

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP030521\  
 Data File : BP004921.D  
 Acq On : 05 Mar 2021 17:51  
 Operator : CG/JU  
 Sample : M1534-11  
 Misc : SOM-MDL-S-04  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-04

Manual Integrations  
 APPROVED

mohammad  
 3/8/2021 9:36:40 AM

Quant Time: Mar 05 22:37:33 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP030521MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 05 13:02:07 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 35394    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.53 | 136  | 145456   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.39 | 164  | 99641    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.15 | 188  | 228815   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.24 | 240  | 261088   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.54 | 264  | 263461   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 4170   | 4.78  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.91  | 99  | 98723  | 36.49 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.08  | 67  | 55250  | 39.81 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.27  | 132 | 80339  | 37.24 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.45  | 113 | 78765  | 36.02 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.89  | 128 | 39139  | 37.48 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.61  | 143 | 44407  | 37.23 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.15 | 165 | 79231  | 33.76 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 101852 | 39.74 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.80 | 166 | 265159 | 36.99 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.08 | 160 | 319127 | 36.18 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.60 | 143 | 43046  | 34.20 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.39 | 176 | 233927 | 36.62 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.50 | 200 | 46889  | 31.30 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.25 | 188 | 370158 | 36.03 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.49 | 212 | 439361 | 37.33 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.39 | 264 | 504073 | 37.65 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.27  | 88  | 1249   | 1.465 ng/uL# | 94     |
| 4) Benzaldehyde                | 6.89  | 77  | 8153   | 6.020 ng/ul  | 90     |
| 6) Phenol                      | 6.94  | 94  | 11489  | 4.054 ng/ul  | 96     |
| 8) Bis(2-Chloroethyl)ether     | 7.16  | 93  | 8681   | 4.147 ng/ul  | 96     |
| 10) 2-Chlorophenol             | 7.30  | 128 | 9544   | 4.242 ng/ul  | 99     |
| 11) 2-Methylphenol             | 8.19  | 108 | 8165   | 3.773 ng/ul  | 97     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.28  | 45  | 9073   | 4.274 ng/ul  | 100    |
| 14) Acetophenone               | 8.56  | 105 | 15458  | 4.283 ng/ul  | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.55  | 70  | 6913   | 4.087 ng/ul  | 96     |
| 16) 4-Methylphenol             | 8.51  | 108 | 9280   | 4.000 ng/ul  | 96     |
| 17) Hexachloroethane           | 8.81  | 117 | 3932   | 3.983 ng/ul  | 97     |
| 20) Nitrobenzene               | 8.93  | 77  | 11938  | 4.394 ng/ul  | 93     |
| 21) Isophorone                 | 9.46  | 82  | 17829  | 3.845 ng/ul  | 99     |
| 23) 2-Nitrophenol              | 9.65  | 139 | 5014   | 3.899 ng/ul# | 89     |
| 24) 2,4-Dimethylphenol         | 9.71  | 107 | 11678  | 4.045 ng/ul  | 88     |
| 25) Bis(2-Chloroethoxy)methane | 9.95  | 93  | 11436m | 3.995 ng/ul  |        |
| 27) 2,4-Dichlorophenol         | 10.18 | 162 | 8458   | 3.671 ng/ul  | 93     |
| 28) Naphthalene                | 10.58 | 128 | 29746  | 3.916 ng/ul  | 98     |
| 30) 4-Chloroaniline            | 10.69 | 127 | 11875  | 4.558 ng/ul  | 91     |
| 31) Hexachlorobutadiene        | 10.87 | 225 | 7245   | 3.959 ng/ul  | 92     |
| 32) Caprolactam                | 11.50 | 113 | 2522m  | 3.495 ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 11.83 | 107 | 9532   | 3.708 ng/ul  | 95     |
| 34) 2-Methylnaphthalene        | 12.20 | 142 | 21167  | 3.901 ng/ul  | 98     |

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 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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 3/8/2021 9:36:40 AM

Quant Time: Mar 05 22:37:33 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP030521MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 05 13:02:07 2021  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.42 | 142  | 20380    | 3.878 | ng/ul  | 94       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.56 | 216  | 13364    | 3.860 | ng/ul# | 96       |
| 38) Hexachlorocyclopentadiene  | 12.55 | 237  | 6556     | 2.977 | ng/ul  | 96       |
| 39) 2,4,6-Trichlorophenol      | 12.82 | 196  | 7085     | 3.472 | ng/ul  | 88       |
| 40) 2,4,5-Trichlorophenol      | 12.89 | 196  | 7520m    | 3.379 | ng/ul  |          |
| 41) 1,1'-Biphenyl              | 13.22 | 154  | 28320    | 3.871 | ng/ul# | 97       |
| 42) 2-Chloronaphthalene        | 13.26 | 162  | 21810    | 3.728 | ng/ul# | 90       |
| 43) 2-Nitroaniline             | 13.47 | 65   | 5456     | 3.503 | ng/ul  | 93       |
| 45) Dimethylphthalate          | 13.85 | 163  | 28957    | 3.894 | ng/ul# | 96       |
| 46) 2,6-Dinitrotoluene         | 13.97 | 165  | 5123     | 3.425 | ng/ul  | 96       |
| 48) Acenaphthylene             | 14.11 | 152  | 33158    | 3.946 | ng/ul  | 96       |
| 49) 3-Nitroaniline             | 14.30 | 138  | 4830     | 3.703 | ng/ul# | 97       |
| 50) Acenaphthene               | 14.45 | 153  | 23954    | 3.909 | ng/ul  | 97       |
| 51) 2,4-Dinitrophenol          | 14.51 | 184  | 2424     | 2.402 | ng/ul  | 98       |
| 53) 4-Nitrophenol              | 14.62 | 109  | 5968     | 4.517 | ng/ul# | 76       |
| 54) Dibenzofuran               | 14.79 | 168  | 35361    | 3.934 | ng/ul  | 98       |
| 55) 2,4-Dinitrotoluene         | 14.76 | 165  | 7656     | 3.528 | ng/ul# | 97       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.02 | 232  | 7108     | 3.418 | ng/ul  | 99       |
| 57) Diethylphthalate           | 15.22 | 149  | 29161    | 3.968 | ng/ul  | 96       |
| 59) Fluorene                   | 15.44 | 166  | 28221    | 3.754 | ng/ul  | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.44 | 204  | 16012    | 3.834 | ng/ul  | 93       |
| 61) 4-Nitroaniline             | 15.46 | 138  | 5150     | 3.423 | ng/ul# | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 15.52 | 198  | 5628     | 3.721 | ng/ul# | 80       |
| 65) N-Nitrosodiphenylamine     | 15.66 | 169  | 24182    | 3.732 | ng/ul  | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.34 | 248  | 9353     | 3.575 | ng/ul  | 96       |
| 67) Hexachlorobenzene          | 16.45 | 284  | 11607    | 3.871 | ng/ul  | 94       |
| 68) Atrazine                   | 16.62 | 200  | 9266     | 3.521 | ng/ul  | 98       |
| 69) Pentachlorophenol          | 16.80 | 266  | 5213     | 2.809 | ng/ul  | 92       |
| 70) Phenanthrene               | 17.19 | 178  | 47195    | 3.876 | ng/ul  | 98       |
| 72) Anthracene                 | 17.28 | 178  | 48204    | 3.887 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.17 | 216  | 13240    | 3.786 | ng/uL  | 97       |
| 74) Pentachlorobenzene         | 14.70 | 250  | 12730    | 3.603 | ng/uL  | 98       |
| 75) Carbazole                  | 17.56 | 167  | 39016    | 3.627 | ng/ul  | 97       |
| 76) Di-n-butylphthalate        | 18.12 | 149  | 44664    | 3.641 | ng/ul  | 98       |
| 77) Fluoranthene               | 19.16 | 202  | 55438    | 3.698 | ng/ul  | 98       |
| 80) Pvrene                     | 19.52 | 202  | 60797    | 4.016 | ng/ul# | 96       |
| 81) Butylbenzylphthalate       | 20.40 | 149  | 19298    | 3.619 | ng/ul  | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.16 | 252  | 19261    | 3.545 | ng/ul# | 96       |
| 83) Benzo(a)anthracene         | 21.22 | 228  | 62218    | 3.955 | ng/ul  | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 28890    | 3.623 | ng/ul  | 96       |
| 85) Chrysene                   | 21.27 | 228  | 60508    | 3.954 | ng/ul  | 97       |
| 87) Di-n-octyl phthalate       | 22.05 | 149  | 49247    | 3.330 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.84 | 252  | 64554    | 3.960 | ng/ul  | 97       |
| 89) Benzo(k)fluoranthene       | 22.89 | 252  | 60898    | 3.770 | ng/ul  | 96       |
| 91) Benzo(a)pyrene             | 23.43 | 252  | 56763    | 3.936 | ng/ul  | 97       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.89 | 276  | 69992    | 3.751 | ng/ul  | 97       |
| 93) Dibenzo(a,h)anthracene     | 25.90 | 278  | 58043    | 3.640 | ng/ul  | 99       |
| 94) Benzo(a,h,i)perylene       | 26.61 | 276  | 58046    | 3.729 | ng/ul  | 94       |

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Sample : M1534-11  
Misc : SOM-MDL-S-04  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

Manual Integrations  
APPROVED

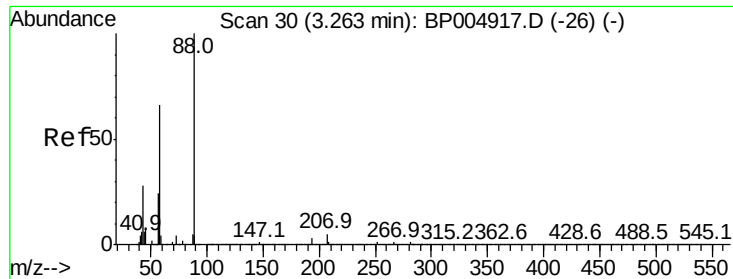
mohammad  
3/8/2021 9:36:40 AM

Quant Time: Mar 05 22:37:33 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP030521MA.M  
Quant Title : SVOA CALIBRATION  
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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





#2

1,4-Dioxane

Concen: 1.465 ng/uL

RT: 3.27 min Scan# 31

Delta R.T. 0.01 min

Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

Instrument :

BNA\_P

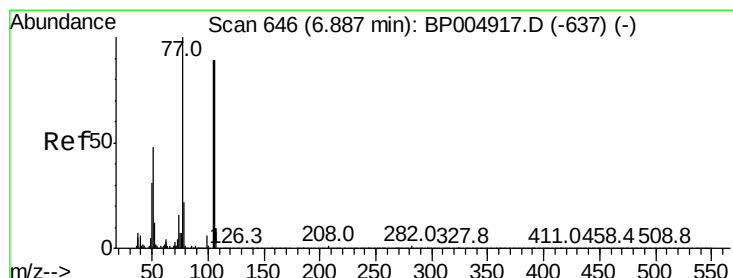
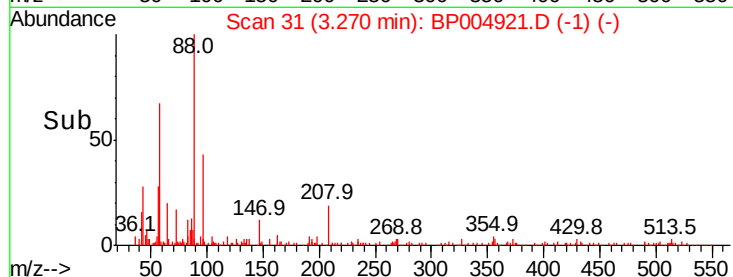
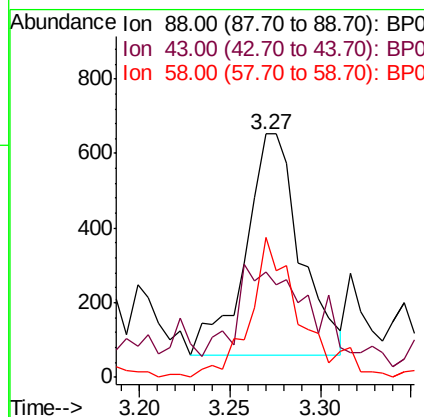
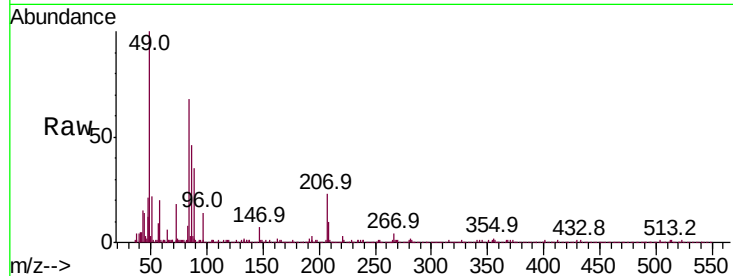
ClientSampleId :

MDL-SOIL-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 88    | Resp: | 1249  |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 43.3  | 28.0  | 42.0# |
| 58        | 57.4  | 46.3  | 69.5  |

Manual Integrations  
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#4

Benzaldehyde

Concen: 6.020 ng/uL

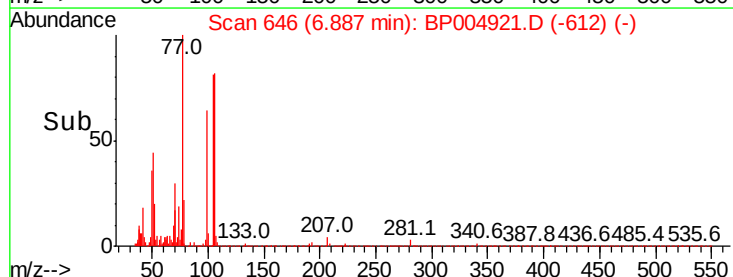
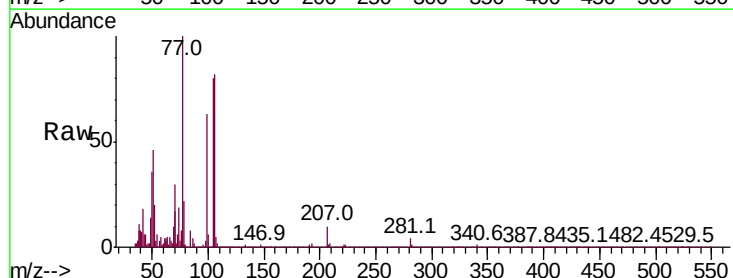
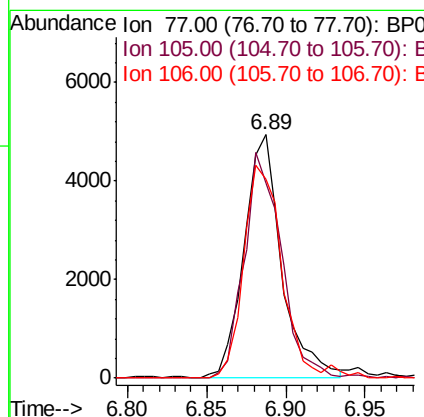
RT: 6.89 min Scan# 646

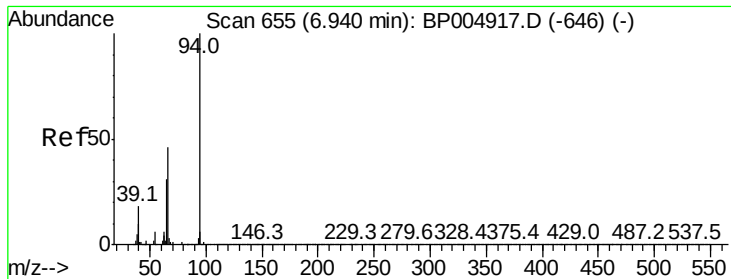
Delta R.T. -0.00 min

Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 77    | Resp: | 8153  |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 105       | 80.3  | 71.7  | 107.5 |
| 106       | 81.7  | 72.3  | 108.5 |





#6

Phenol

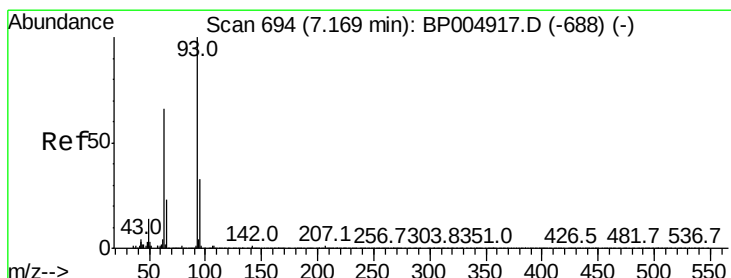
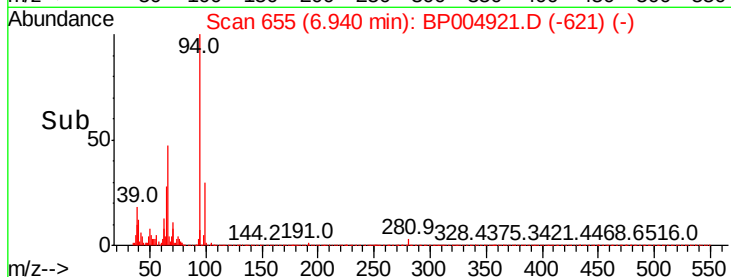
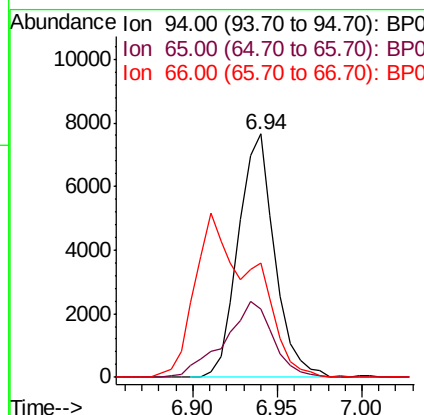
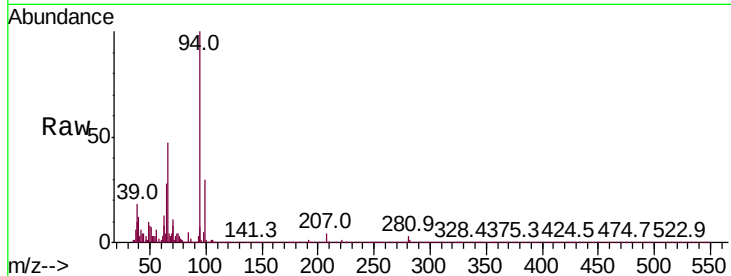
Concen: 4.054 ng/ul  
 RT: 6.94 min Scan# 655  
 Delta R.T. -0.00 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 28.0  | 24.8  | 37.2  |
| 66      | 46.7  | 35.4  | 53.2  |

Manual Integrations  
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 3/8/2021 9:36:40 AM

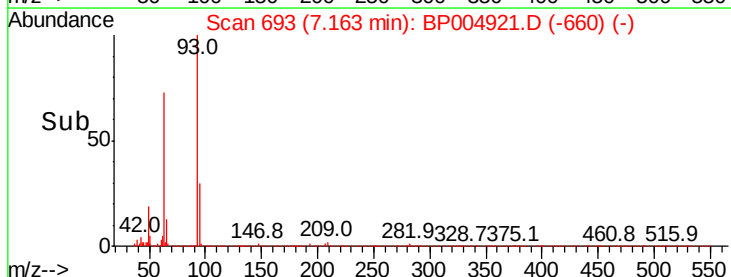
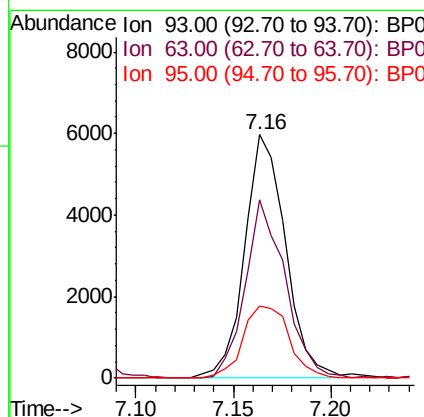
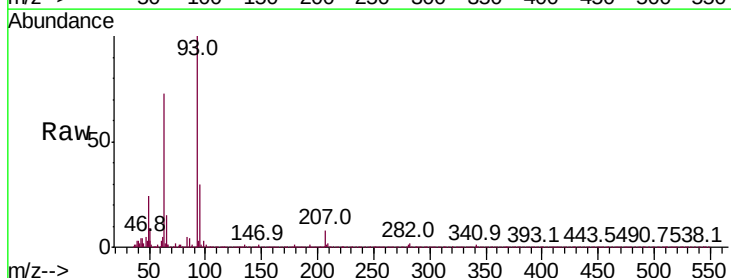


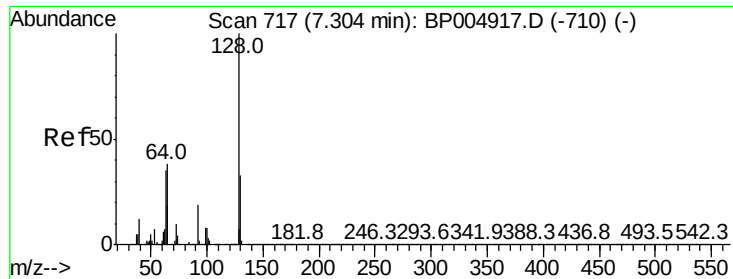
#8

Bis(2-Chloroethyl)ether

Concen: 4.147 ng/ul  
 RT: 7.16 min Scan# 693  
 Delta R.T. -0.01 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 73.3  | 57.0  | 85.6  |
| 95      | 29.8  | 26.7  | 40.1  |





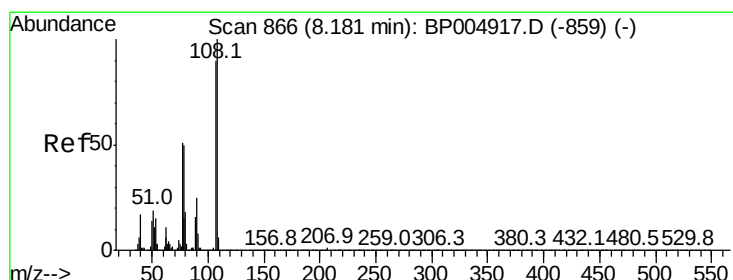
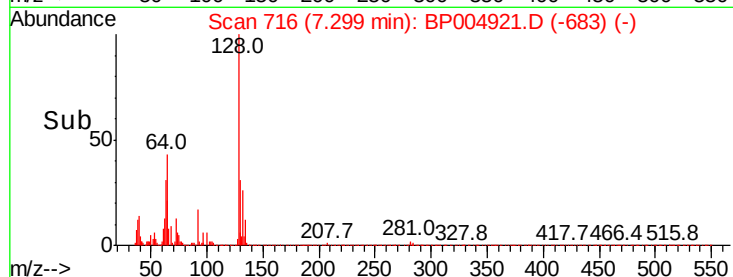
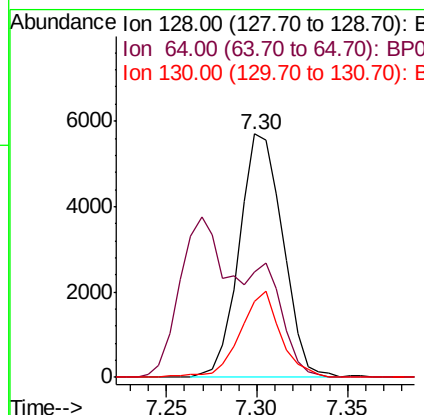
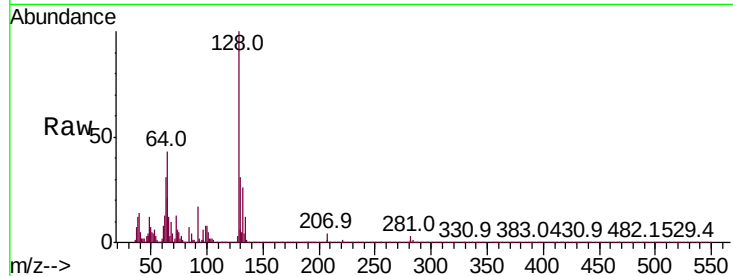
#10  
2-Chlorophenol  
Concen: 4.242 ng/ul  
RT: 7.30 min Scan# 716  
Delta R.T. -0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

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BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 64      | 43.4  | 35.6  | 53.4  |
| 130     | 31.2  | 25.0  | 37.6  |

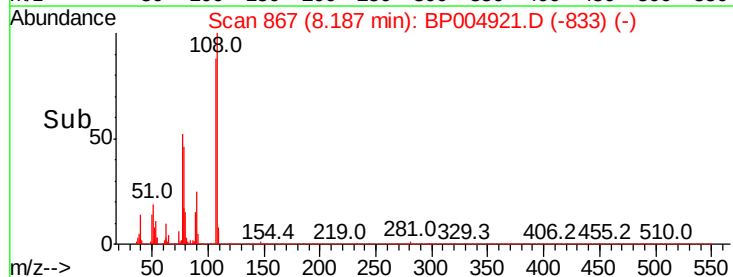
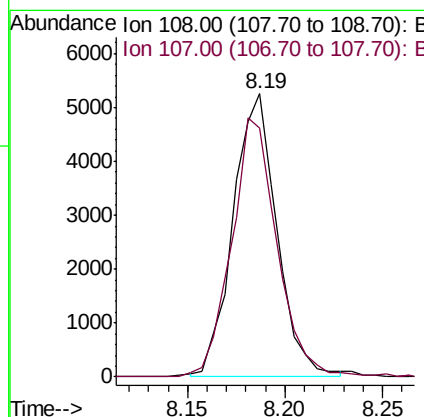
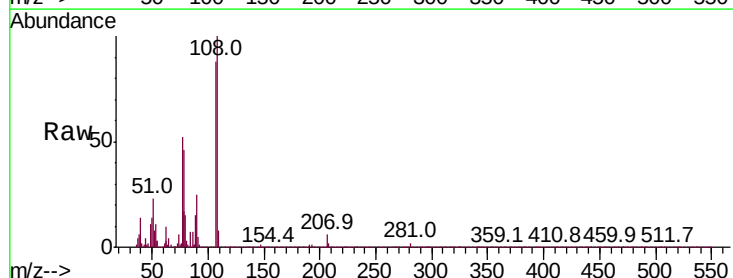
Manual Integrations  
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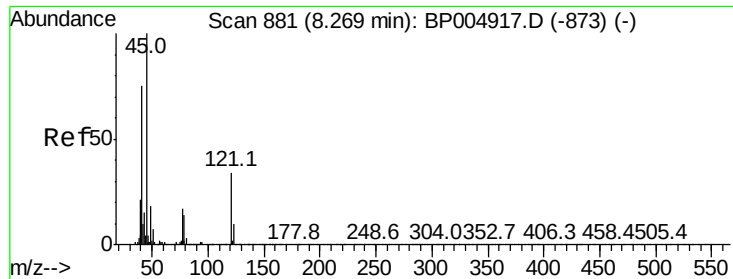


