

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\  
 Data File : BP000678.D  
 Acq On : 12 Oct 2019 19:34  
 Operator : JU  
 Sample : K5324-01MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SOIL-PILEMS

Manual Integrations  
 APPROVED

mohammad  
 10/16/2019 8:07:58 AM

Quant Time: Oct 14 05:37:37 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 01 18:03:42 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.75  | 152  | 252133   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.03  | 136  | 909139   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 9.80  | 164  | 508062   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.30 | 188  | 931063   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 13.97 | 240  | 732794   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.45 | 264  | 891327   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.38  | 112 | 1657130 | 105.65 | ng | -0.02 |
| 7) Phenol-d6             | 6.40  | 99  | 2108707 | 111.56 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.31  | 82  | 1176595 | 79.04  | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.60 | 330 | 593652  | 109.65 | ng | -0.01 |
| 45) 2-Fluorobiphenyl     | 9.12  | 172 | 2256167 | 71.85  | ng | -0.02 |
| 79) Terphenyl-d14        | 12.90 | 244 | 2548812 | 70.42  | ng | -0.01 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.48 | 88  | 218151  | 34.828 | ng | 99     |
| 3) Pyridine                    | 3.21 | 79  | 557537  | 32.578 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.15 | 42  | 182131  | 37.820 | ng | 98     |
| 6) Aniline                     | 6.41 | 93  | 668246  | 29.101 | ng | # 35   |
| 8) 2-Chlorophenol              | 6.54 | 128 | 617356  | 39.880 | ng | 99     |
| 9) Benzaldehyde                | 6.30 | 77  | 333081  | 33.831 | ng | 97     |
| 10) Phenol                     | 6.41 | 94  | 797902  | 41.230 | ng | 88     |
| 11) bis(2-Chloroethyl)ether    | 6.49 | 93  | 583756  | 39.207 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.69 | 146 | 695423  | 37.059 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.77 | 146 | 708772  | 37.536 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.92 | 146 | 651412  | 37.365 | ng | 99     |
| 15) Benzyl Alcohol             | 6.89 | 79  | 483037  | 39.571 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.03 | 45  | 523448  | 38.114 | ng | 100    |
| 17) 2-Methylphenol             | 7.01 | 107 | 504154  | 39.407 | ng | 99     |
| 18) Hexachloroethane           | 7.26 | 117 | 243963  | 36.302 | ng | 100    |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70  | 335976  | 38.563 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.16 | 107 | 608513  | 40.649 | ng | # 84   |
| 22) Acetophenone               | 7.16 | 105 | 820690  | 39.067 | ng | 98     |
| 24) Nitrobenzene               | 7.33 | 77  | 583121  | 40.617 | ng | 98     |
| 25) Isophorone                 | 7.57 | 82  | 1085261 | 41.079 | ng | 97     |
| 26) 2-Nitrophenol              | 7.65 | 139 | 324138  | 42.933 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.69 | 122 | 546513  | 47.223 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.78 | 93  | 722984  | 40.269 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.90 | 162 | 544170  | 41.586 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 7.98 | 180 | 597637  | 38.888 | ng | 99     |
| 31) Naphthalene                | 8.06 | 128 | 1753621 | 41.301 | ng | 99     |
| 32) Benzoic acid               | 7.82 | 122 | 277294  | 37.946 | ng | 99     |
| 33) 4-Chloroaniline            | 8.10 | 127 | 395848  | 21.233 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.18 | 225 | 348213  | 37.493 | ng | 98     |
| 35) Caprolactam                | 8.47 | 113 | 179128m | 40.870 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.60 | 107 | 540199  | 42.149 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.75 | 142 | 1710238 | 60.001 | ng | 99     |
| 38) 1-Methylnaphthalene        | 8.85 | 142 | 1480314 | 54.964 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.92 | 216 | 599411  | 37.275 | ng | 99     |

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 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SOIL-PILEMS

Manual Integrations  
 APPROVED

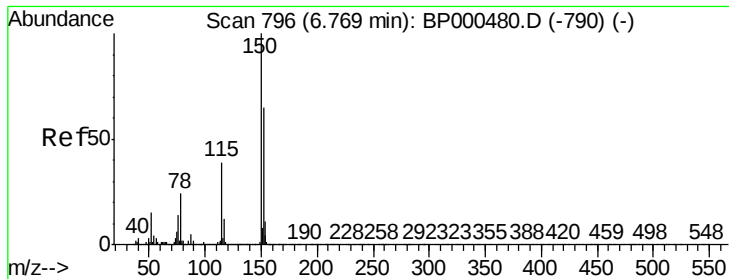
mohammad  
 10/16/2019 8:07:58 AM

Quant Time: Oct 14 05:37:37 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.91  | 237  | 406339   | 64.666  | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.03  | 196  | 379460   | 38.333  | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 9.07  | 196  | 411616   | 40.273  | nq    | 97       |
| 46) 1,1'-Biphenyl              | 9.22  | 154  | 1711107  | 44.619  | nq    | 98       |
| 47) 2-Chloronaphthalene        | 9.24  | 162  | 1155825  | 38.976  | nq    | 97       |
| 48) 2-Nitroaniline             | 9.34  | 65   | 276731   | 38.545  | nq    | 92       |
| 49) Acenaphthylene             | 9.66  | 152  | 1821015  | 40.703  | nq    | 99       |
| 50) Dimethylphthalate          | 9.52  | 163  | 1636636  | 46.360  | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.59  | 165  | 311519   | 40.465  | nq    | 96       |
| 52) Acenaphthene               | 9.84  | 154  | 2037624  | 75.080  | nq    | 100      |
| 53) 3-Nitroaniline             | 9.75  | 138  | 207887   | 23.567  | nq    | 93       |
| 54) 2,4-Dinitrophenol          | 9.87  | 184  | 197988   | 77.072  | nq    | 95       |
| 55) Dibenzofuran               | 10.01 | 168  | 2819887  | 69.509  | nq    | 98       |
| 56) 4-Nitrophenol              | 9.93  | 139  | 438280   | 77.823  | nq    | 97       |
| 57) 2,4-Dinitrotoluene         | 9.99  | 165  | 405960   | 39.771  | nq    | 96       |
| 58) Fluorene                   | 10.36 | 166  | 2313965  | 80.030  | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.13 | 232  | 348734   | 40.363  | nq    | 96       |
| 60) Diethylphthalate           | 10.23 | 149  | 1276356  | 38.087  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.35 | 204  | 605430   | 38.939  | nq    | 98       |
| 62) 4-Nitroaniline             | 10.37 | 138  | 321347   | 37.878  | nq    | 99       |
| 63) Azobenzene                 | 10.50 | 77   | 1069802  | 41.580  | nq    | 94       |
| 65) 4,6-Dinitro-2-methylphenol | 10.41 | 198  | 169115   | 40.974  | nq    | 91       |
| 66) n-Nitrosodiphenylamine     | 10.46 | 169  | 1125704  | 41.512  | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.84 | 248  | 408891   | 39.014  | nq    | 97       |
| 68) Hexachlorobenzene          | 10.91 | 284  | 434389   | 36.472  | nq    | 96       |
| 69) Atrazine                   | 11.00 | 200  | 354109   | 39.792  | nq    | 98       |
| 70) Pentachlorophenol          | 11.11 | 266  | 391572   | 81.857  | nq    | 98       |
| 71) Phenanthrene               | 11.33 | 178  | 5399979  | 115.482 | nq    | 95       |
| 72) Anthracene                 | 11.38 | 178  | 2316490  | 49.963  | nq    | 99       |
| 73) Carbazole                  | 11.53 | 167  | 1910887  | 44.461  | nq    | 98       |
| 74) Di-n-butylphthalate        | 11.87 | 149  | 2030304  | 38.779  | nq    | 99       |
| 75) Fluoranthene               | 12.53 | 202  | 4784329  | 91.100  | nq    | 98       |
| 77) Benzidine                  | 12.65 | 184  | 1362079  | 64.189  | nq    | 98       |
| 78) Pyrene                     | 12.76 | 202  | 3969346  | 78.538  | nq    | 97       |
| 80) Butylbenzylphthalate       | 13.39 | 149  | 907954   | 41.227  | nq    | 99       |
| 81) Benzo(a)anthracene         | 13.96 | 228  | 2328431  | 52.078  | nq    | 96       |
| 82) 3,3'-Dichlorobenzidine     | 13.92 | 252  | 383202   | 21.577  | nq    | 97       |
| 83) Chrysene                   | 14.00 | 228  | 2175279  | 49.569  | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.96 | 149  | 1122205  | 40.515  | nq    | 98       |
| 85) Di-n-octyl phthalate       | 14.58 | 149  | 2154409  | 42.913  | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.92 | 276  | 2368719  | 43.212  | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 15.02 | 252  | 2418374  | 47.825  | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 15.05 | 252  | 1832520  | 38.065  | nq    | 99       |
| 90) Benzo(a)pyrene             | 15.39 | 252  | 2100047  | 44.551  | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.94 | 278  | 1899780  | 41.554  | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.36 | 276  | 2006570  | 43.193  | nq    | 99       |

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





#1

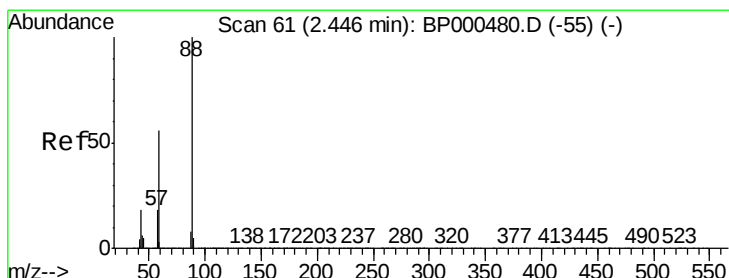
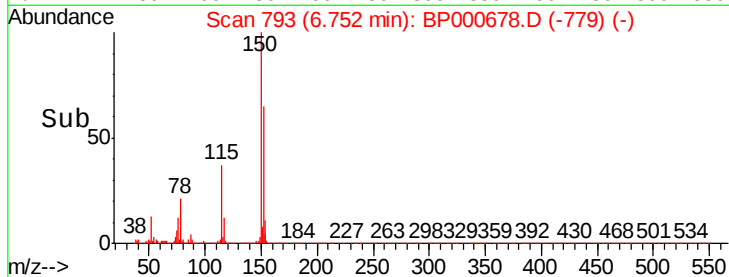
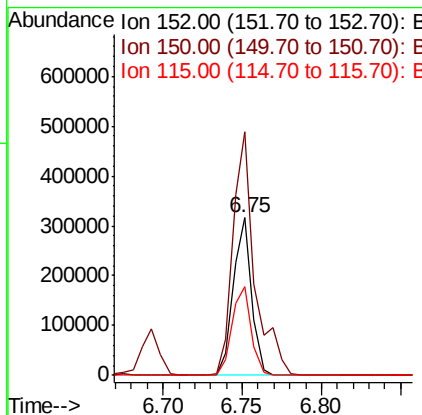
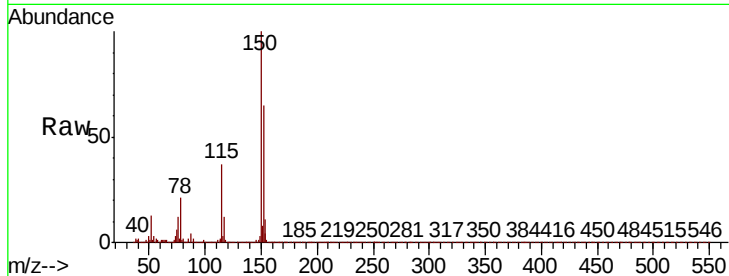
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 793  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.5 | 124.1 | 186.1 |
| 115     | 56.6  | 48.7  | 73.1  |

Manual Integrations  
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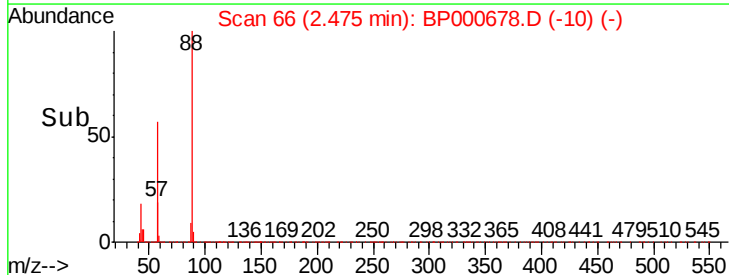
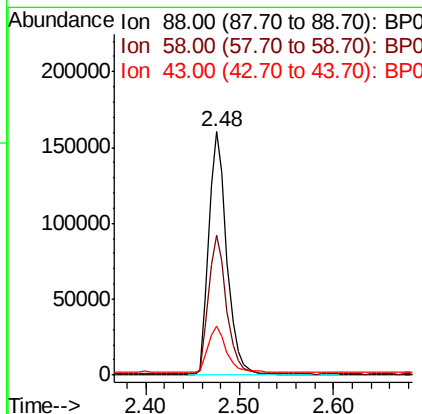
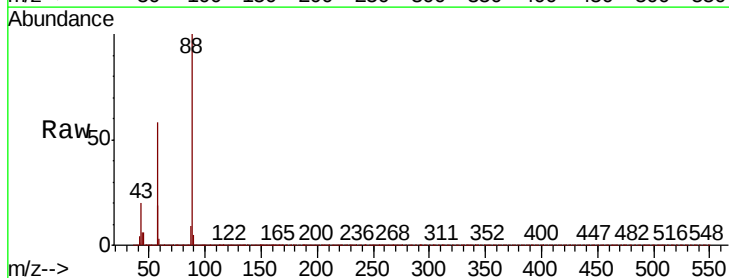
mohammad  
10/16/2019 8:07:58 AM

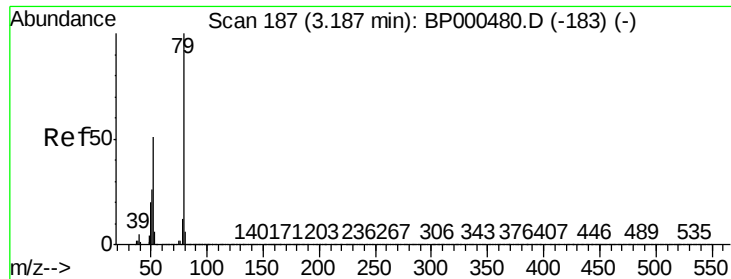


#2

1,4-Dioxane  
Concen: 34.828 ng  
RT: 2.48 min Scan# 66  
Delta R.T. 0.03 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 56.9  | 45.3  | 67.9  |
| 43      | 18.6  | 14.5  | 21.7  |





#3

Pvridine

Concen: 32.578 ng

RT: 3.21 min Scan# 191

Delta R.T. 0.02 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

Instrument :

BNA\_P

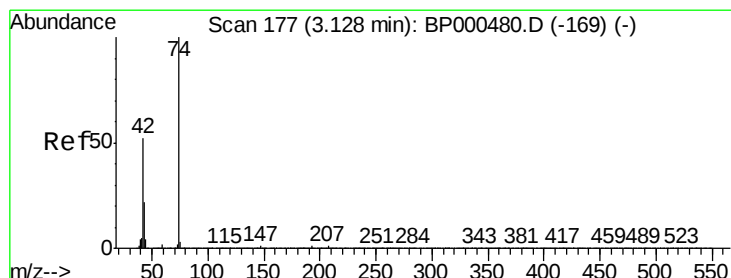
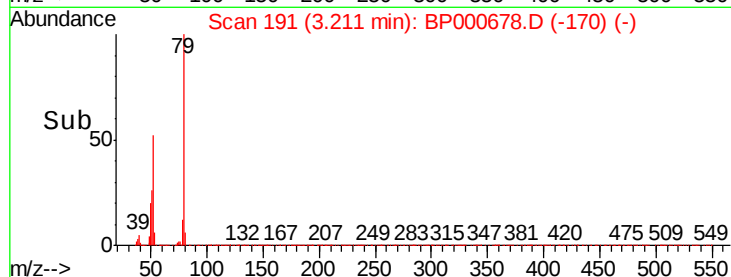
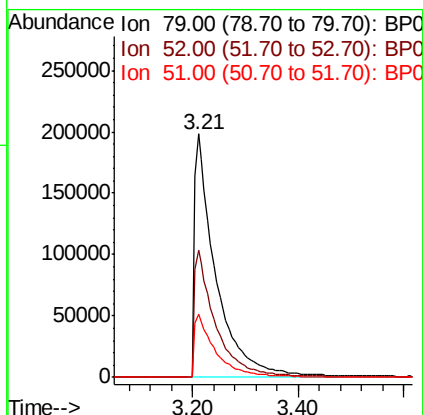
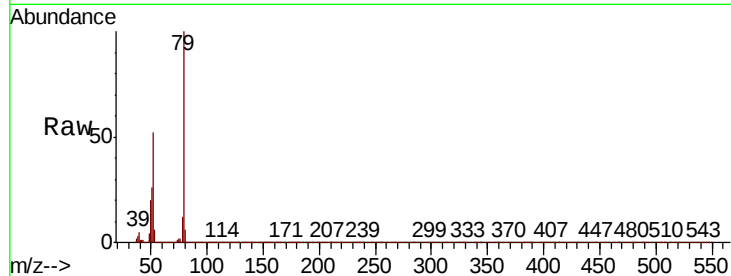
ClientSampled :

SOIL-PILEMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 557537 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 52.2  | 40.7  | 61.1   |
| 51        | 25.9  | 20.5  | 30.7   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 37.820 ng

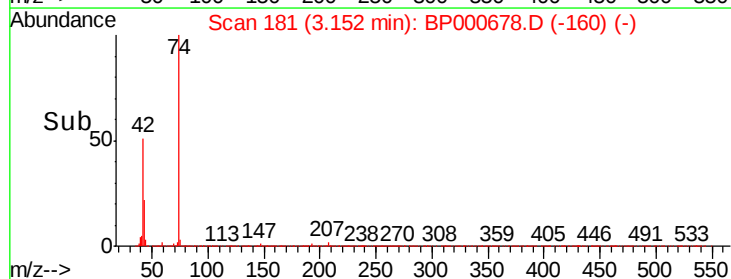
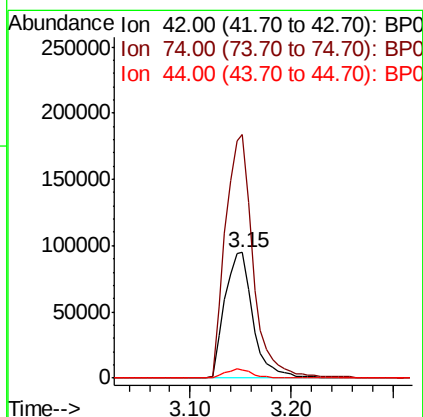
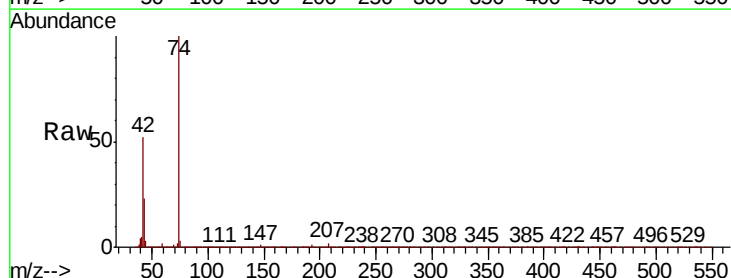
RT: 3.15 min Scan# 181

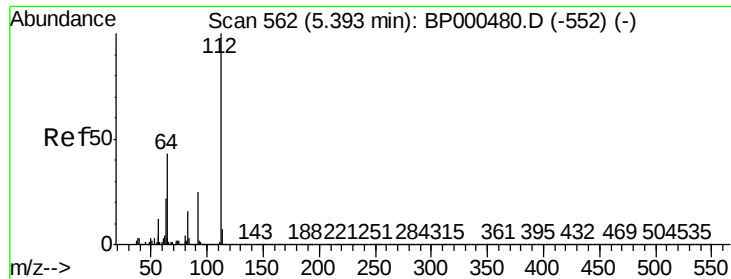
Delta R.T. 0.02 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 182131 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 194.0 | 152.4 | 228.6  |
| 44        | 6.6   | 5.6   | 8.4    |





#5

2-Fluorophenol

Concen: 105.648 ng

RT: 5.38 min Scan# 559

Delta R.T. -0.02 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

Instrument :

BNA\_P

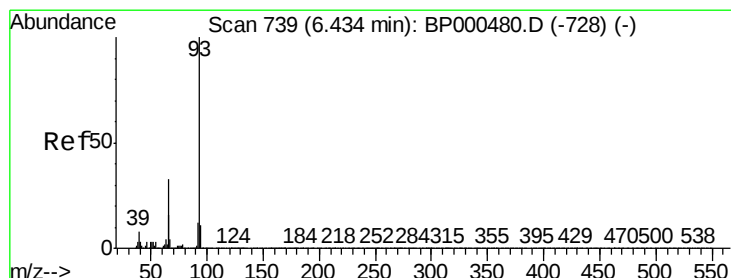
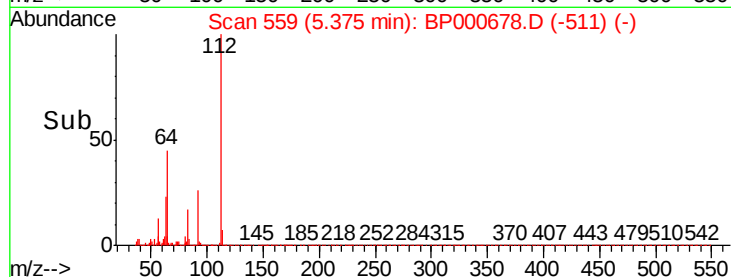
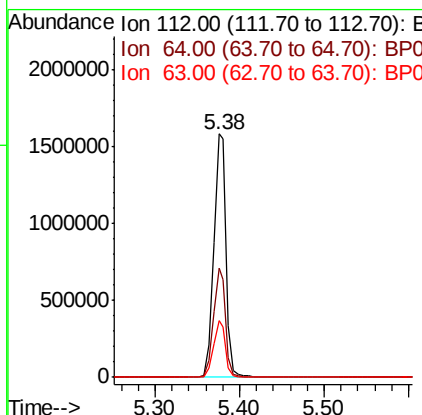
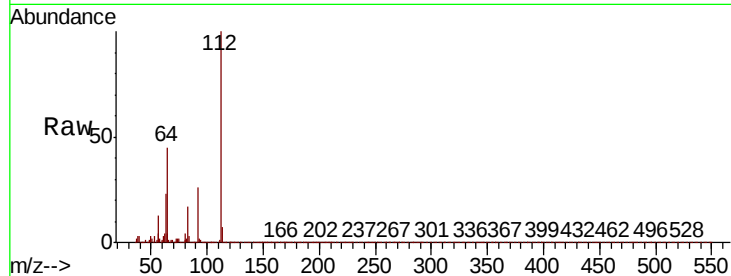
ClientSampleId :

SOIL-PILEMS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 112   | Resp: | 1657130 |
| Ion Ratio | Lower | Upper |         |
| 112       | 100   |       |         |
| 64        | 44.8  | 34.2  | 51.4    |
| 63        | 23.1  | 17.9  | 26.9    |

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#6

Aniline

Concen: 29.101 ng

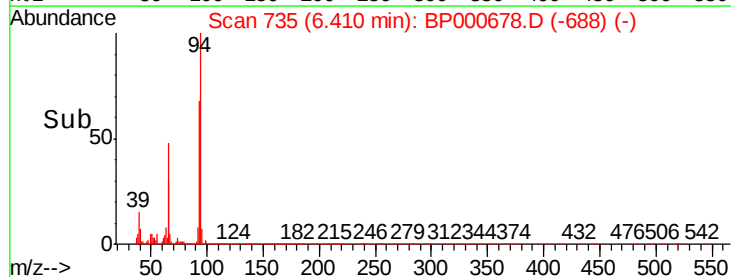
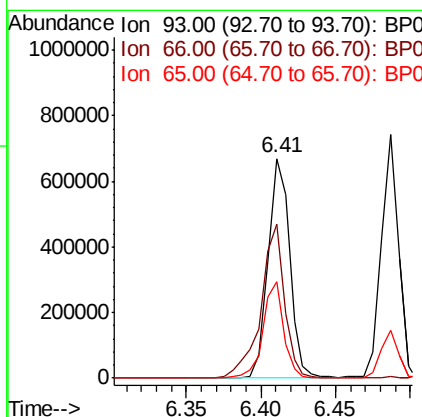
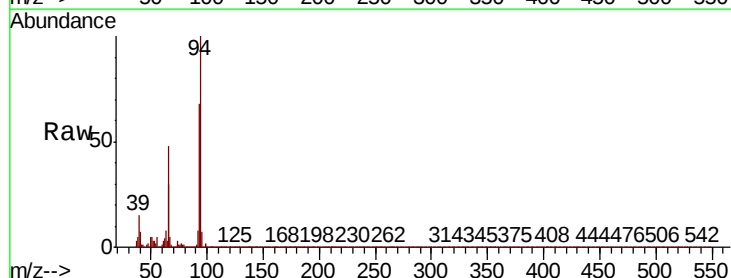
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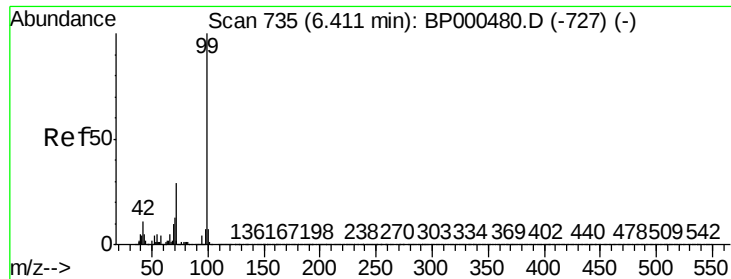
Delta R.T. -0.02 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 668246 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 70.2  | 26.3  | 39.5#  |
| 65        | 43.9  | 13.2  | 19.8#  |





