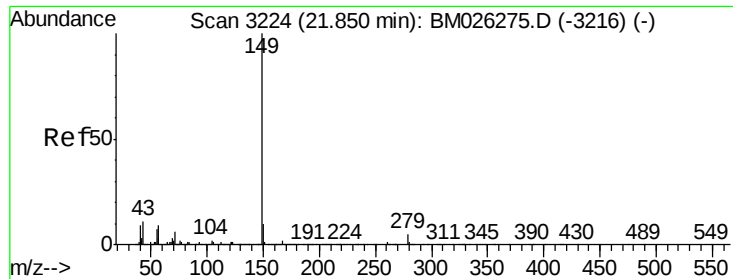
Delta R.T. -0.01 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.5  | 22.0  | 33.0  |
| 279     | 4.3   | 3.7   | 5.5   |





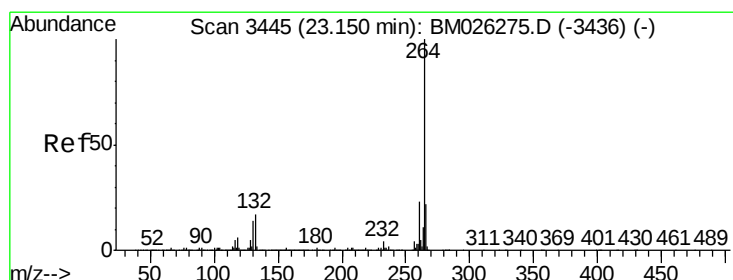
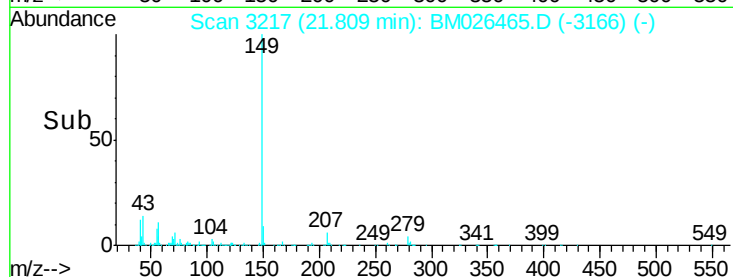
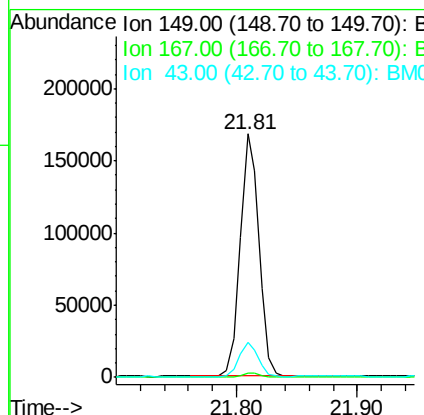
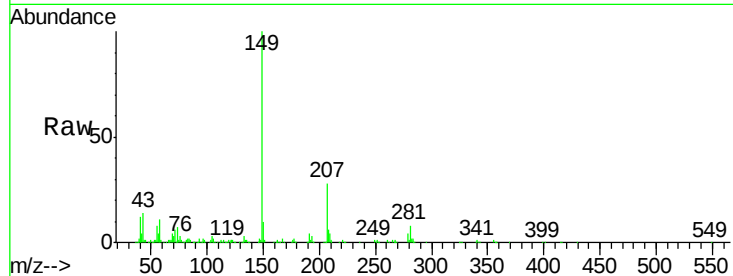
#85  
Di-n-octyl phthalate  
Concen: 4.862 ng  
RT: 21.81 min Scan# 3217  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.7   | 1.3   | 1.9   |
| 43      | 14.6  | 10.3  | 15.5  |