#11  
2-Methylphenol  
Concen: 3.773 ng/ul  
RT: 8.19 min Scan# 867  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 108     | 100   |       |       |
| 107     | 87.8  | 72.6  | 109.0 |







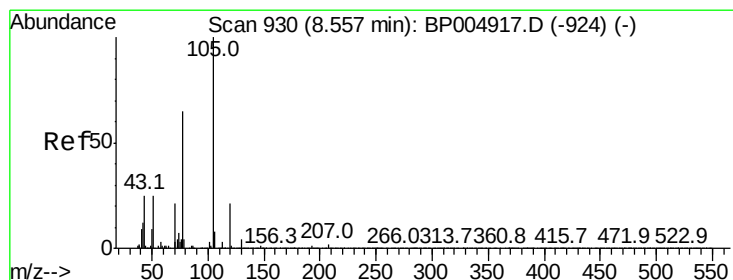
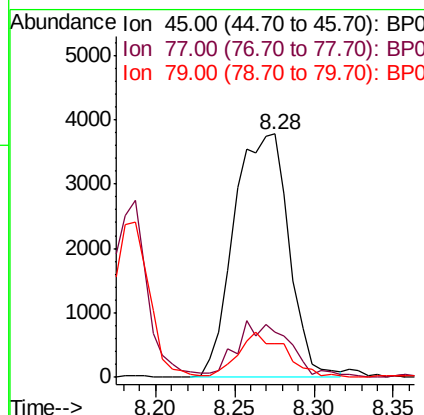
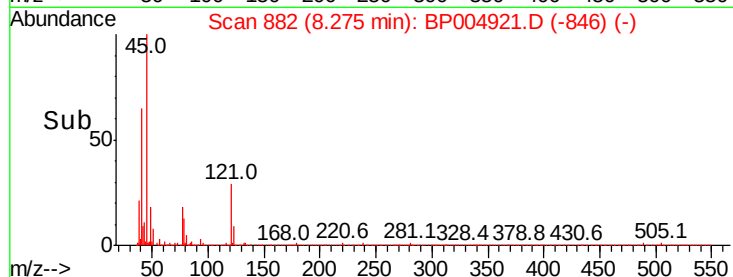
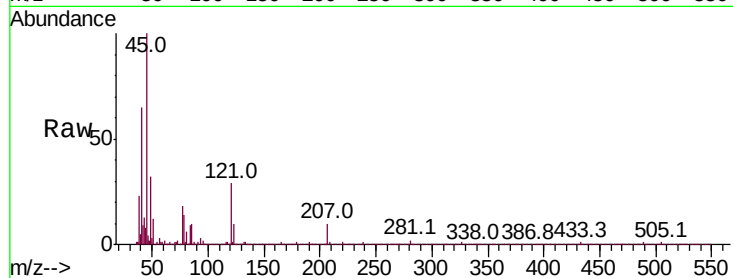
#12  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.274 ng/ul  
RT: 8.28 min Scan# 882  
Delta R.T. 0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 18.4  | 14.8  | 22.2  |
| 79      | 13.8  | 11.0  | 16.4  |

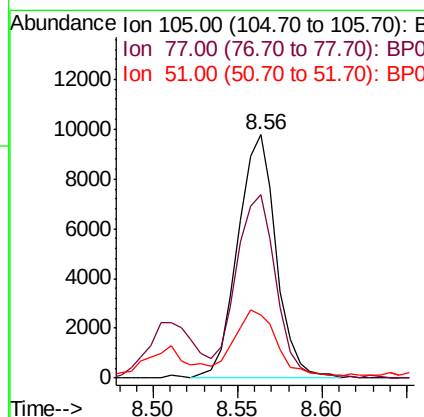
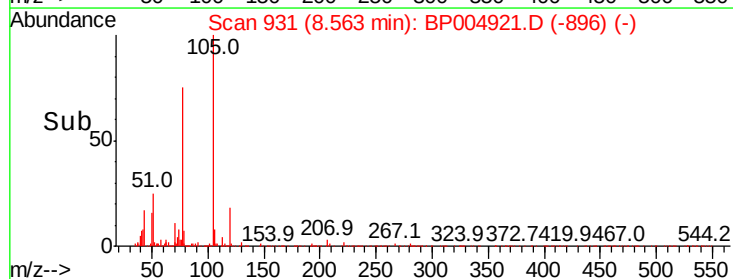
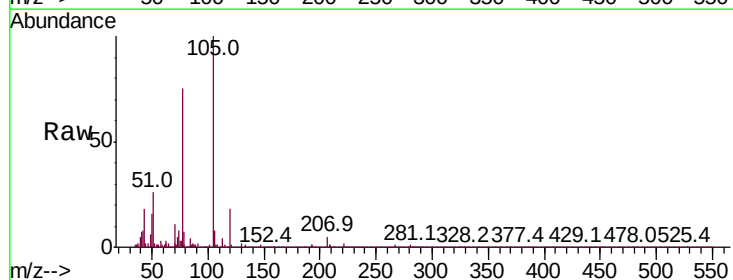
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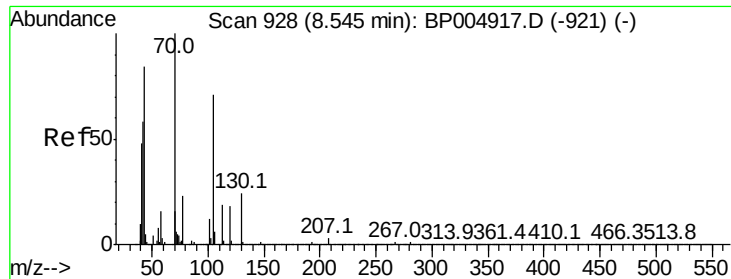


#14  
Acetophenone  
Concen: 4.283 ng/ul  
RT: 8.56 min Scan# 931  
Delta R.T. 0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 77      | 75.3  | 61.4  | 92.2  |
| 51      | 26.0  | 22.0  | 33.0  |







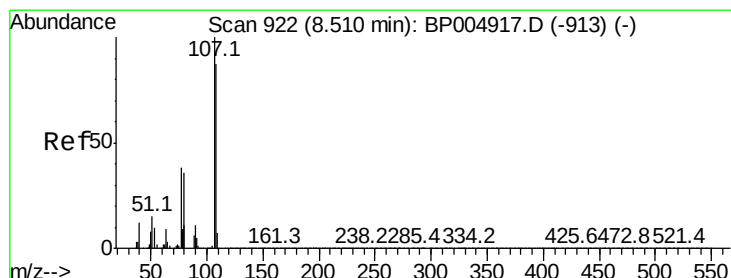
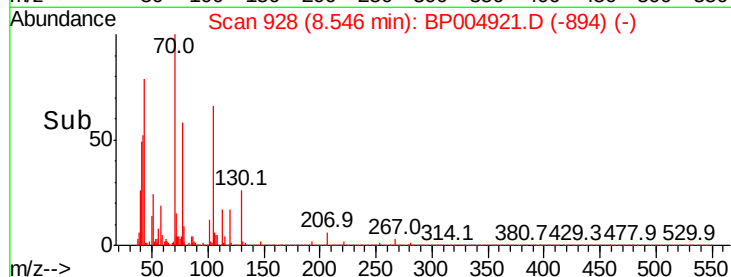
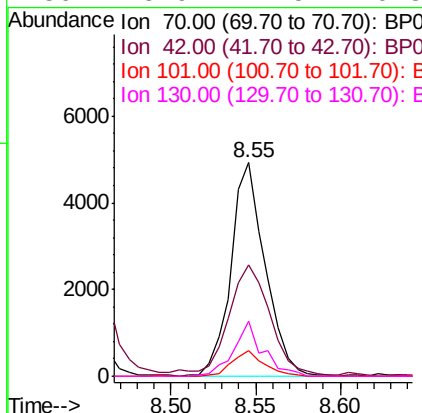
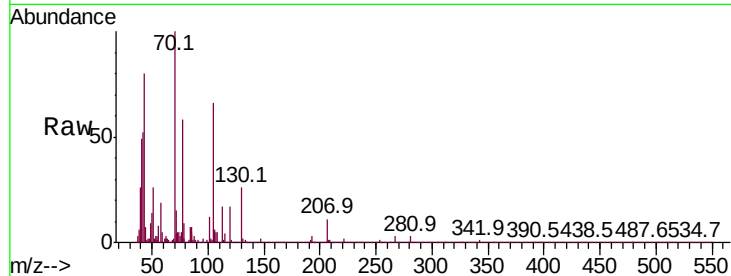
#15  
N-Nitroso-di-n-propylamine  
Concen: 4.087 ng/ul  
RT: 8.55 min Scan# 928  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 52.3 | 43.2  | 64.8  |       |
| 101     | 12.0 | 8.2   | 12.4  |       |
| 130     | 25.9 | 17.5  | 26.3  |       |

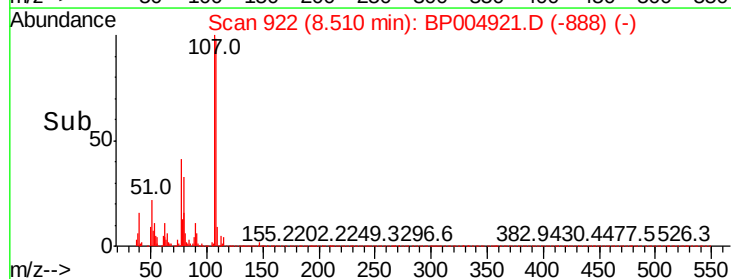
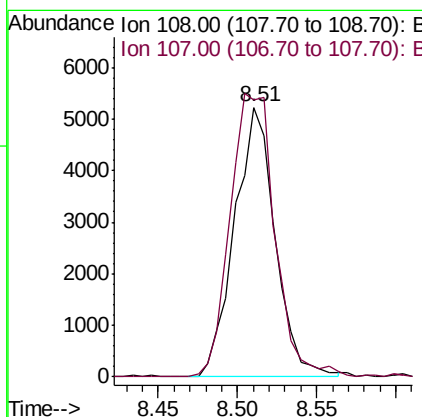
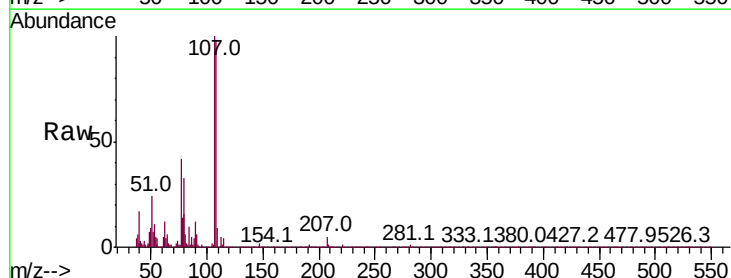
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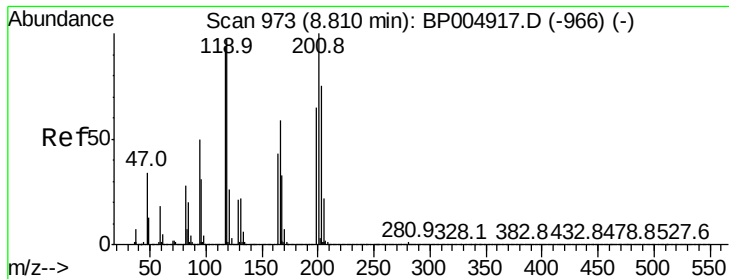
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#16  
4-Methylphenol  
Concen: 4.000 ng/ul  
RT: 8.51 min Scan# 922  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 108     | 100   |       |       |       |
| 107     | 102.5 | 85.5  | 128.3 |       |





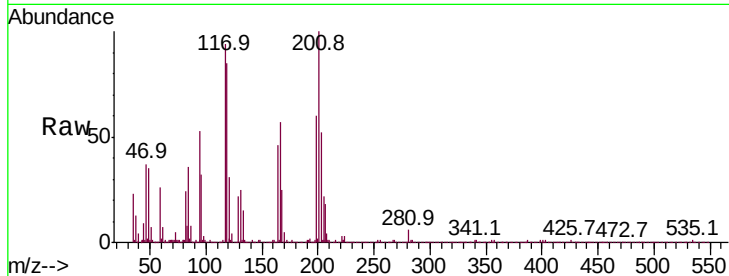
#17  
Hexachloroethane  
Concen: 3.983 ng/ul  
RT: 8.81 min Scan# 973  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 106.3 | 86.0  | 129.0 |
| 199     | 65.7  | 55.7  | 83.5  |

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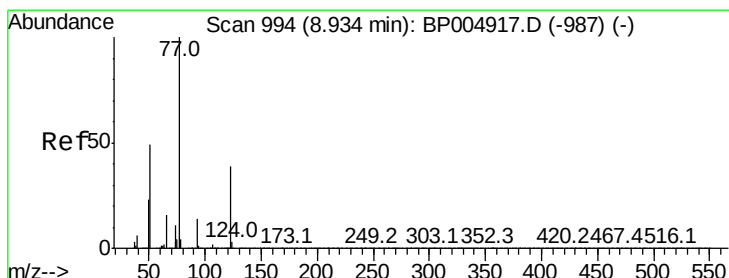
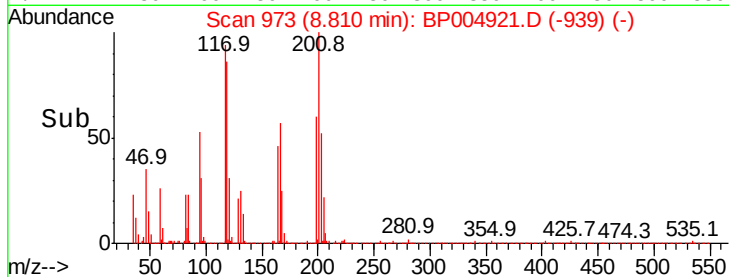
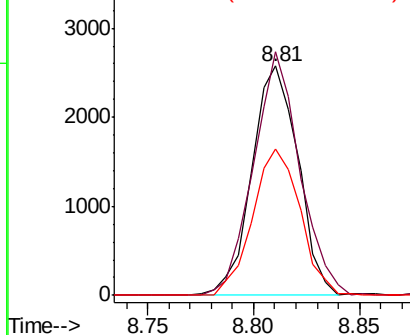


Abundance

Ion 117.00 (116.70 to 117.70): E

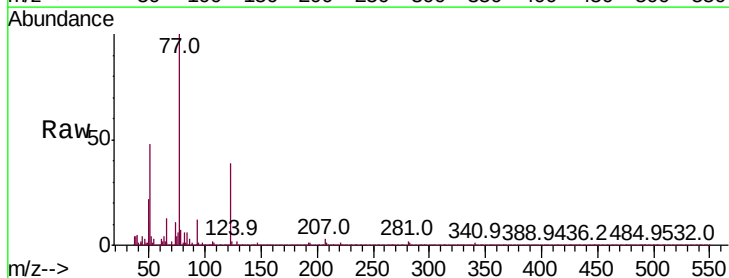
Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20  
Nitrobenzene  
Concen: 4.394 ng/ul  
RT: 8.93 min Scan# 994  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 39.5  | 35.7  | 53.5  |
| 65      | 12.8  | 11.4  | 17.2  |

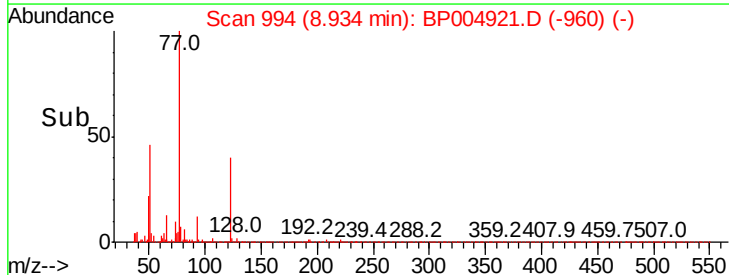
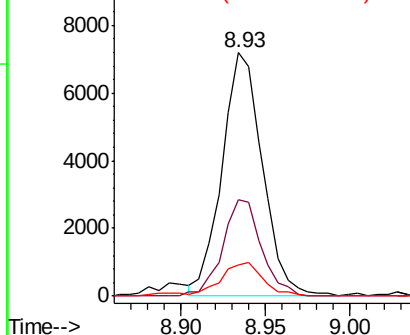


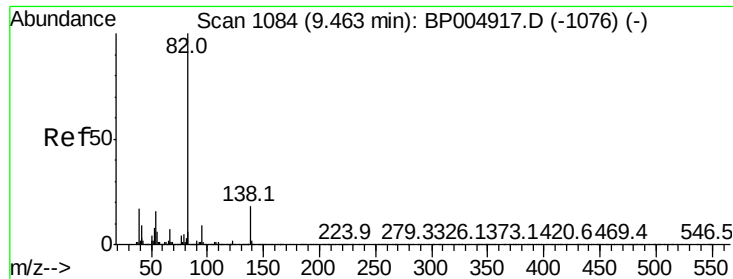
Abundance

Ion 77.00 (76.70 to 77.70): BP0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BP0





#21

Isophorone

Concen: 3.845 ng/ul

RT: 9.46 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BP004921.D

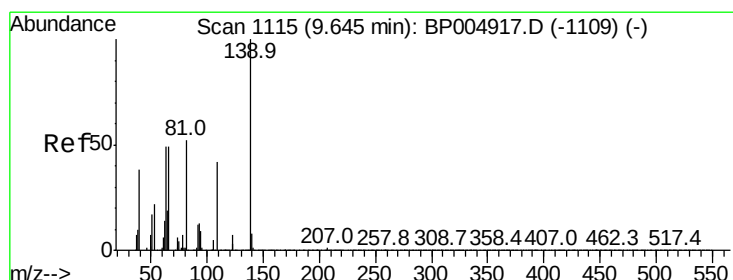
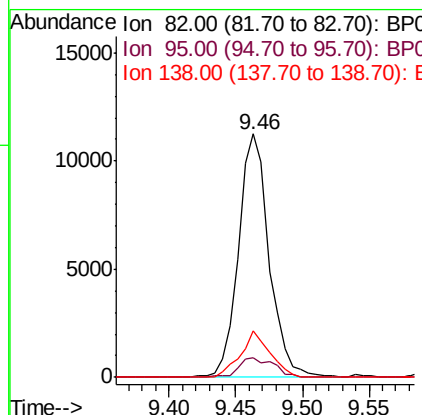
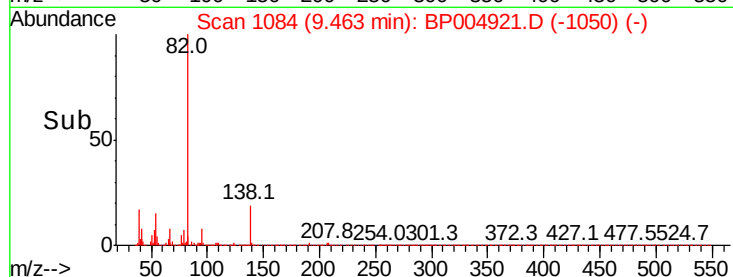
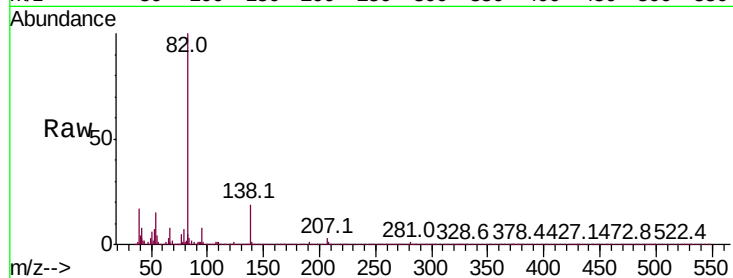
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 8.1   | 7.4   | 11.2  |
| 138     | 18.8  | 15.3  | 22.9  |

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#23

2-Nitrophenol

Concen: 3.899 ng/ul

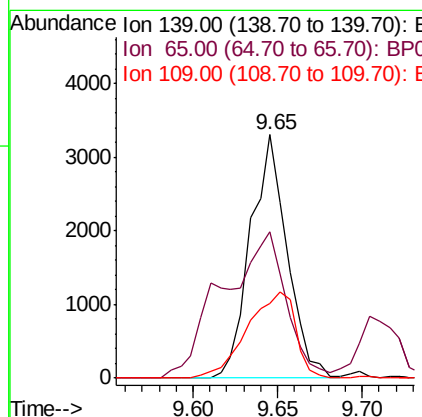
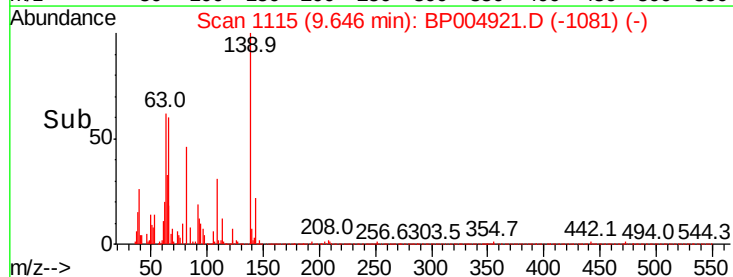
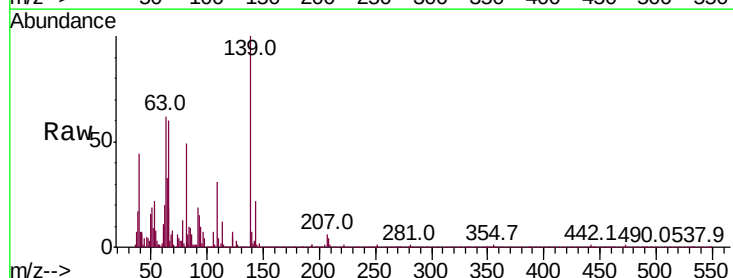
RT: 9.65 min Scan# 1115

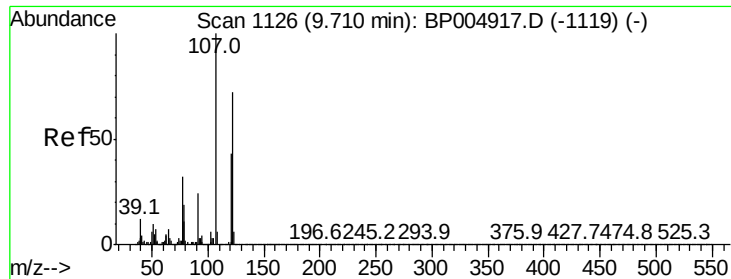
Delta R.T. -0.00 min

Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 65      | 60.0  | 46.2  | 69.4  |
| 109     | 30.7  | 35.9  | 53.9  |





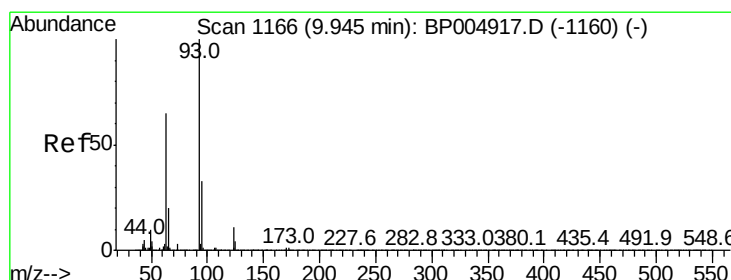
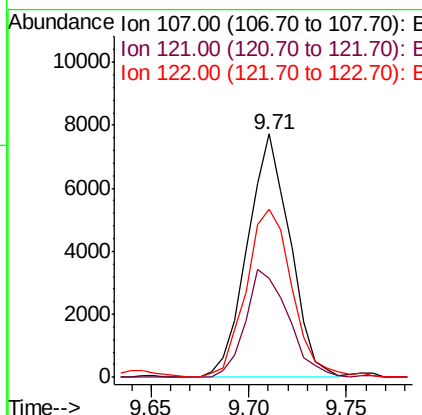
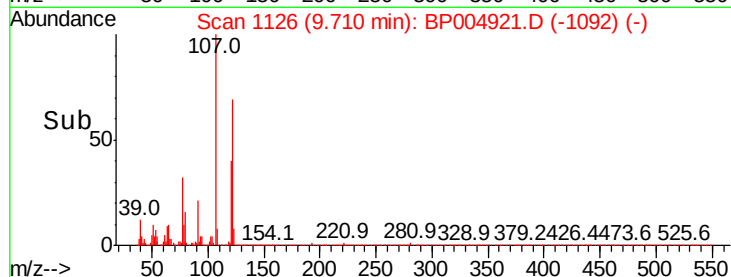
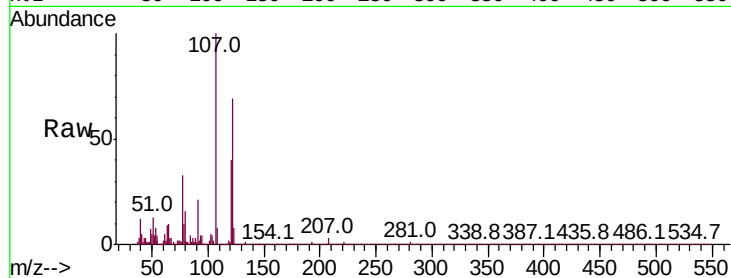
#24  
2,4-Dimethylphenol  
Concen: 4.045 ng/ul  
RT: 9.71 min Scan# 1126  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 121     | 40.5  | 39.4  | 59.2  |
| 122     | 69.0  | 62.8  | 94.2  |