#7

Phenol-d6

Concen: 111.563 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

Instrument :

BNA\_P

ClientSampleId :

SOIL-PILEMS

Tot Ion: 99 Resp: 2108707

Ion Ratio Lower Upper

99 100

42 10.5 8.6 12.8

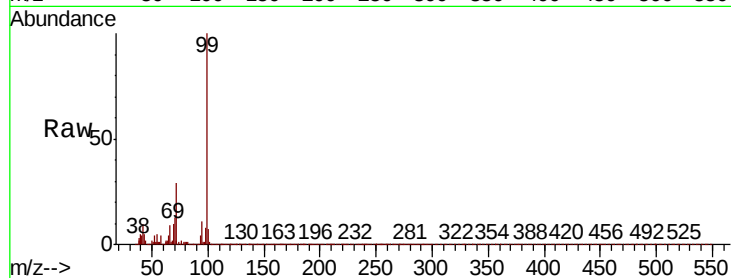
71 28.5 23.0 34.4

Manual Integrations

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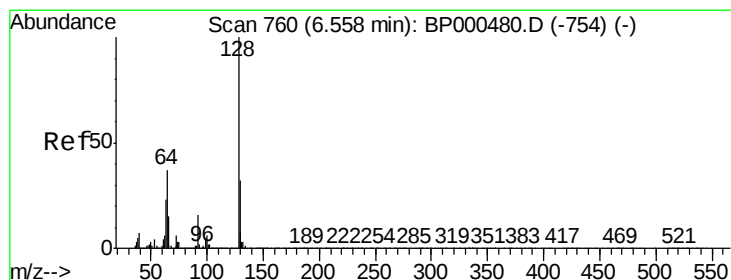
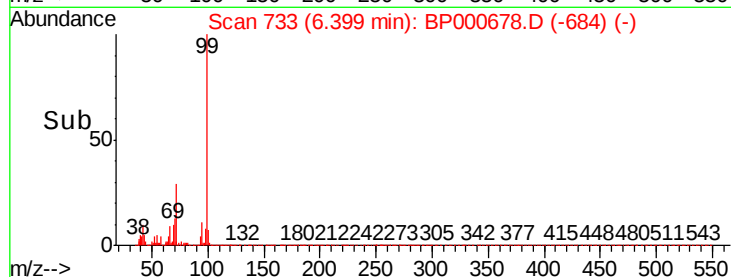
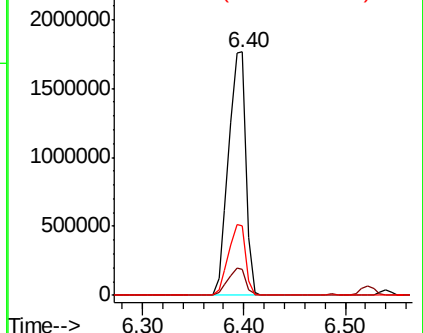
10/16/2019 8:07:58 AM



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#8

2-Chlorophenol

Concen: 39.880 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.02 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

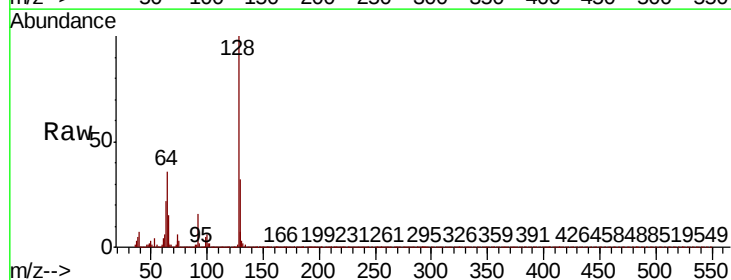
Tgt Ion:128 Resp: 617356

Ion Ratio Lower Upper

128 100

130 32.5 12.2 52.2

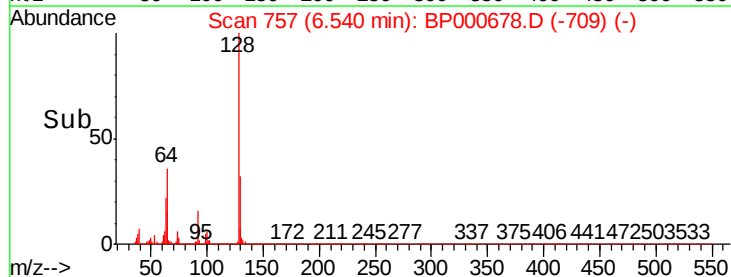
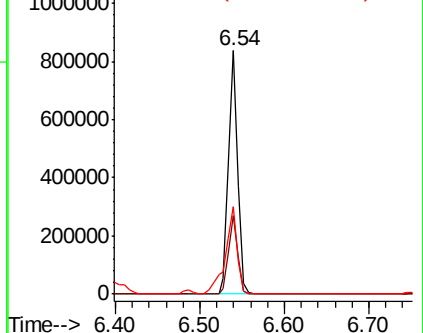
64 36.1 17.2 57.2

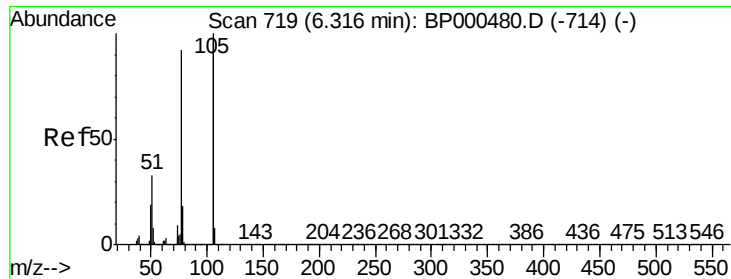


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BP0





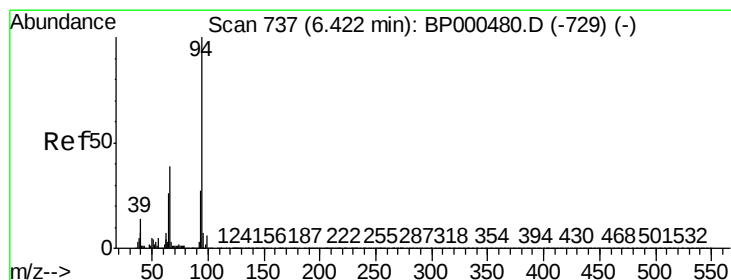
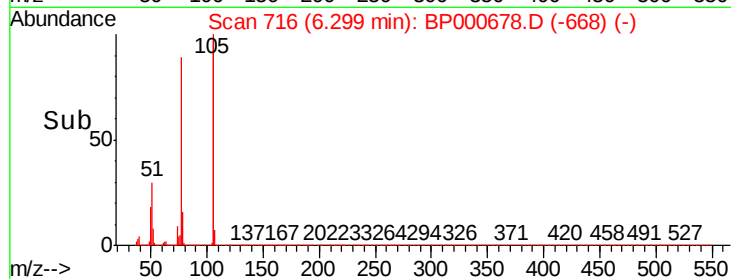
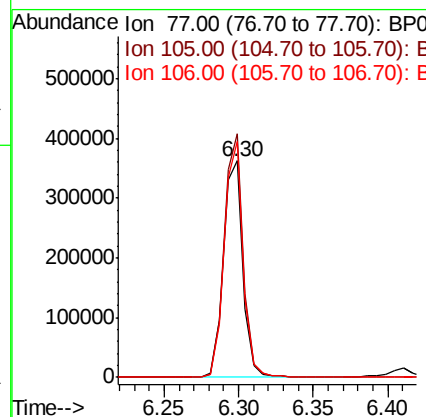
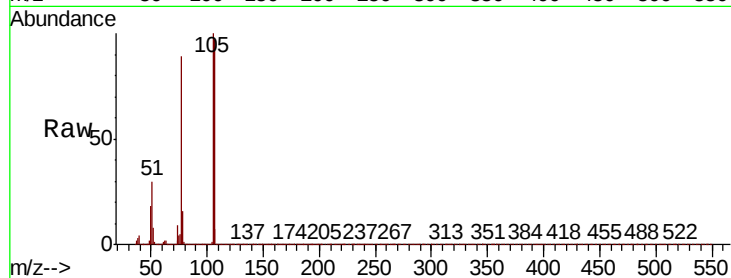
#9  
Benzaldehyde  
Concen: 33.831 ng  
RT: 6.30 min Scan# 716  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 112.4 | 88.3  | 128.3 |
| 106     | 108.8 | 85.7  | 125.7 |

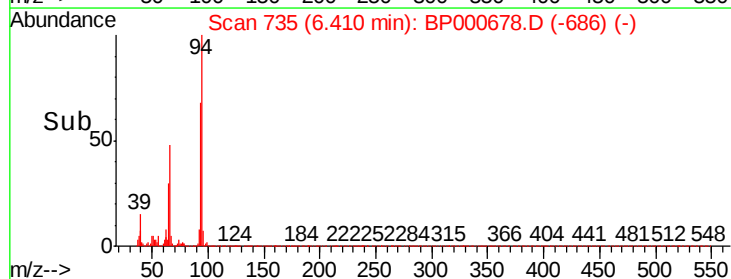
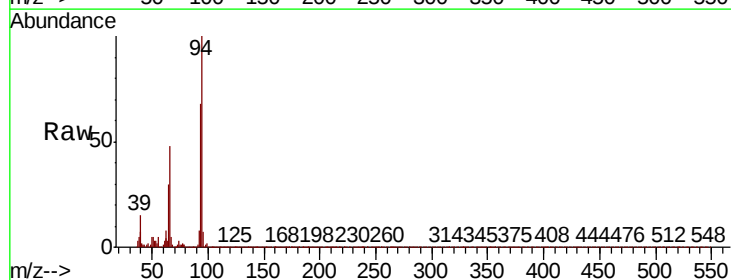
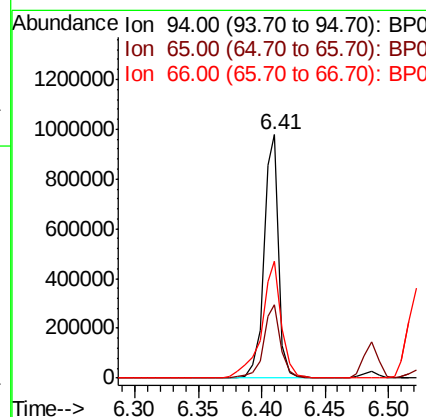
Manual Integrations  
APPROVED

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#10  
Phenol  
Concen: 41.230 ng  
RT: 6.41 min Scan# 735  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 30.0  | 5.9   | 45.9  |
| 66      | 48.0  | 18.8  | 58.8  |





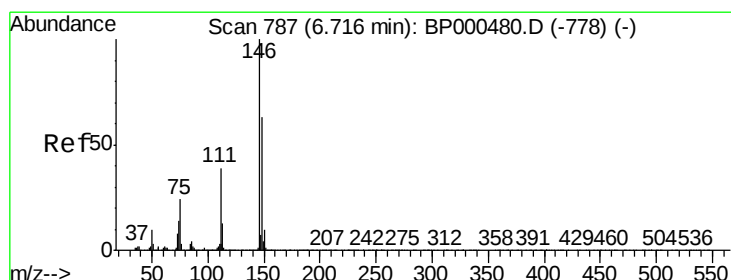
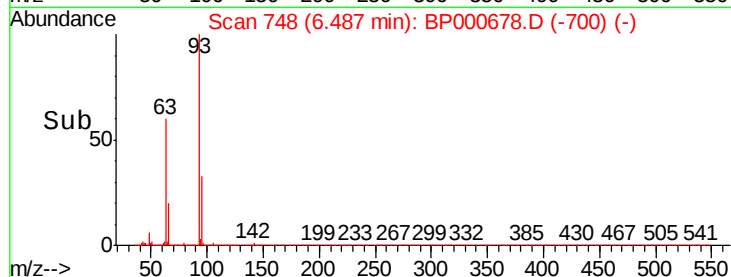
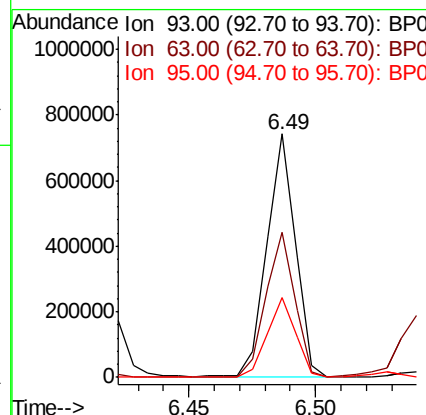
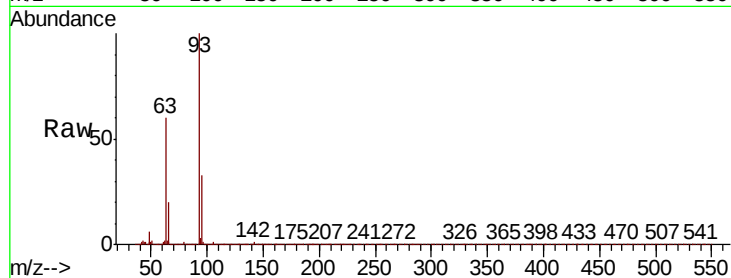
#11  
bis(2-Chloroethyl)ether  
Concen: 39.207 ng  
RT: 6.49 min Scan# 748  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 93      | 100   |            |       |
| 63      | 59.6  | 41.1       | 81.1  |
| 95      | 32.9  | 12.2       | 52.2  |

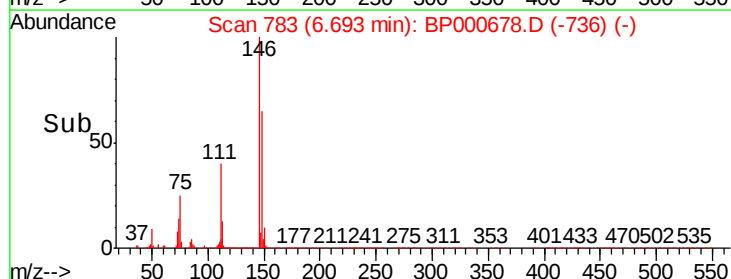
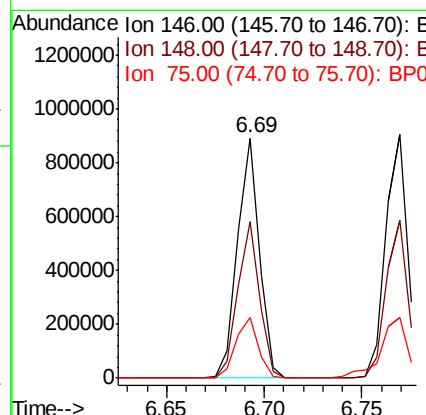
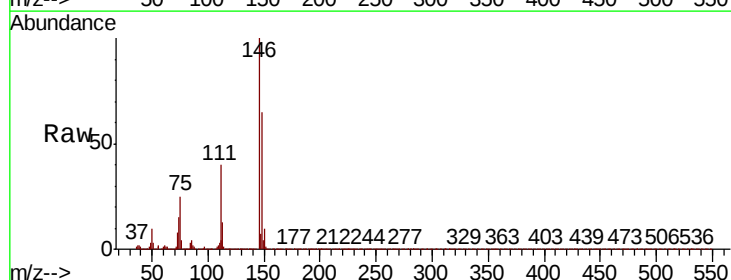
Manual Integrations  
APPROVED

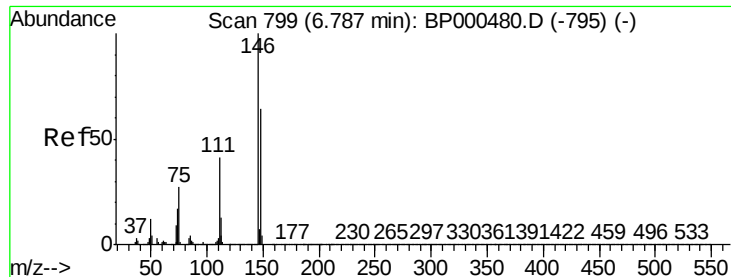
mohammad  
10/16/2019 8:07:58 AM



#12  
1,3-Dichlorobenzene  
Concen: 37.059 ng  
RT: 6.69 min Scan# 783  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 146     | 100   |            |       |
| 148     | 65.2  | 50.7       | 76.1  |
| 75      | 25.3  | 19.1       | 28.7  |





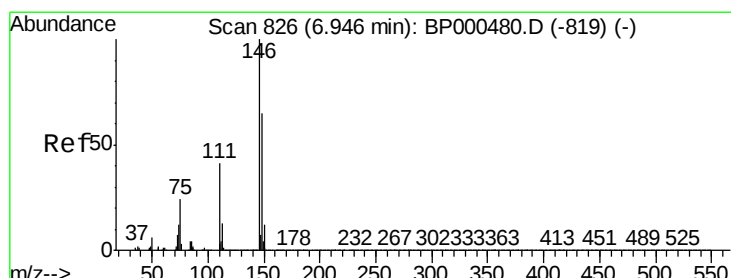
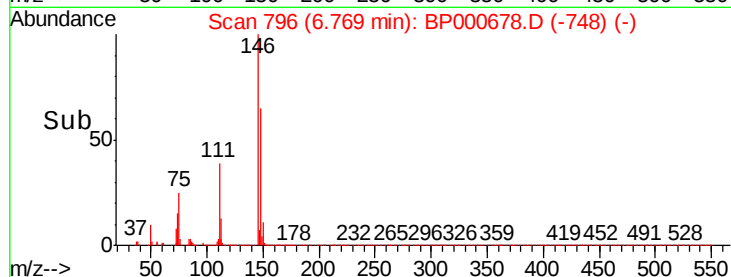
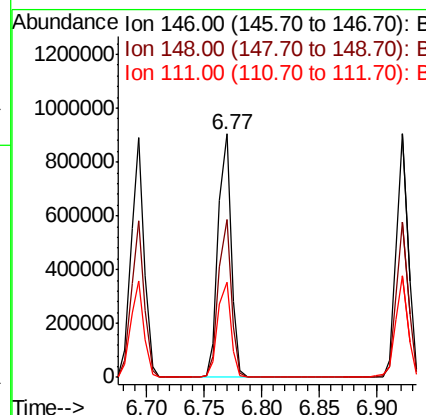
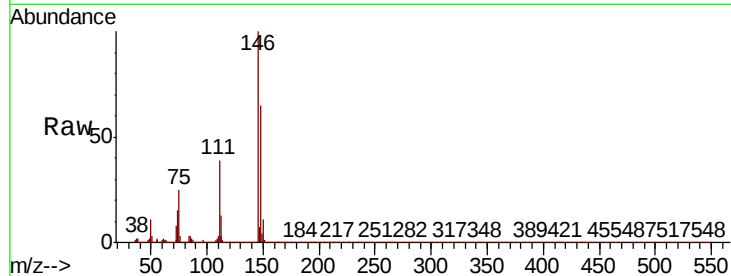
#13  
1,4-Dichlorobenzene  
Concen: 37.536 ng  
RT: 6.77 min Scan# 796  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.7  | 51.1  | 76.7  |
| 111     | 39.1  | 33.0  | 49.4  |

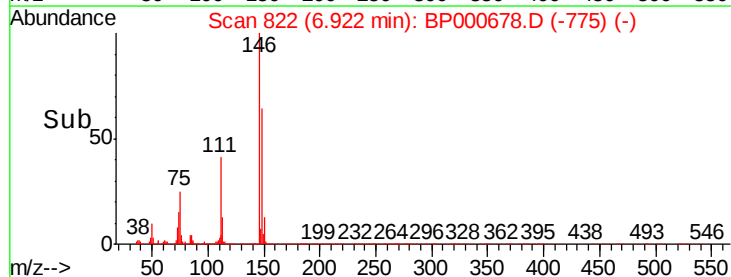
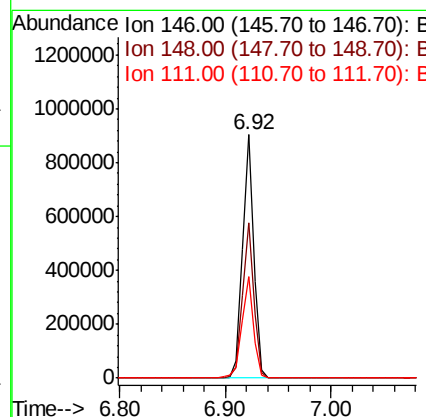
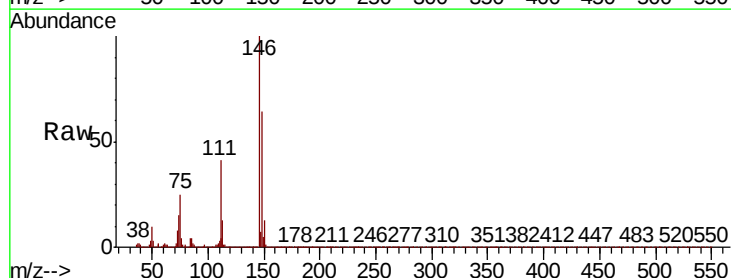
Manual Integrations  
APPROVED

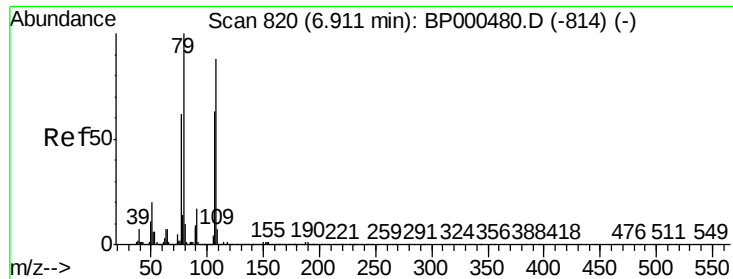
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#14  
1,2-Dichlorobenzene  
Concen: 37.365 ng  
RT: 6.92 min Scan# 822  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.9  | 51.8  | 77.6  |
| 111     | 41.5  | 32.8  | 49.2  |





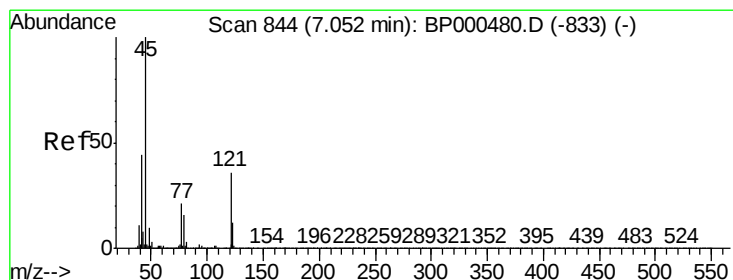
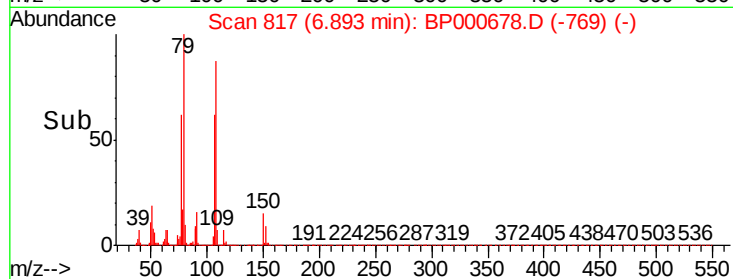
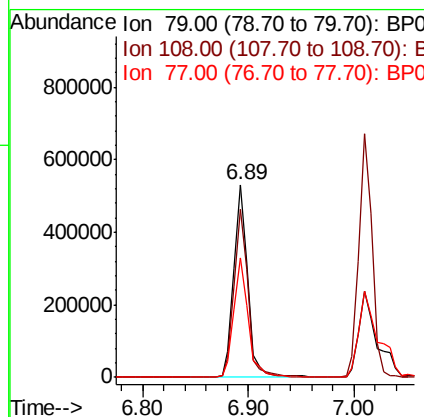
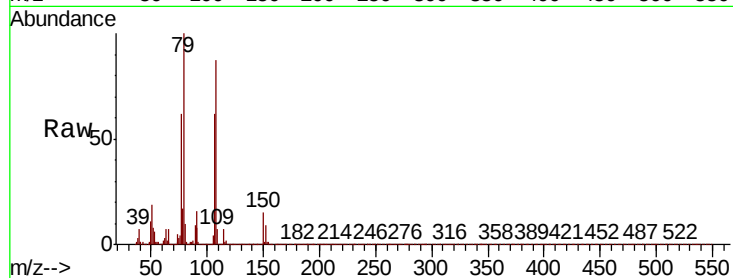
#15  
Benzyl Alcohol  
Concen: 39.571 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 87.1  | 70.8  | 106.2 |
| 77      | 61.8  | 50.0  | 75.0  |