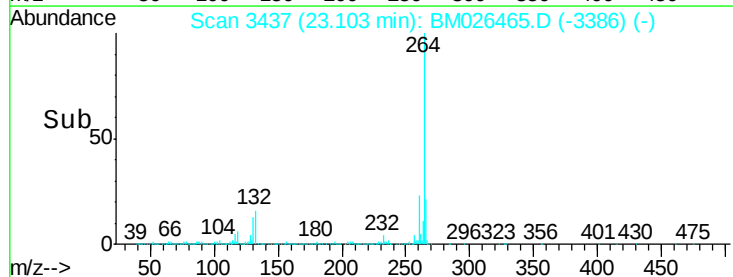
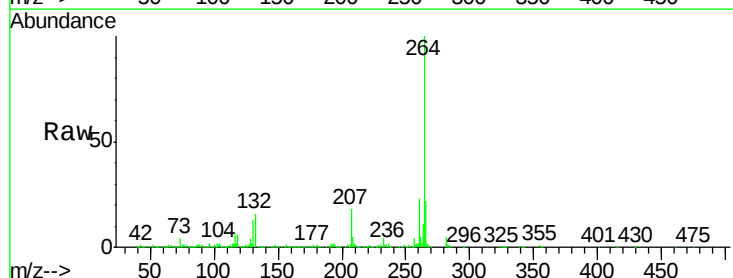
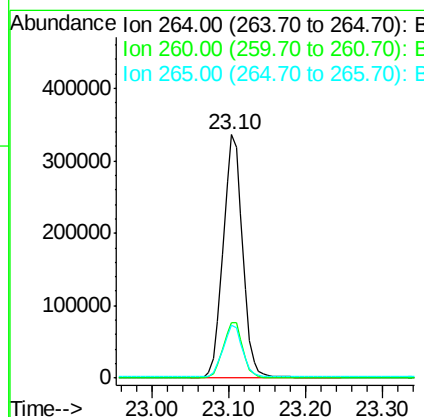
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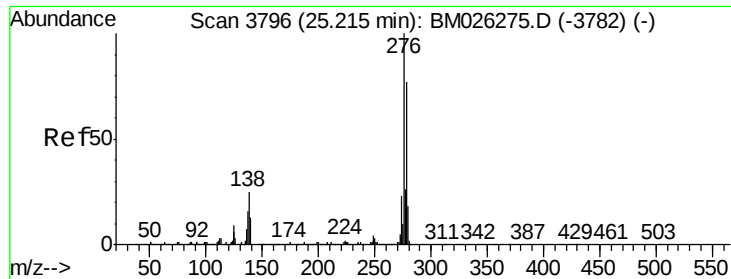
mohammad  
6/22/2020 3:23:15 PM



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.10 min Scan# 3437  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.5  | 18.6  | 28.0  |
| 265     | 21.6  | 17.8  | 26.6  |





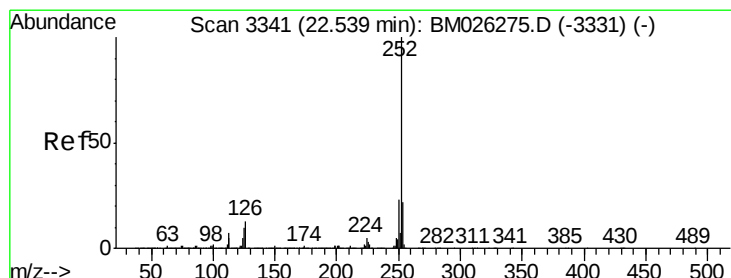
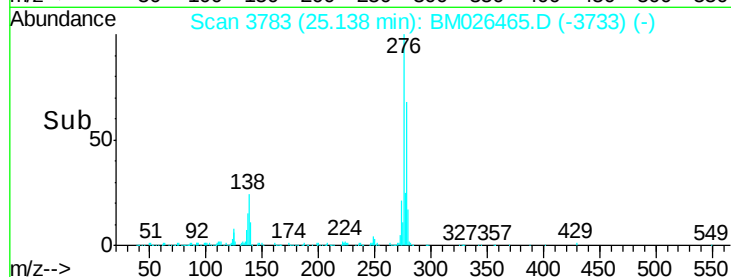
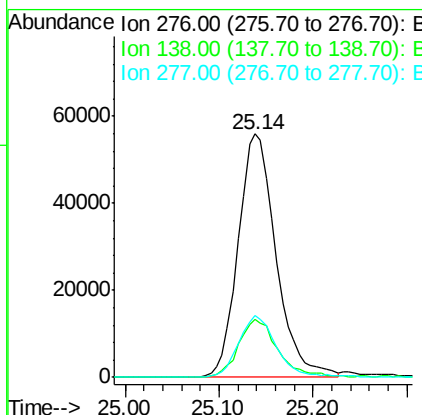
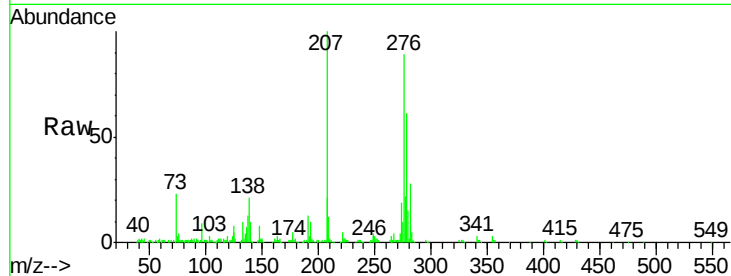
#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.587 ng  
 RT: 25.14 min Scan# 3783  
 Delta R.T. -0.01 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.7  | 19.0  | 28.6  |
| 277     | 25.6  | 20.2  | 30.4  |