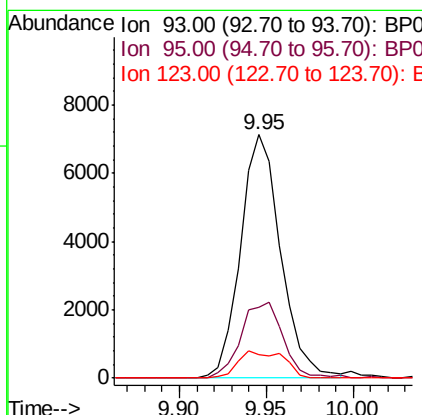
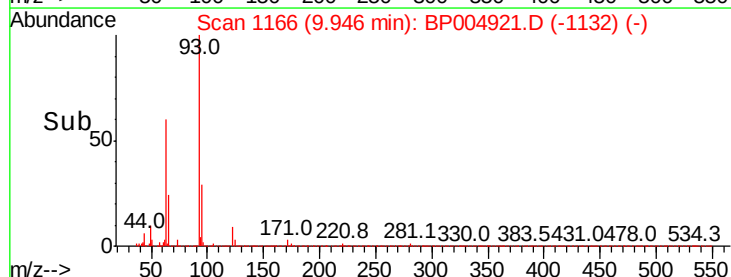
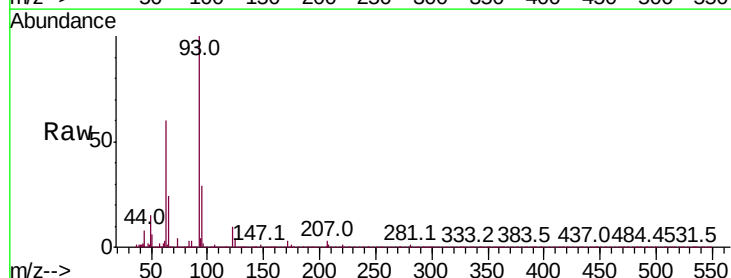
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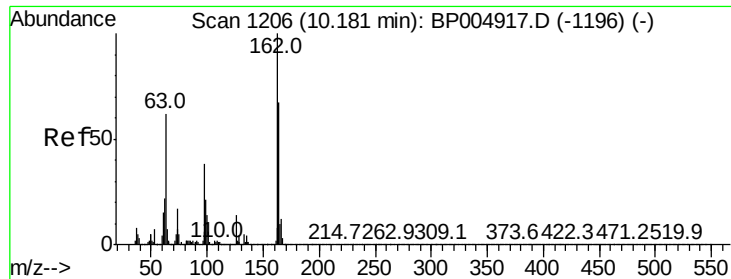
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#25  
Bis(2-Chloroethoxy)methane  
Concen: 3.995 ng/ul m  
RT: 9.95 min Scan# 1166  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 28.9  | 25.0  | 37.6  |
| 123     | 9.6   | 10.1  | 15.1# |





#27

2,4-Dichlorophenol

Concen: 3.671 ng/ul

RT: 10.18 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BP004921.D

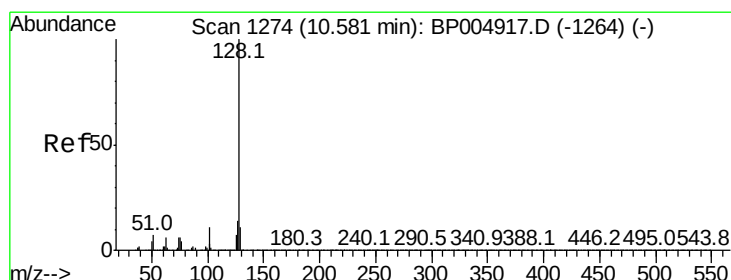
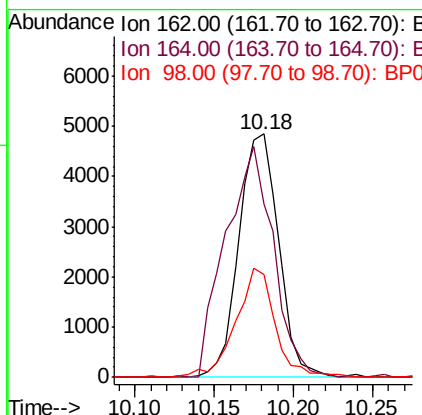
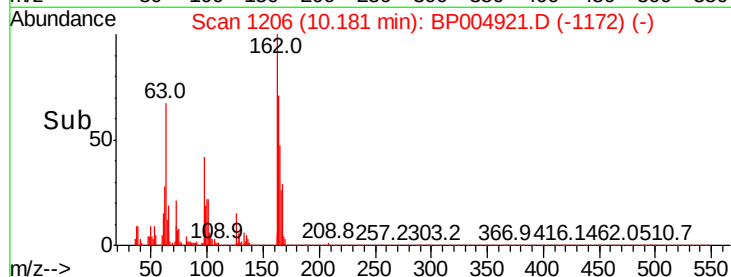
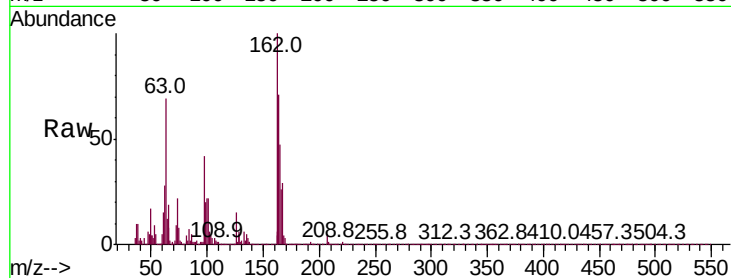
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 162   | Resp: | 8458 |
| Ion Ratio | Lower | Upper |      |
| 162       | 100   |       |      |
| 164       | 71.2  | 52.6  | 78.8 |
| 98        | 42.3  | 30.2  | 45.4 |

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#28

Naphthalene

Concen: 3.916 ng/ul

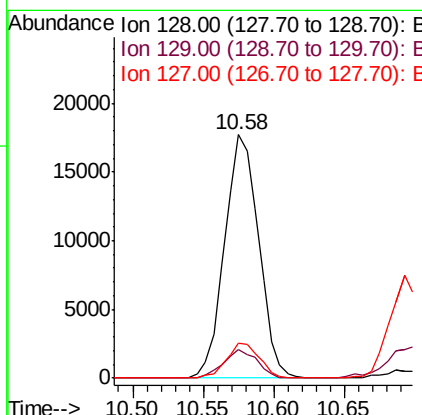
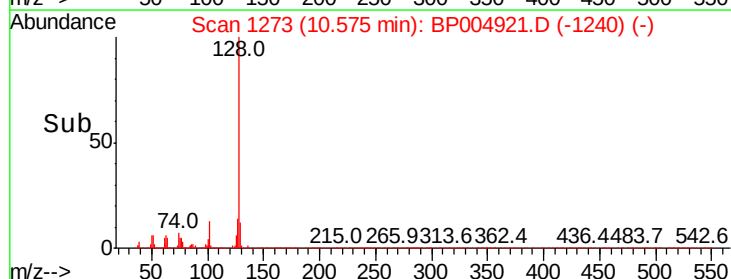
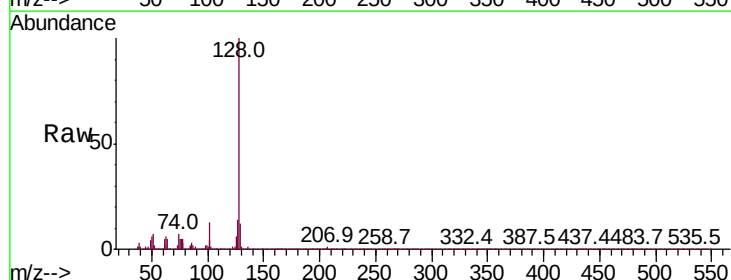
RT: 10.58 min Scan# 1273

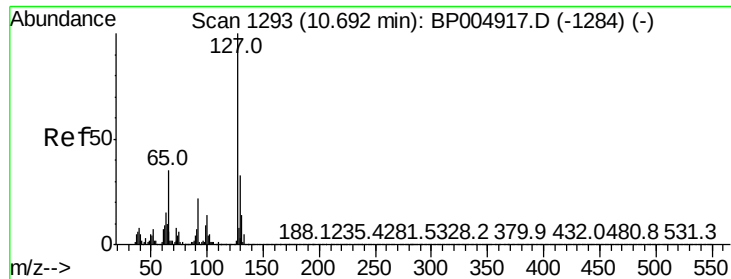
Delta R.T. -0.01 min

Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 29746 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.7  | 8.9   | 13.3  |
| 127       | 14.2  | 10.6  | 16.0  |





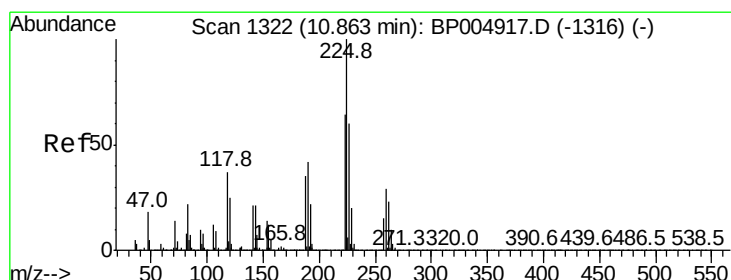
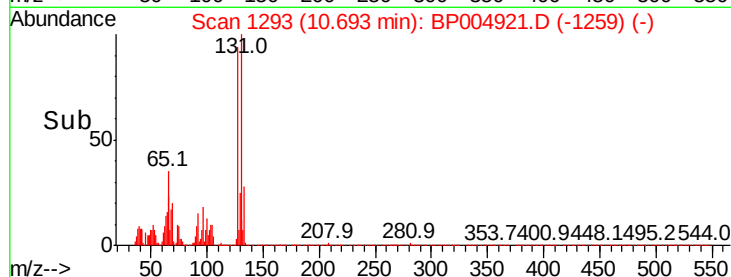
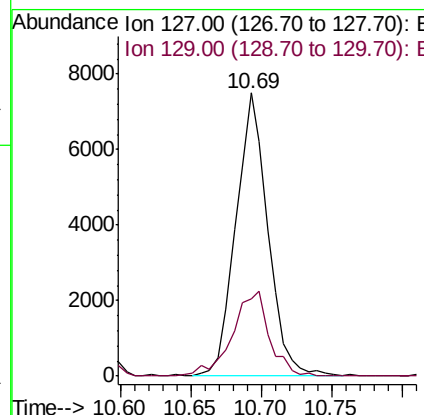
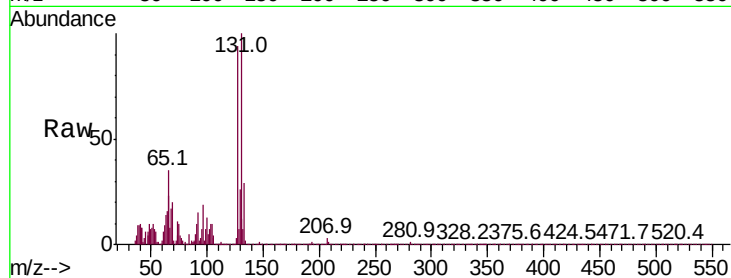
#30  
4-Chloroaniline  
Concen: 4.558 ng/ul  
RT: 10.69 min Scan# 1293  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

Tot Ion:127 Resp: 11875  
Ion Ratio Lower Upper  
127 100  
129 27.2 25.8 38.6

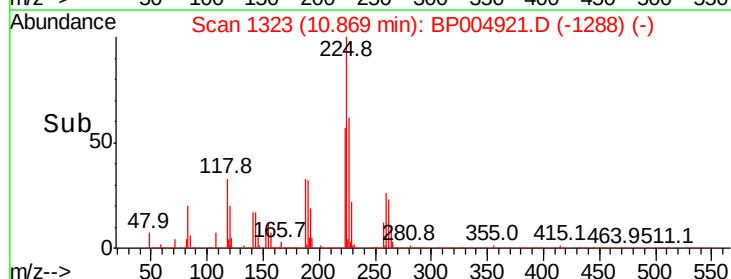
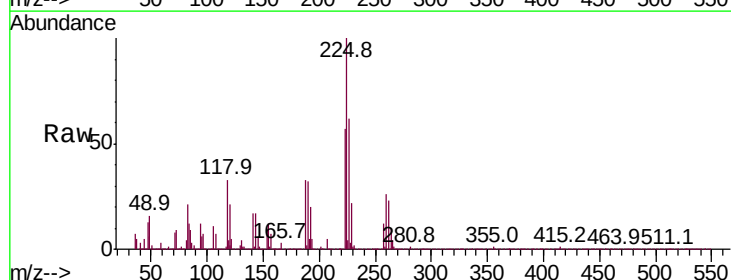
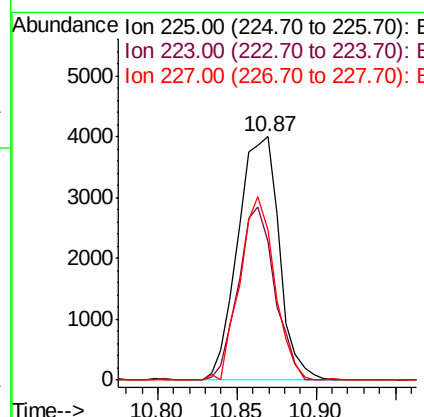
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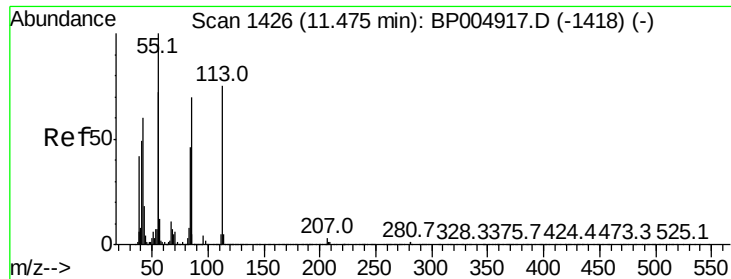
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#31  
Hexachlorobutadiene  
Concen: 3.959 ng/ul  
RT: 10.87 min Scan# 1323  
Delta R.T. 0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Tgt Ion:225 Resp: 7245  
Ion Ratio Lower Upper  
225 100  
223 57.0 53.3 79.9  
227 64.5 54.5 81.7





#32

Caprolactam

Concen: 3.495 ng/ul m

RT: 11.50 min Scan# 1430

Delta R.T. 0.03 min

Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

Instrument :

BNA\_P

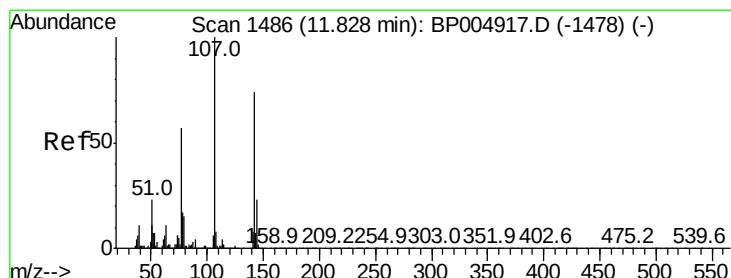
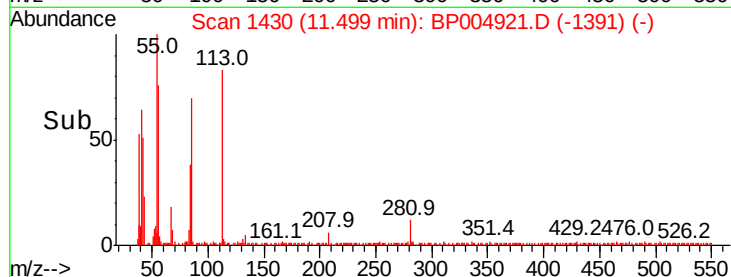
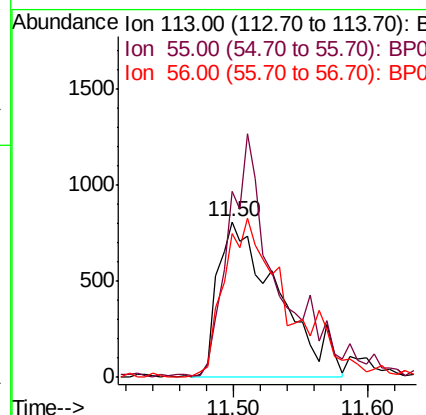
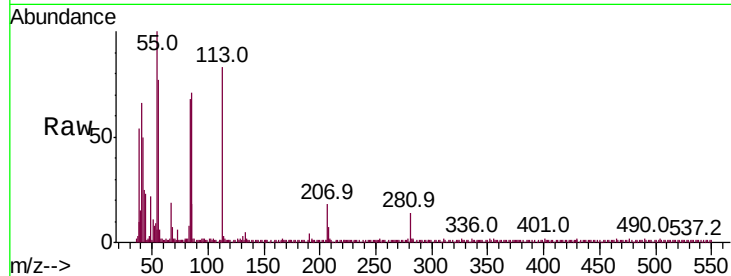
ClientSampleId :

MDL-SOIL-04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 2522   |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 119.9 | 77.4  | 116.0# |
| 56        | 92.7  | 64.6  | 97.0   |

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#33

4-Chloro-3-methylphenol

Concen: 3.708 ng/ul

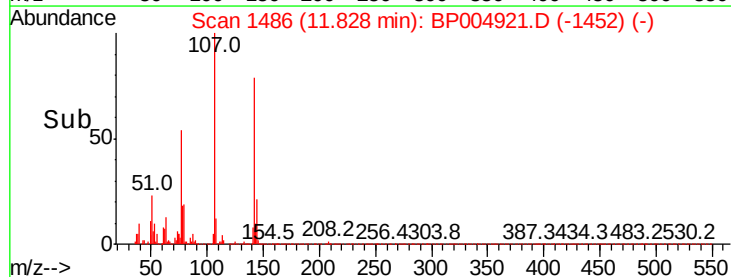
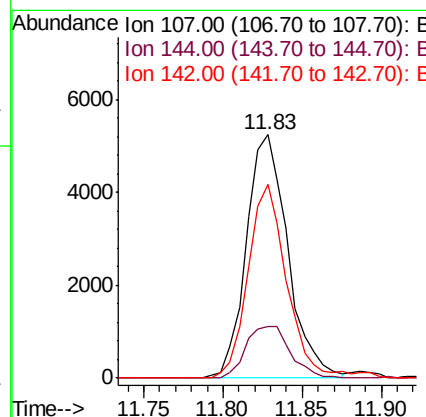
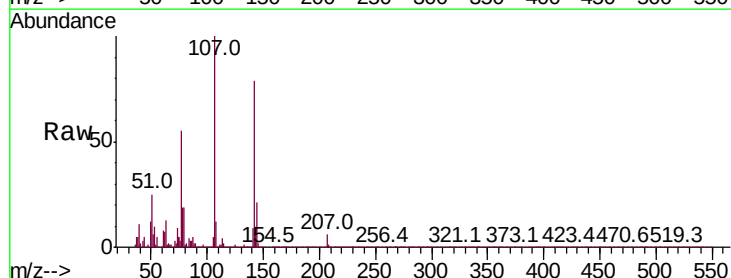
RT: 11.83 min Scan# 1486

Delta R.T. -0.00 min

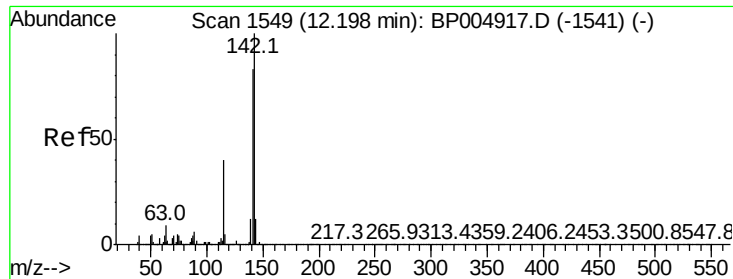
Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 107   | Resp: | 9532 |
| Ion Ratio | Lower | Upper |      |
| 107       | 100   |       |      |
| 144       | 21.3  | 20.3  | 30.5 |
| 142       | 79.5  | 61.0  | 91.4 |







#34

2-Methylnaphthalene

Concen: 3.901 ng/ul

RT: 12.20 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

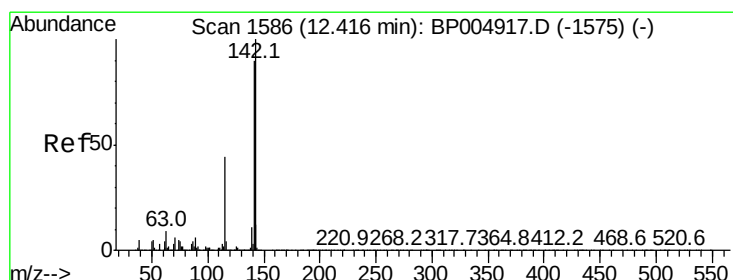
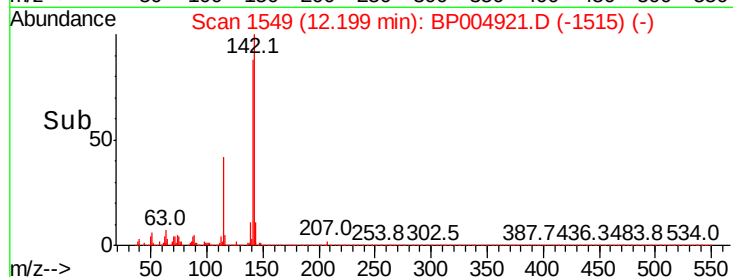
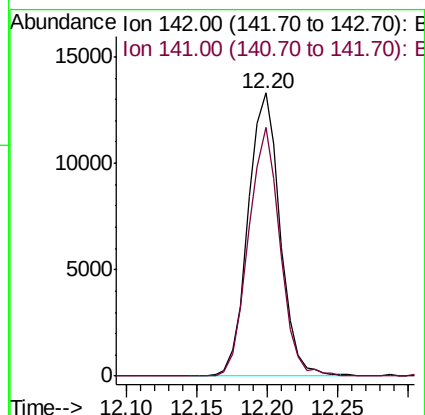
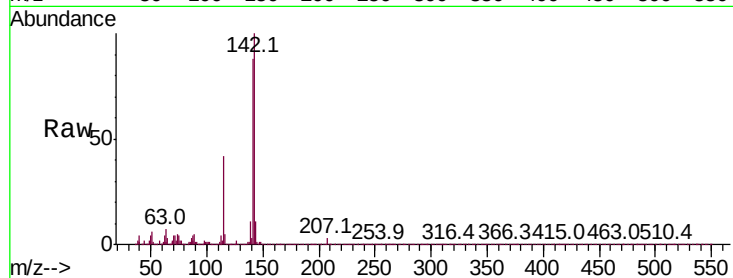
Instrument :  
BNA\_P

ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.9  | 71.7  | 107.5 |

Manual Integrations  
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#35

1-Methylnaphthalene

Concen: 3.878 ng/ul

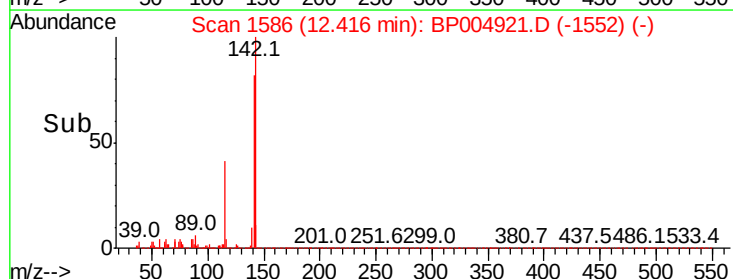
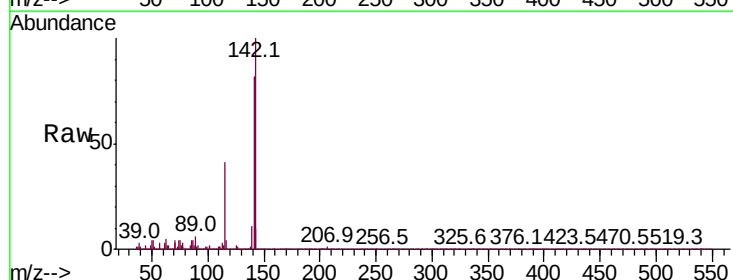
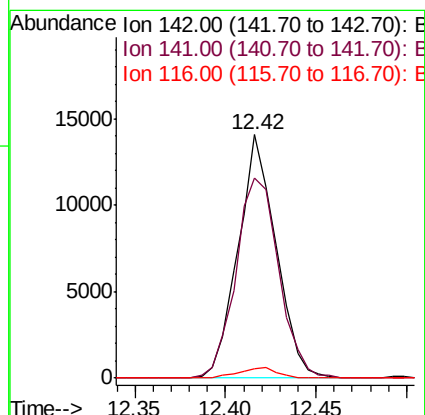
RT: 12.42 min Scan# 1586

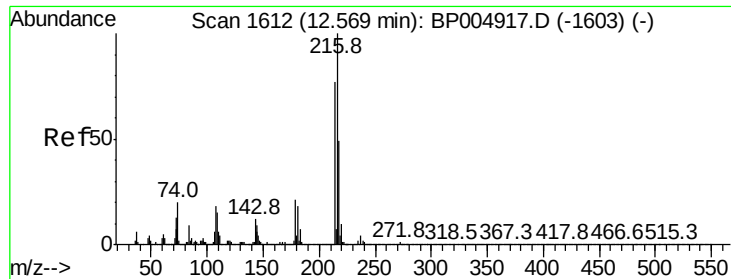
Delta R.T. -0.00 min

Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 82.1  | 70.2  | 105.4 |
| 116     | 4.0   | 3.5   | 5.3   |