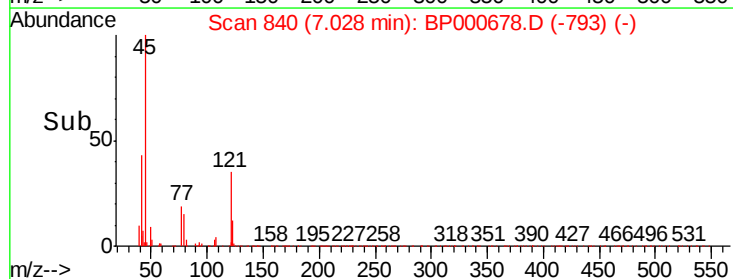
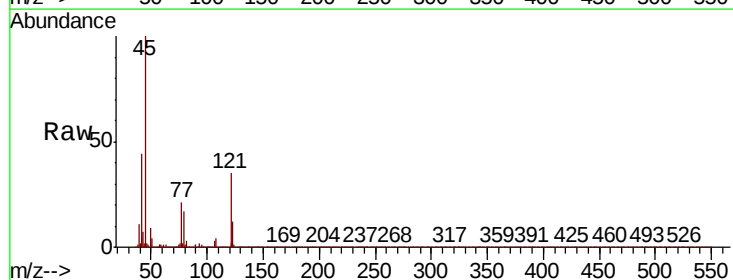
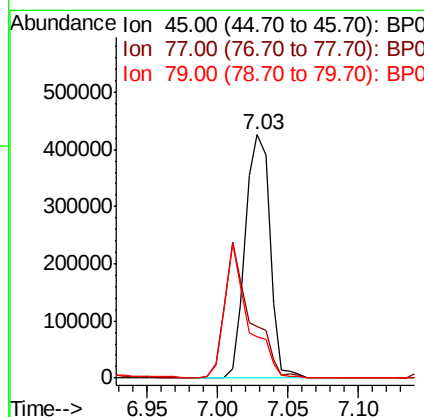
Manual Integrations  
APPROVED

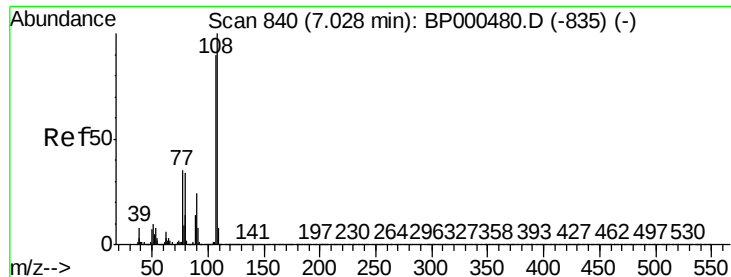
mohammad  
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.114 ng  
RT: 7.03 min Scan# 840  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 21.4  | 1.1   | 41.1  |
| 79      | 16.9  | 0.0   | 36.8  |





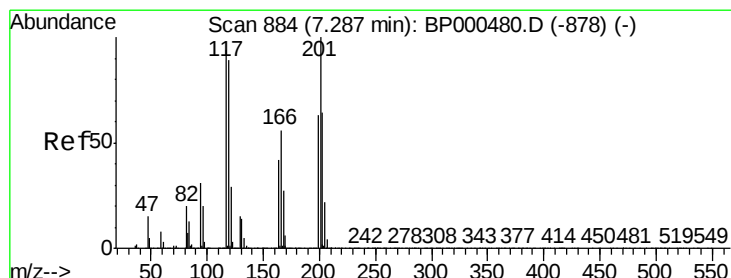
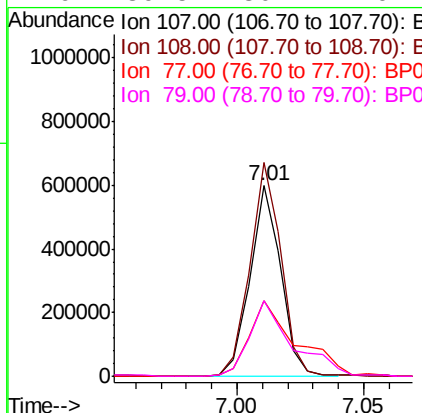
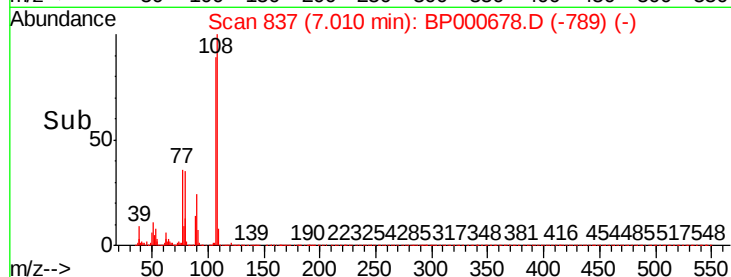
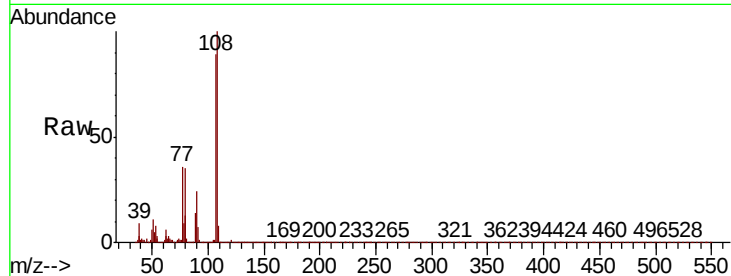
#17  
2-Methylphenol  
Concen: 39.407 ng  
RT: 7.01 min Scan# 837  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 112.1 | 89.0 | 133.4 |       |
| 77      | 39.9  | 31.2 | 46.8  |       |
| 79      | 39.5  | 30.7 | 46.1  |       |

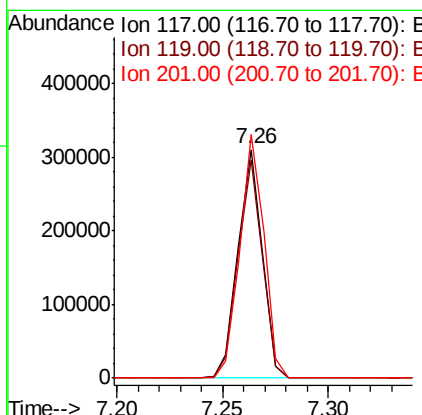
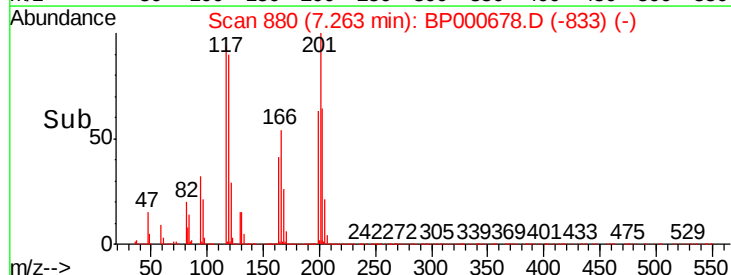
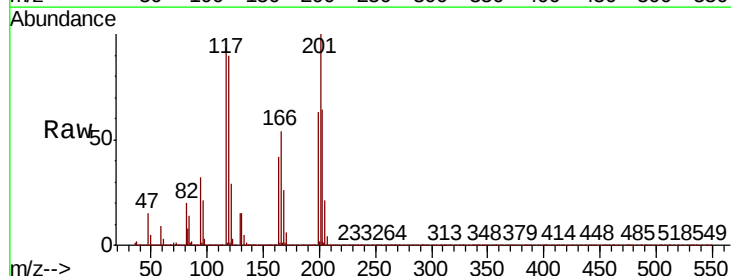
Manual Integrations  
APPROVED

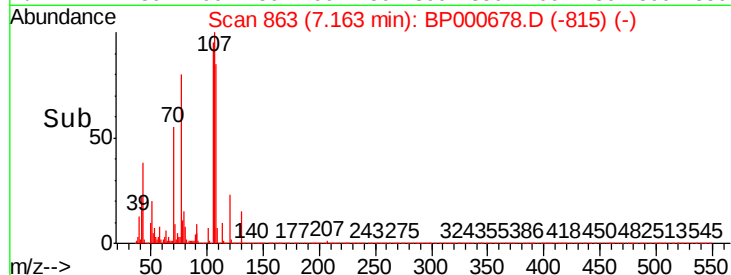
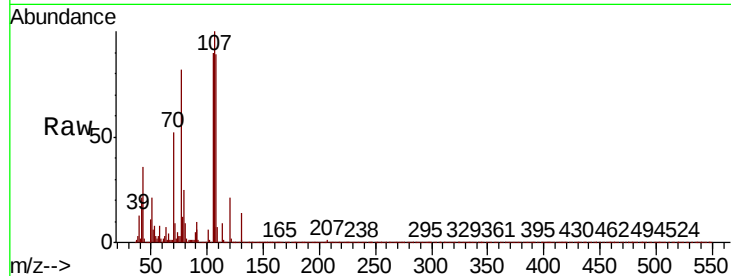
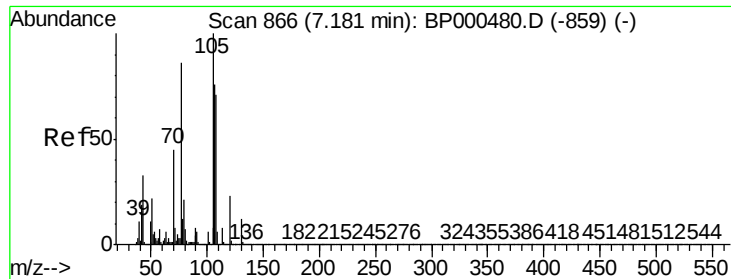
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#18  
Hexachloroethane  
Concen: 36.302 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 95.3  | 76.3 | 114.5 |       |
| 201     | 106.4 | 85.4 | 128.0 |       |





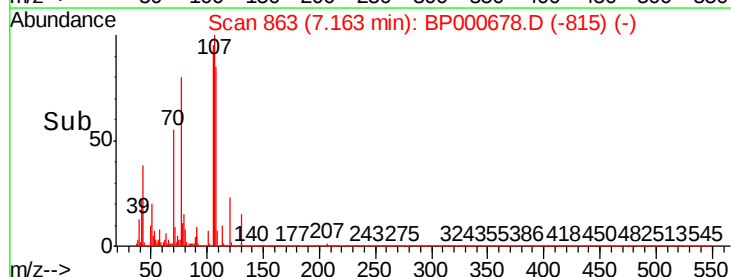
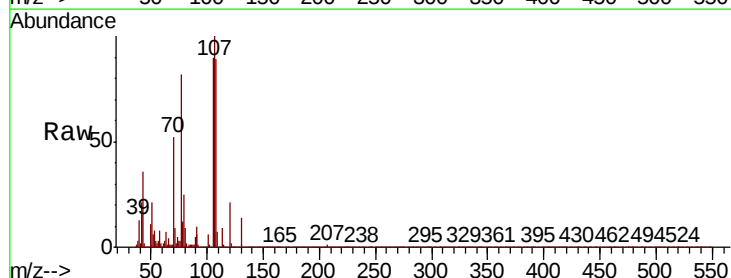
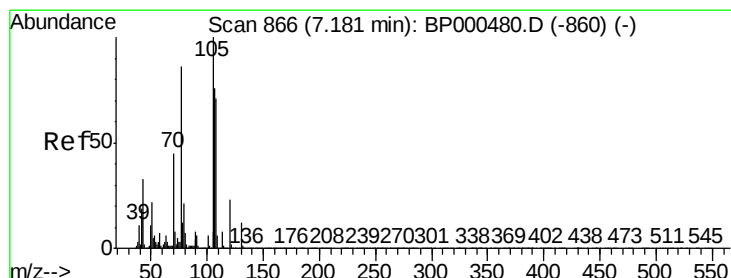
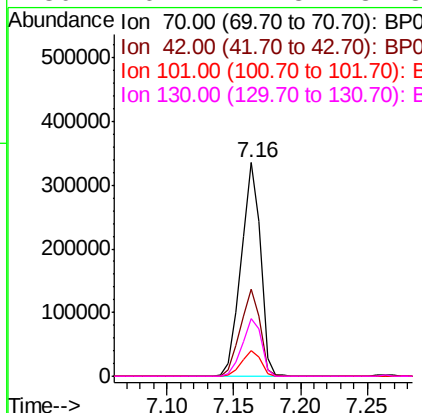
#19  
n-Nitroso-di-n-propylamine  
Concen: 38.563 ng  
RT: 7.16 min Scan# 863  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 70      | 100  |       |      |       |       |
| 42      | 40.7 | 33.2  | 49.8 |       |       |
| 101     | 12.1 | 9.9   | 14.9 |       |       |
| 130     | 26.7 | 21.8  | 32.8 |       |       |

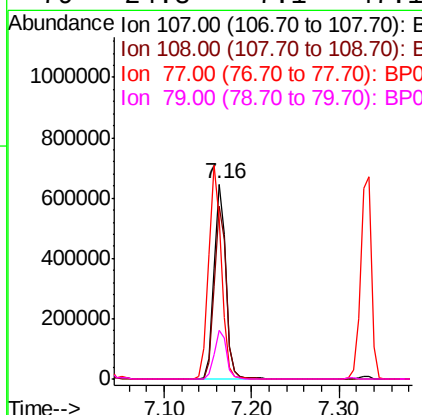
Manual Integrations  
APPROVED

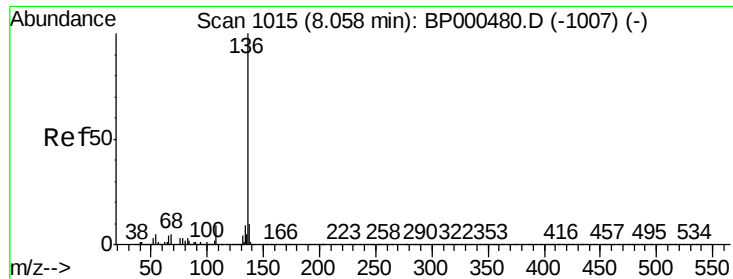
mohammad  
10/16/2019 8:07:58 AM



#20  
3+4-Methylphenols  
Concen: 40.649 ng  
RT: 7.16 min Scan# 863  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       |        |       |       |
| 108     | 88.8 | 72.6  | 112.6  |       |       |
| 77      | 82.0 | 93.3  | 133.3# |       |       |
| 79      | 24.8 | 7.1   | 47.1   |       |       |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.02 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

Instrument :

BNA\_P

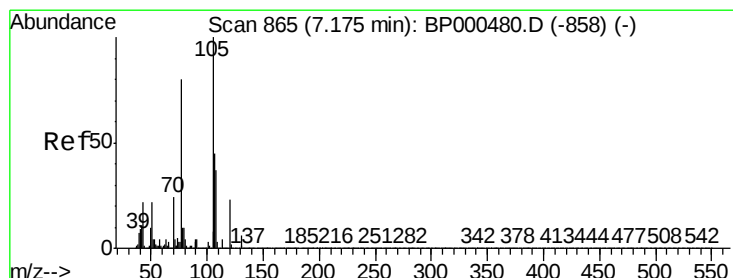
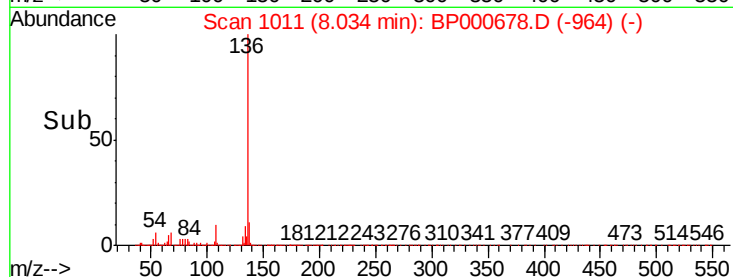
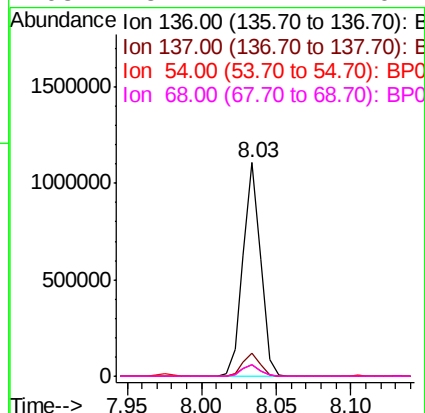
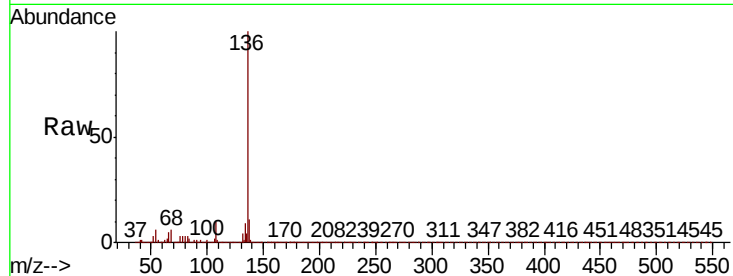
ClientSampleId :

SOIL-PILEMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 909139 |       |       |
| 137     | 11.0  | 8.2    | 12.4  |       |
| 54      | 5.7   | 4.1    | 6.1   |       |
| 68      | 5.7   | 4.1    | 6.1   |       |

Manual Integrations  
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#22

Acetophenone

Concen: 39.067 ng

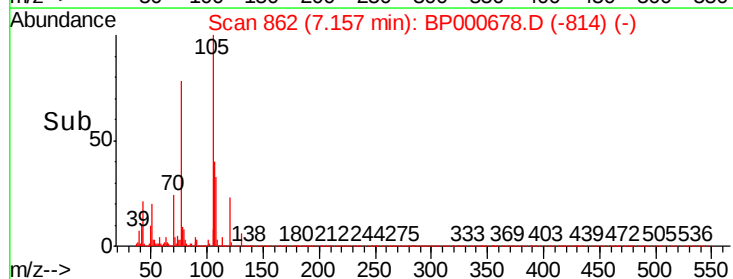
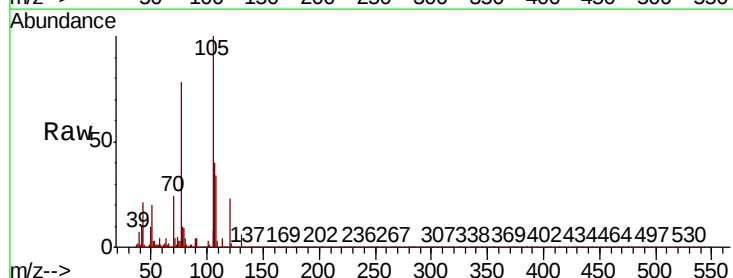
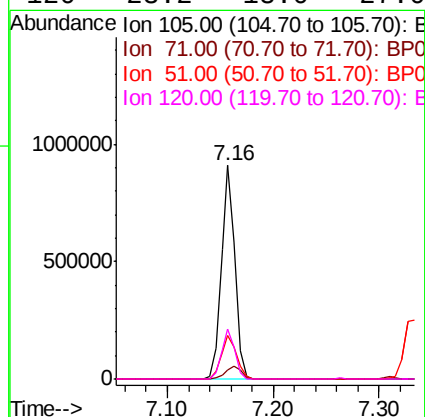
RT: 7.16 min Scan# 862

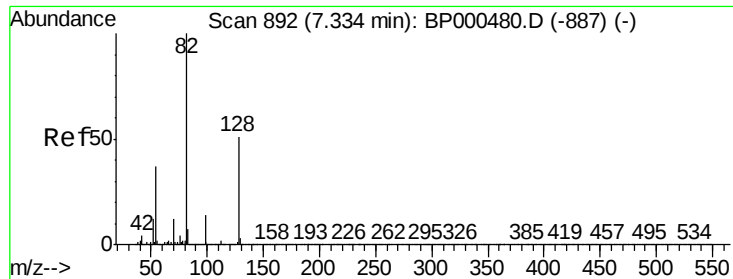
Delta R.T. -0.02 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 820690 |       |       |
| 71      | 4.2   | 3.3    | 4.9   |       |
| 51      | 20.3  | 17.4   | 26.2  |       |
| 120     | 23.2  | 18.0   | 27.0  |       |





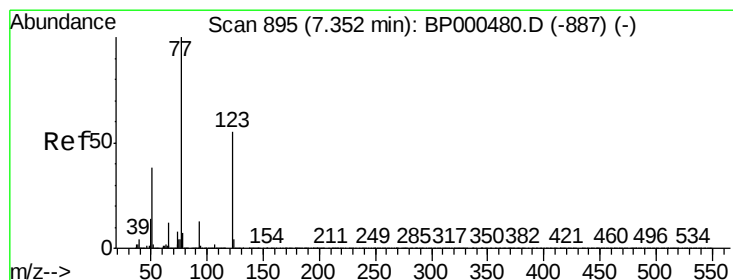
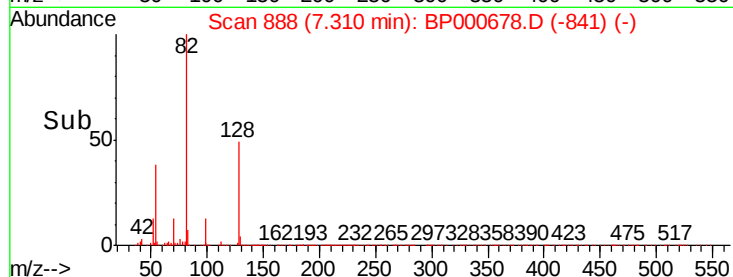
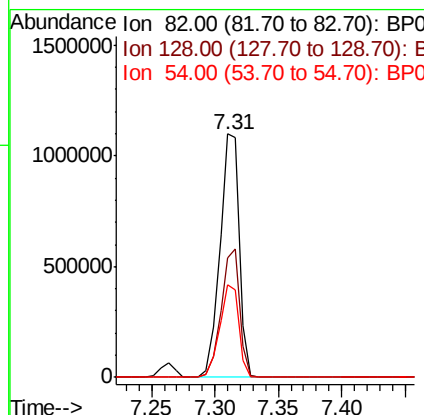
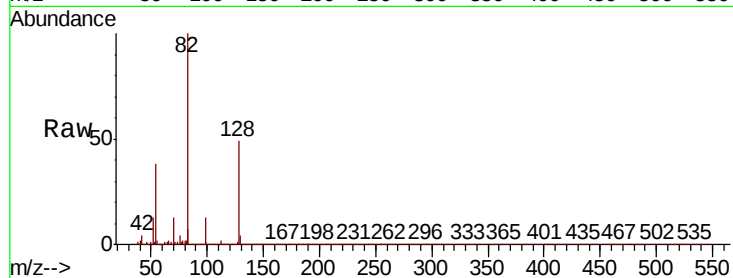
#23  
Nitrobenzene-d5  
Concen: 79.043 ng  
RT: 7.31 min Scan# 888  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 49.3  | 40.9  | 61.3  |
| 54      | 37.8  | 29.4  | 44.2  |

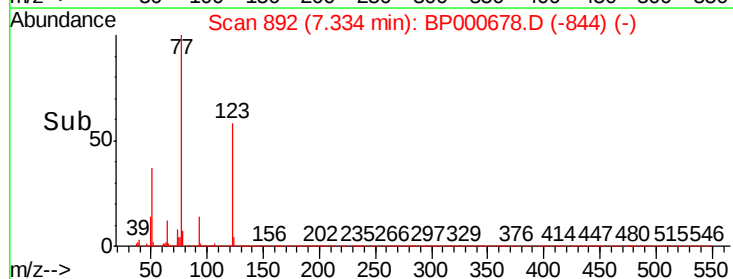
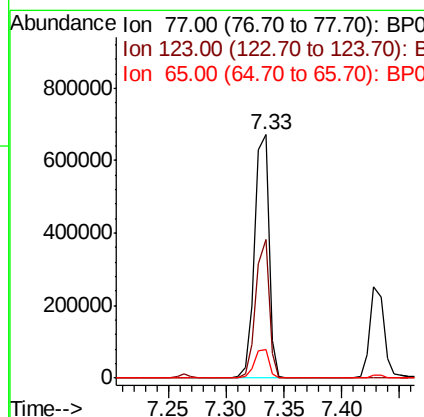
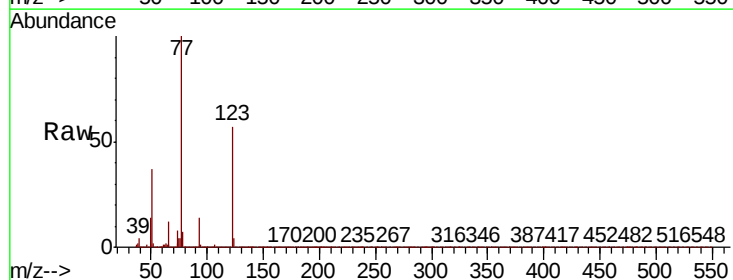
Manual Integrations  
APPROVED

mohammad  
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#24  
Nitrobenzene  
Concen: 40.617 ng  
RT: 7.33 min Scan# 892  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 57.2  | 44.1  | 66.1  |
| 65      | 11.9  | 9.7   | 14.5  |





#25

Isophorone

Concen: 41.079 ng

RT: 7.57 min Scan# 932

Delta R.T. -0.02 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

Instrument :