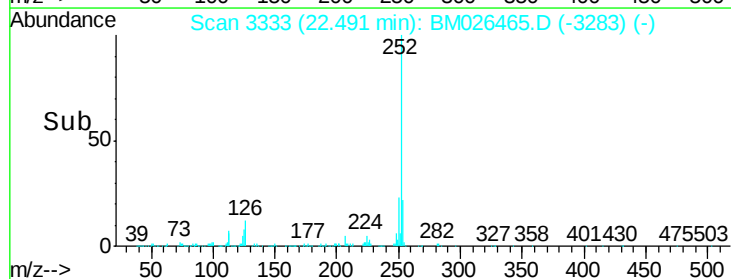
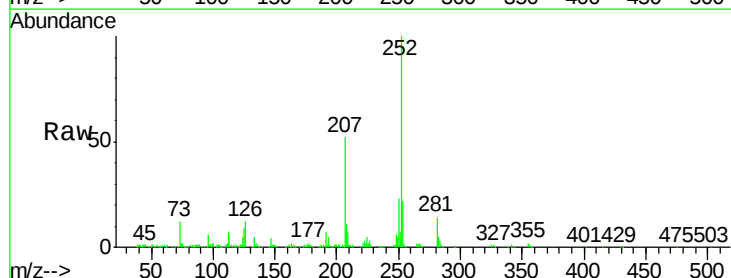
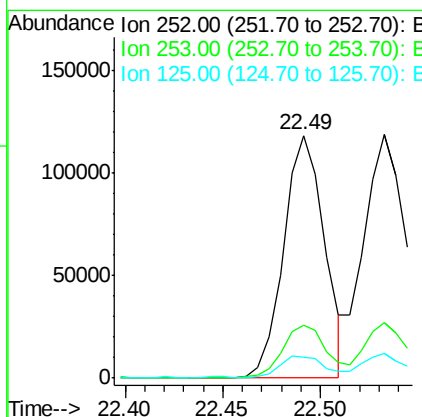
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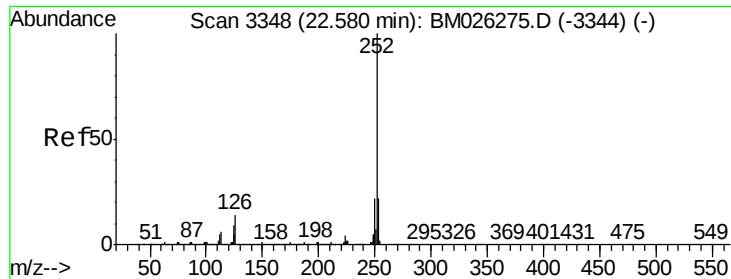
mohammad  
 6/22/2020 3:23:15 PM



#88  
 Benzo(b)fluoranthene  
 Concen: 4.800 ng  
 RT: 22.49 min Scan# 3333  
 Delta R.T. -0.01 min  
 Lab File: BM026465.D  
 Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.6  | 26.4  |
| 125     | 8.8   | 8.0   | 12.0  |