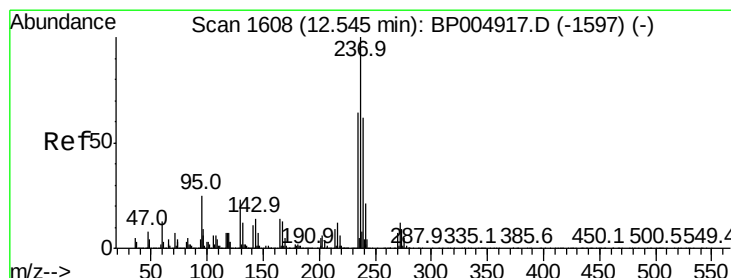
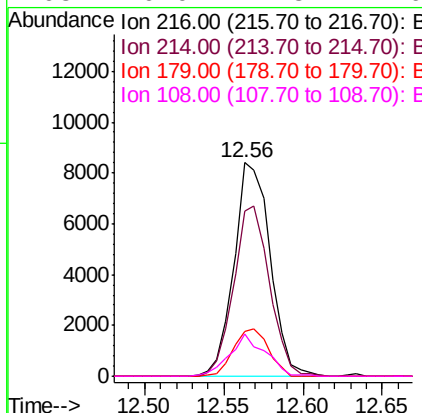
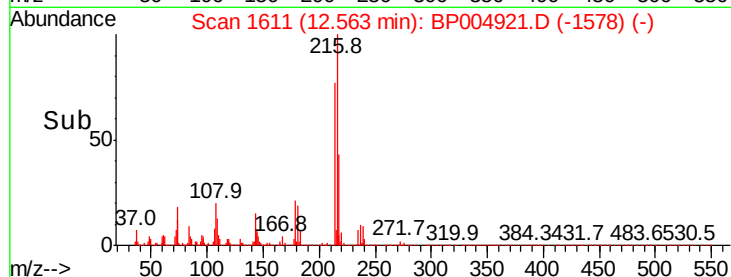
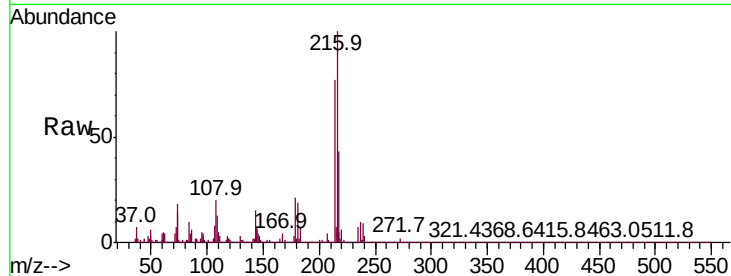
#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 3.860 ng/ul  
 RT: 12.56 min Scan# 1611  
 Delta R.T. -0.01 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-04

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 77.3  | 59.9 | 89.9  |       |
| 179     | 20.8  | 15.9 | 23.9  |       |
| 108     | 20.0  | 11.8 | 17.6  |       |

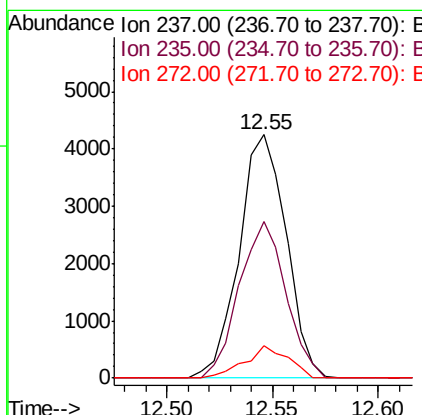
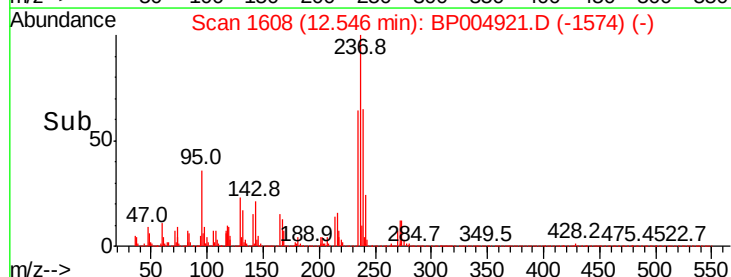
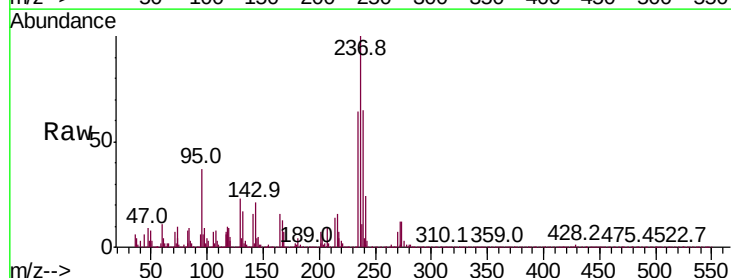
Manual Integrations  
 APPROVED

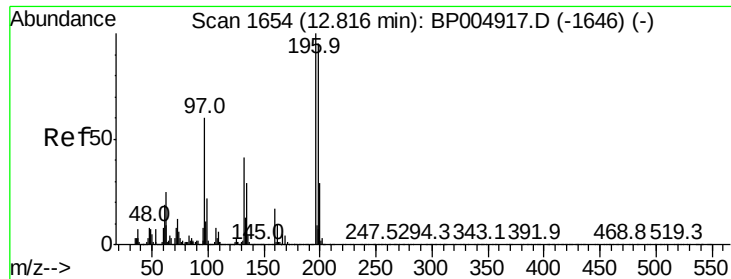
mohammad  
 3/8/2021 9:36:40 AM



#38  
 Hexachlorocyclopentadiene  
 Concen: 2.977 ng/ul  
 RT: 12.55 min Scan# 1608  
 Delta R.T. -0.00 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 237     | 100   |      |       |       |
| 235     | 64.1  | 48.9 | 73.3  |       |
| 272     | 13.2  | 11.2 | 16.8  |       |





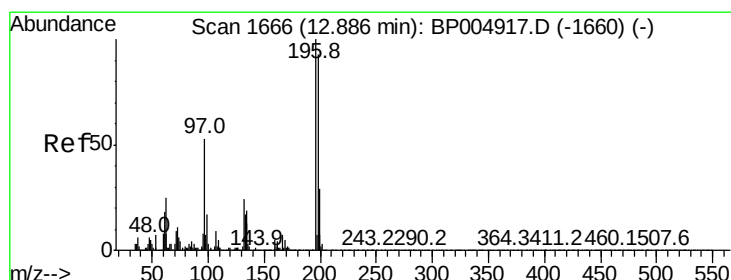
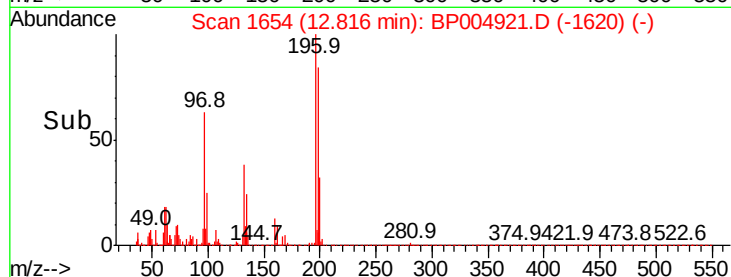
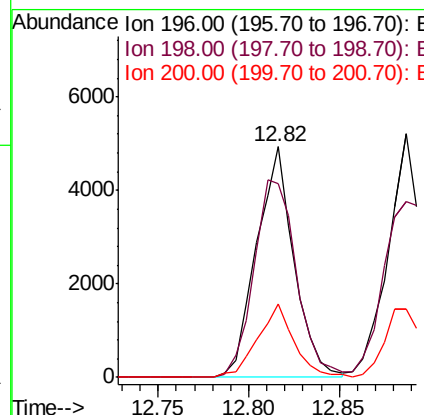
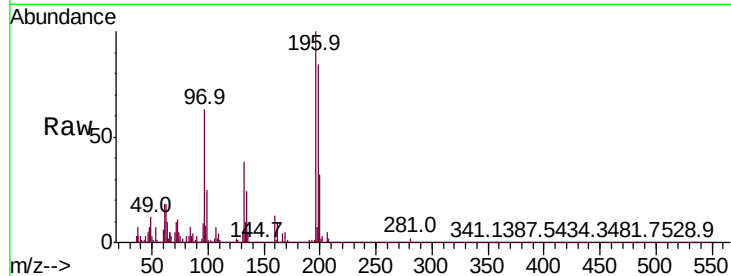
#39  
 2,4,6-Trichlorophenol  
 Concen: 3.472 ng/ul  
 RT: 12.82 min Scan# 1654  
 Delta R.T. -0.00 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 84.0  | 79.2  | 118.8 |
| 200     | 31.8  | 25.0  | 37.4  |

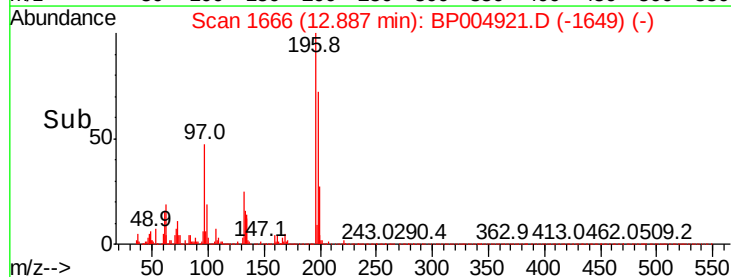
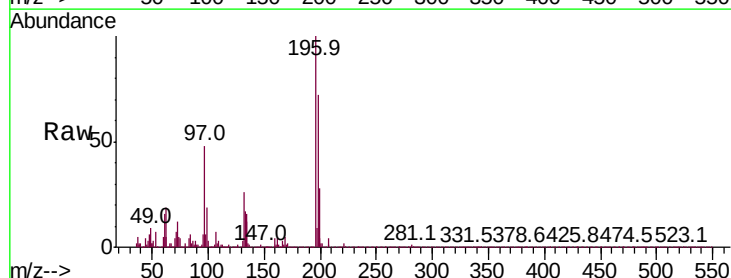
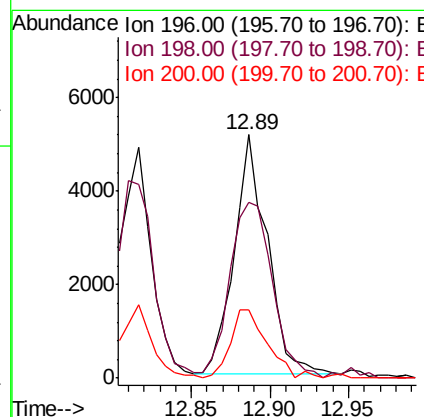
Manual Integrations  
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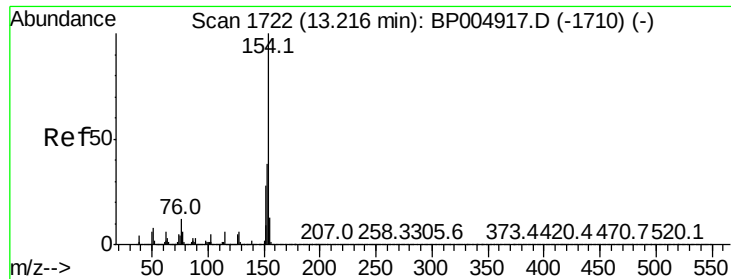
mohammad  
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#40  
 2,4,5-Trichlorophenol  
 Concen: 3.379 ng/ul m  
 RT: 12.89 min Scan# 1666  
 Delta R.T. -0.00 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 196     | 100   |       |        |
| 198     | 72.3  | 73.0  | 109.4# |
| 200     | 28.2  | 26.2  | 39.2   |





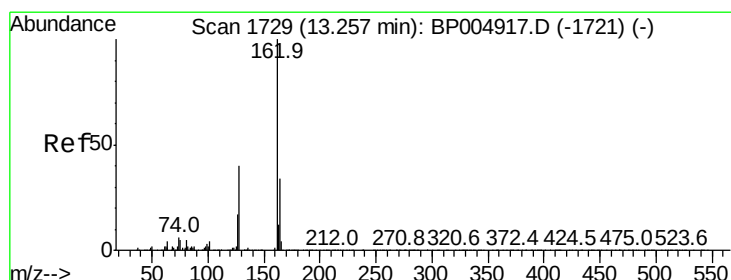
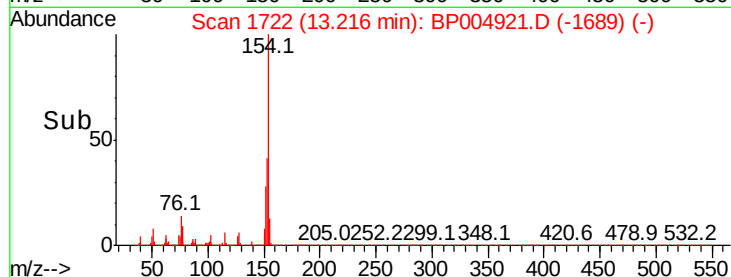
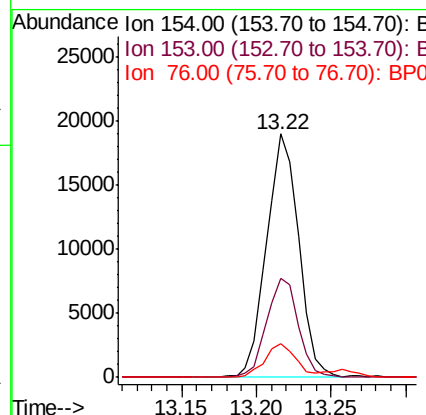
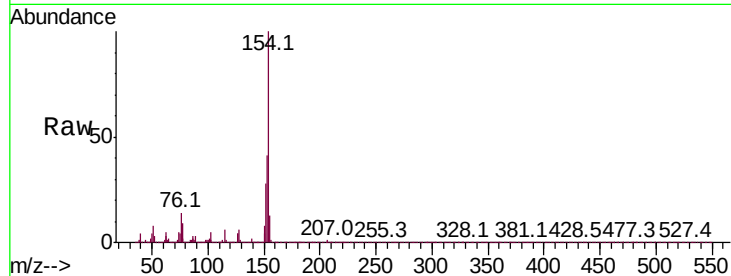
#41  
1,1'-Biphenyl  
Concen: 3.871 ng/ul  
RT: 13.22 min Scan# 1722  
Delta R.T. -0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 154     | 100   |            |            |
| 153     | 40.9  | 32.0       | 48.0       |
| 76      | 13.7  | 8.7        | 13.1       |

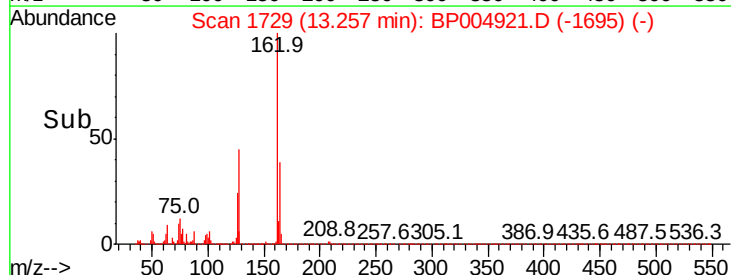
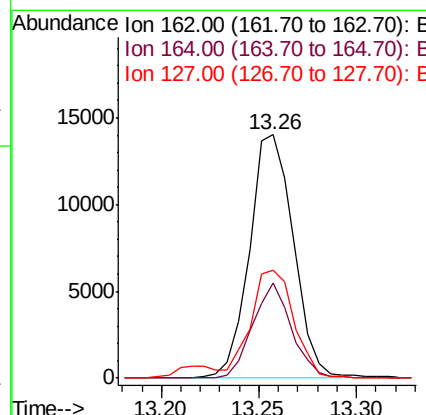
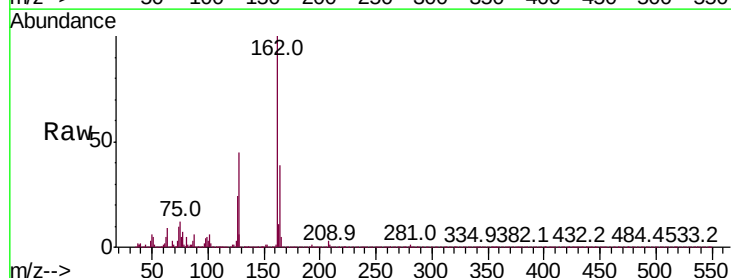
Manual Integrations  
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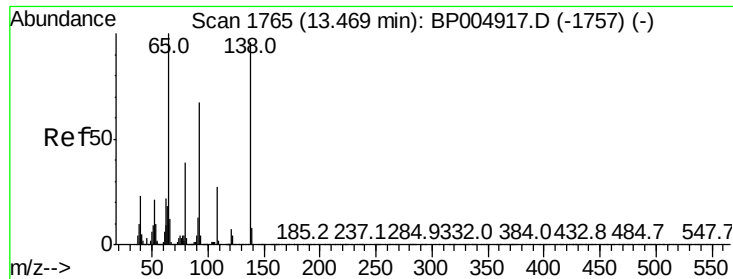
mohammad  
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#42  
2-Chloronaphthalene  
Concen: 3.728 ng/ul  
RT: 13.26 min Scan# 1729  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 39.1  | 25.4       | 38.0       |
| 127     | 44.5  | 31.6       | 47.4       |





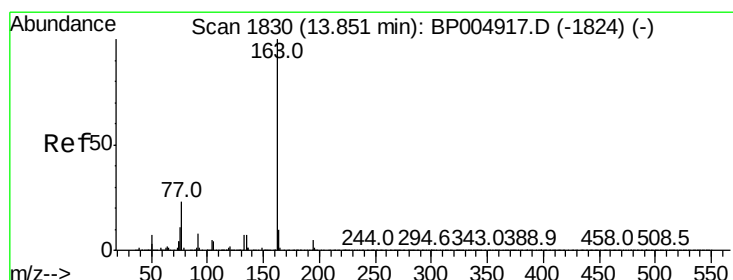
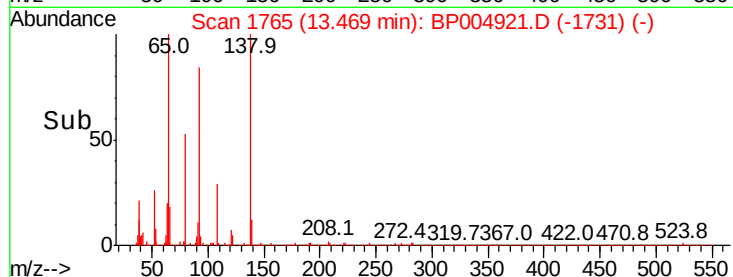
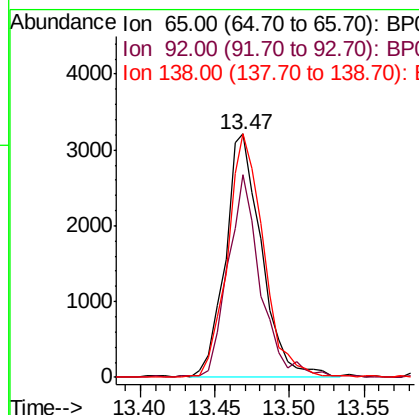
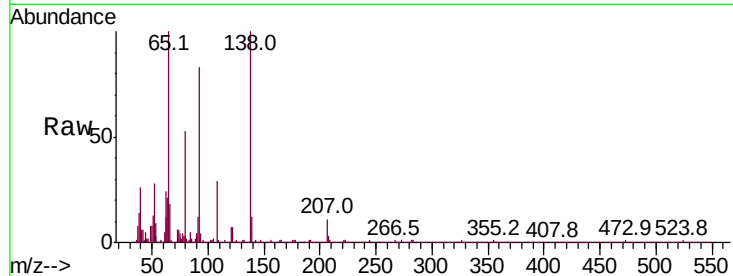
#43  
2-Nitroaniline  
Concen: 3.503 ng/ul  
RT: 13.47 min Scan# 1765  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 83.6  | 59.9  | 89.9  |
| 138     | 100.1 | 84.2  | 126.2 |

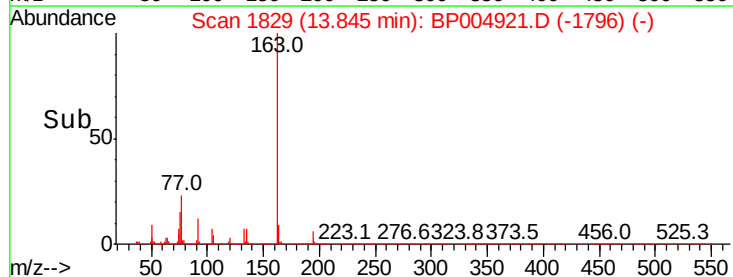
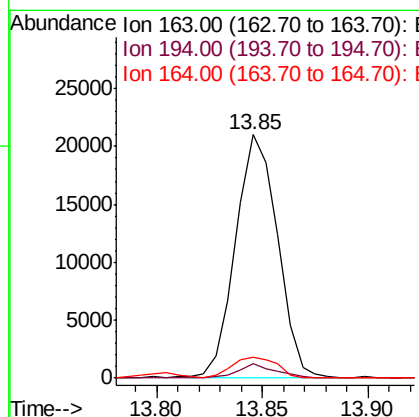
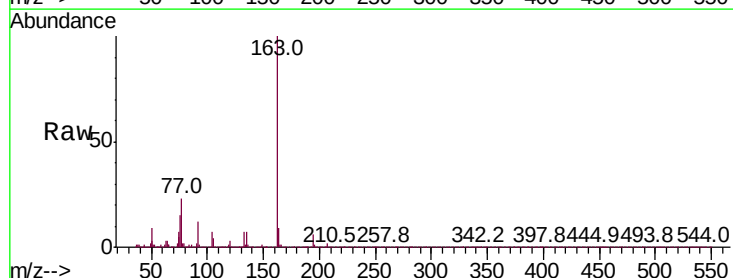
Manual Integrations  
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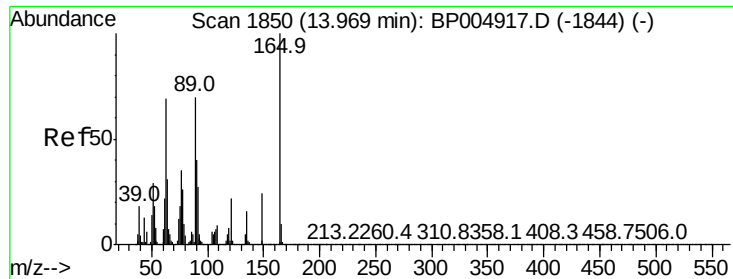
mohammad  
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#45  
Dimethylphthalate  
Concen: 3.894 ng/ul  
RT: 13.85 min Scan# 1829  
Delta R.T. -0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.9   | 3.5   | 5.3#  |
| 164     | 8.7   | 8.0   | 12.0  |





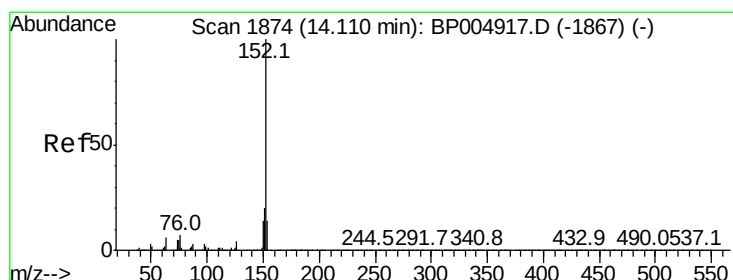
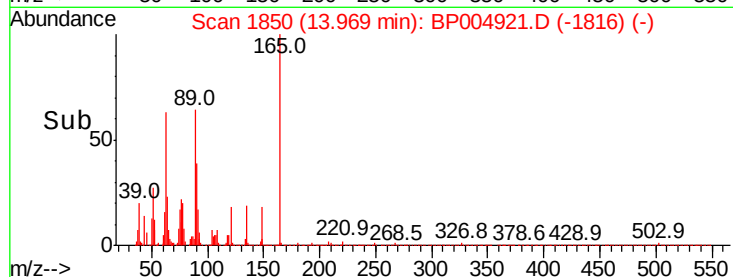
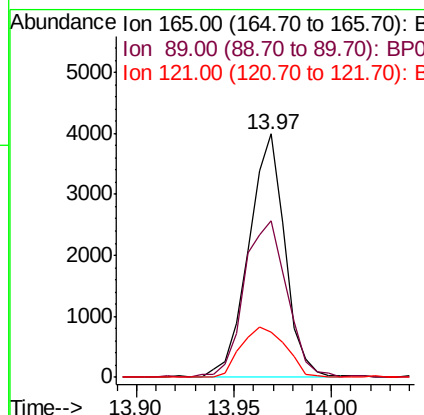
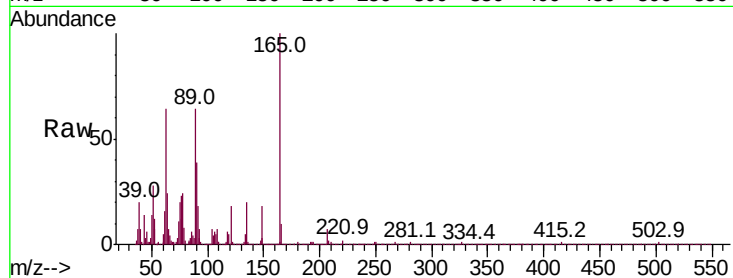
#46  
2,6-Dinitrotoluene  
Concen: 3.425 ng/ul  
RT: 13.97 min Scan# 1850  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 89      | 64.2  | 49.8  | 74.6  |
| 121     | 18.5  | 17.7  | 26.5  |

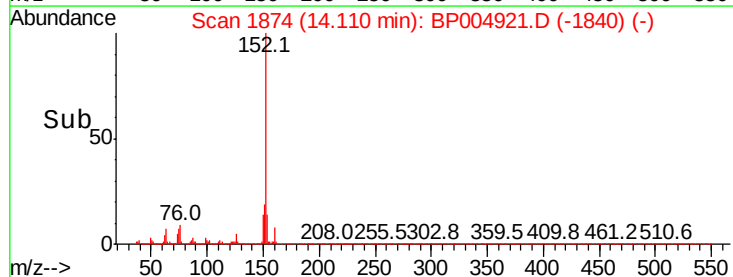
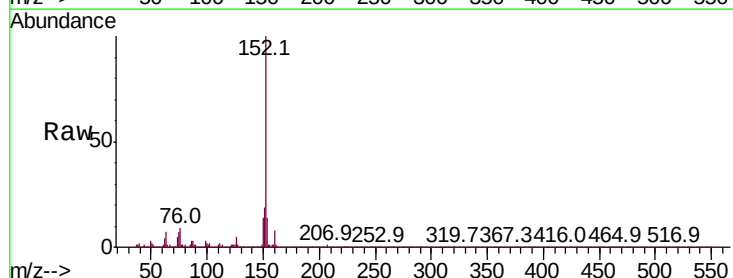
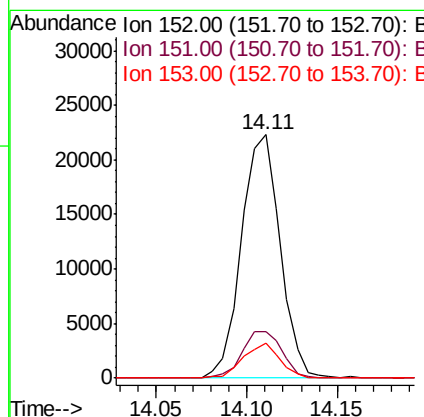
Manual Integrations  
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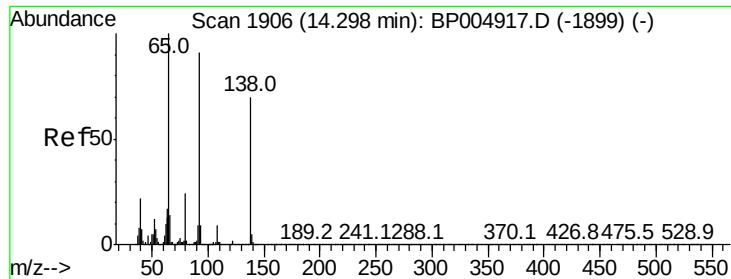
mohammad  
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#48  
Acenaphthylene  
Concen: 3.946 ng/ul  
RT: 14.11 min Scan# 1874  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.3  | 16.8  | 25.2  |
| 153     | 14.2  | 10.0  | 15.0  |