BNA\_P

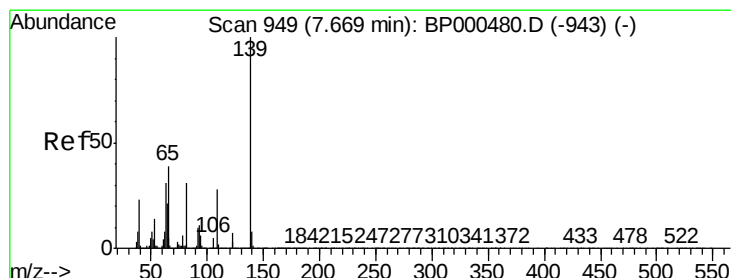
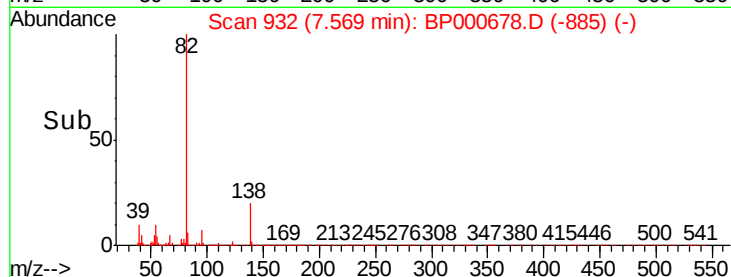
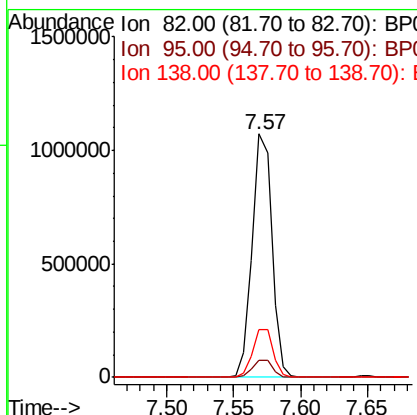
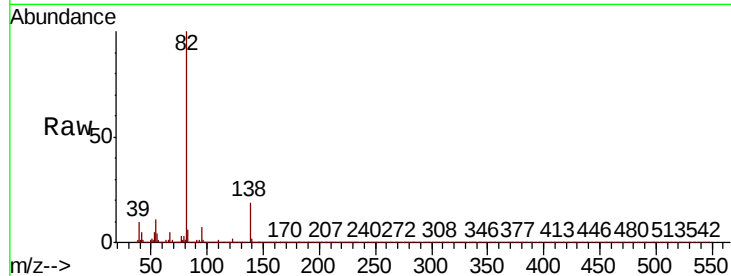
ClientSampled :

SOIL-PILEMS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 82    | Resp: | 1085261 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 95       | 7.1   | 5.8   | 8.6     |
| 138      | 19.5  | 17.0  | 25.4    |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 42.933 ng

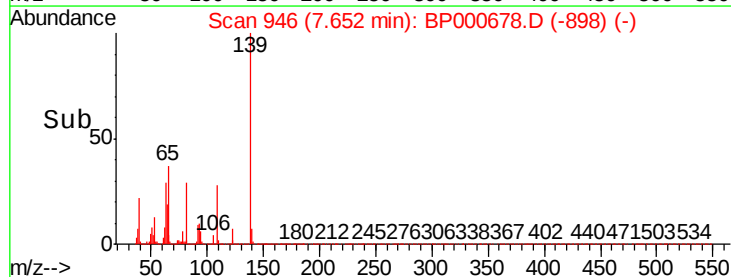
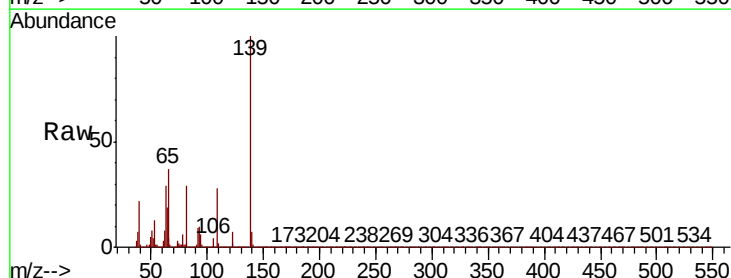
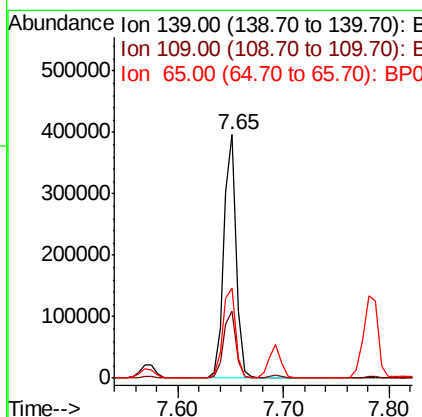
RT: 7.65 min Scan# 946

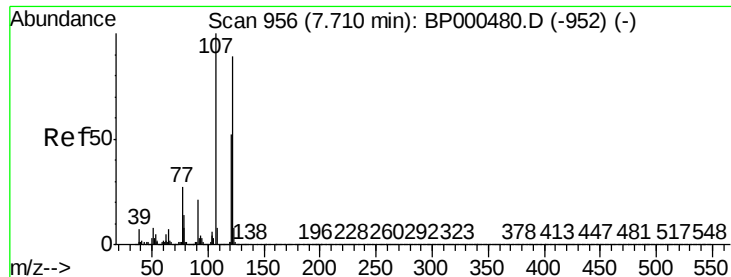
Delta R.T. -0.02 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 139   | Resp: | 324138 |
| Ion      | Ratio | Lower | Upper  |
| 139      | 100   |       |        |
| 109      | 27.7  | 22.8  | 34.2   |
| 65       | 36.8  | 31.5  | 47.3   |





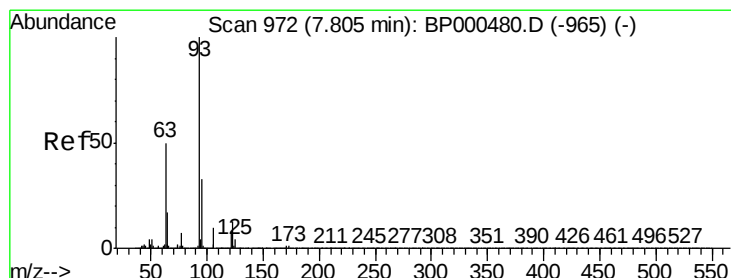
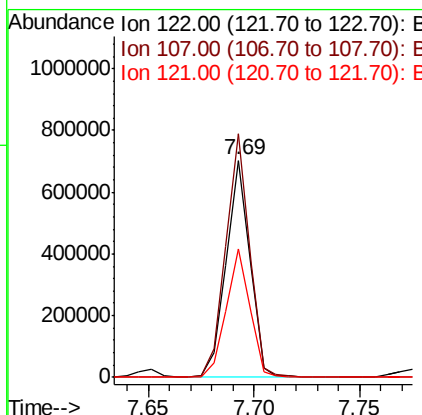
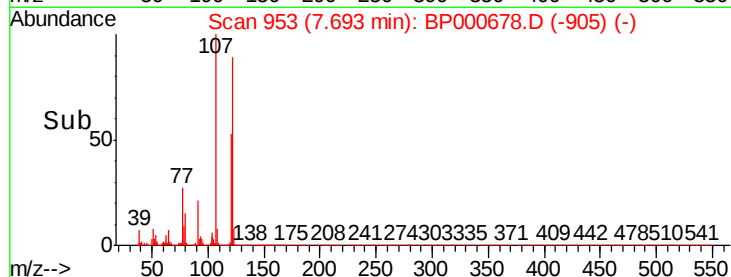
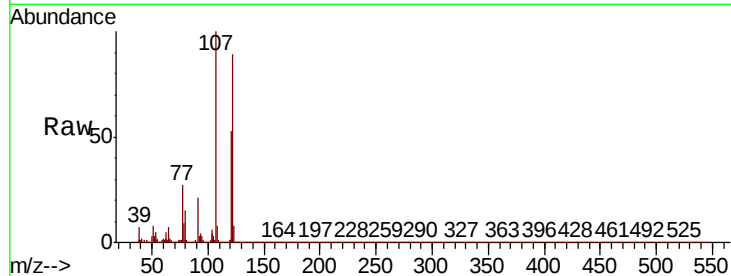
#27  
2,4-Dimethylphenol  
Concen: 47.223 ng  
RT: 7.69 min Scan# 953  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 546513 |       |       |
| 107     | 112.0 | 89.9   | 134.9 |       |
| 121     | 58.9  | 46.6   | 70.0  |       |

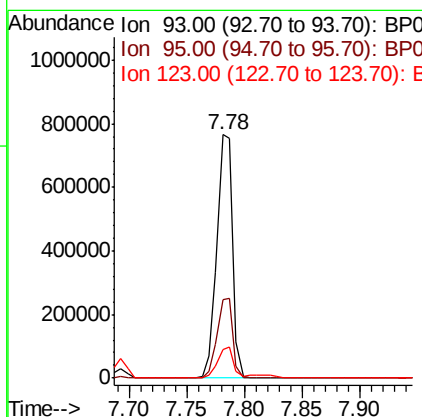
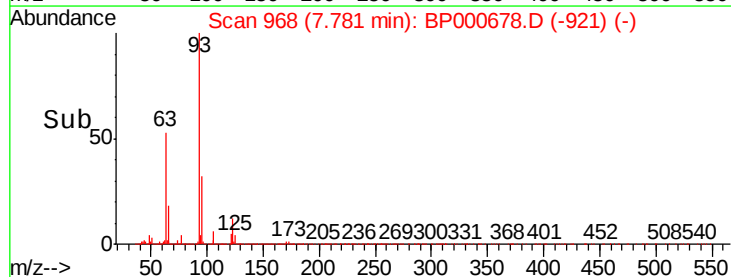
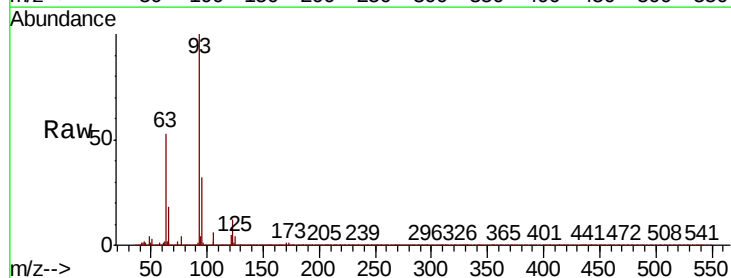
Manual Integrations  
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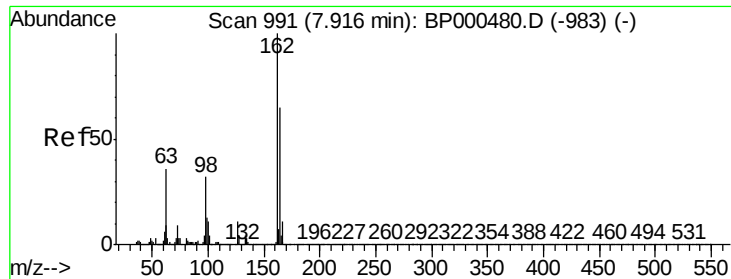
mohammad  
10/16/2019 8:07:58 AM



#28  
bis(2-Chloroethoxy)methane  
Concen: 40.269 ng  
RT: 7.78 min Scan# 968  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 722984 |       |       |
| 95      | 32.1  | 26.2   | 39.2  |       |
| 123     | 12.0  | 10.2   | 15.2  |       |





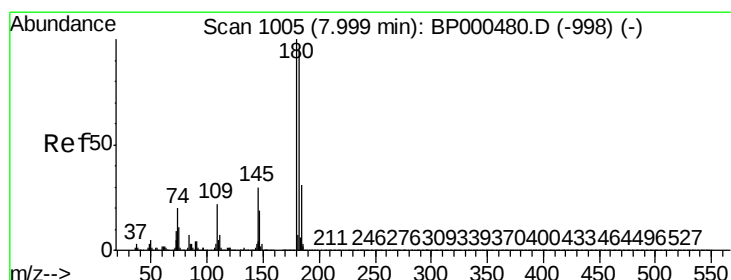
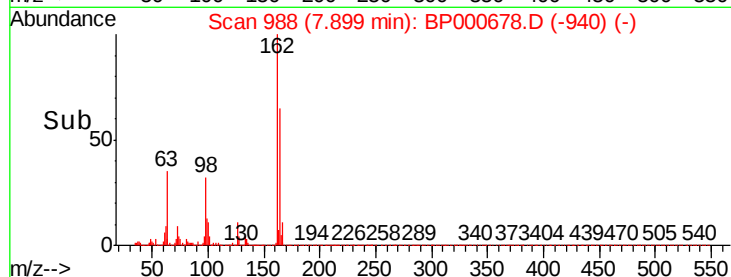
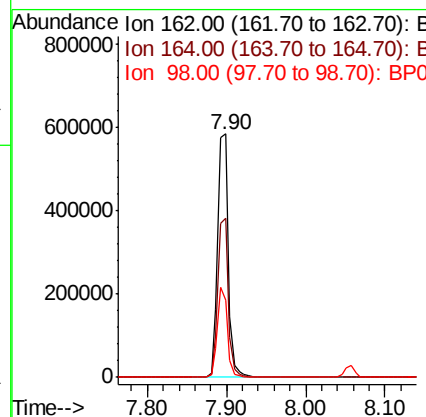
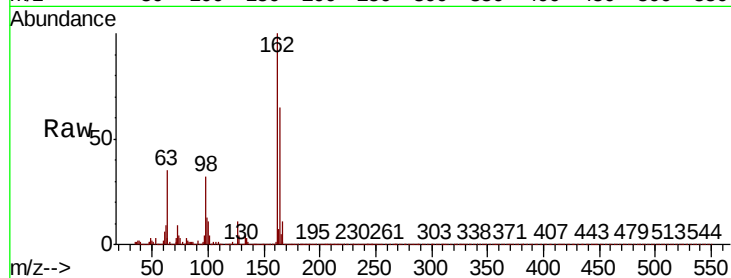
#29  
2,4-Dichlorophenol  
Concen: 41.586 ng  
RT: 7.90 min Scan# 988  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 162     | 100   |      |       |       |
| 164     | 65.3  | 44.6 | 84.6  |       |
| 98      | 31.6  | 11.6 | 51.6  |       |

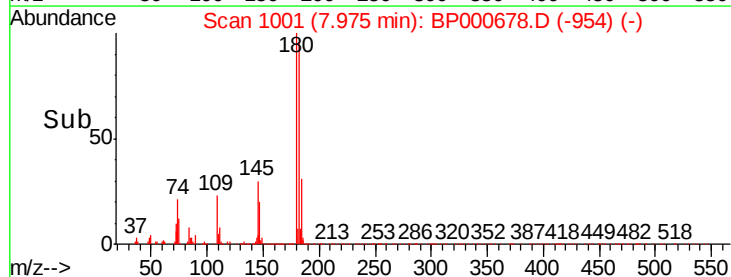
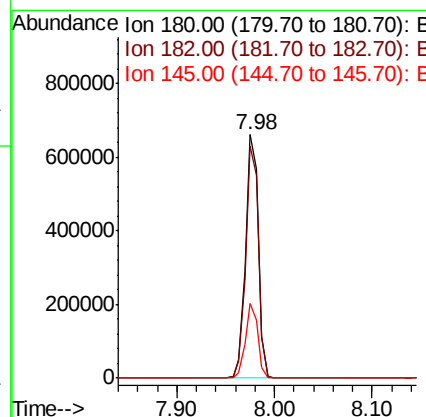
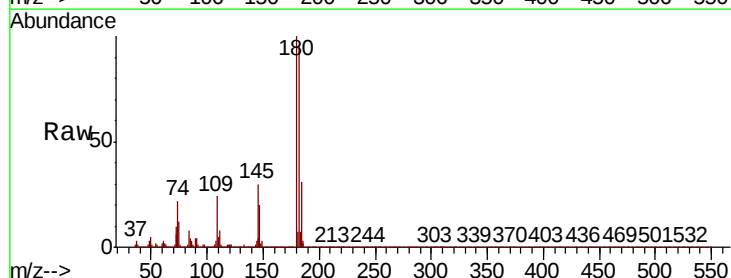
Manual Integrations  
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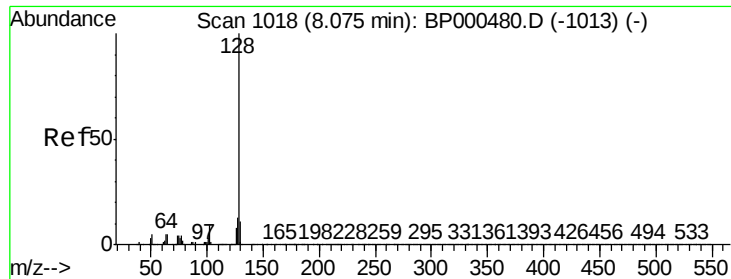
mohammad  
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#30  
1,2,4-Trichlorobenzene  
Concen: 38.888 ng  
RT: 7.98 min Scan# 1001  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 95.5  | 76.2 | 114.4 |       |
| 145     | 30.4  | 23.6 | 35.4  |       |





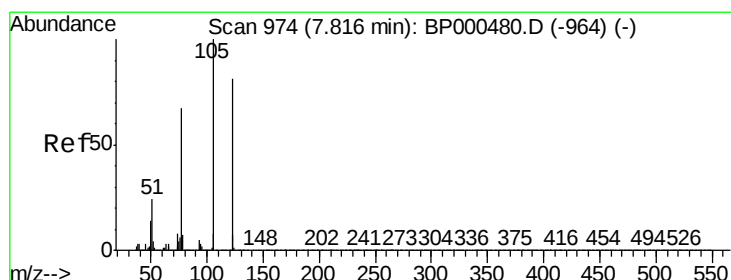
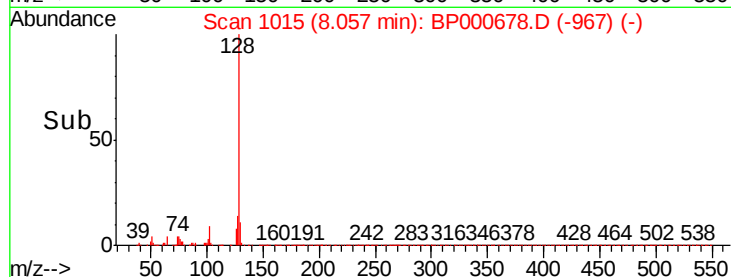
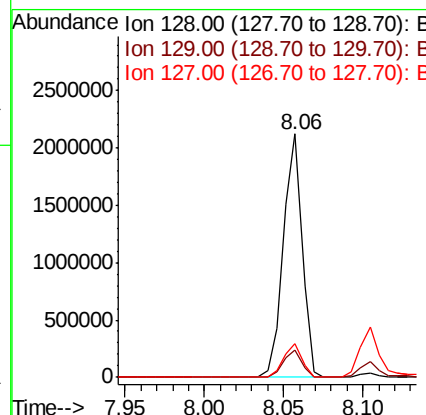
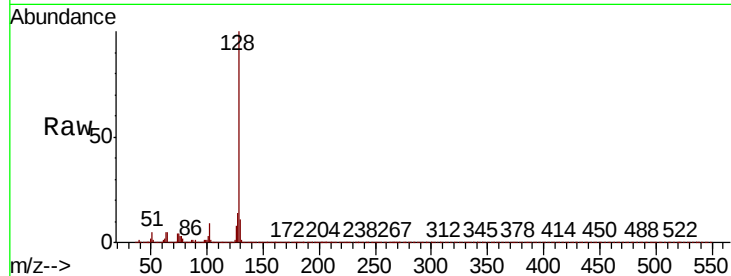
#31  
Naphthalene  
Concen: 41.301 ng  
RT: 8.06 min Scan# 1015  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.2  | 9.0   | 13.6  |
| 127     | 13.6  | 10.5  | 15.7  |

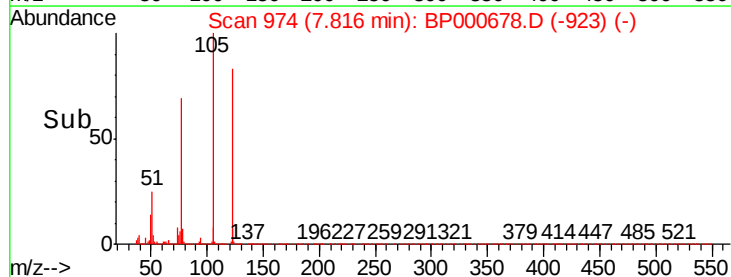
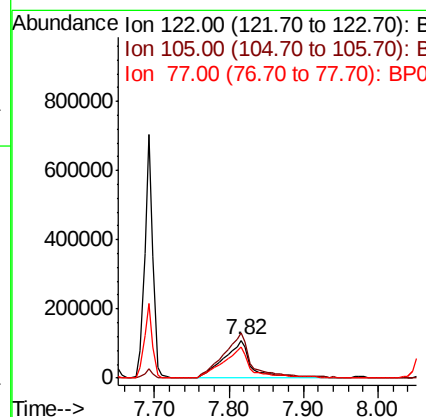
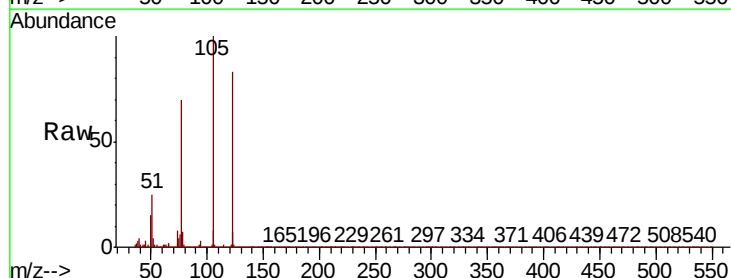
Manual Integrations  
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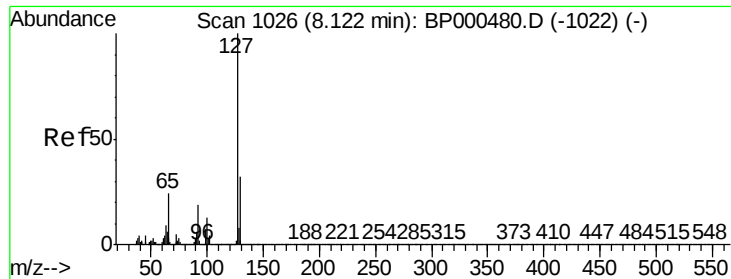
mohammad  
10/16/2019 8:07:58 AM



#32  
Benzoic acid  
Concen: 37.946 ng  
RT: 7.82 min Scan# 974  
Delta R.T. -0.00 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 120.6 | 101.4 | 141.4 |
| 77      | 83.9  | 62.1  | 102.1 |





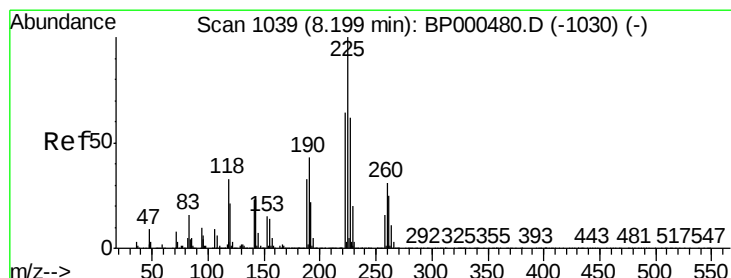
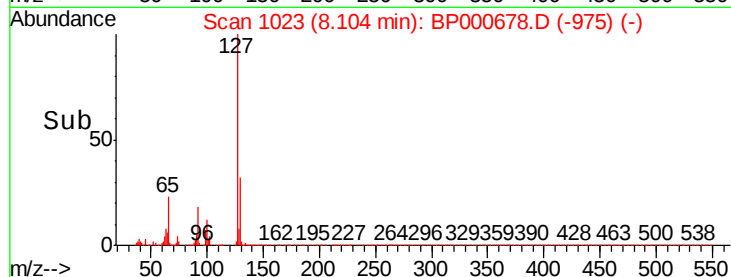
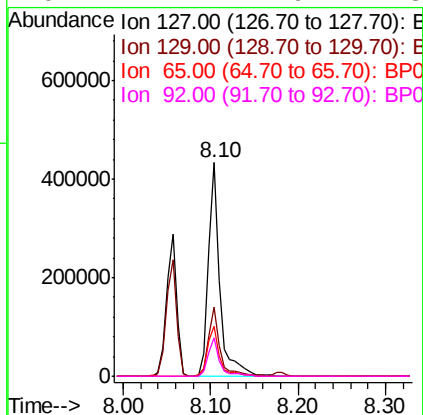
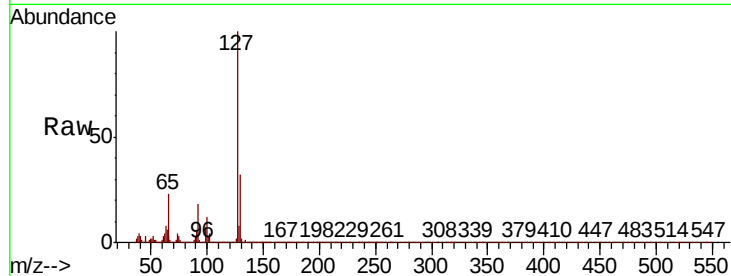
#33  
4-Chloroaniline  
Concen: 21.233 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.1 |       | 25.6 | 38.4  |       |
| 65      | 23.1 |       | 19.2 | 28.8  |       |
| 92      | 17.7 |       | 14.9 | 22.3  |       |