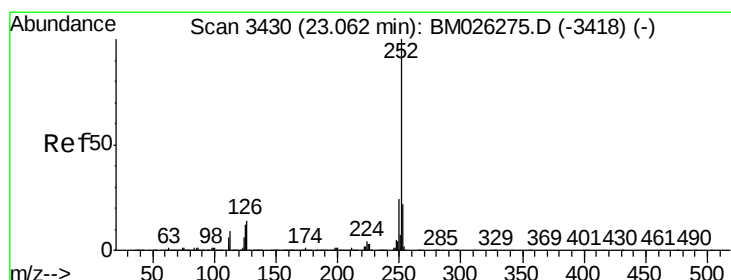
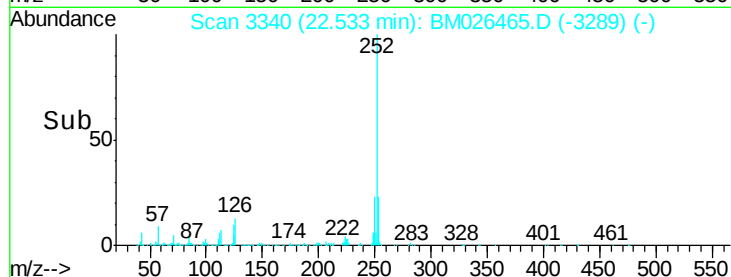
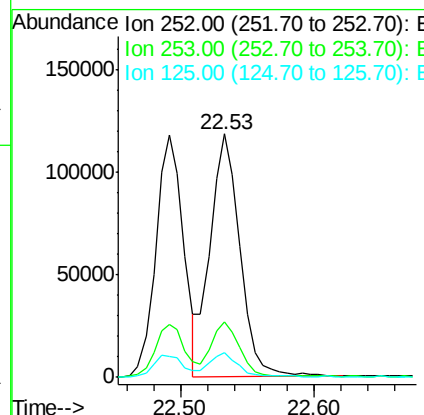
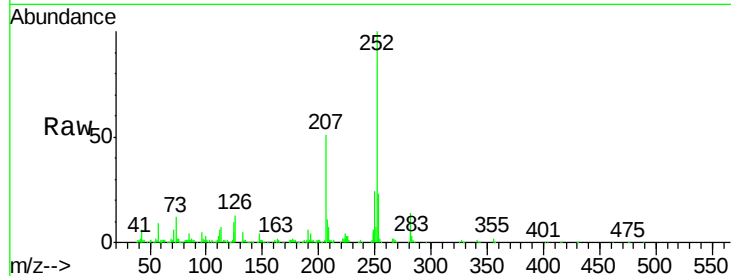
#89  
Benzo(k)fluoranthene  
Concen: 5.350 ng  
RT: 22.53 min Scan# 3340  
Delta R.T. -0.00 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.2  | 25.8  |
| 125     | 10.2  | 7.8   | 11.8  |

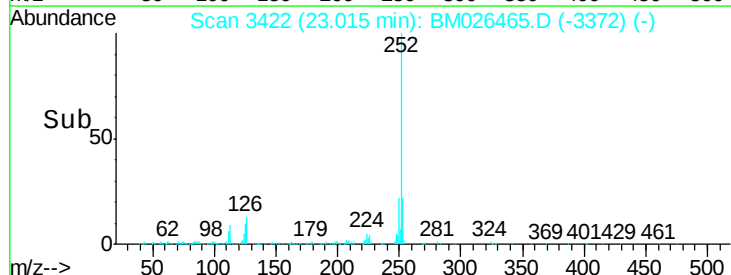
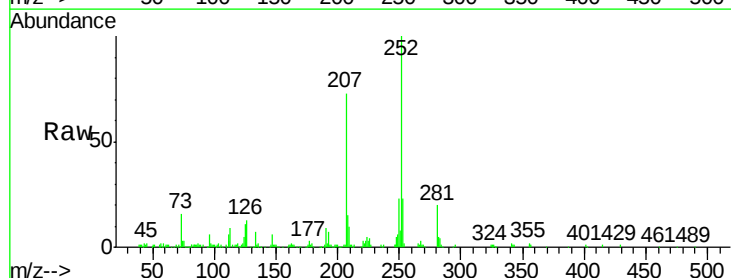
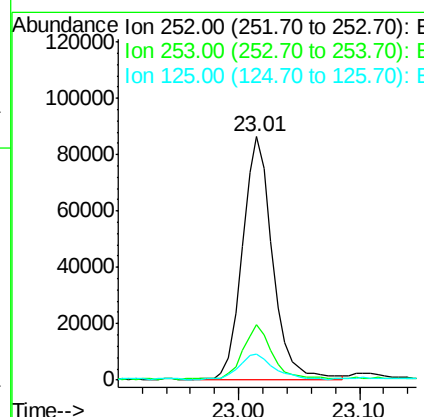
Manual Integrations  
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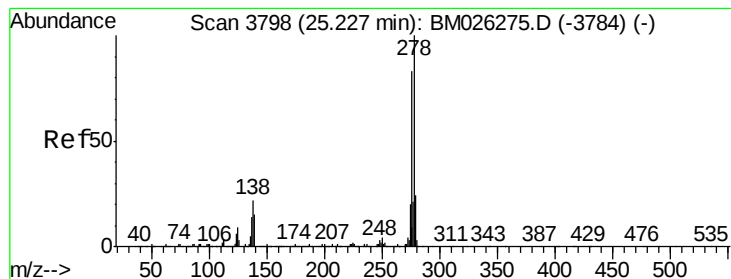
mohammad  
6/22/2020 3:23:15 PM