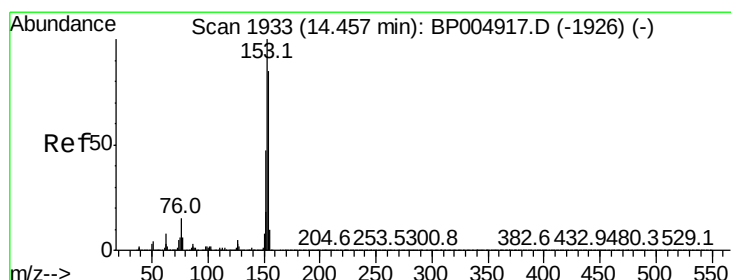
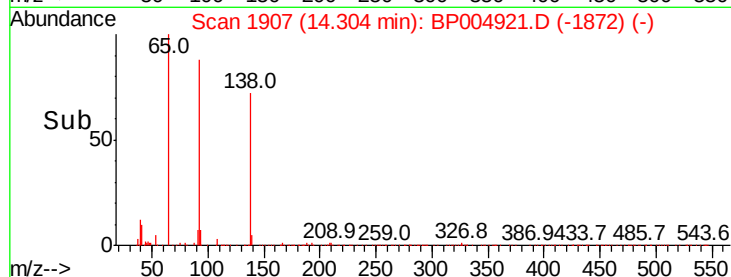
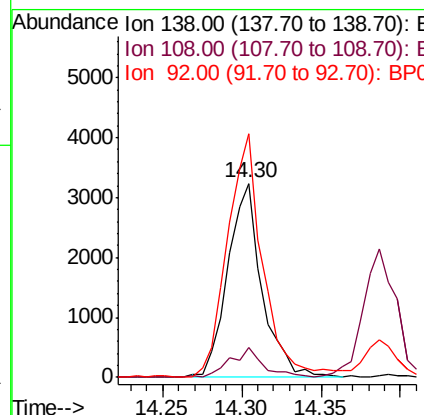
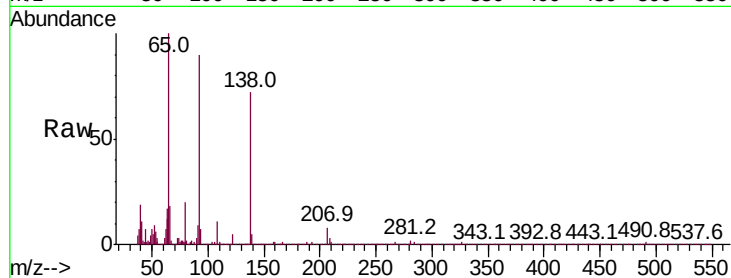
#49  
3-Nitroaniline  
Concen: 3.703 ng/ul  
RT: 14.30 min Scan# 1907  
Delta R.T. 0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampled :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 15.5  | 10.0  | 15.0# |
| 92      | 125.5 | 98.3  | 147.5 |

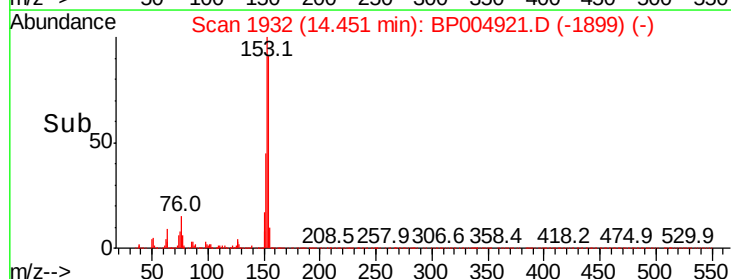
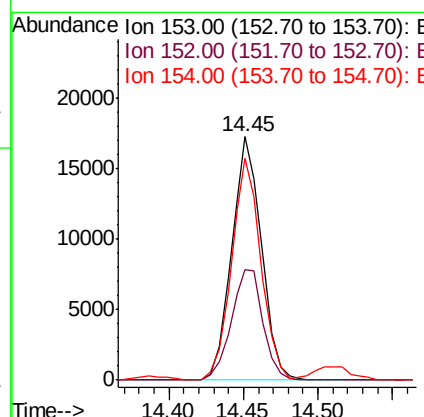
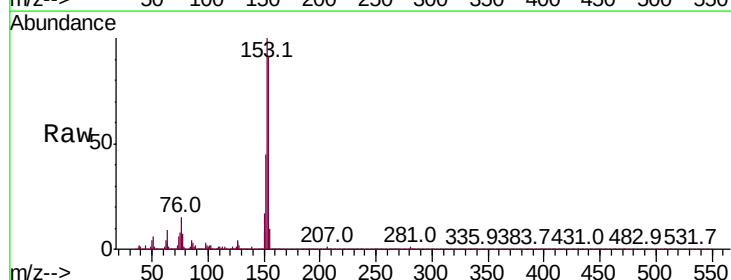
Manual Integrations  
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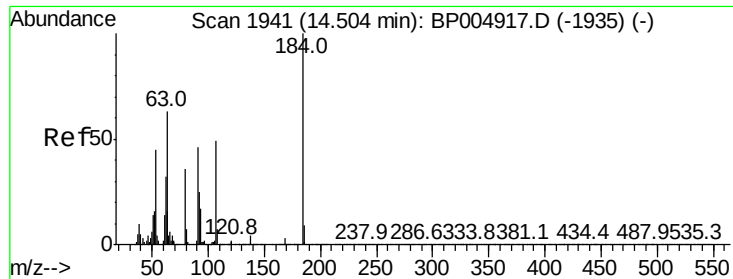
mohammad  
3/8/2021 9:36:40 AM



#50  
Acenaphthene  
Concen: 3.909 ng/ul  
RT: 14.45 min Scan# 1932  
Delta R.T. -0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 45.4  | 37.1  | 55.7  |
| 154     | 91.4  | 69.8  | 104.8 |





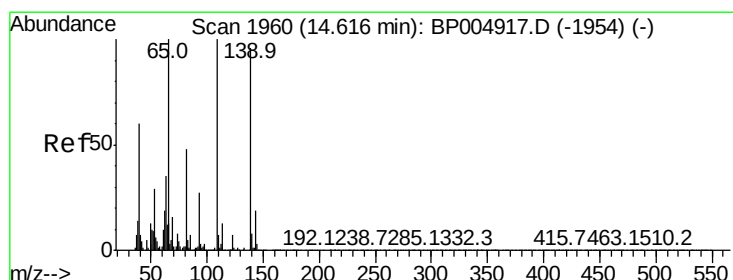
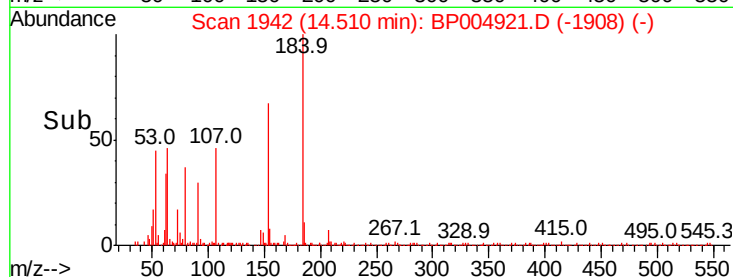
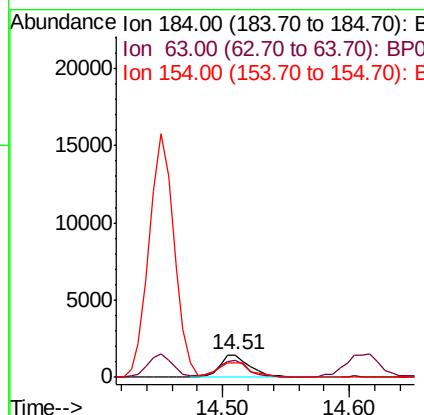
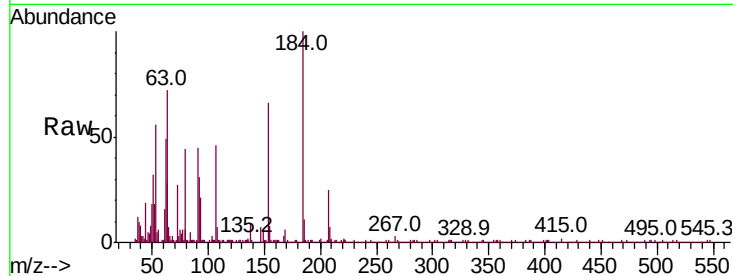
#51  
2,4-Dinitrophenol  
Concen: 2.402 ng/ul  
RT: 14.51 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 72.4  | 57.0  | 85.4  |
| 154     | 66.5  | 52.2  | 78.2  |

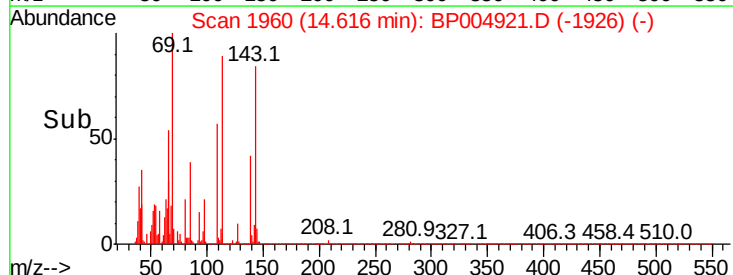
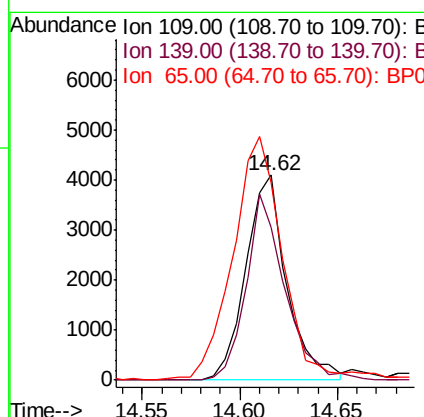
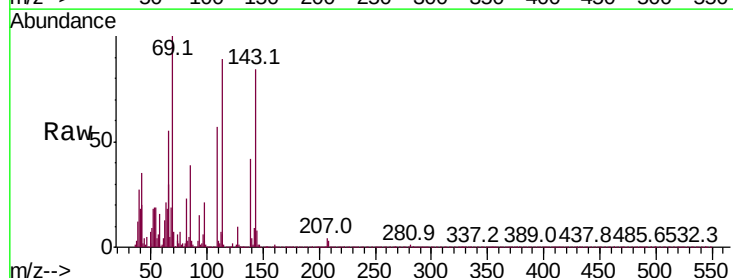
Manual Integrations  
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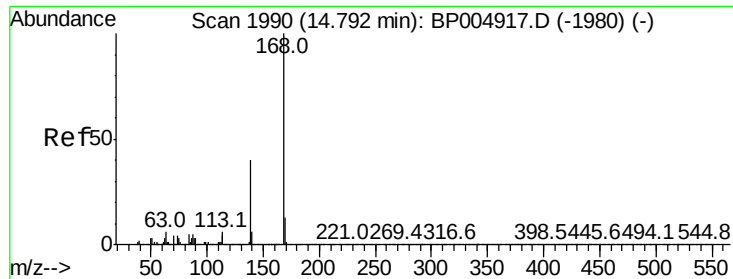


#53  
4-Nitrophenol  
Concen: 4.517 ng/ul  
RT: 14.62 min Scan# 1960  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 109     | 100   |       |        |
| 139     | 74.8  | 86.4  | 129.6# |
| 65      | 96.3  | 92.2  | 138.2  |







#54

Dibenzofuran

Concen: 3.934 ng/ul

RT: 14.79 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

Instrument :

BNA\_P

ClientSampled :

MDL-SOIL-04

Tot Ion:168 Resp: 35361

Ion Ratio Lower Upper

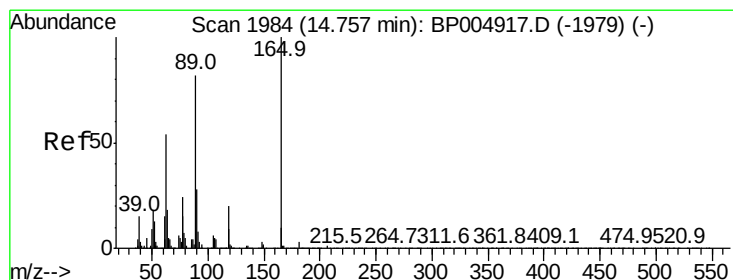
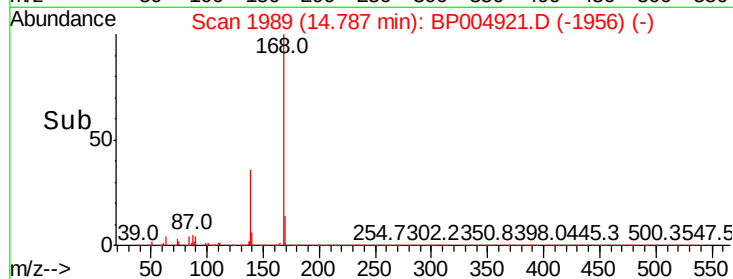
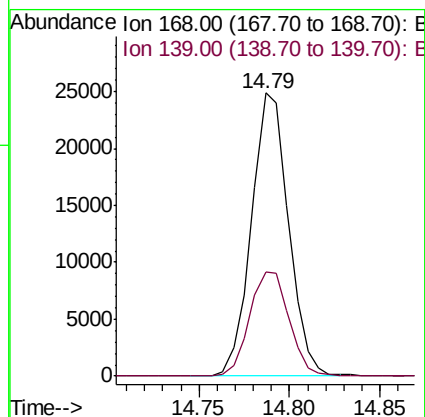
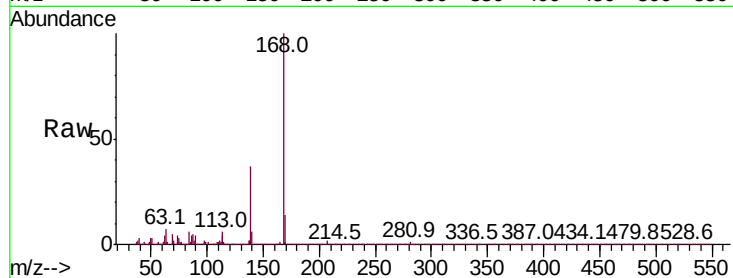
168 100

139 36.6 30.2 45.4

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#55

2,4-Dinitrotoluene

Concen: 3.528 ng/ul

RT: 14.76 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

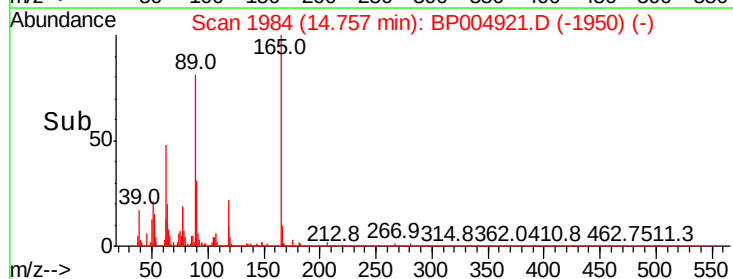
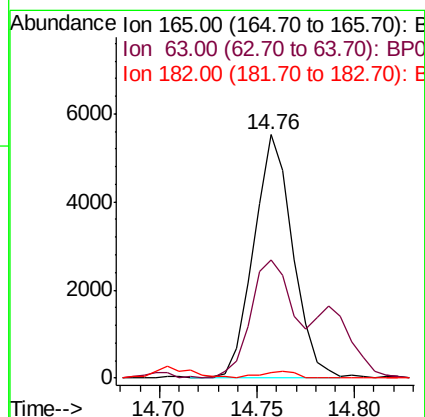
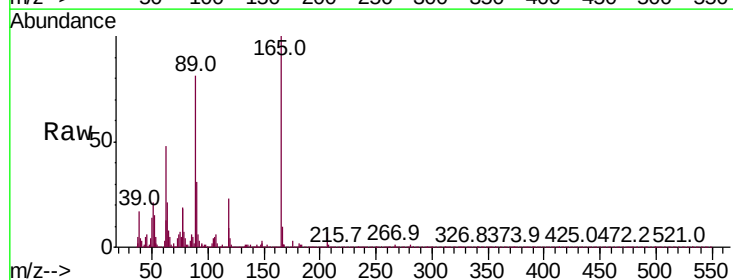
Tgt Ion:165 Resp: 7656

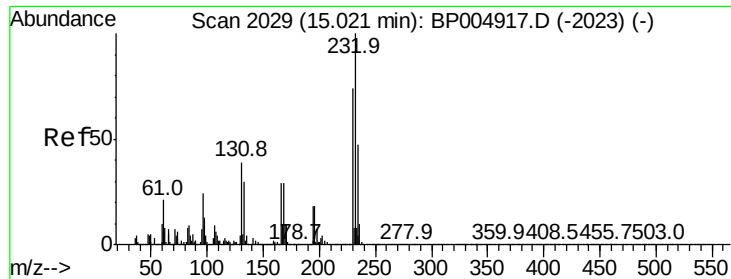
Ion Ratio Lower Upper

165 100

63 48.5 40.2 60.2

182 2.4 3.0 4.4#





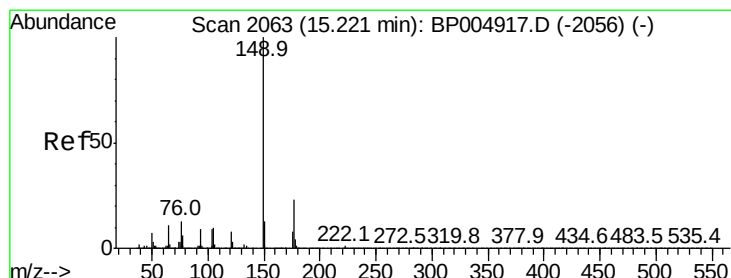
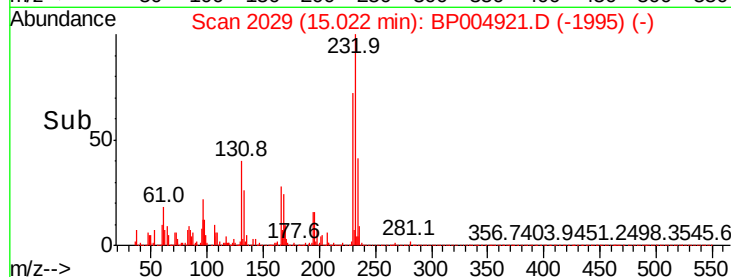
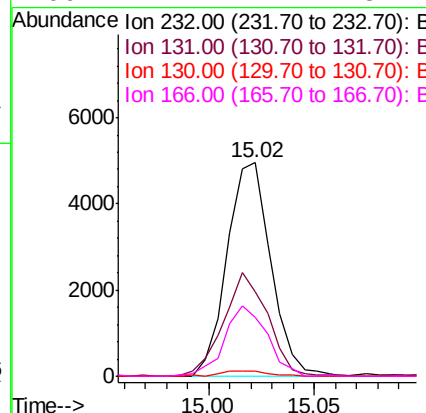
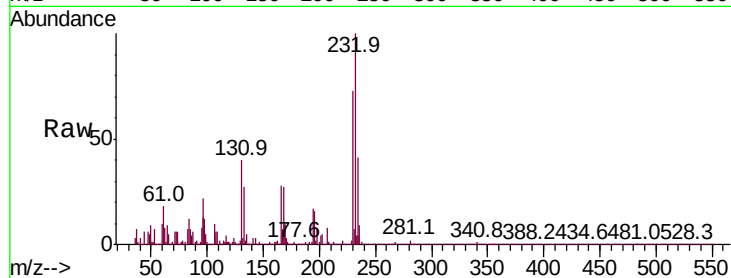
#56  
2,3,4,6-Tetrachlorophenol  
Concen: 3.418 ng/ul  
RT: 15.02 min Scan# 2029  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 232   | Resp: | 7108 |
| Ion Ratio | Lower | Upper |      |
| 232       | 100   |       |      |
| 131       | 39.8  | 31.7  | 47.5 |
| 130       | 2.4   | 1.8   | 2.8  |
| 166       | 27.7  | 21.4  | 32.2 |

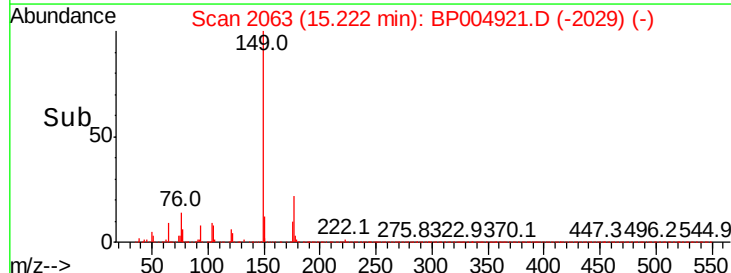
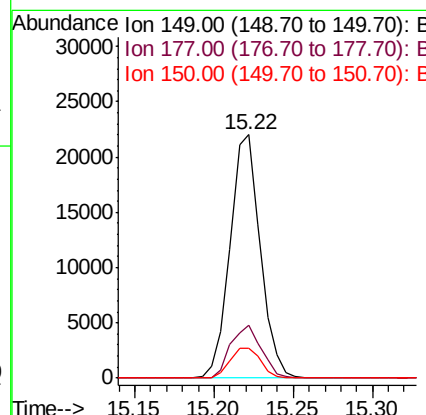
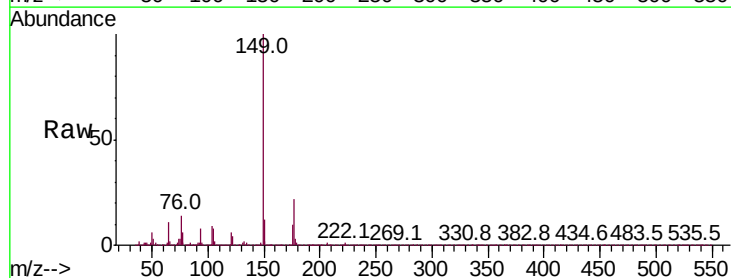
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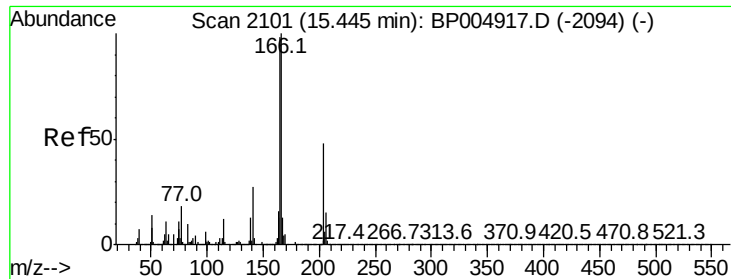
mohammad  
3/8/2021 9:36:40 AM



#57  
Diethylphthalate  
Concen: 3.968 ng/ul  
RT: 15.22 min Scan# 2063  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 29161 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 177       | 21.8  | 19.1  | 28.7  |
| 150       | 12.2  | 11.0  | 16.6  |





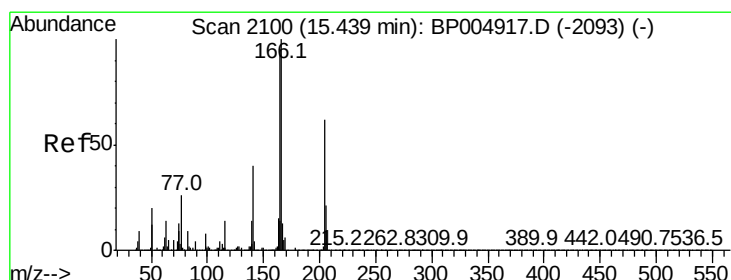
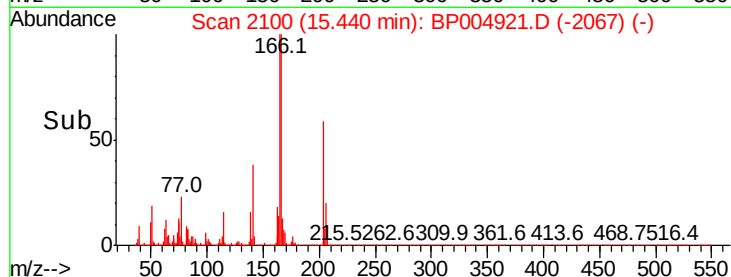
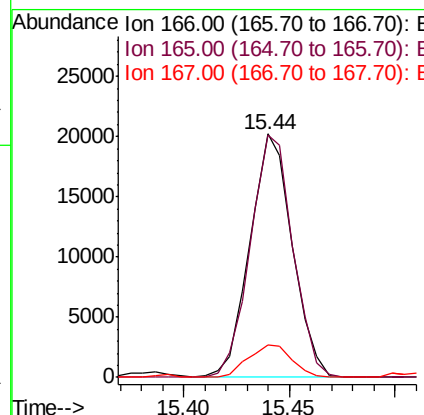
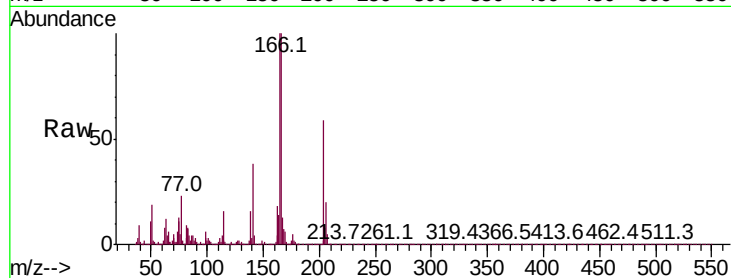
#59  
Fluorene  
Concen: 3.754 ng/ul  
RT: 15.44 min Scan# 2100  
Delta R.T. -0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.6  | 77.8  | 116.6 |
| 167     | 13.4  | 10.3  | 15.5  |