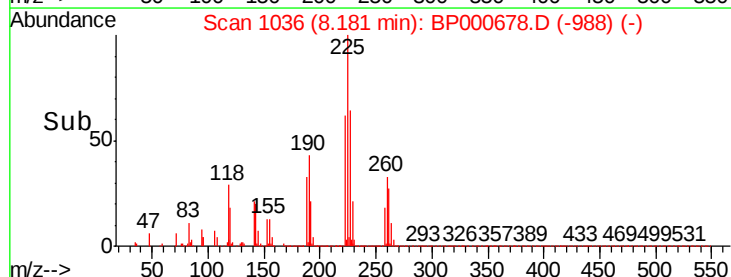
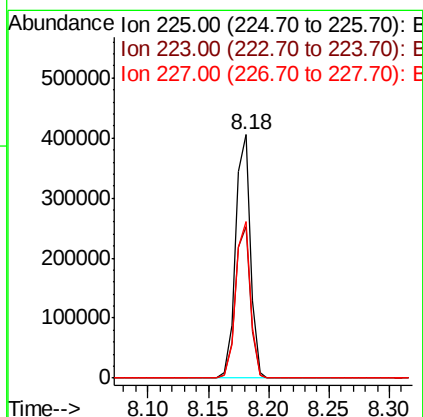
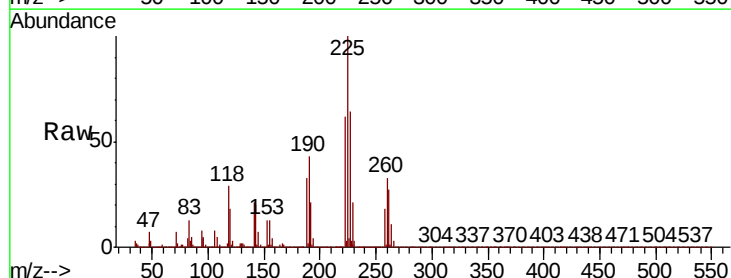
Manual Integrations  
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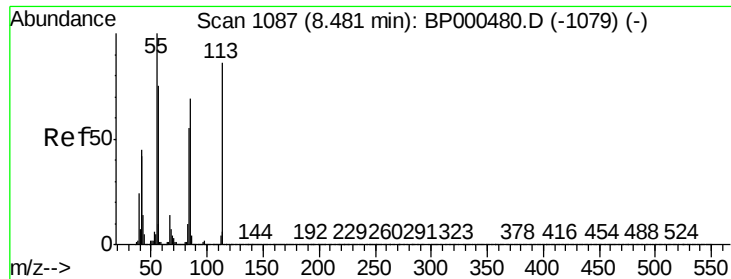
mohammad  
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#34  
Hexachlorobutadiene  
Concen: 37.493 ng  
RT: 8.18 min Scan# 1036  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 62.4 |       | 51.4 | 77.0  |       |
| 227     | 64.1 |       | 49.7 | 74.5  |       |





#35

Caprolactam

Concen: 40.870 ng/ml

RT: 8.47 min Scan# 1085

Delta R.T. -0.01 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

Instrument :

BNA\_P

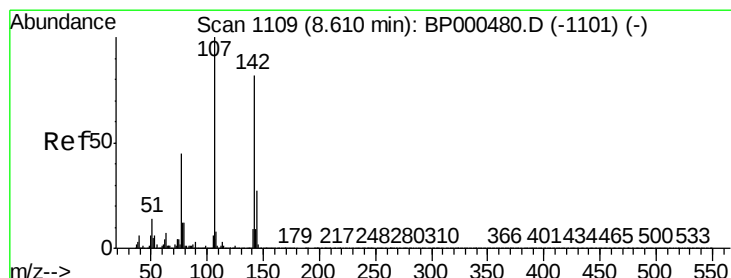
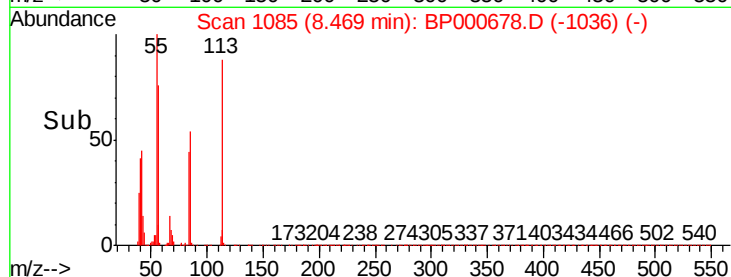
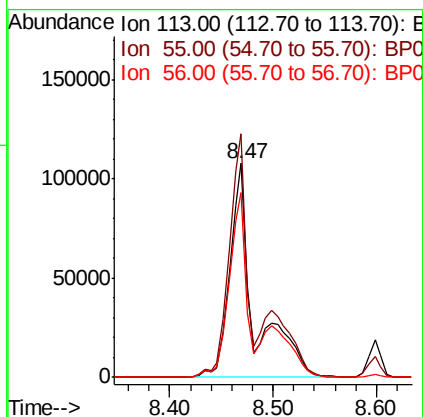
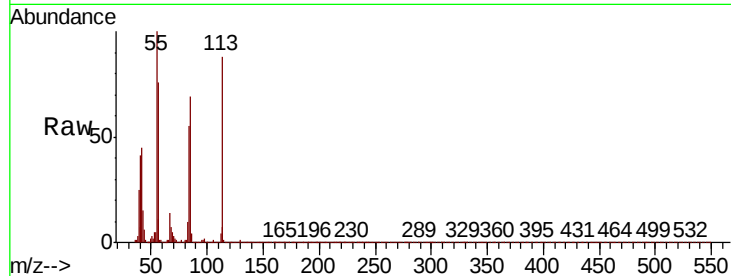
ClientSampleId :

SOIL-PILEMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 179128 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 113.8 | 95.9  | 135.9  |
| 56        | 86.6  | 67.2  | 107.2  |

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#36

4-Chloro-3-methylphenol

Concen: 42.149 ng/ml

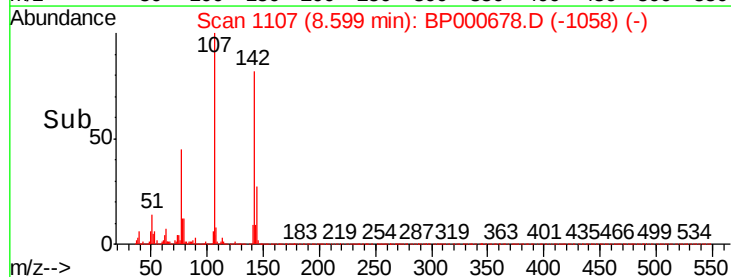
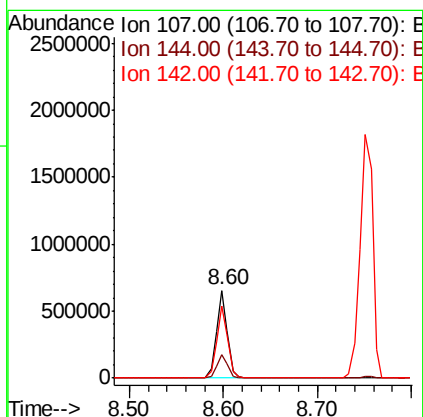
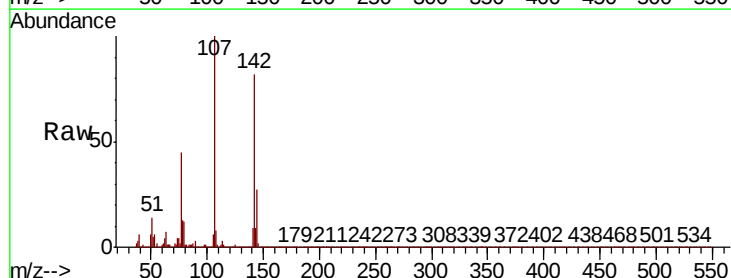
RT: 8.60 min Scan# 1107

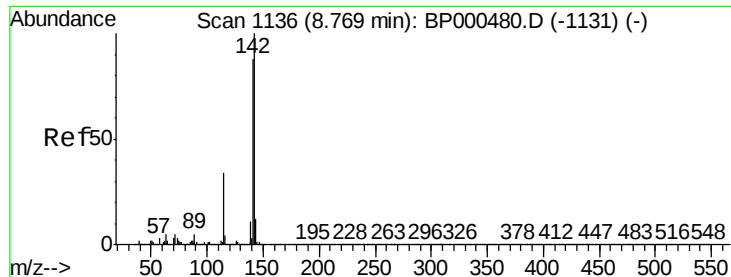
Delta R.T. -0.01 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 540199 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 26.5  | 21.8  | 32.8   |
| 142       | 82.1  | 65.5  | 98.3   |





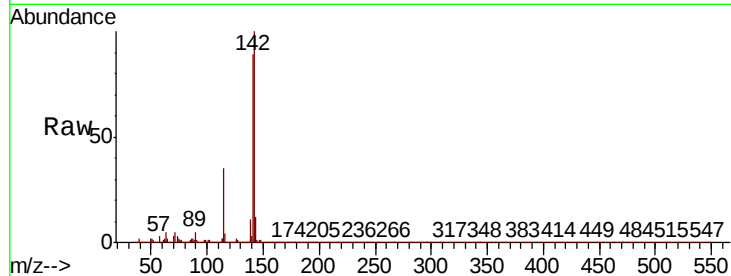
#37  
2-Methylnaphthalene  
Concen: 60.001 ng  
RT: 8.75 min Scan# 1133  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.8  | 70.6  | 106.0 |
| 115     | 35.3  | 27.4  | 41.0  |

Manual Integrations  
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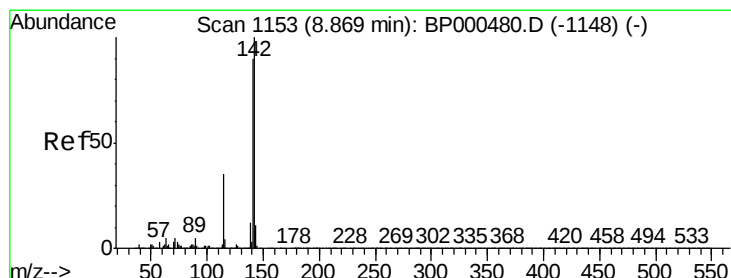
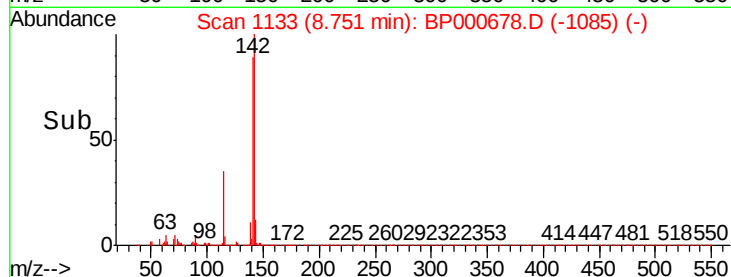
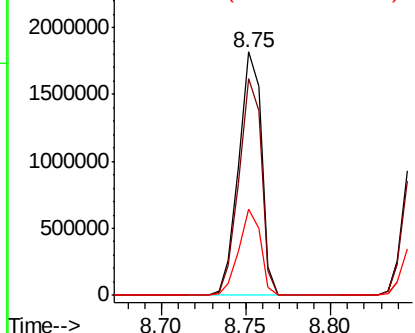


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
1-Methylnaphthalene  
Concen: 54.964 ng  
RT: 8.85 min Scan# 1150  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

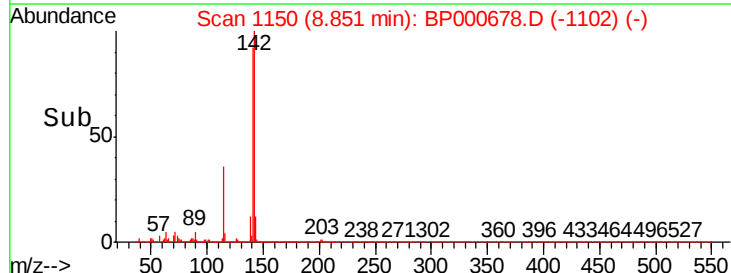
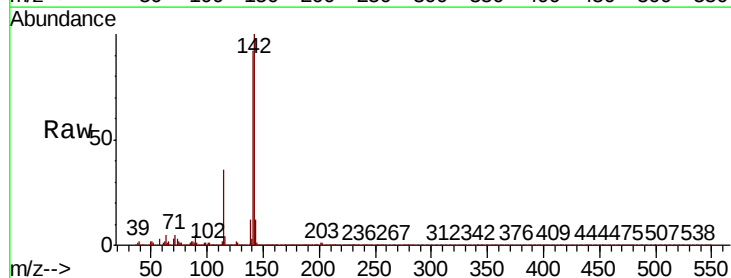
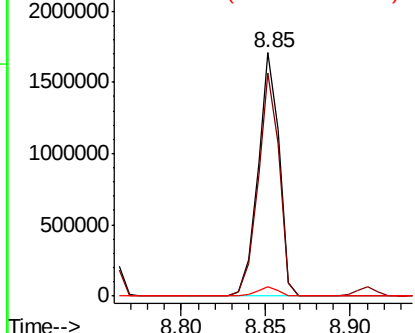
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.6  | 71.9  | 107.9 |
| 116     | 3.8   | 3.0   | 4.4   |

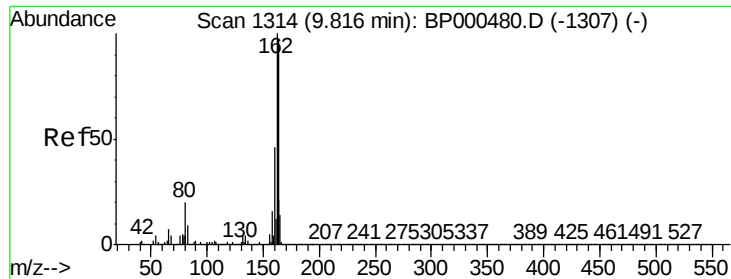
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





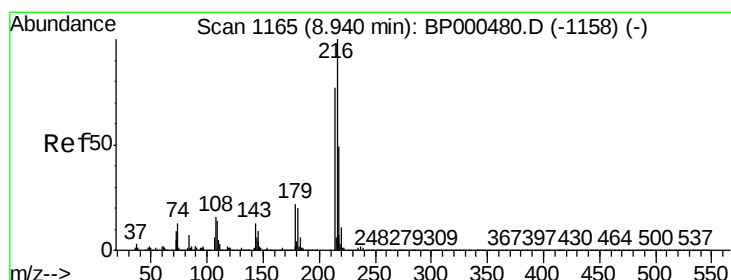
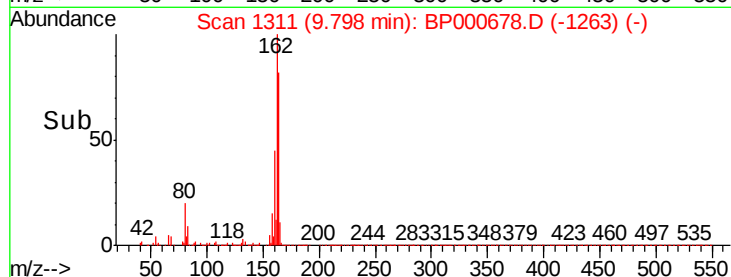
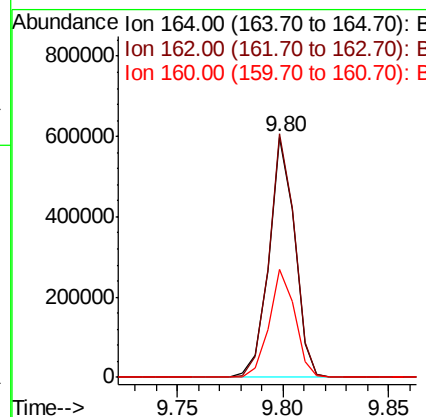
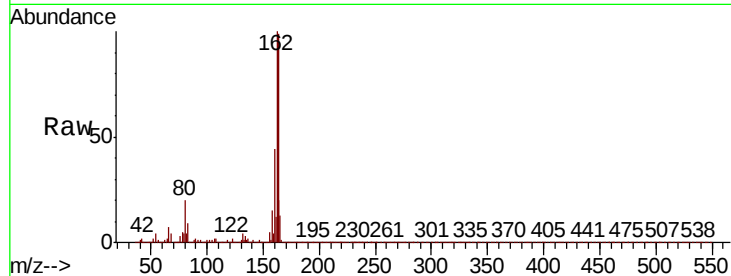
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.80 min Scan# 1311  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.5 | 82.2  | 123.2 |
| 160     | 44.7  | 37.6  | 56.4  |

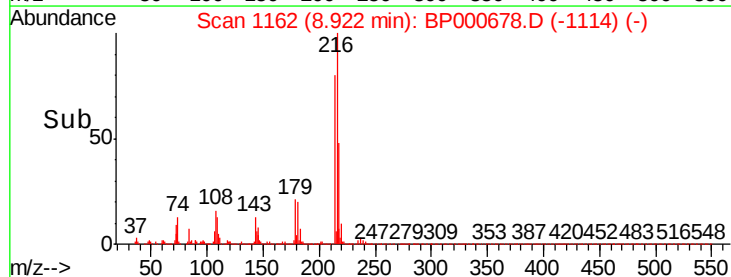
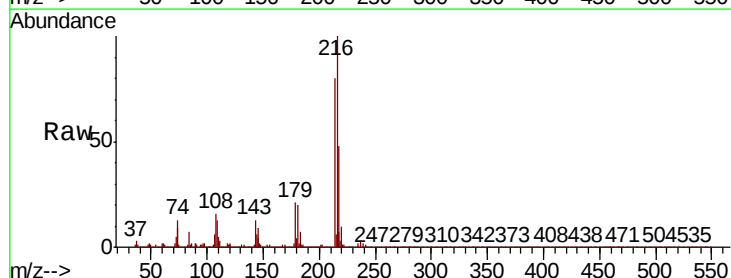
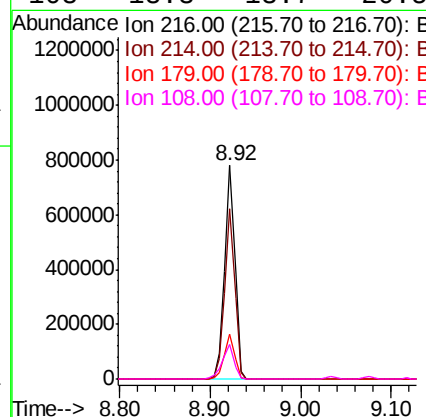
Manual Integrations  
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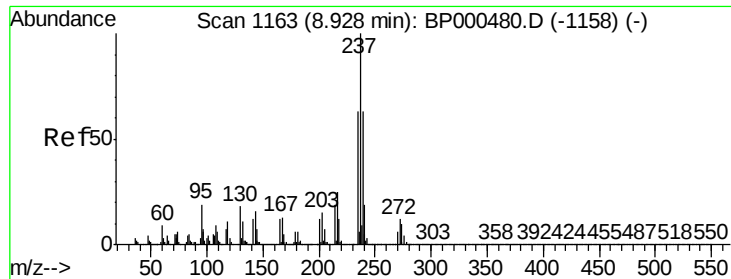
mohammad  
10/16/2019 8:07:58 AM



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 37.275 ng  
RT: 8.92 min Scan# 1162  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.1  | 62.7  | 94.1  |
| 179     | 20.7  | 16.7  | 25.1  |
| 108     | 18.3  | 13.7  | 20.5  |





#41

Hexachlorocyclopentadiene

Concen: 64.666 ng

RT: 8.91 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

Instrument :

BNA\_P

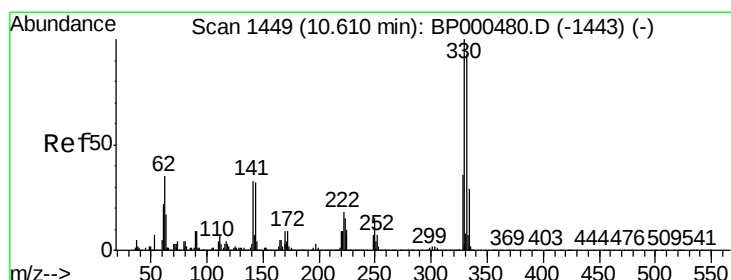
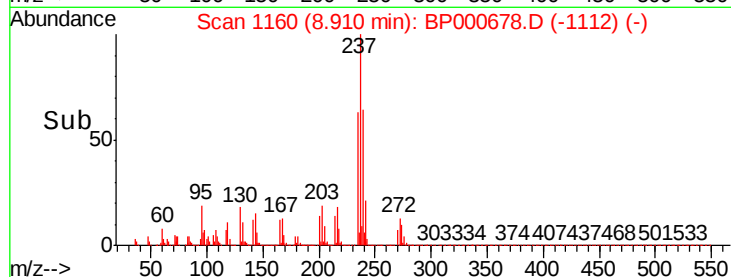
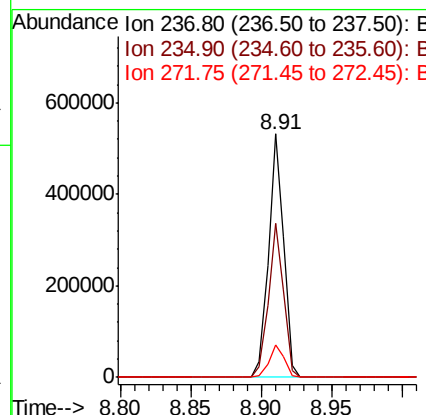
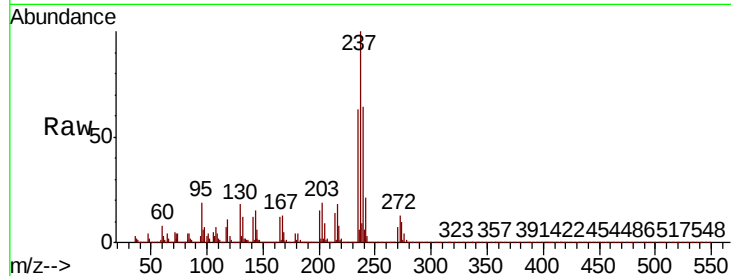
ClientSampleId :

SOIL-PILEMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 237     | 100   |      |       |       |
| 235     | 63.1  | 42.9 | 82.9  |       |
| 272     | 13.4  | 0.0  | 32.4  |       |

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#42

2,4,6-Tribromophenol

Concen: 109.651 ng

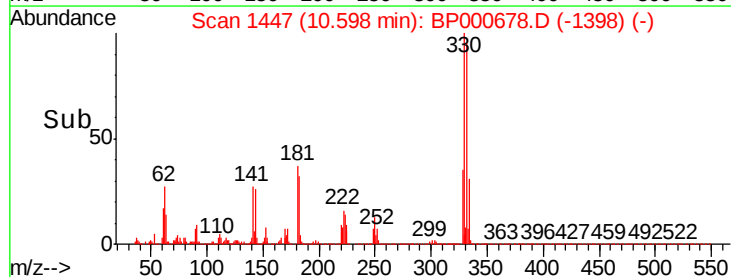
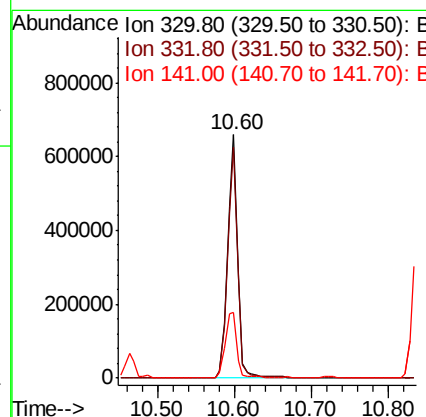
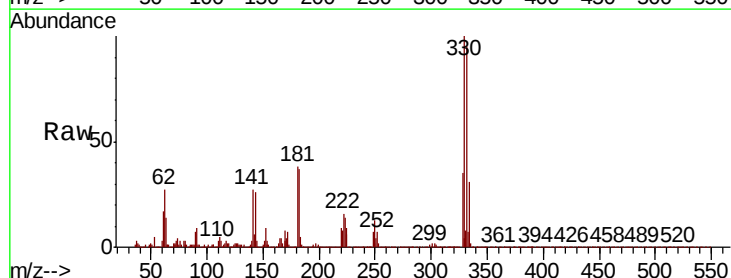
RT: 10.60 min Scan# 1447

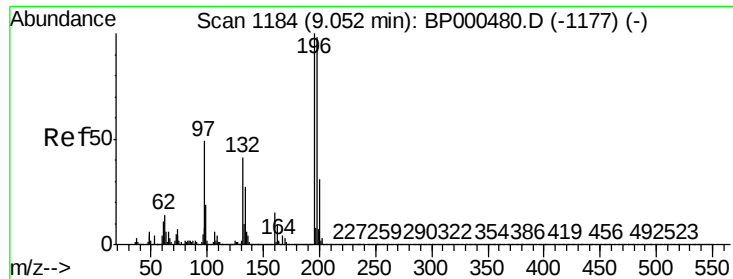
Delta R.T. -0.01 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 96.7  | 77.1 | 115.7 |       |
| 141     | 31.0  | 26.0 | 39.0  |       |