#90  
Benzo(a)pyrene  
Concen: 4.726 ng  
RT: 23.01 min Scan# 3422  
Delta R.T. -0.01 min  
Lab File: BM026465.D  
Acq: 19 Jun 2020 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.3  | 25.9  |
| 125     | 10.9  | 8.6   | 12.8  |





#91

Dibenzo(a,h)anthracene

Concen: 4.735 ng

RT: 25.15 min Scan# 3785

Delta R.T. -0.01 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

Instrument :

BNA\_M

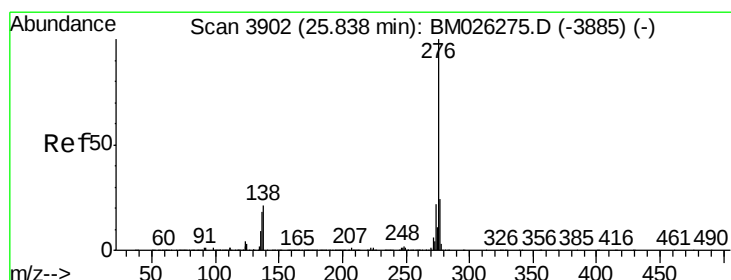
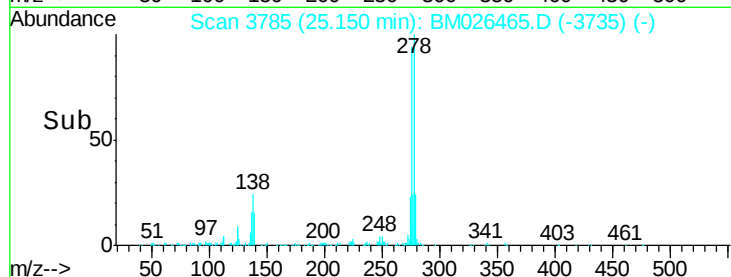
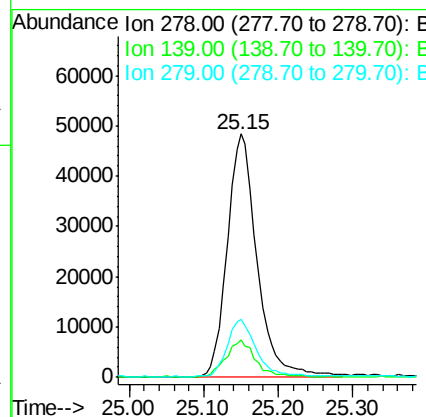
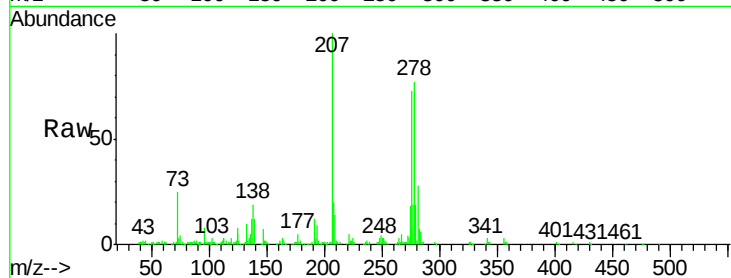
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 278   | Resp: | 134914 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 15.2  | 12.3  | 18.5   |
| 279       | 24.0  | 18.9  | 28.3   |

Manual Integrations  
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#92

Benzo(g,h,i)perylene

Concen: 4.898 ng

RT: 25.76 min Scan# 3888

Delta R.T. -0.00 min

Lab File: BM026465.D

Acq: 19 Jun 2020 11:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 132797 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 22.7  | 19.0  | 28.4   |
| 138       | 20.6  | 16.2  | 24.4   |