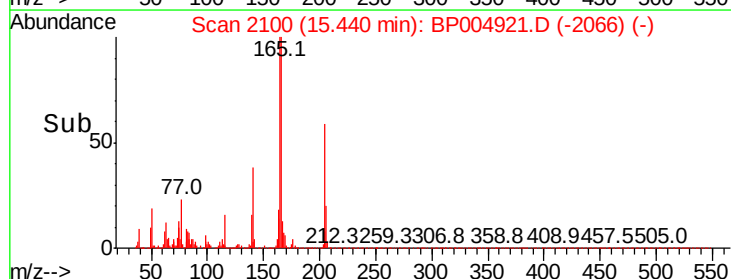
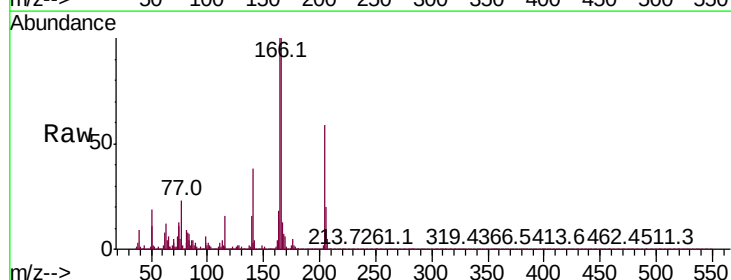
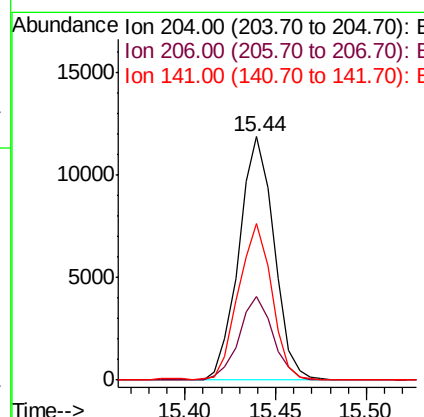
Manual Integrations  
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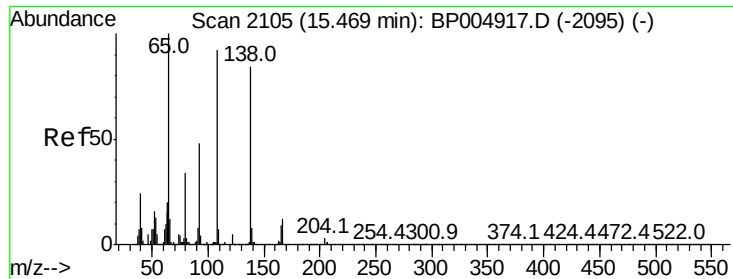
mohammad  
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#60  
4-Chlorophenyl-phenylether  
Concen: 3.834 ng/ul  
RT: 15.44 min Scan# 2100  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 34.3  | 25.3  | 37.9  |
| 141     | 64.5  | 47.0  | 70.6  |





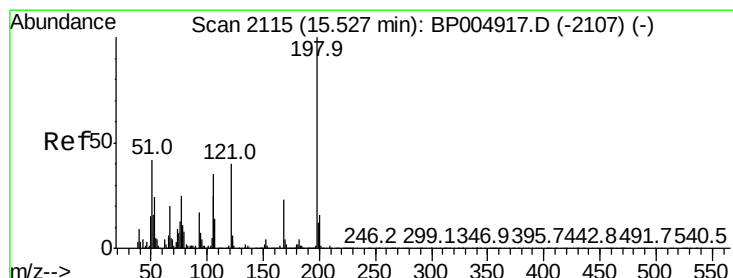
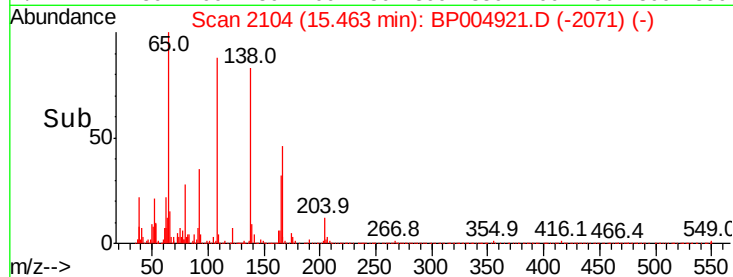
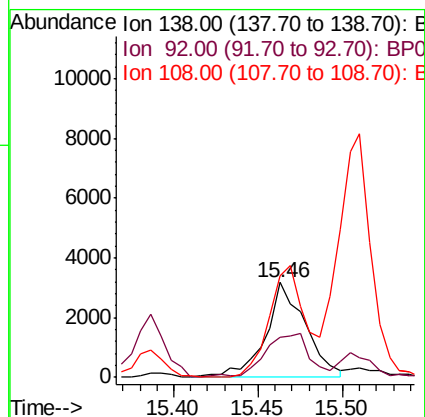
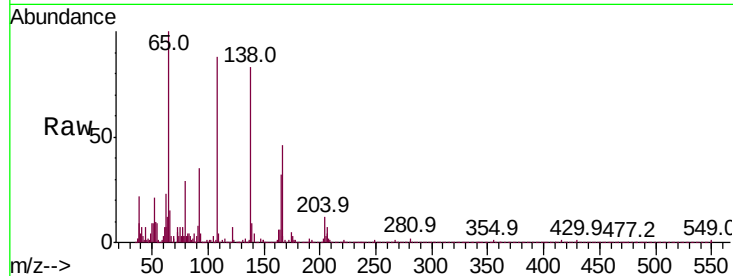
#61  
4-Nitroaniline  
Concen: 3.423 ng/ul  
RT: 15.46 min Scan# 2104  
Delta R.T. -0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampled :  
MDL-SOIL-04

Tot Ion:138 Resp: 5150  
Ion Ratio Lower Upper  
138 100  
92 43.0 45.7 68.5#  
108 107.1 81.4 122.2

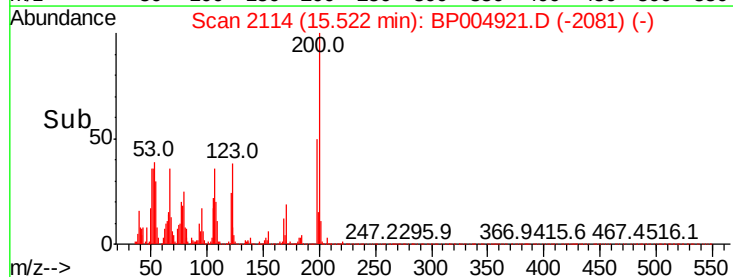
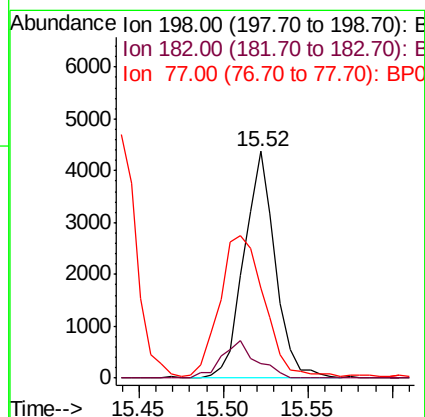
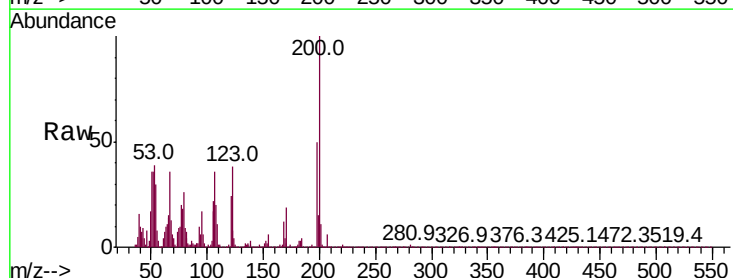
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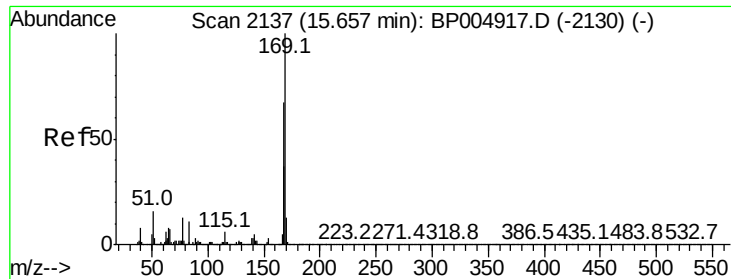
mohammad  
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 3.721 ng/ul  
RT: 15.52 min Scan# 2114  
Delta R.T. -0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Tgt Ion:198 Resp: 5628  
Ion Ratio Lower Upper  
198 100  
182 6.3 3.0 4.6#  
77 40.0 23.0 34.4#





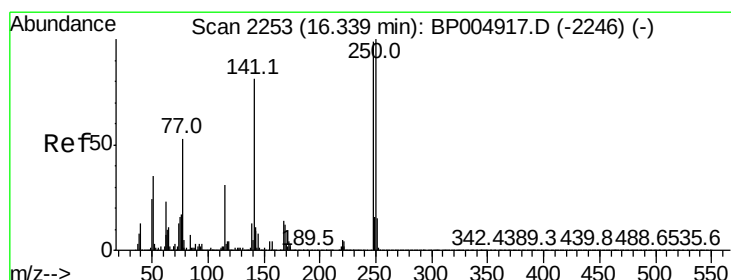
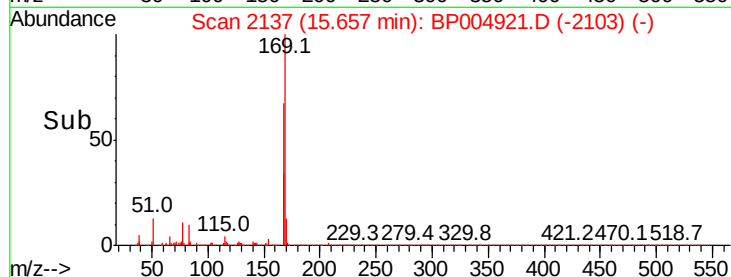
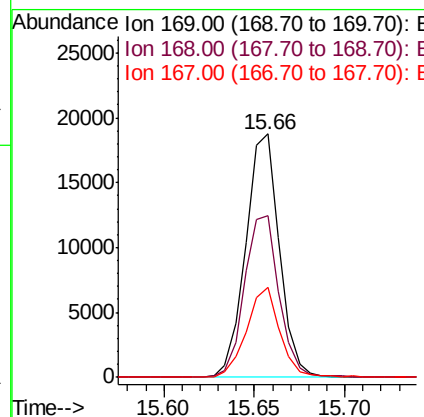
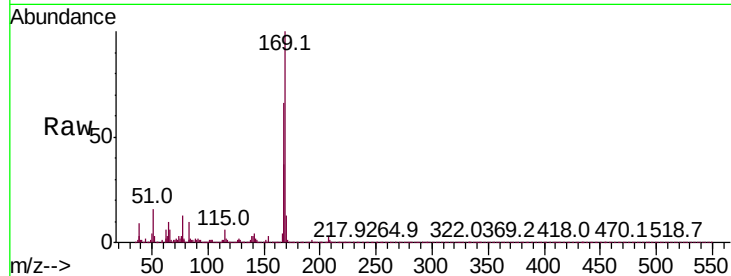
#65  
N-Nitrosodiphenylamine  
Concen: 3.732 ng/ul  
RT: 15.66 min Scan# 2137  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 66.4  | 52.8  | 79.2  |
| 167     | 36.9  | 27.8  | 41.6  |

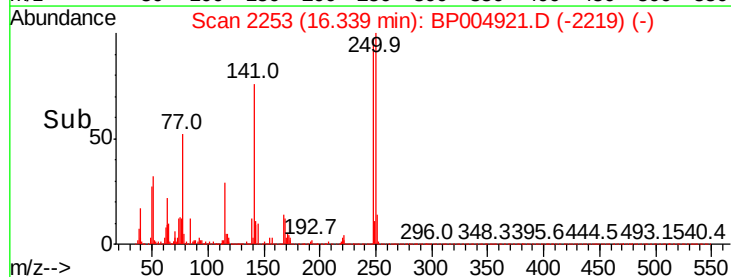
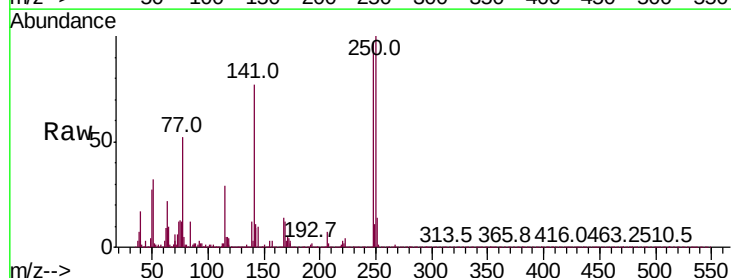
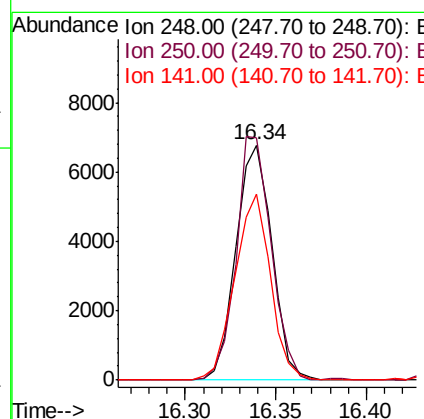
Manual Integrations  
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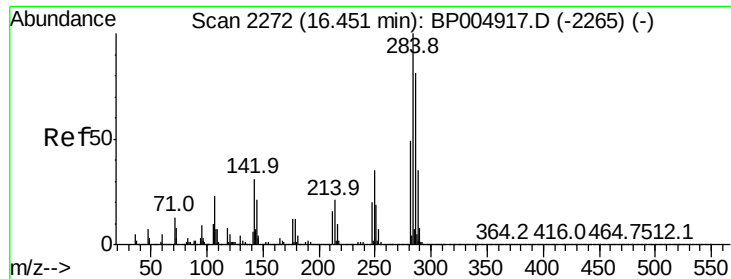
mohammad  
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#66  
4-Bromophenyl-phenylether  
Concen: 3.575 ng/ul  
RT: 16.34 min Scan# 2253  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 103.3 | 82.2  | 123.2 |
| 141     | 79.1  | 57.7  | 86.5  |





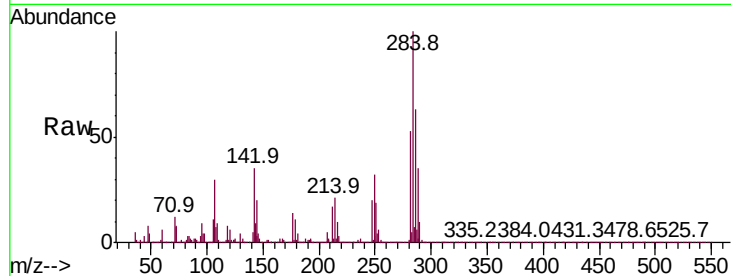
#67  
Hexachlorobenzene  
Concen: 3.871 ng/ul  
RT: 16.45 min Scan# 2271  
Delta R.T. -0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

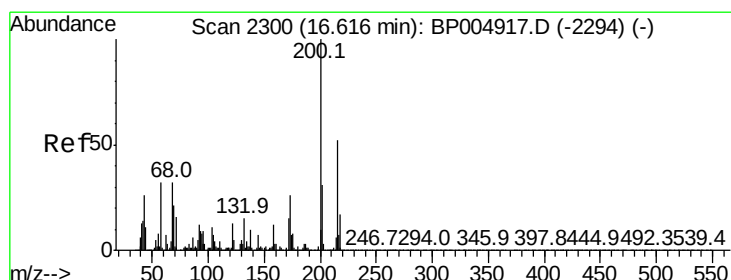
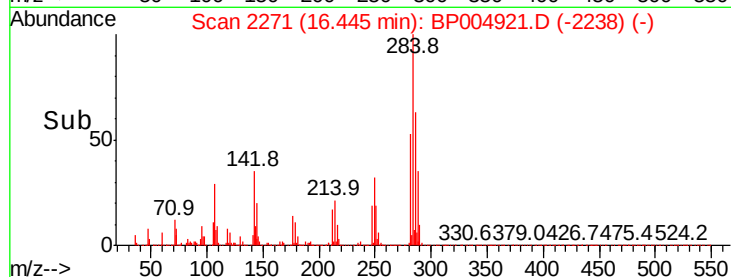
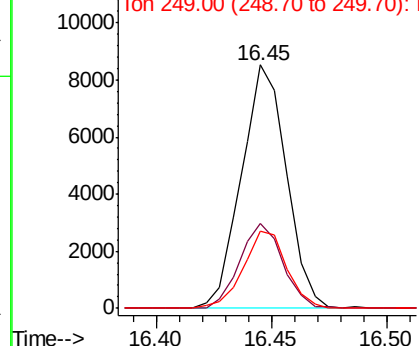
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 284     | 100   |      |       |       |
| 142     | 34.9  | 23.6 | 35.4  |       |
| 249     | 34.2  | 26.2 | 39.2  |       |

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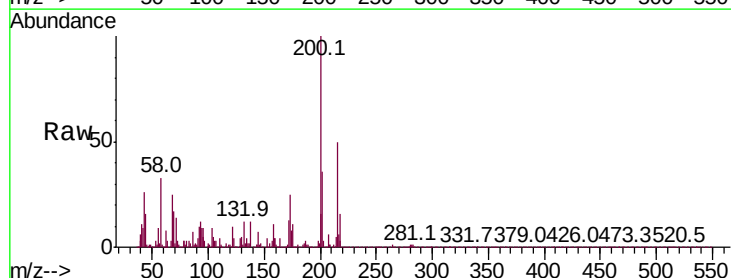


Abundance Ion 284.00 (283.70 to 284.70): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

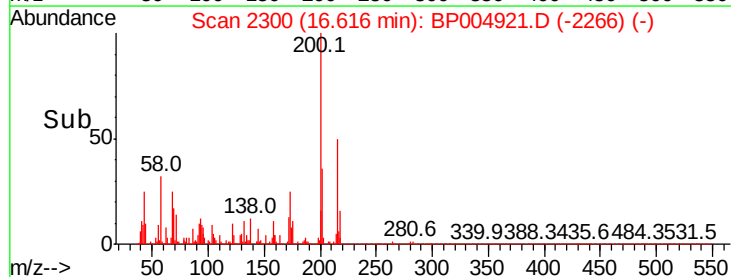
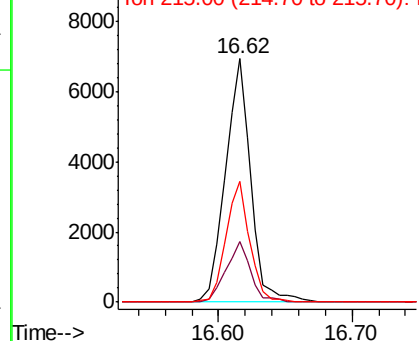


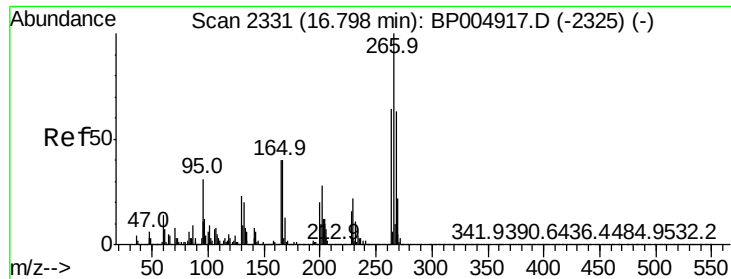
#68  
Atrazine  
Concen: 3.521 ng/ul  
RT: 16.62 min Scan# 2300  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 200     | 100   |      |       |       |
| 173     | 24.8  | 19.6 | 29.4  |       |
| 215     | 49.6  | 41.0 | 61.6  |       |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





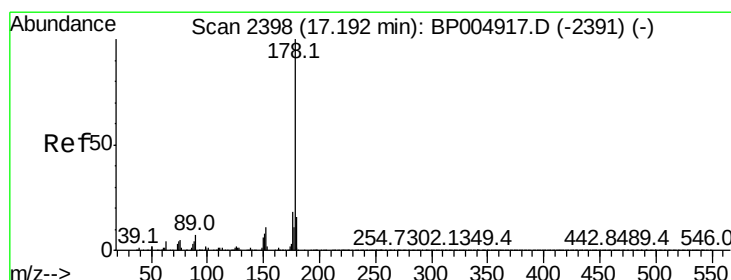
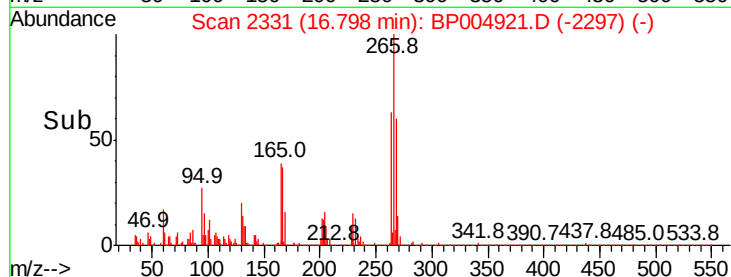
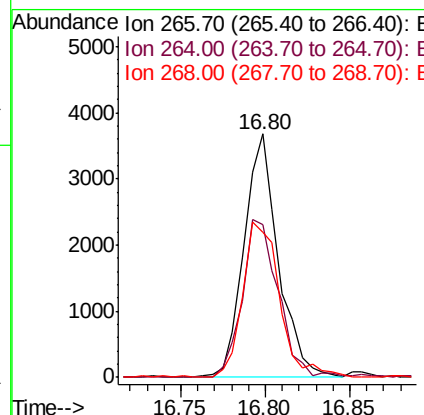
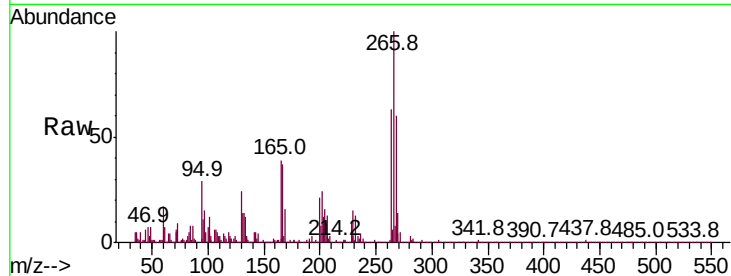
#69  
 Pentachlorophenol  
 Concen: 2.809 ng/ul  
 RT: 16.80 min Scan# 2331  
 Delta R.T. -0.00 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-04

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 266   | Resp: | 5213 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 62.8  | 51.6  | 77.4 |
| 268       | 59.7  | 56.6  | 85.0 |

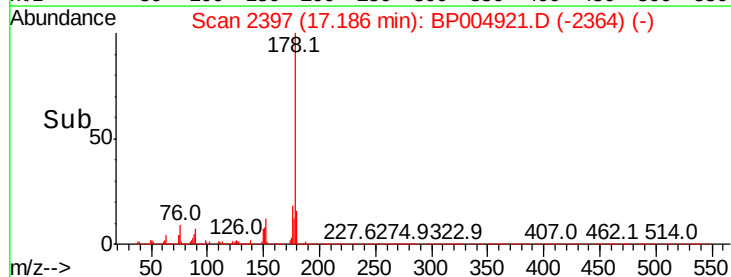
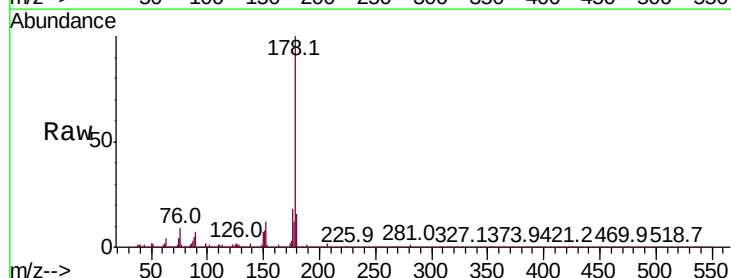
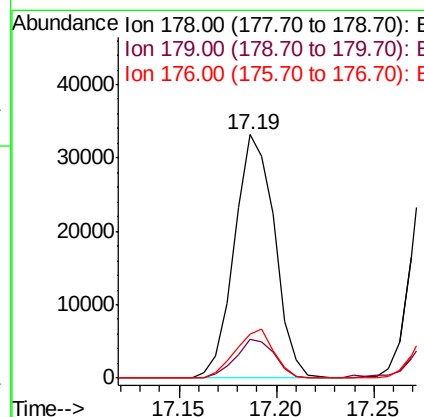
Manual Integrations  
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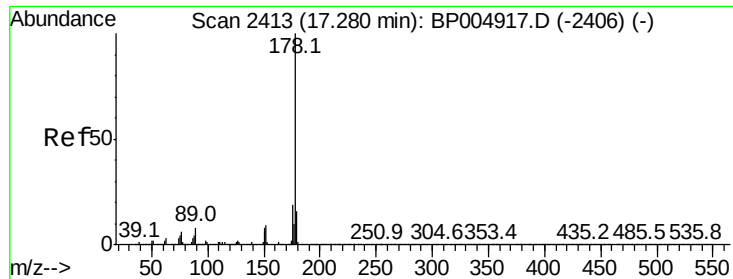
mohammad  
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#70  
 Phenanthrene  
 Concen: 3.876 ng/ul  
 RT: 17.19 min Scan# 2397  
 Delta R.T. -0.01 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 47195 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.1  | 12.1  | 18.1  |
| 176       | 18.1  | 15.0  | 22.6  |





#72

Anthracene

Concen: 3.887 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

Instrument :