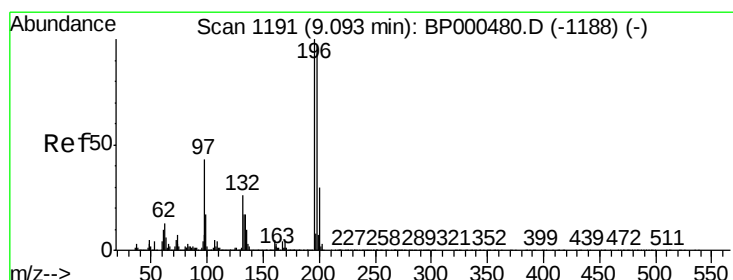
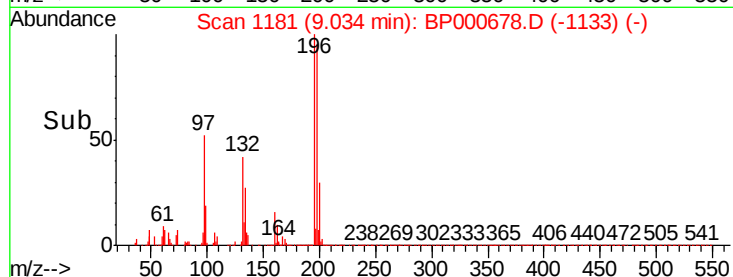
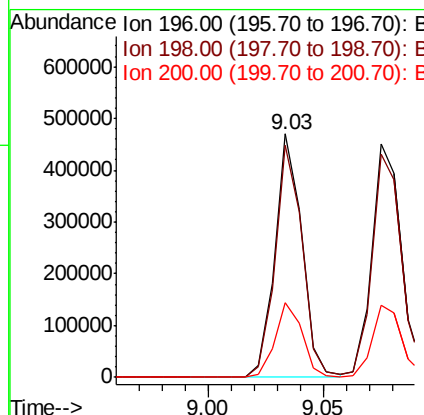
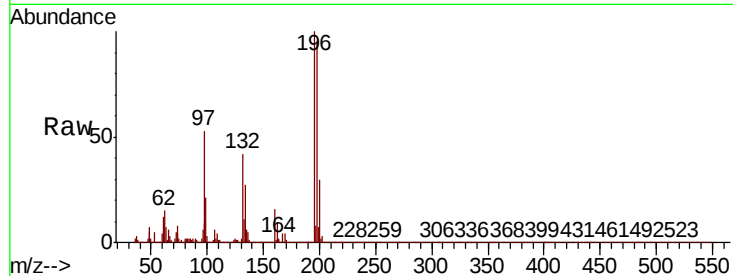
#43  
2,4,6-Trichlorophenol  
Concen: 38.333 ng  
RT: 9.03 min Scan# 1181  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.3  | 78.2  | 117.2 |
| 200     | 30.4  | 24.9  | 37.3  |

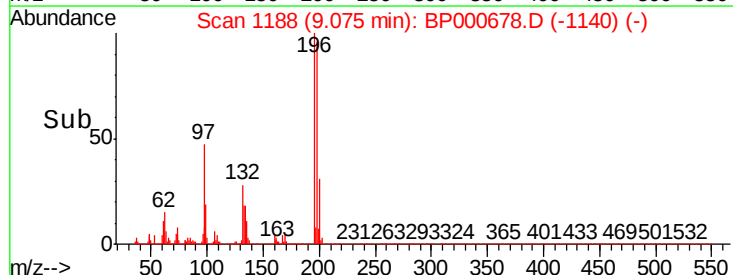
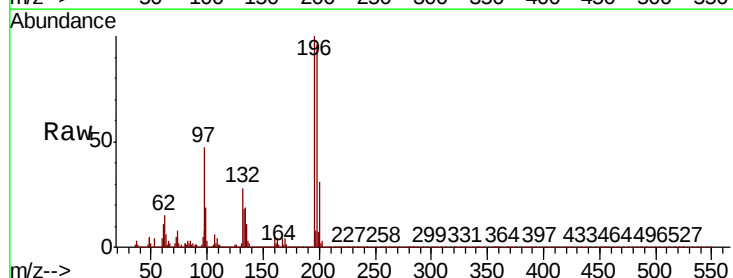
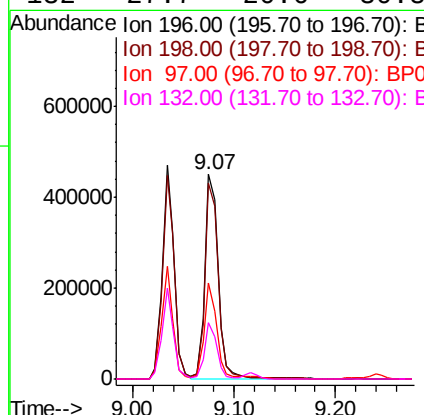
Manual Integrations  
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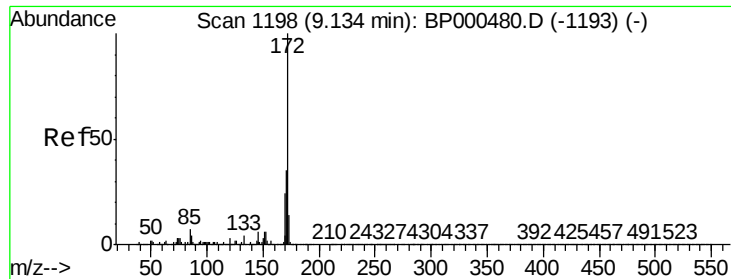
mohammad  
10/16/2019 8:07:58 AM



#44  
2,4,5-Trichlorophenol  
Concen: 40.273 ng  
RT: 9.07 min Scan# 1188  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.7  | 77.4  | 116.0 |
| 97      | 47.3  | 34.6  | 51.8  |
| 132     | 27.7  | 20.6  | 30.8  |





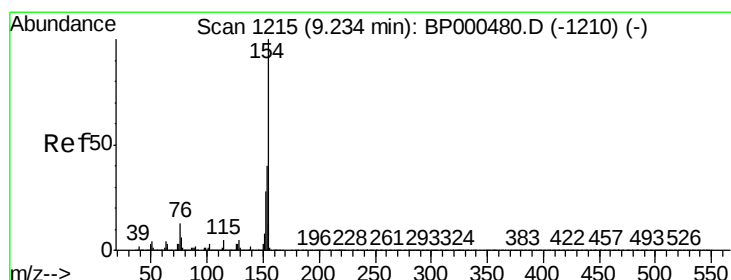
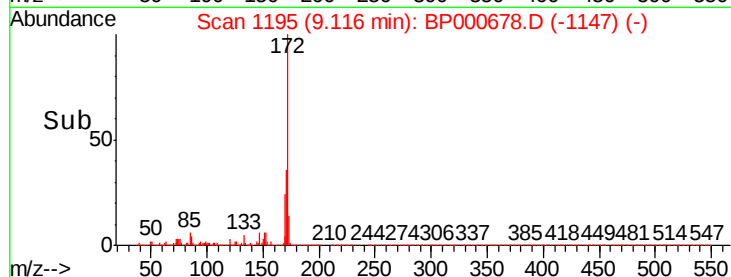
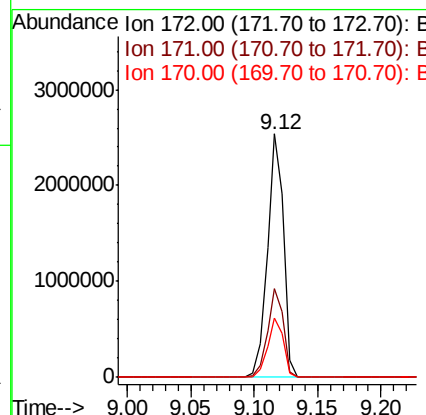
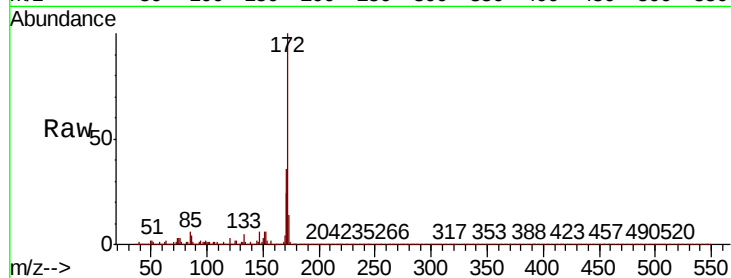
#45  
2-Fluorobiphenyl  
Concen: 71.851 ng  
RT: 9.12 min Scan# 1195  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 28.4  | 42.6  |
| 170     | 24.2  | 19.1  | 28.7  |

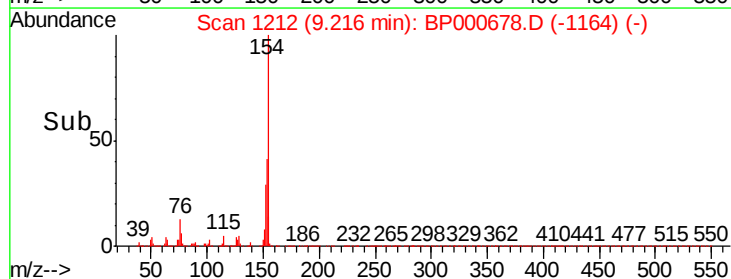
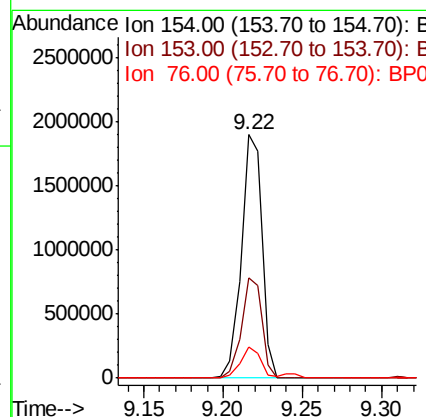
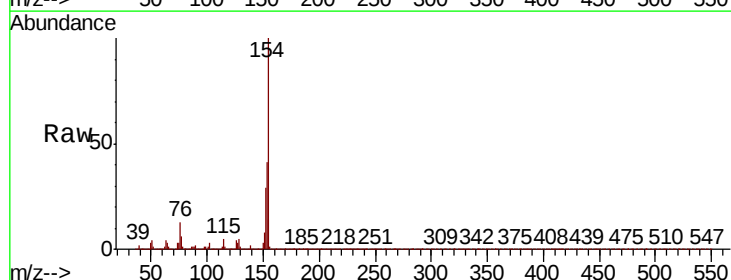
Manual Integrations  
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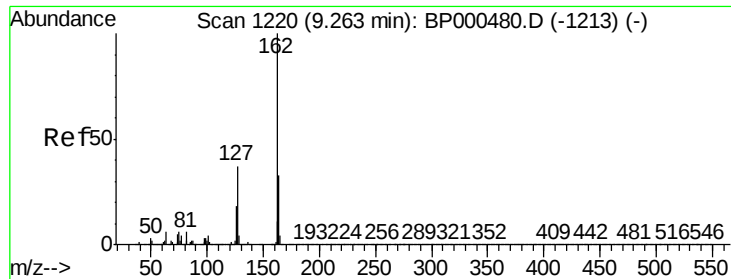
mohammad  
10/16/2019 8:07:58 AM



#46  
1,1'-Biphenyl  
Concen: 44.619 ng  
RT: 9.22 min Scan# 1212  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.4  | 19.9  | 59.9  |
| 76      | 12.6  | 0.0   | 32.8  |





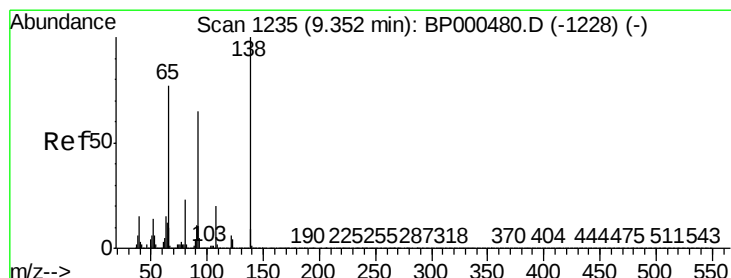
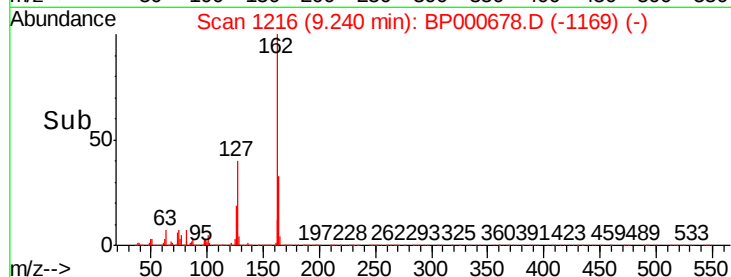
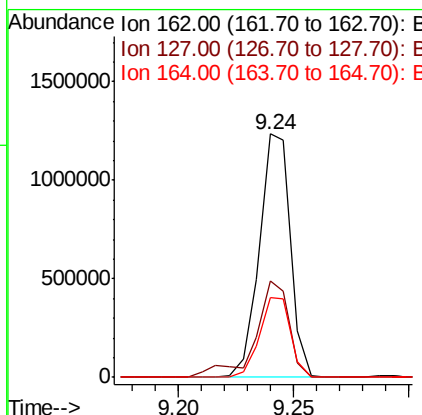
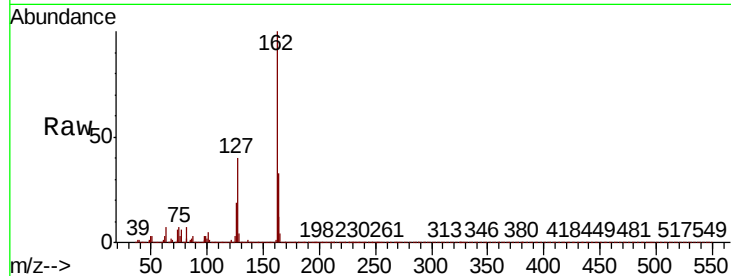
#47  
2-Chloronaphthalene  
Concen: 38.976 ng  
RT: 9.24 min Scan# 1216  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.6  | 29.8  | 44.6  |
| 164     | 32.6  | 26.6  | 39.8  |

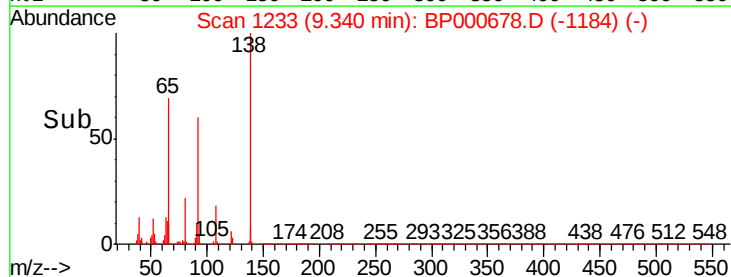
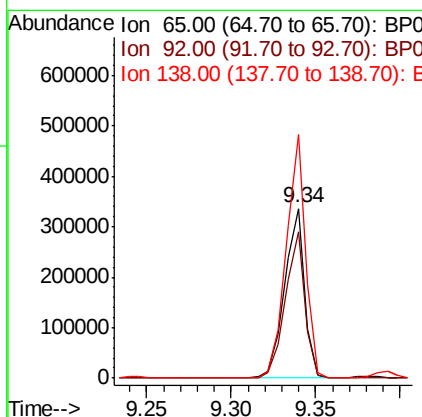
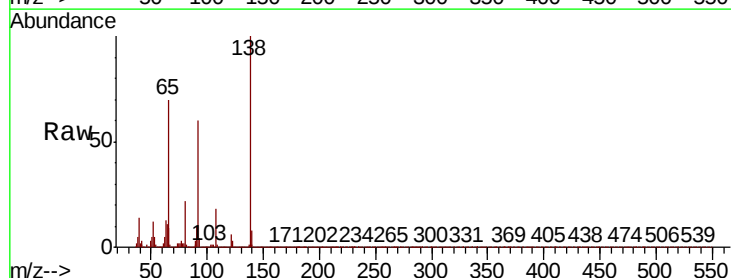
Manual Integrations  
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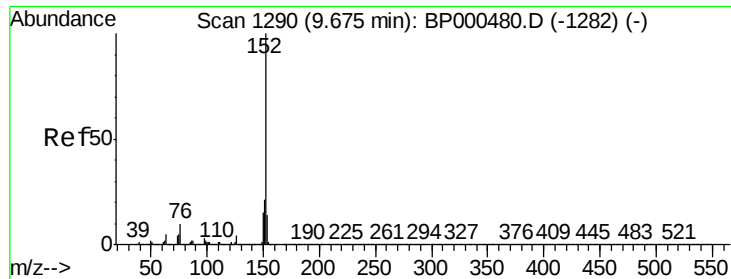
mohammad  
10/16/2019 8:07:58 AM



#48  
2-Nitroaniline  
Concen: 38.545 ng  
RT: 9.34 min Scan# 1233  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 86.2  | 67.0  | 100.4 |
| 138     | 143.6 | 103.5 | 155.3 |





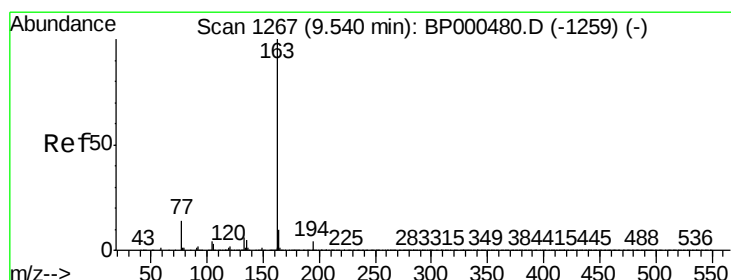
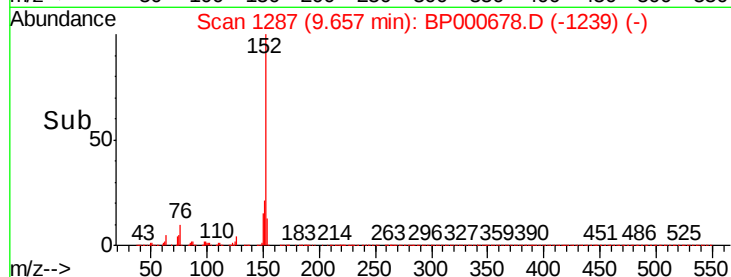
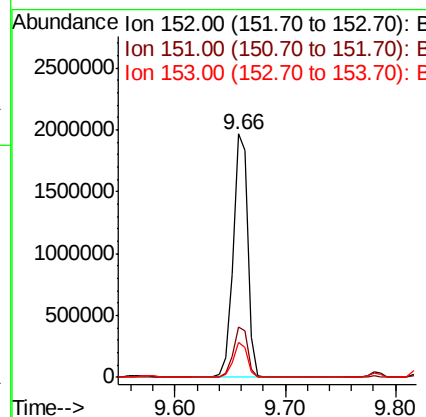
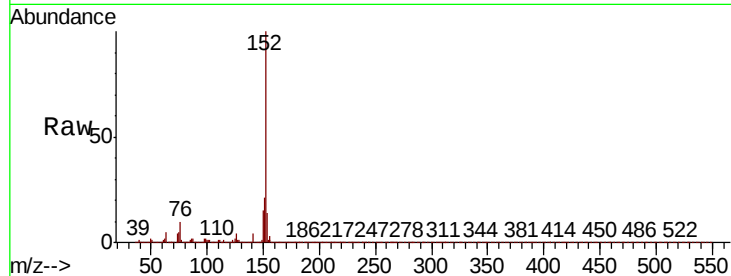
#49  
Acenaphthylene  
Concen: 40.703 ng  
RT: 9.66 min Scan# 1287  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.7  | 16.6  | 25.0  |
| 153     | 14.2  | 11.0  | 16.6  |

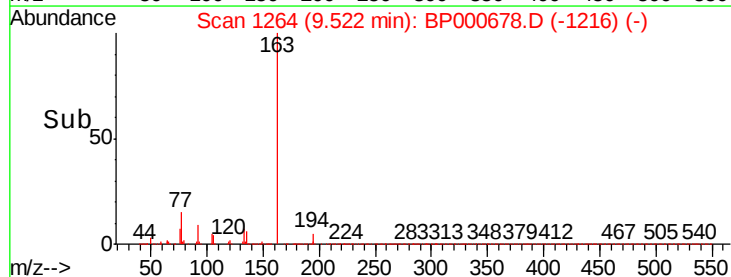
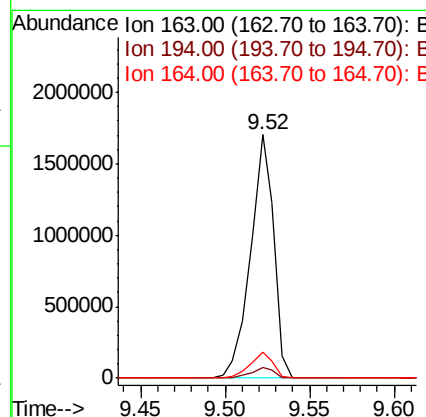
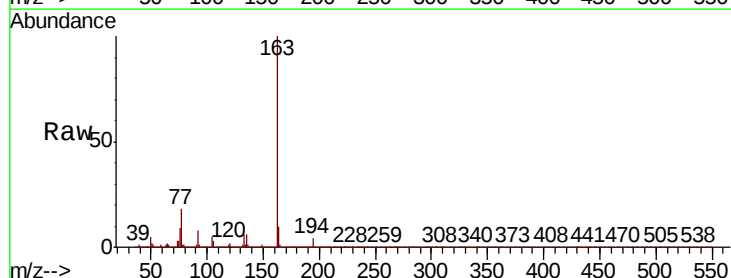
Manual Integrations  
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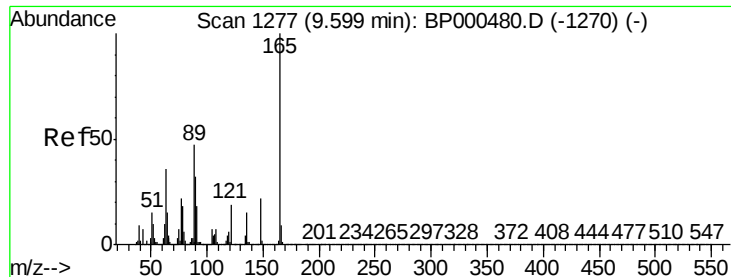
mohammad  
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#50  
Dimethylphthalate  
Concen: 46.360 ng  
RT: 9.52 min Scan# 1264  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.3   | 3.4   | 5.2   |
| 164     | 10.5  | 8.0   | 12.0  |





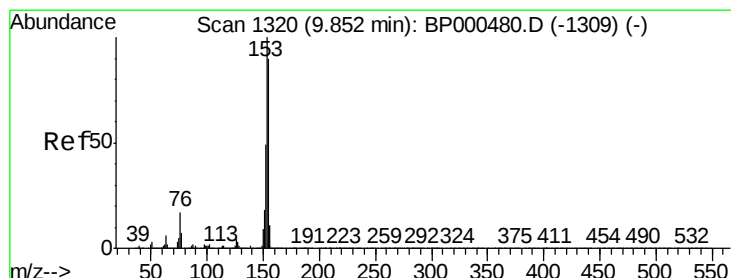
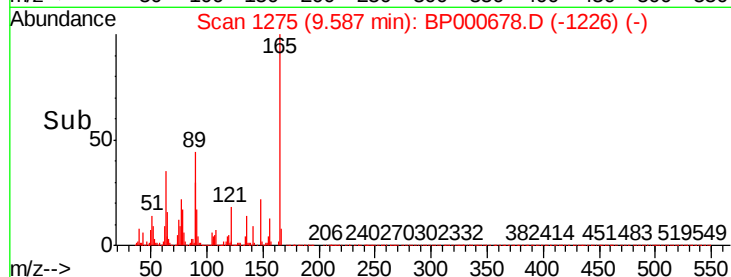
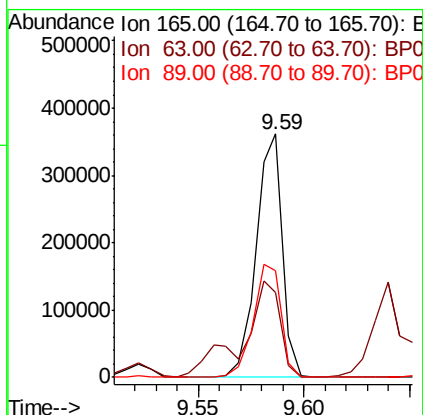
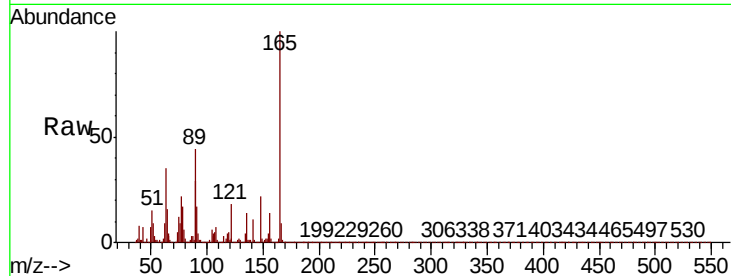
#51  
2,6-Dinitrotoluene  
Concen: 40.465 ng  
RT: 9.59 min Scan# 1275  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 34.8  | 29.9 | 44.9  |       |
| 89      | 43.7  | 37.3 | 55.9  |       |