BNA\_P

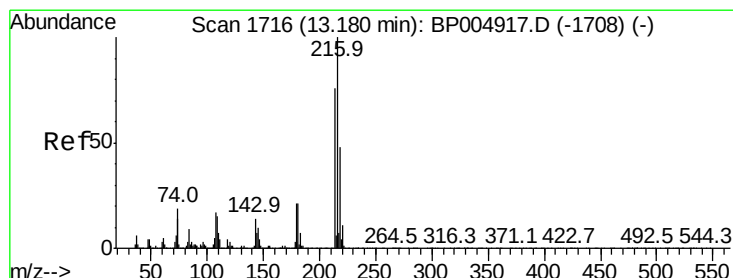
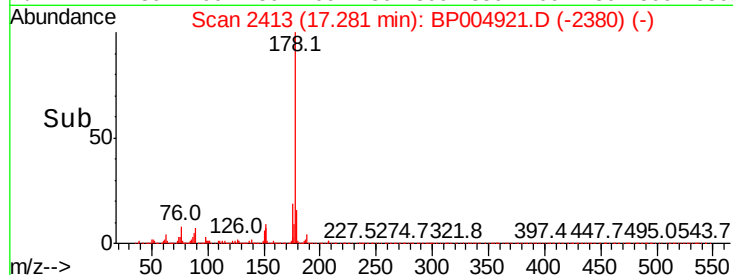
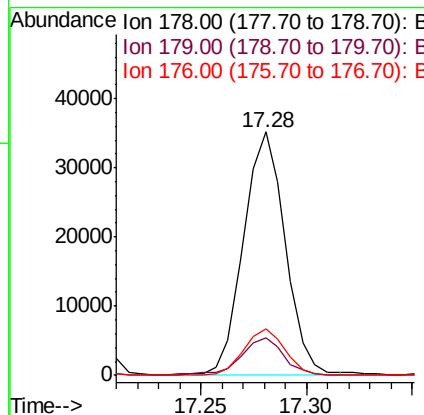
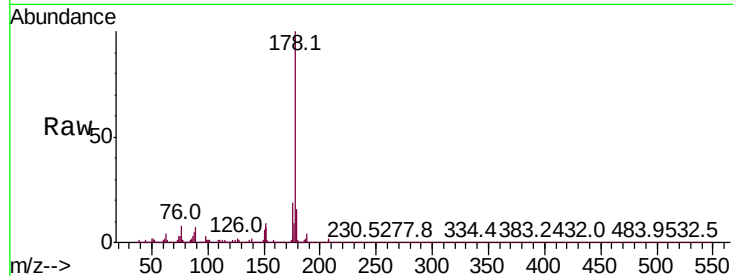
ClientSampleId :

MDL-SOIL-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 48204 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 15.6  | 11.8  | 17.8  |
| 176       | 19.1  | 14.5  | 21.7  |

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#73

1,2,3,4-Tetrachlorobenzene

Concen: 3.786 ng/uL

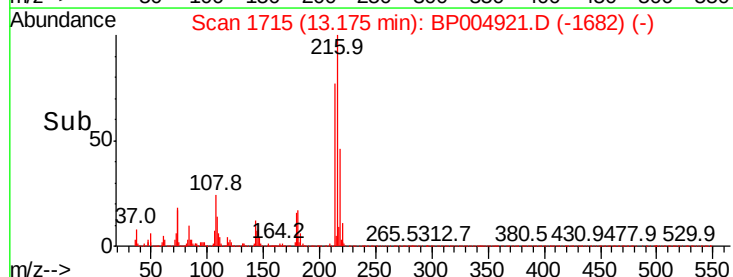
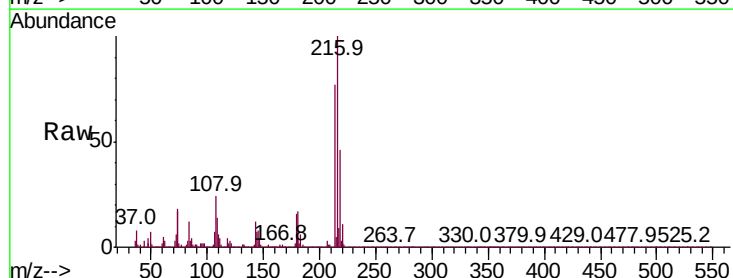
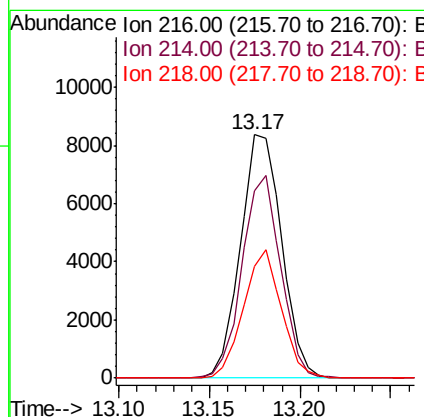
RT: 13.17 min Scan# 1715

Delta R.T. -0.01 min

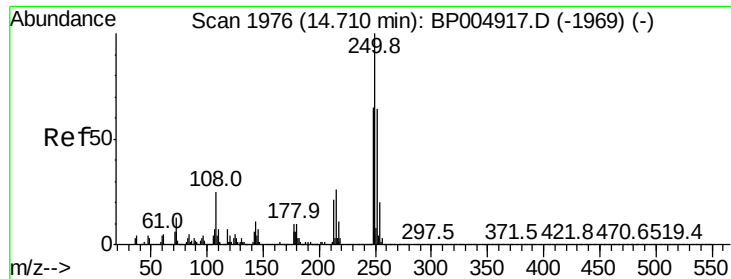
Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 13240 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 76.9  | 62.2  | 93.2  |
| 218       | 45.8  | 40.5  | 60.7  |







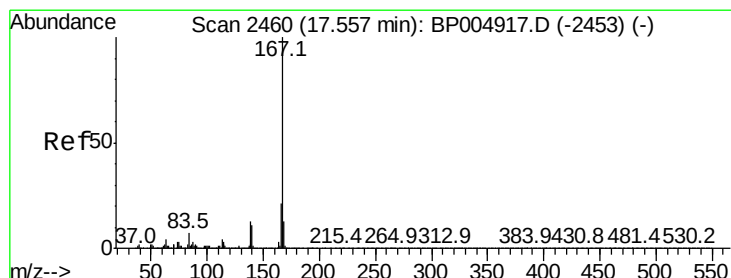
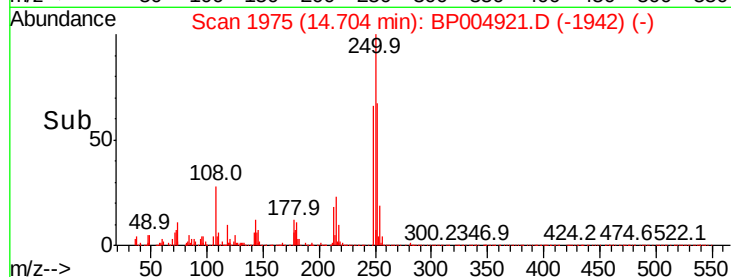
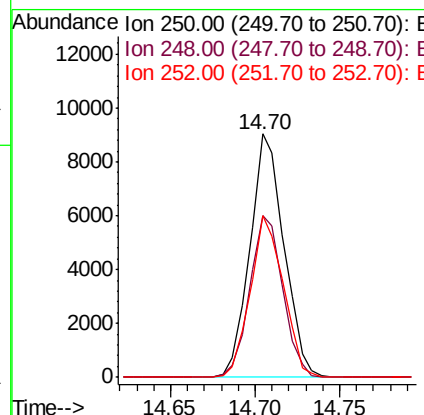
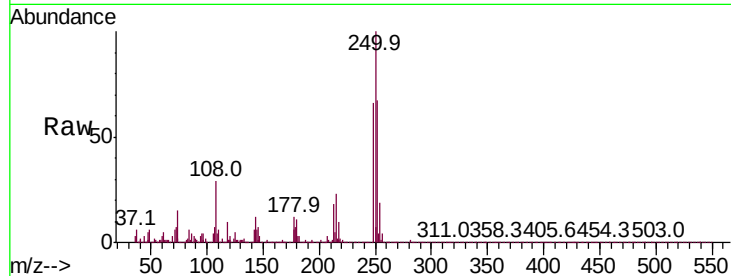
#74  
 Pentachlorobenzene  
 Concen: 3.603 ng/uL  
 RT: 14.70 min Scan# 1975  
 Delta R.T. -0.01 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 250   | Resp: | 12730 |
| Ion Ratio | Lower | Upper |       |
| 250       | 100   |       |       |
| 248       | 66.4  | 50.4  | 75.6  |
| 252       | 66.6  | 53.3  | 79.9  |

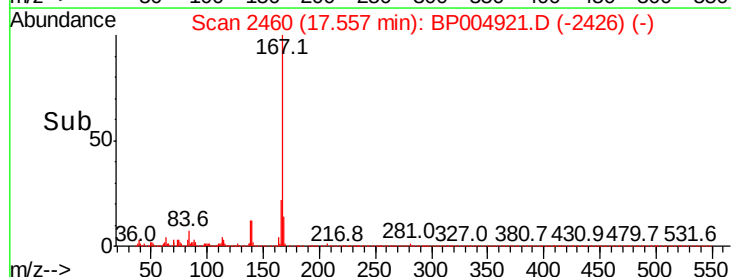
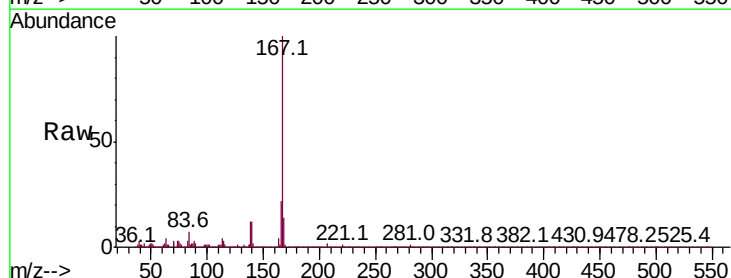
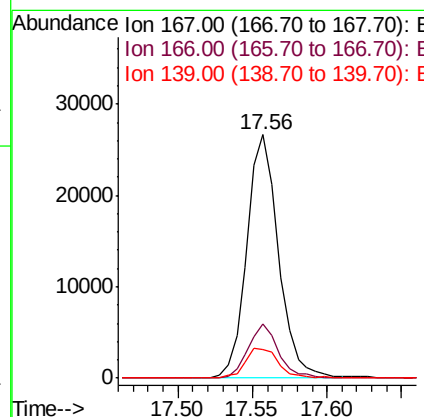
Manual Integrations  
 APPROVED

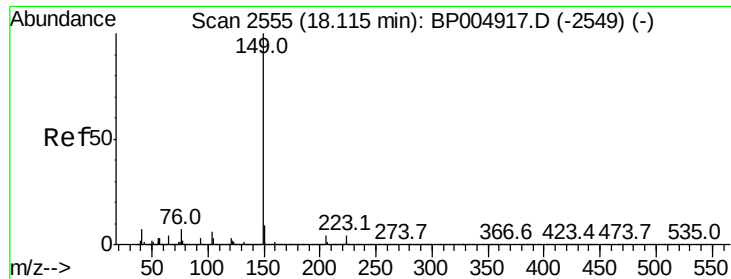
mohammad  
 3/8/2021 9:36:40 AM



#75  
 Carbazole  
 Concen: 3.627 ng/uL  
 RT: 17.56 min Scan# 2460  
 Delta R.T. -0.00 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 167   | Resp: | 39016 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 22.2  | 16.5  | 24.7  |
| 139       | 12.0  | 10.1  | 15.1  |





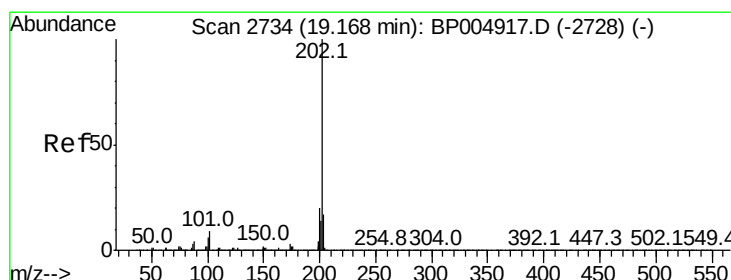
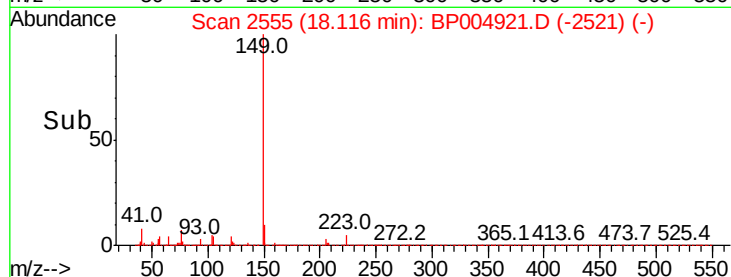
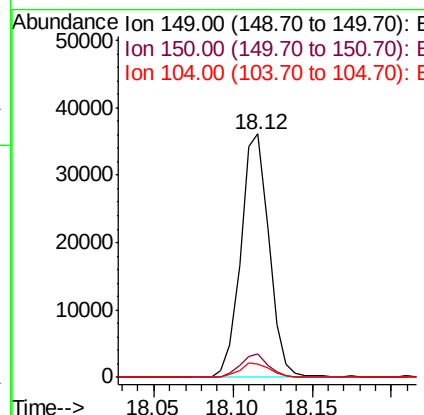
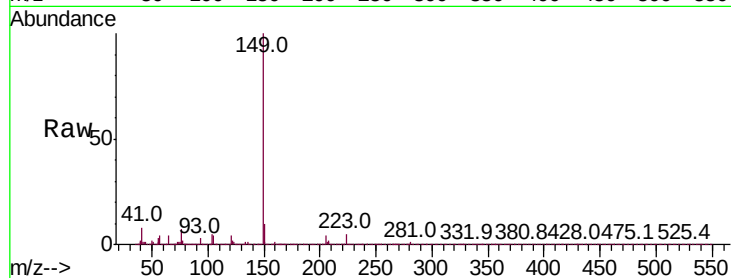
#76  
Di-n-butylphthalate  
Concen: 3.641 ng/ul  
RT: 18.12 min Scan# 2555  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 44664 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 150       | 9.8   | 7.4   | 11.2  |
| 104       | 5.5   | 4.8   | 7.2   |

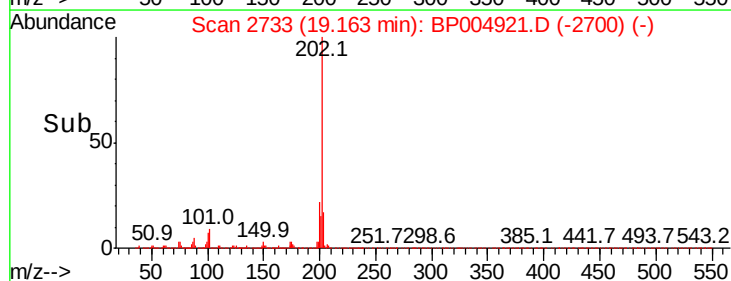
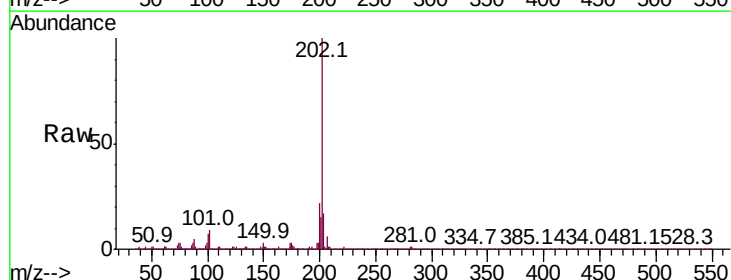
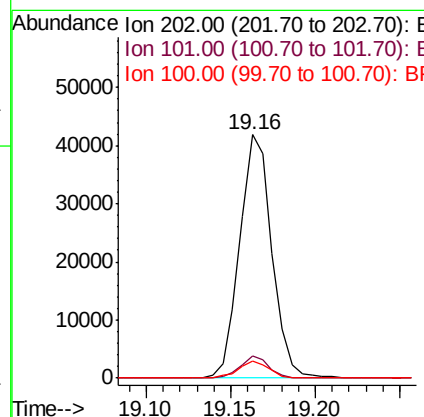
Manual Integrations  
APPROVED

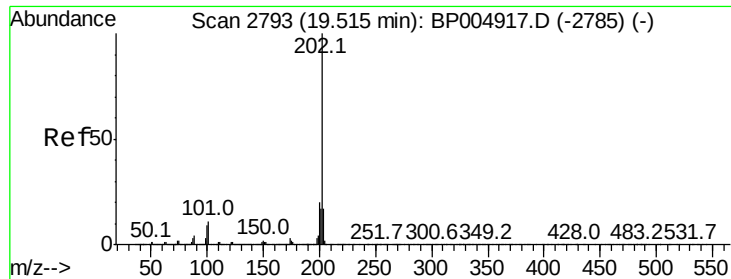
mohammad  
3/8/2021 9:36:40 AM



#77  
Fluoranthene  
Concen: 3.698 ng/ul  
RT: 19.16 min Scan# 2733  
Delta R.T. -0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 55438 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 9.2   | 6.5   | 9.7   |
| 100       | 6.9   | 5.3   | 7.9   |





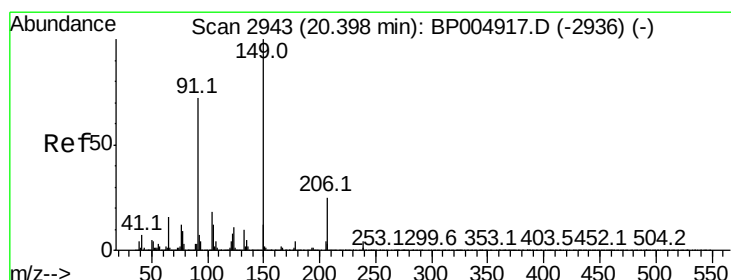
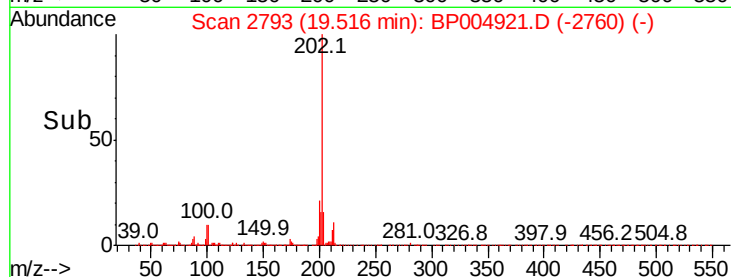
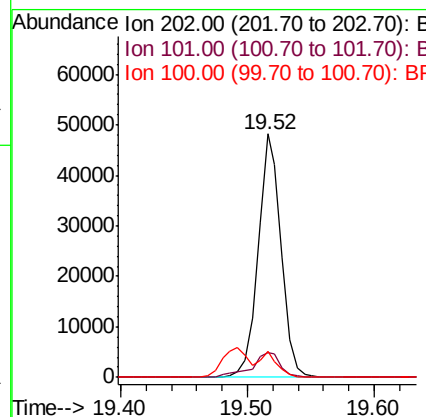
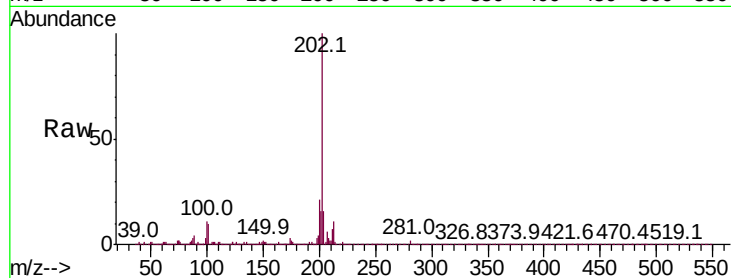
#80  
Pvrene  
Concen: 4.016 ng/ul  
RT: 19.52 min Scan# 2793  
Delta R.T. -0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 10.0  | 7.8        | 11.6  |
| 100     | 10.5  | 6.5        | 9.7   |

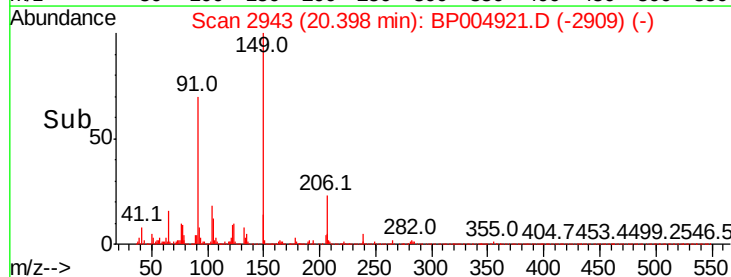
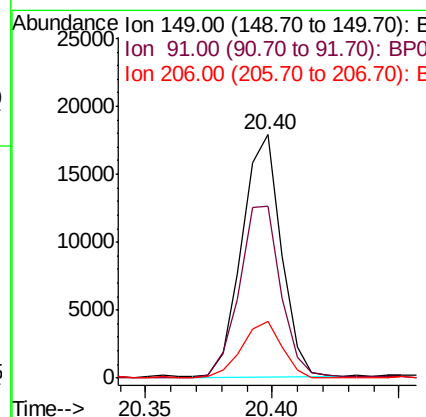
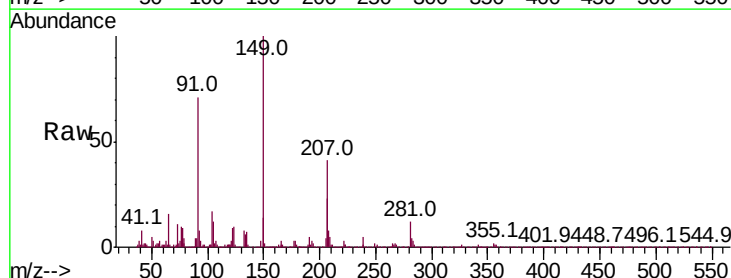
Manual Integrations  
APPROVED

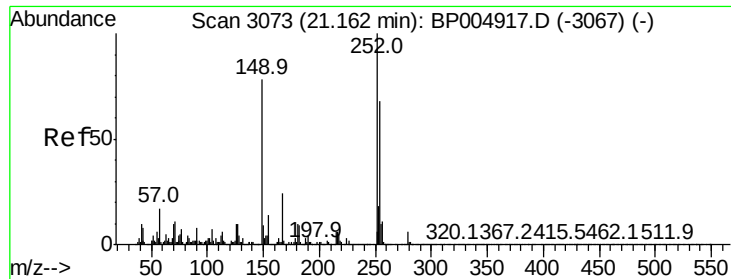
mohammad  
3/8/2021 9:36:40 AM



#81  
Butylbenzylphthalate  
Concen: 3.619 ng/ul  
RT: 20.40 min Scan# 2943  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 91      | 70.5  | 57.6       | 86.4  |
| 206     | 23.3  | 20.8       | 31.2  |





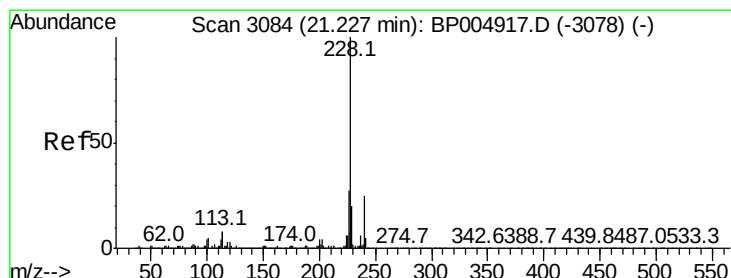
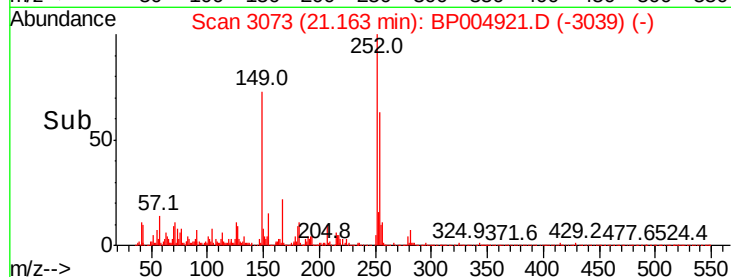
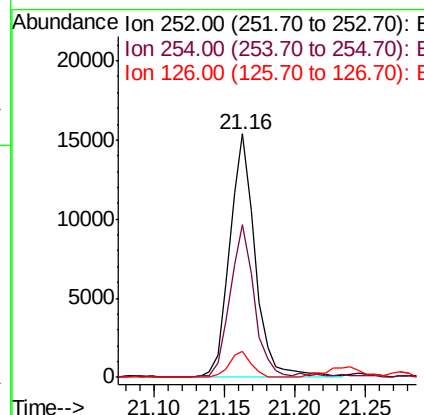
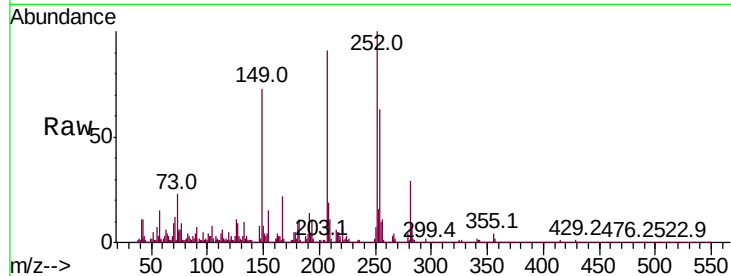
#82  
 3,3'-Dichlorobenzidine  
 Concen: 3.545 ng/ul  
 RT: 21.16 min Scan# 3073  
 Delta R.T. -0.00 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 19261 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 254       | 62.6  | 52.5  | 78.7  |
| 126       | 10.8  | 6.6   | 10.0# |