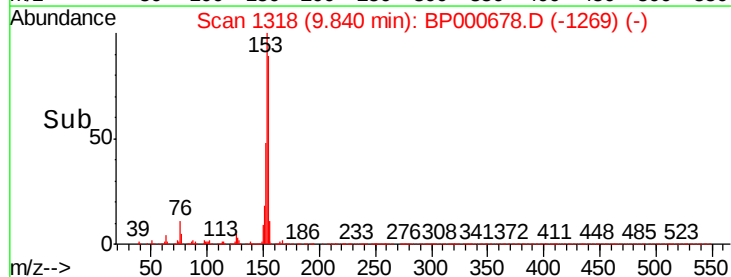
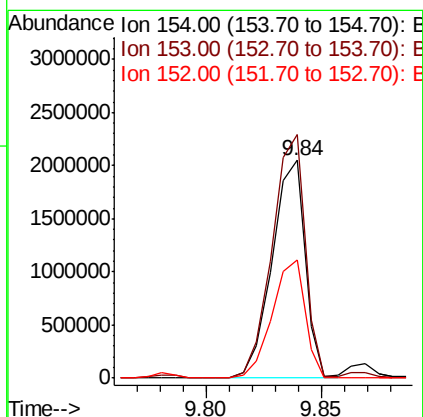
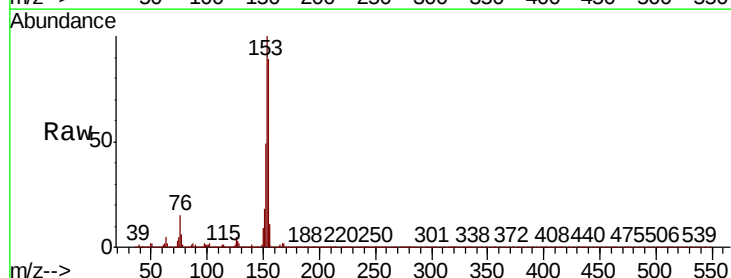
Manual Integrations  
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#52  
Acenaphthene  
Concen: 75.080 ng  
RT: 9.84 min Scan# 1318  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 111.9 | 89.4 | 134.0 |       |
| 152     | 54.4  | 43.8 | 65.8  |       |





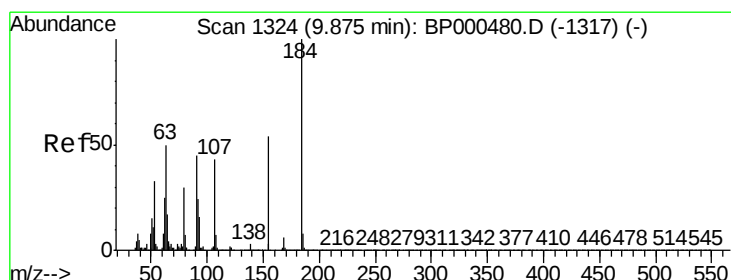
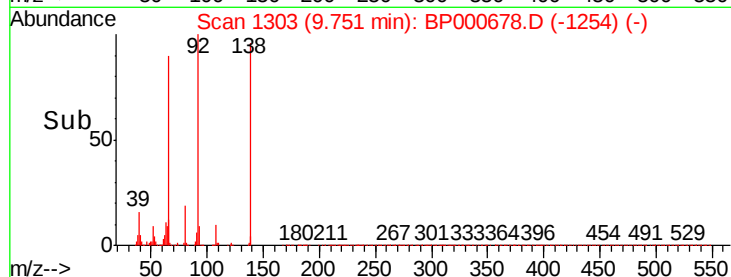
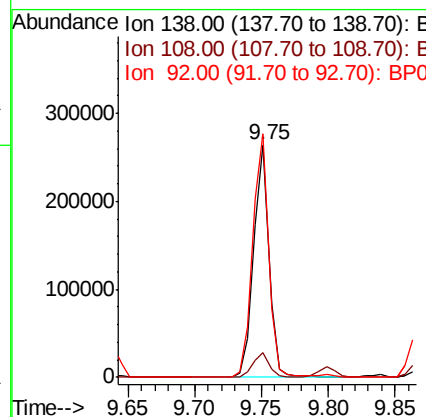
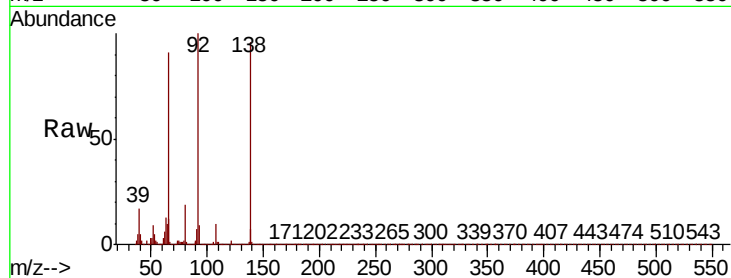
#53  
3-Nitroaniline  
Concen: 23.567 ng  
RT: 9.75 min Scan# 1303  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.6  | 8.8   | 13.2  |
| 92      | 104.6 | 90.4  | 135.6 |

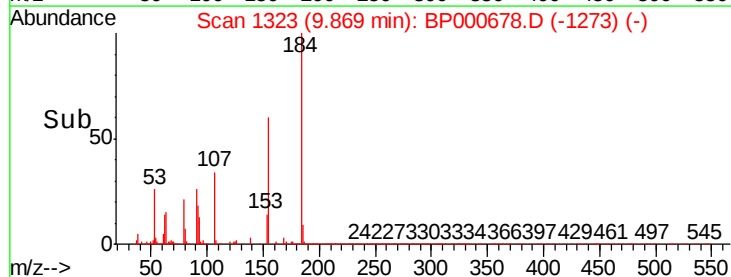
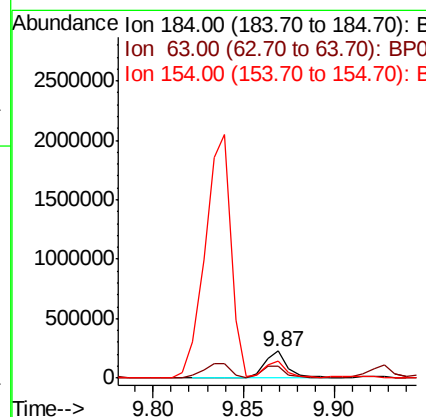
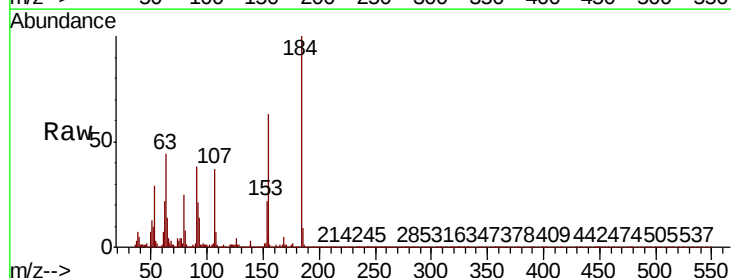
Manual Integrations  
APPROVED

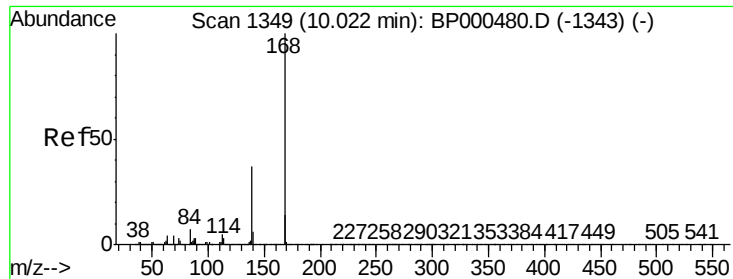
mohammad  
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#54  
2,4-Dinitrophenol  
Concen: 77.072 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 43.7  | 41.0  | 61.4  |
| 154     | 63.1  | 49.8  | 74.8  |





#55

Dibenzofuran

Concen: 69.509 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

Instrument :

BNA\_P

ClientSampleId :

SOIL-PILEMS

Tot Ion:168 Resp: 2819887

Ion Ratio Lower Upper

168 100

139 38.6 29.5 44.3

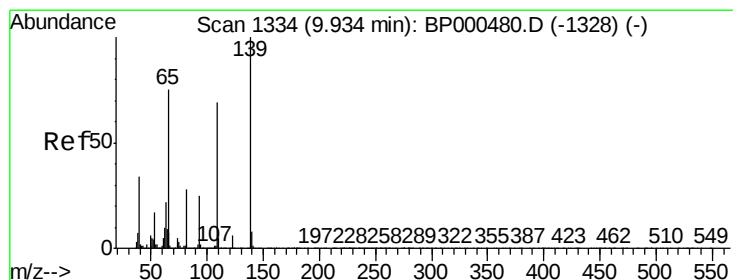
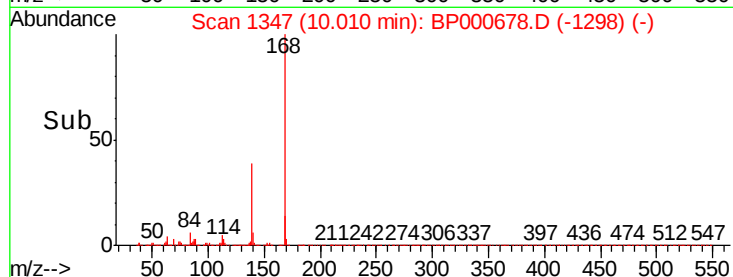
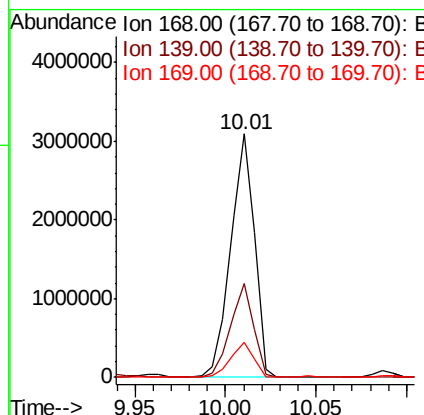
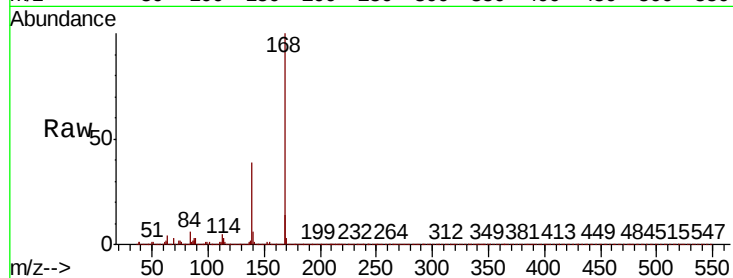
169 14.4 11.1 16.7

Manual Integrations

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#56

4-Nitrophenol

Concen: 77.823 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

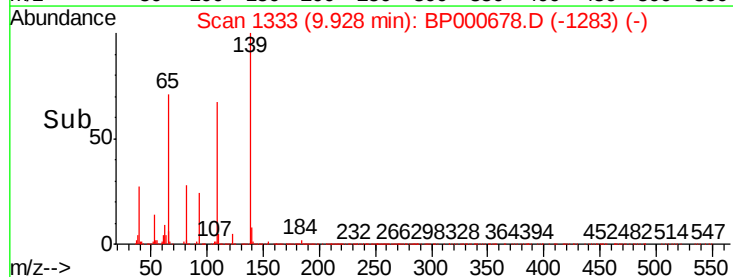
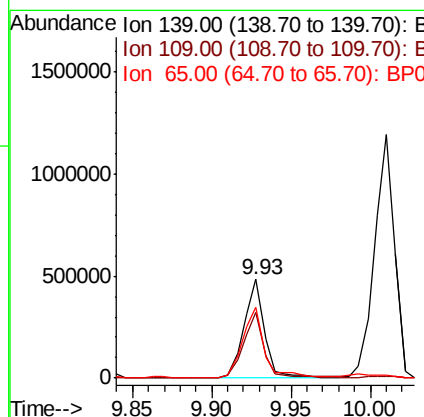
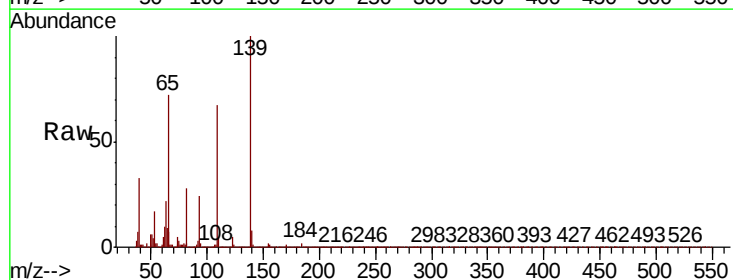
Tgt Ion:139 Resp: 438280

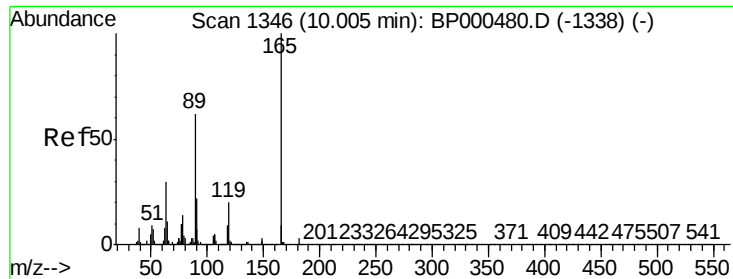
Ion Ratio Lower Upper

139 100

109 66.8 48.6 88.6

65 71.7 55.3 95.3





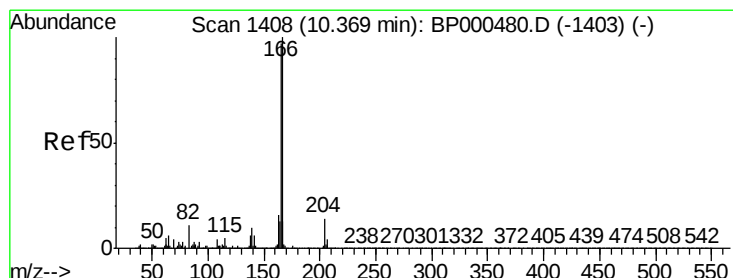
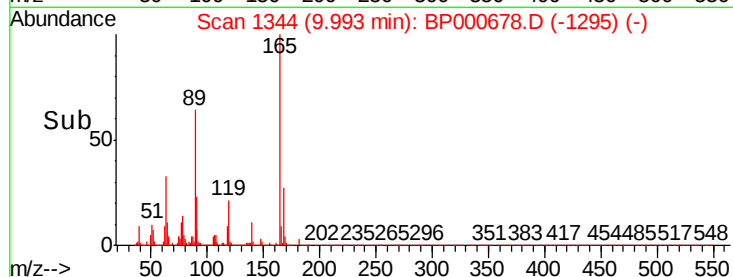
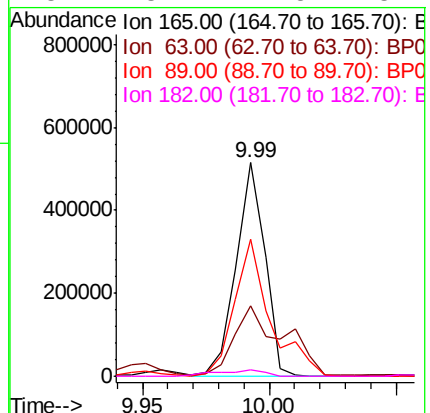
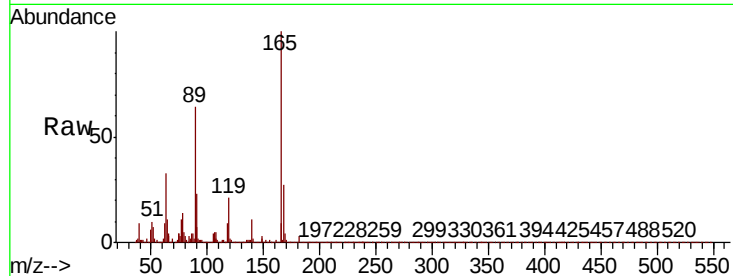
#57  
2,4-Dinitrotoluene  
Concen: 39.771 ng  
RT: 9.99 min Scan# 1344  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 405960 |       |       |
| 63      | 32.7 | 24.2  | 36.4   |       |       |
| 89      | 64.3 | 49.4  | 74.0   |       |       |
| 182     | 3.1  | 2.5   | 3.7    |       |       |

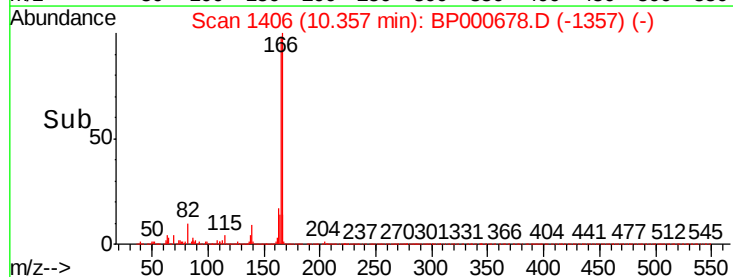
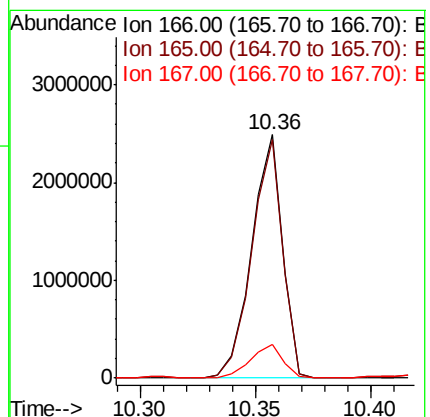
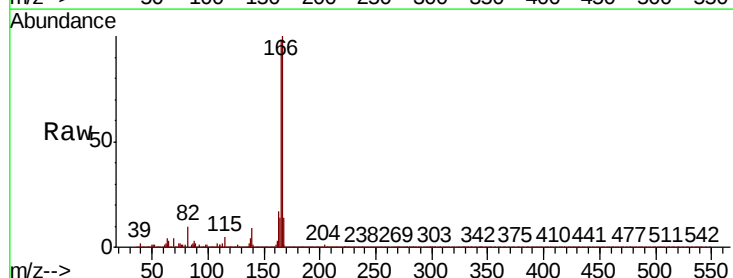
Manual Integrations  
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#58  
Fluorene  
Concen: 80.030 ng  
RT: 10.36 min Scan# 1406  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 166     | 100  |       | 2313965 |       |       |
| 165     | 98.0 | 77.3  | 115.9   |       |       |
| 167     | 13.8 | 10.6  | 16.0    |       |       |





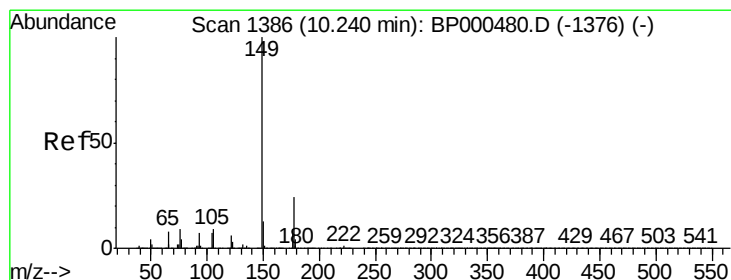
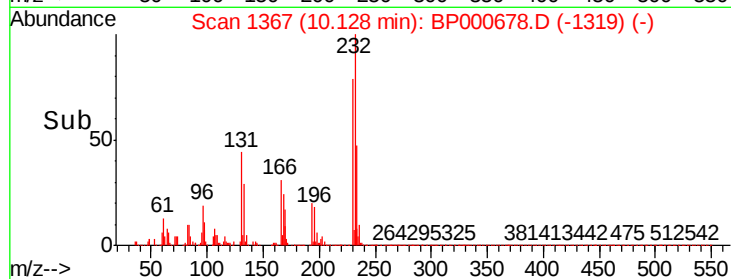
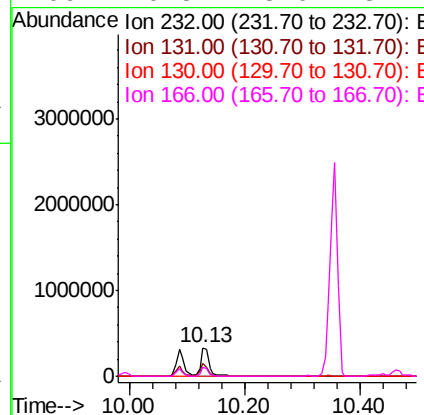
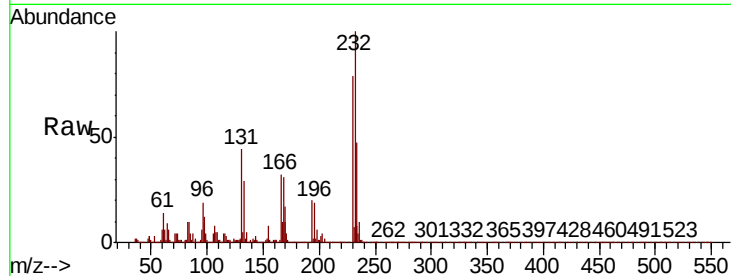
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.363 ng  
RT: 10.13 min Scan# 1367  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 232   | Resp: | 348734 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 37.1  | 32.1  | 48.1   |
| 130       | 2.1   | 1.6   | 2.4    |
| 166       | 26.8  | 23.0  | 34.4   |

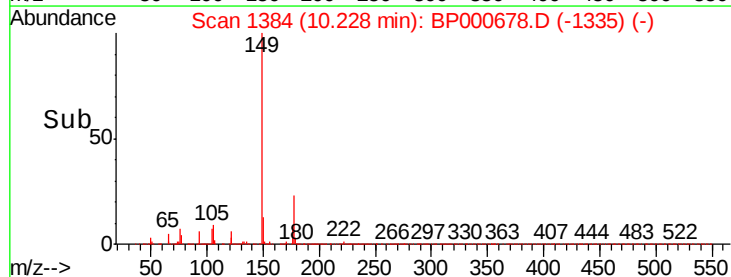
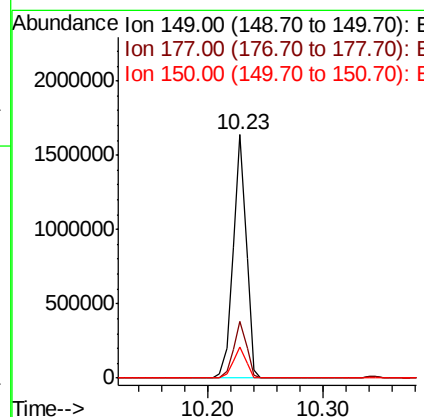
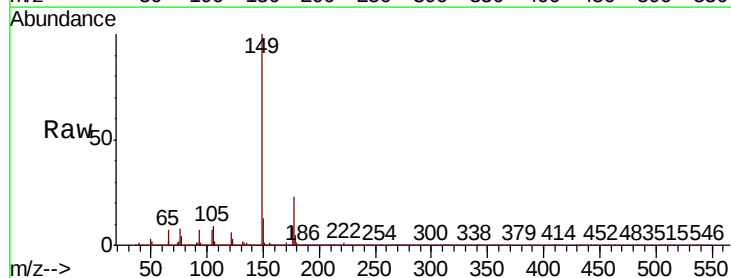
Manual Integrations  
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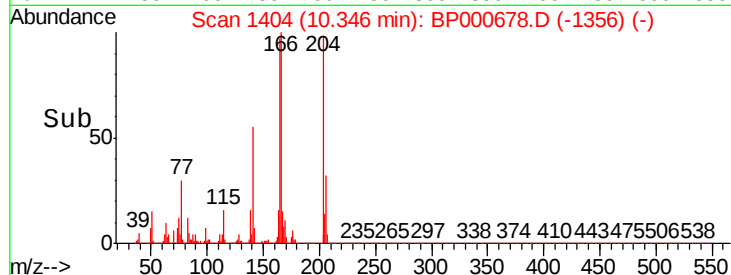
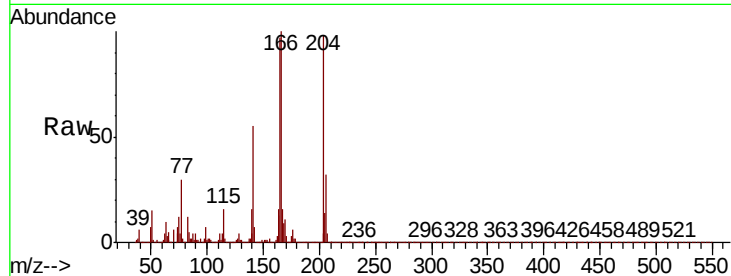
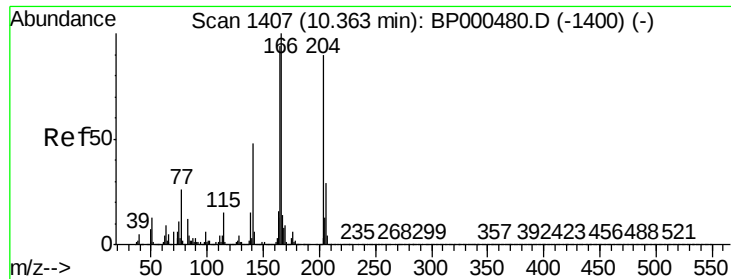
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#60  
Diethylphthalate  
Concen: 38.087 ng  
RT: 10.23 min Scan# 1384  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1276356 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 177       | 23.2  | 19.0  | 28.6    |
| 150       | 12.8  | 10.8  | 16.2    |