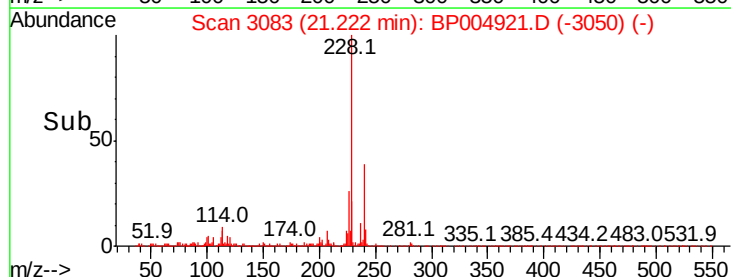
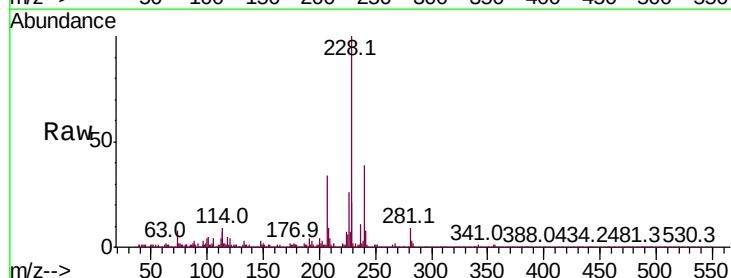
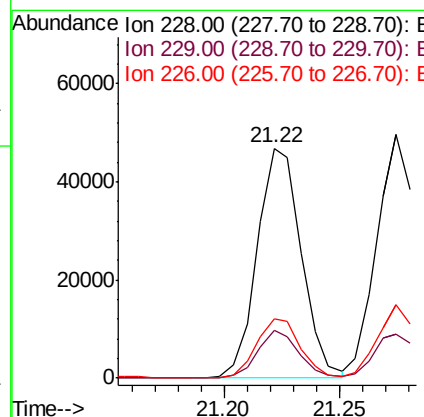
Manual Integrations  
 APPROVED

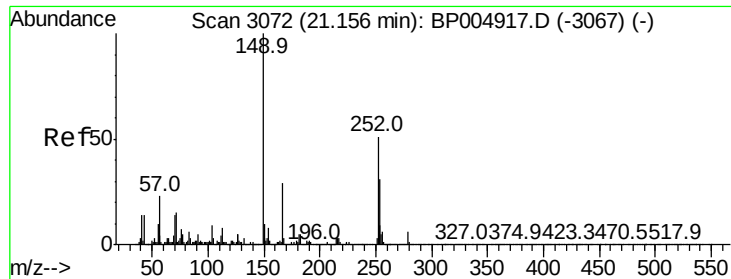
mohammad  
 3/8/2021 9:36:40 AM



#83  
 Benzo(a)anthracene  
 Concen: 3.955 ng/ul  
 RT: 21.22 min Scan# 3083  
 Delta R.T. -0.01 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 62218 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 20.8  | 16.3  | 24.5  |
| 226       | 25.6  | 20.6  | 30.8  |





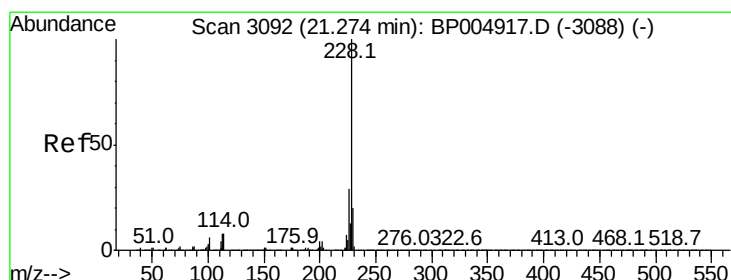
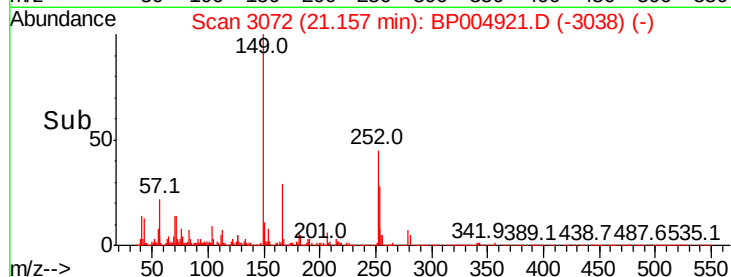
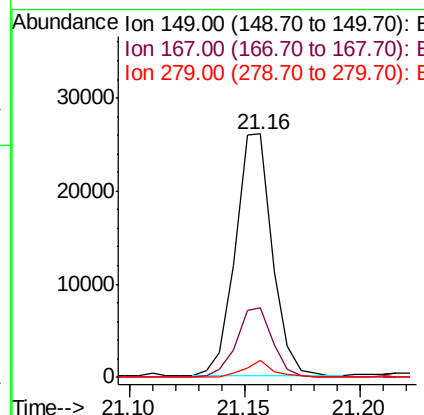
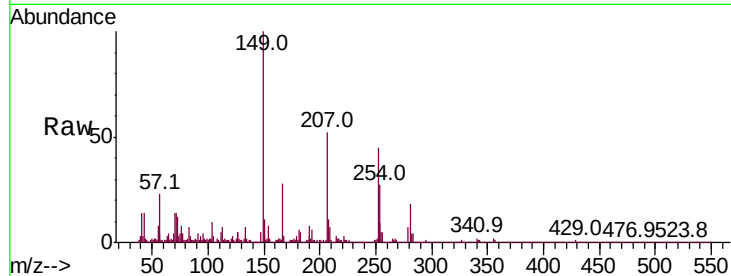
#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.623 ng/ul  
 RT: 21.16 min Scan# 3072  
 Delta R.T. -0.00 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.3  | 24.6  | 37.0  |
| 279     | 6.9   | 5.4   | 8.2   |

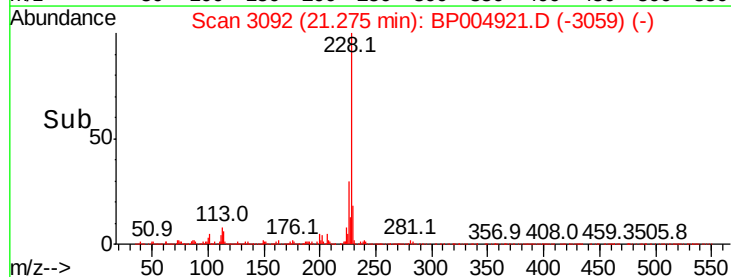
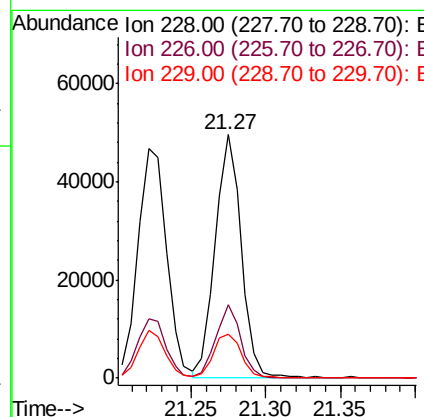
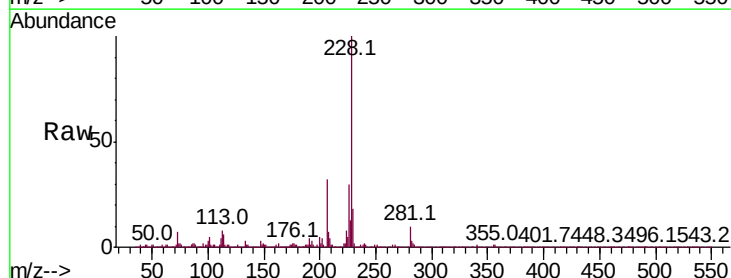
Manual Integrations  
 APPROVED

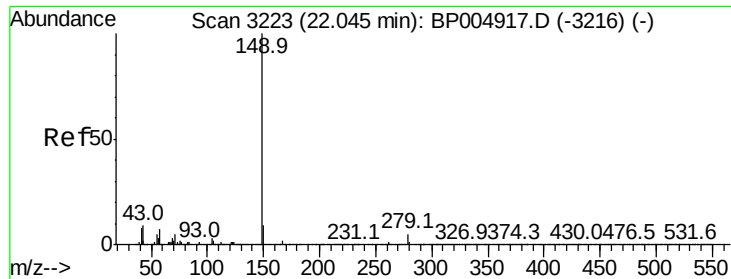
mohammad  
 3/8/2021 9:36:40 AM



#85  
 Chrysene  
 Concen: 3.954 ng/ul  
 RT: 21.27 min Scan# 3092  
 Delta R.T. -0.01 min  
 Lab File: BP004921.D  
 Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.4  | 23.7  | 35.5  |
| 229     | 18.1  | 16.0  | 24.0  |





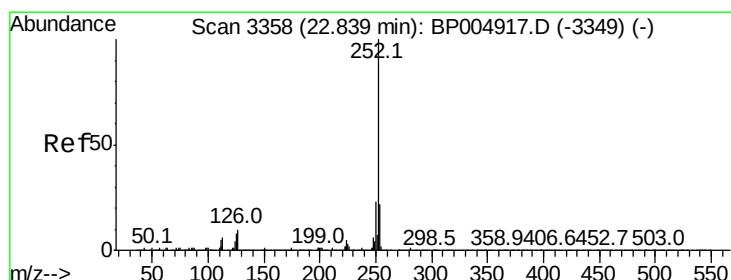
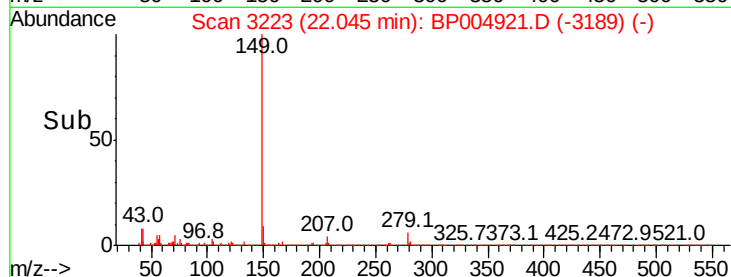
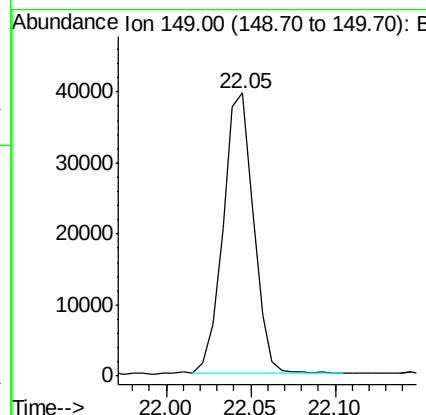
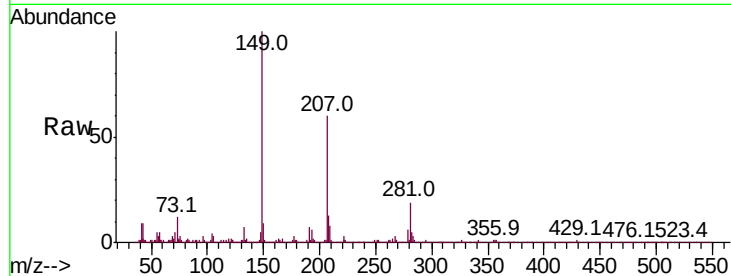
#87  
Di-n-octyl phthalate  
Concen: 3.330 ng/ul  
RT: 22.05 min Scan# 3223  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

Tgt Ion:149 Resp: 49247

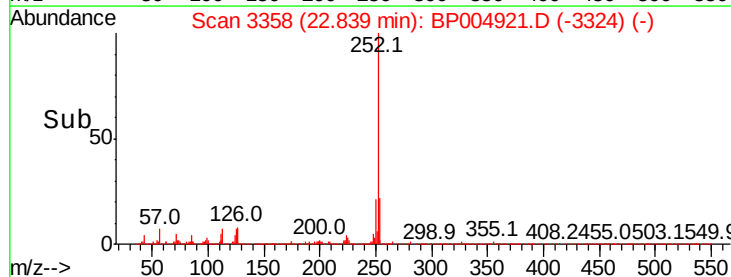
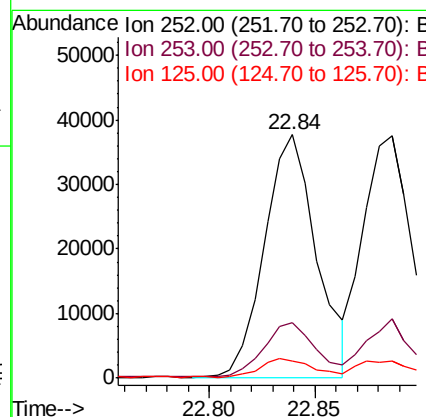
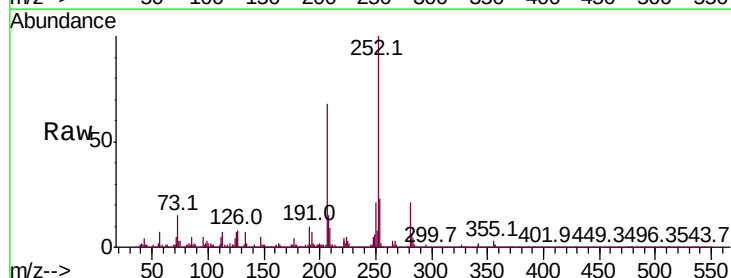
Manual Integrations  
APPROVED

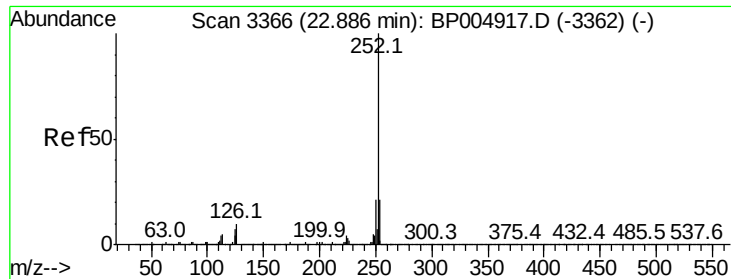
mohammad  
3/8/2021 9:36:40 AM



#88  
Benzo(b)fluoranthene  
Concen: 3.960 ng/ul  
RT: 22.84 min Scan# 3358  
Delta R.T. -0.00 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Tgt Ion:252 Resp: 64554  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.1 25.7  
125 7.1 5.8 8.8





#89

Benzo(k)fluoranthene

Concen: 3.770 ng/ul

RT: 22.89 min Scan# 3366

Delta R.T. -0.00 min

Lab File: BP004921.D

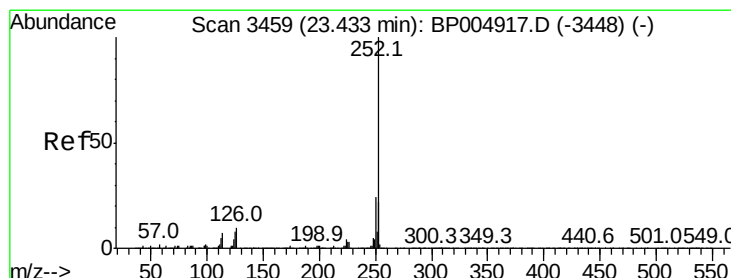
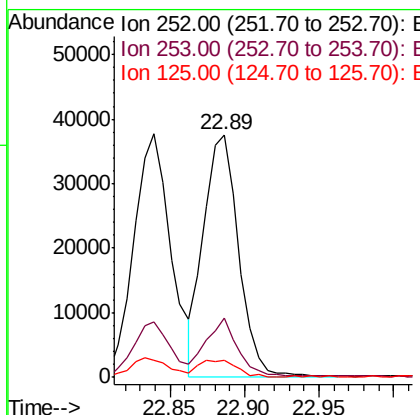
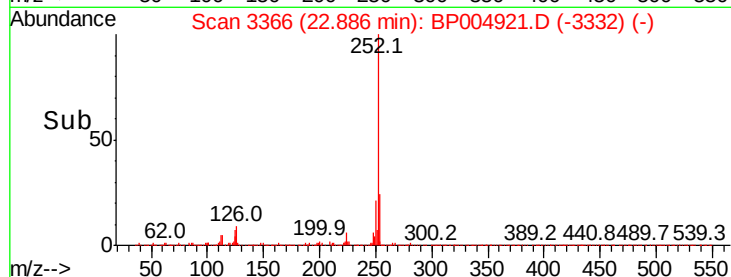
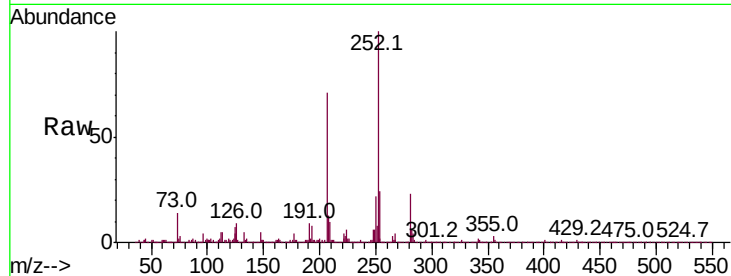
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.3  | 17.4  | 26.0  |
| 125     | 6.8   | 5.7   | 8.5   |

Manual Integrations  
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#91

Benzo(a)pyrene

Concen: 3.936 ng/ul

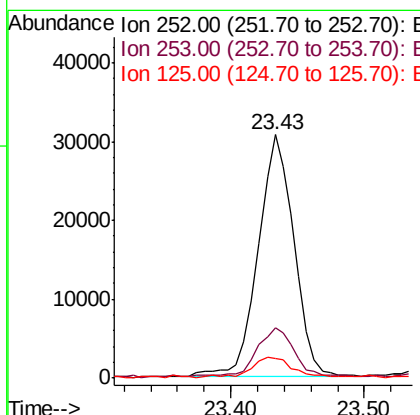
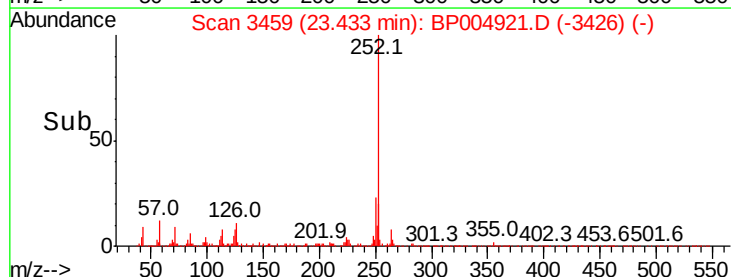
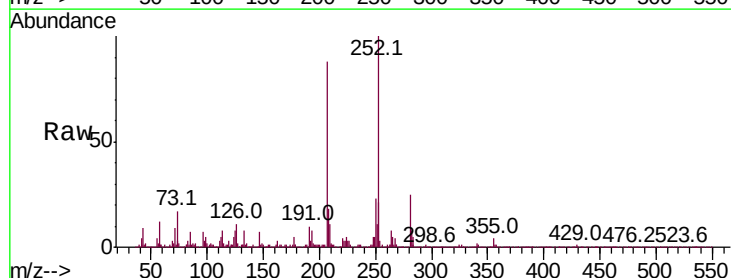
RT: 23.43 min Scan# 3459

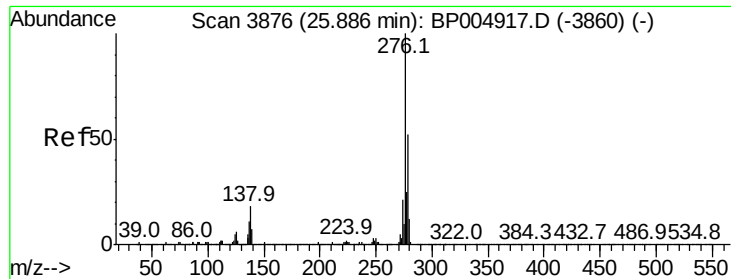
Delta R.T. -0.01 min

Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 20.6  | 17.6  | 26.4  |
| 125     | 8.1   | 6.0   | 9.0   |





#92

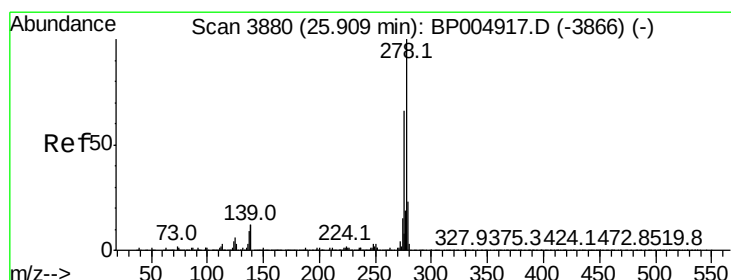
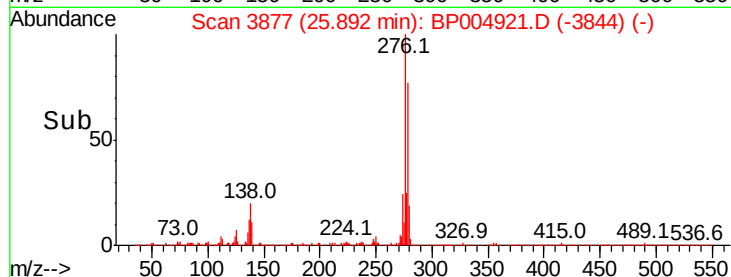
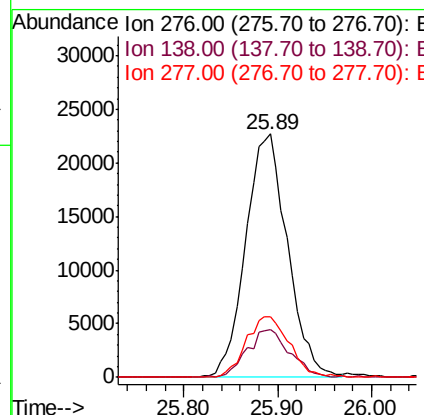
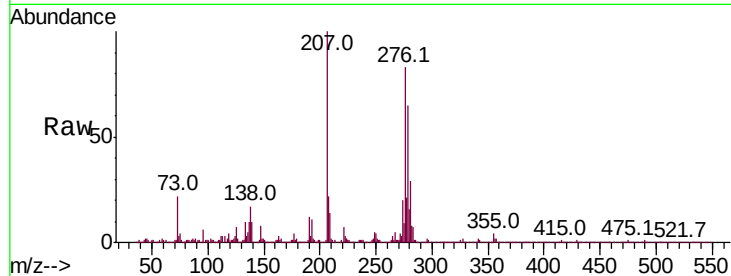
Indeno(1,2,3-cd)pyrene  
Concen: 3.751 ng/ul  
RT: 25.89 min Scan# 3877  
Delta R.T. -0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.8  | 14.3  | 21.5  |
| 277     | 25.0  | 20.6  | 30.8  |

Manual Integrations  
APPROVED

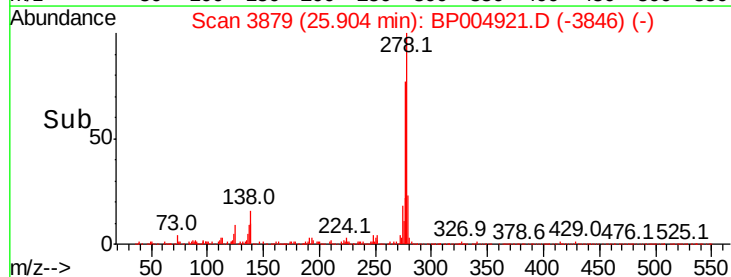
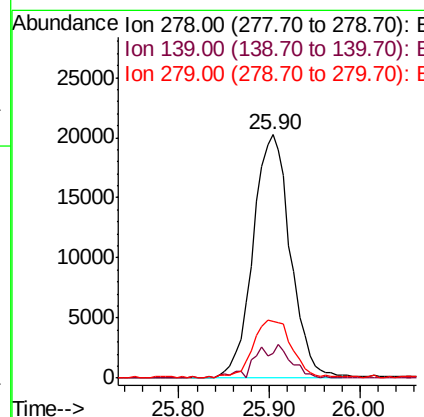
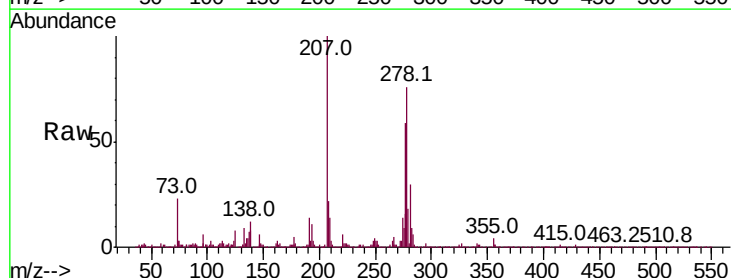
mohammad  
3/8/2021 9:36:40 AM



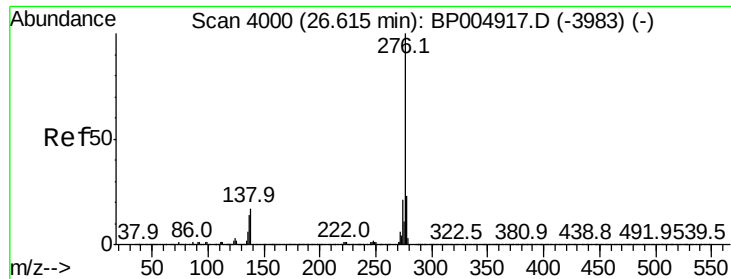
#93

Dibenzo(a,h)anthracene  
Concen: 3.640 ng/ul  
RT: 25.90 min Scan# 3879  
Delta R.T. -0.01 min  
Lab File: BP004921.D  
Acq: 05 Mar 2021 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 10.4  | 9.3   | 13.9  |
| 279     | 23.4  | 18.9  | 28.3  |







#94

Benzo(a,h,i)perylene

Concen: 3.729 ng/ul

RT: 26.61 min Scan# 3999

Delta R.T. -0.01 min

Lab File: BP004921.D

Acq: 05 Mar 2021 17:51

Instrument :

BNA\_P

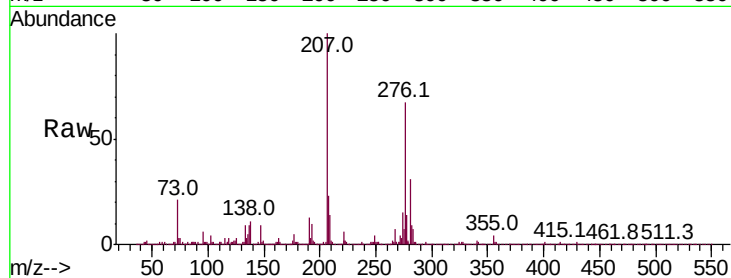
ClientSampleId :

MDL-SOIL-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 276   | Resp: | 58046 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 17.0  | 12.4  | 18.6  |
| 277       | 21.2  | 20.1  | 30.1  |

Manual Integrations  
APPROVED

mohammad  
3/8/2021 9:36:40 AM



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