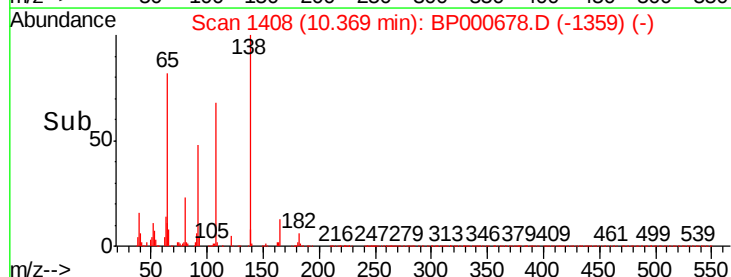
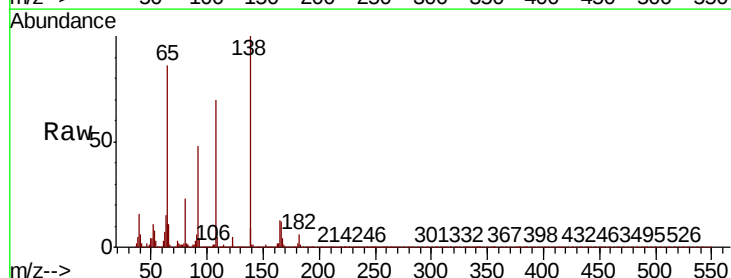
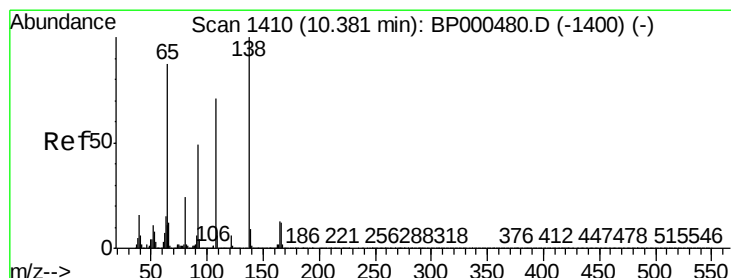
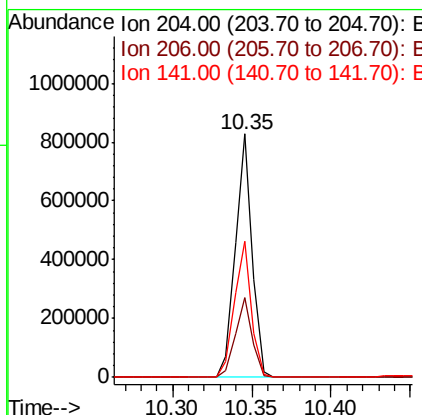
#61  
4-Chlorophenyl-phenylether  
Concen: 38.939 ng  
RT: 10.35 min Scan# 1404  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampled :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.8  | 25.8  | 38.8  |
| 141     | 55.9  | 42.8  | 64.2  |

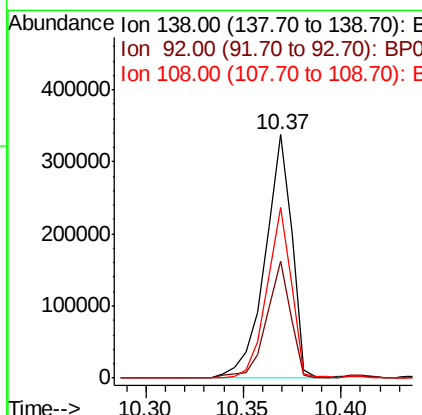
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#62  
4-Nitroaniline  
Concen: 37.878 ng  
RT: 10.37 min Scan# 1408  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 48.1  | 28.7  | 68.7  |
| 108     | 70.2  | 50.6  | 90.6  |





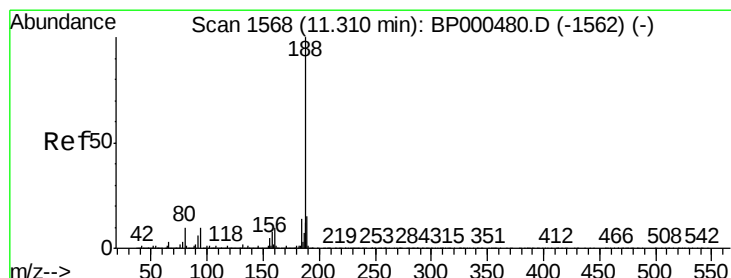
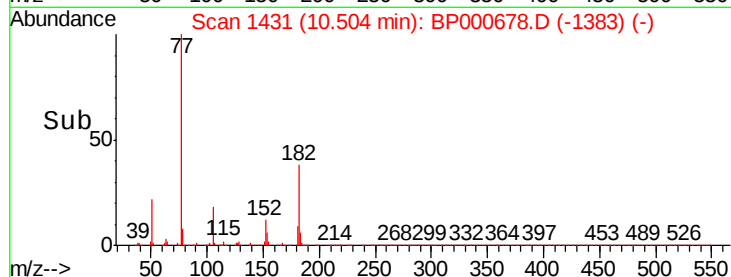
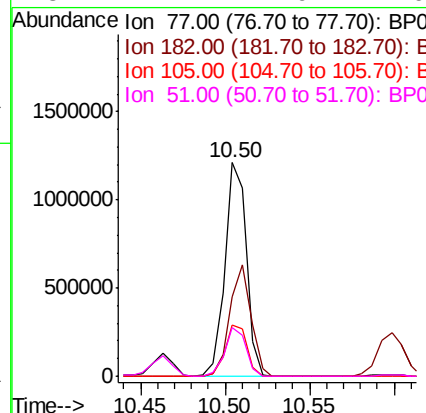
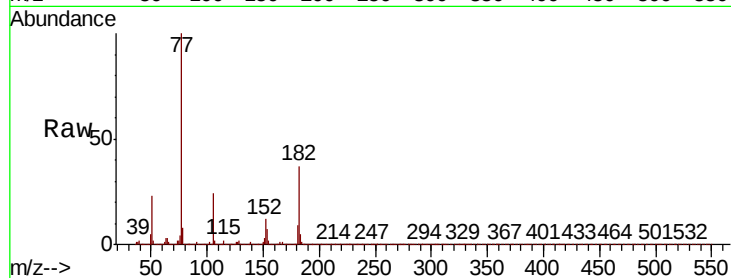
#63  
Azobenzene  
Concen: 41.580 ng  
RT: 10.50 min Scan# 1431  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 77      | 100  |       |       |       |
| 182     | 37.0 | 9.0   | 49.0  |       |
| 105     | 23.8 | 3.8   | 43.8  |       |
| 51      | 22.7 | 1.9   | 41.9  |       |

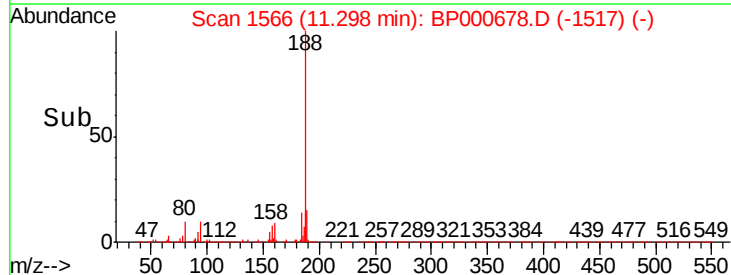
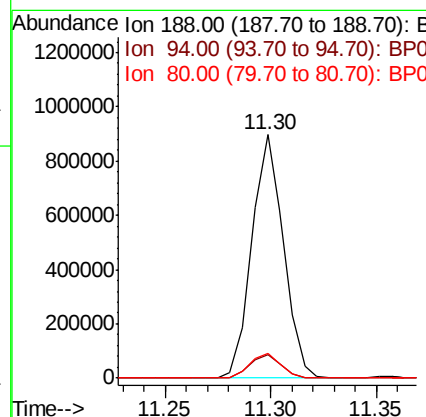
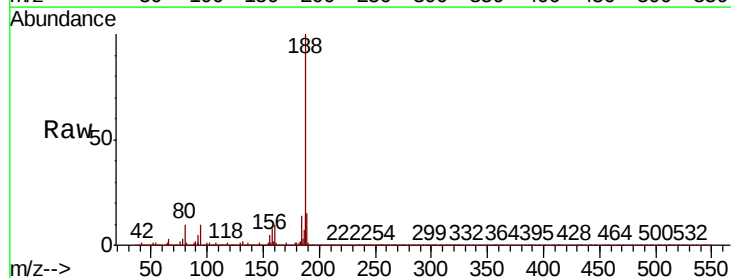
Manual Integrations  
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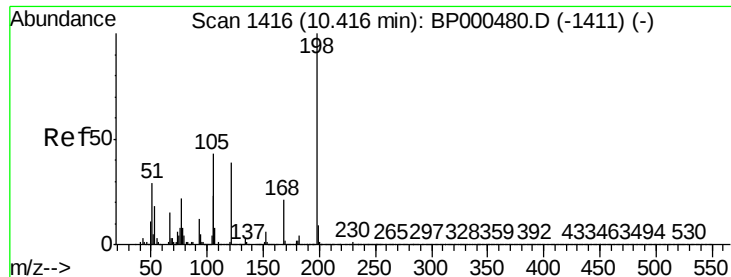
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.30 min Scan# 1566  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 188     | 100 |       |       |       |
| 94      | 9.8 | 8.2   | 12.2  |       |
| 80      | 9.9 | 8.3   | 12.5  |       |





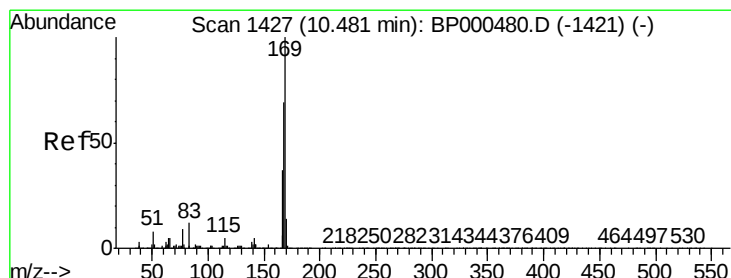
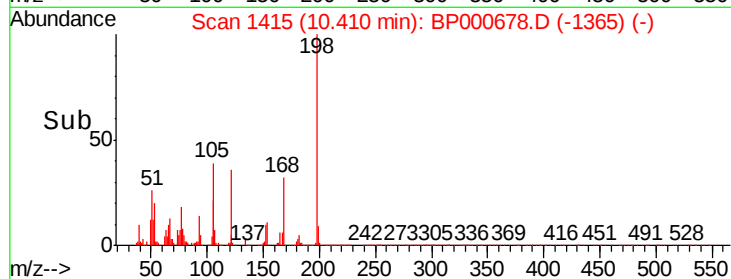
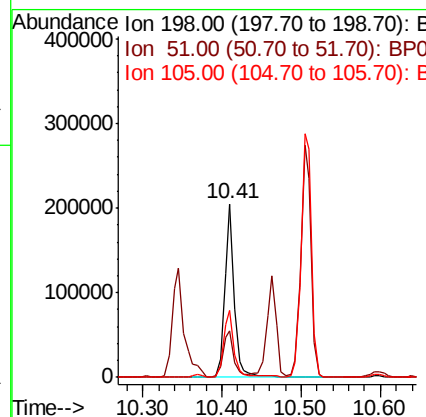
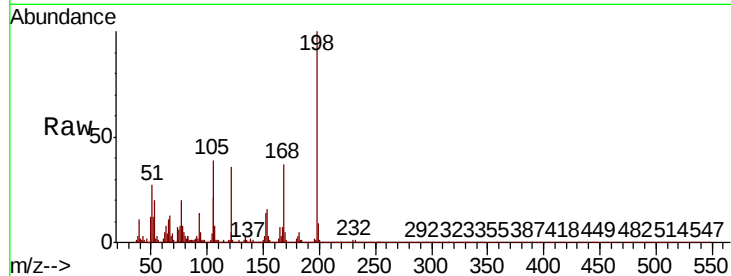
#65  
4,6-Dinitro-2-methylphenol  
Concen: 40.974 ng  
RT: 10.41 min Scan# 1415  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 169115 |       |       |
| 51      | 27.1  | 12.8   | 52.8  |       |
| 105     | 38.9  | 24.0   | 64.0  |       |

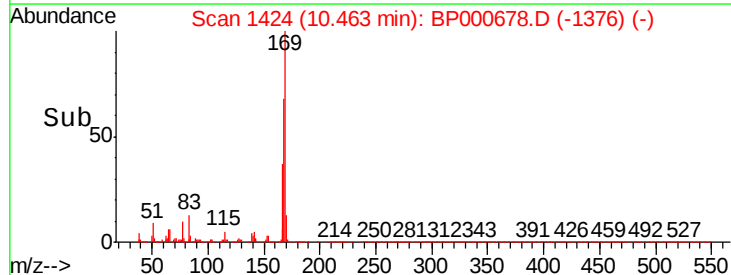
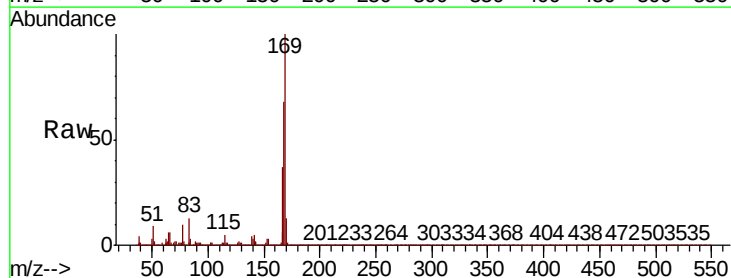
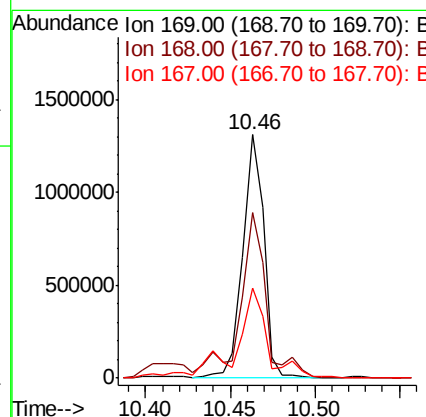
Manual Integrations  
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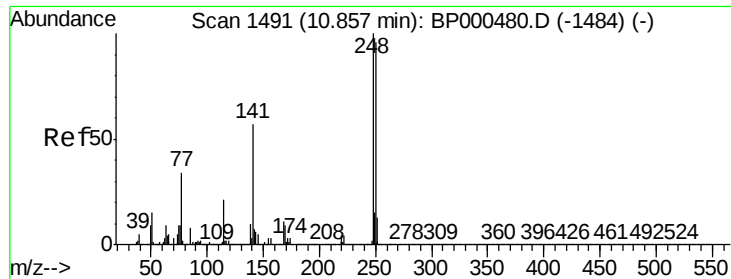
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#66  
n-Nitrosodiphenylamine  
Concen: 41.512 ng  
RT: 10.46 min Scan# 1424  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 169     | 100   | 1125704 |       |       |
| 168     | 67.8  | 55.4    | 83.2  |       |
| 167     | 36.9  | 29.4    | 44.2  |       |





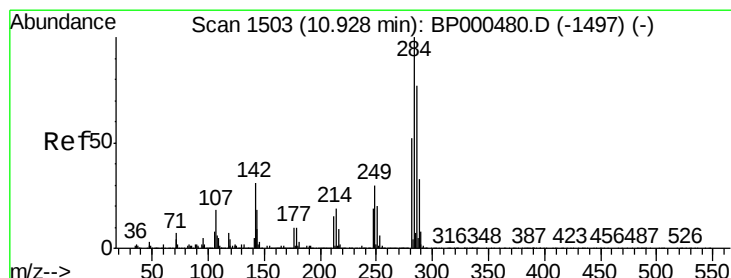
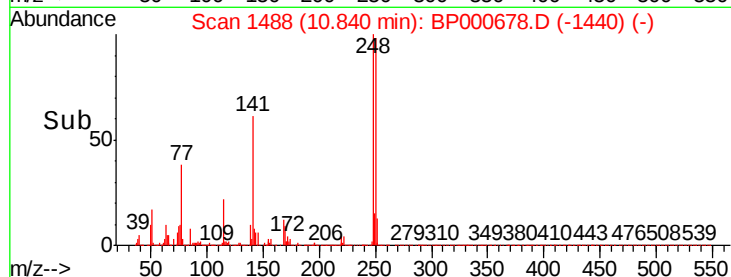
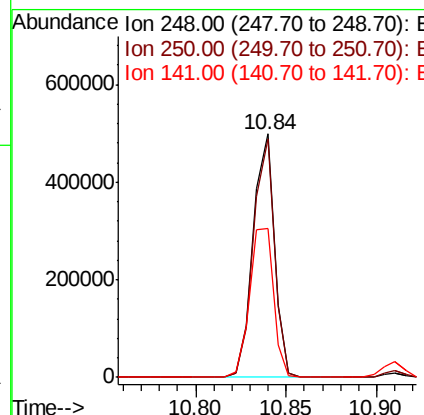
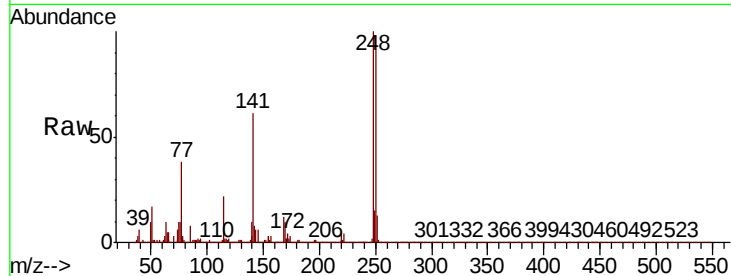
#67  
4-Bromophenyl-phenylether  
Concen: 39.014 ng  
RT: 10.84 min Scan# 1488  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.9  | 77.2  | 115.8 |
| 141     | 61.0  | 45.3  | 67.9  |

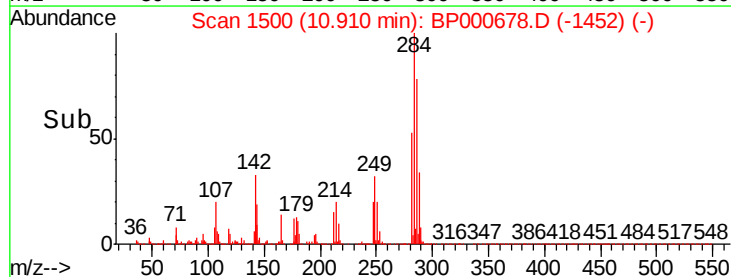
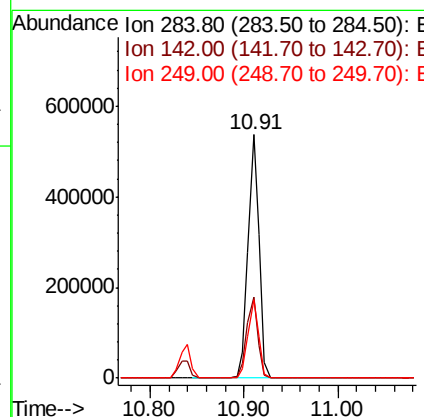
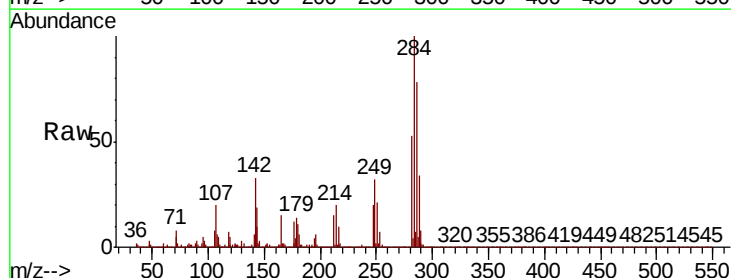
Manual Integrations  
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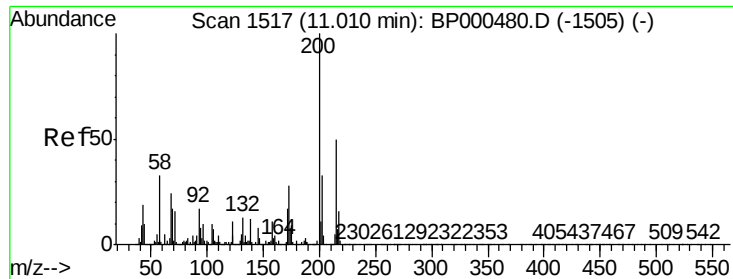
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#68  
Hexachlorobenzene  
Concen: 36.472 ng  
RT: 10.91 min Scan# 1500  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 33.3  | 24.6  | 37.0  |
| 249     | 32.1  | 24.1  | 36.1  |





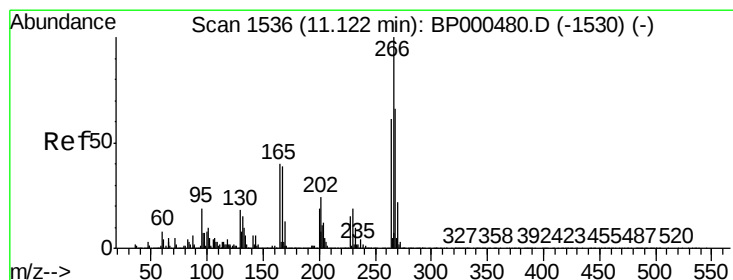
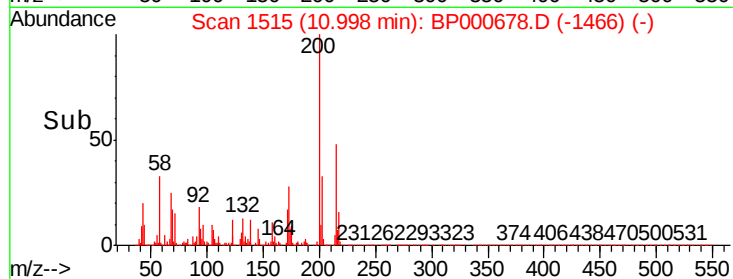
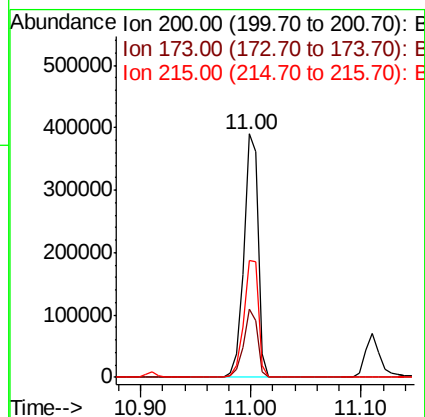
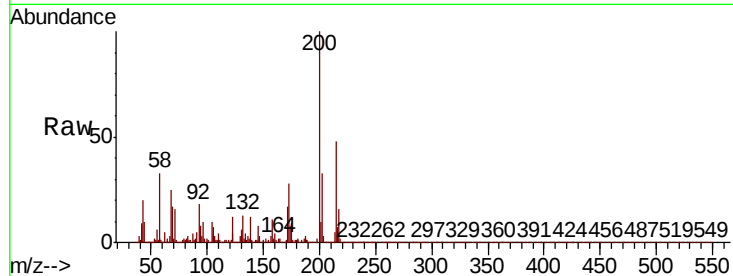
#69  
Atrazine  
Concen: 39.792 ng  
RT: 11.00 min Scan# 1515  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 28.1  | 7.6        | 47.6  |
| 215     | 47.8  | 29.5       | 69.5  |

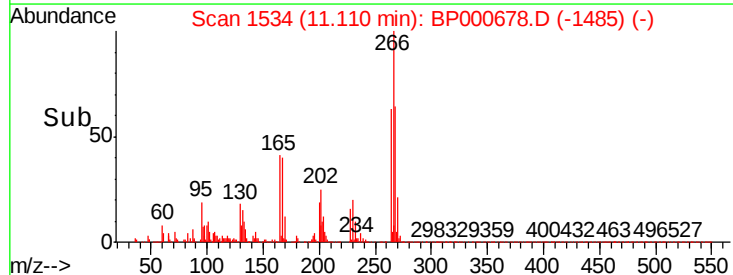
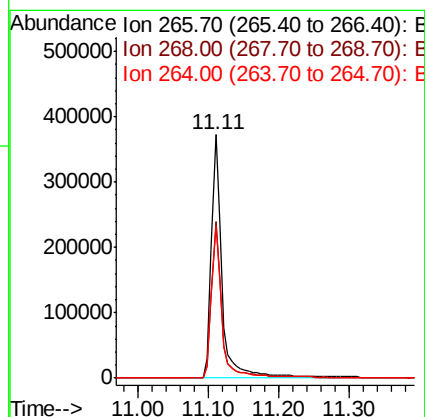
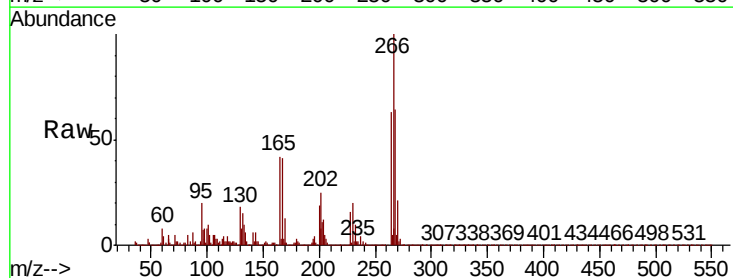
Manual Integrations  
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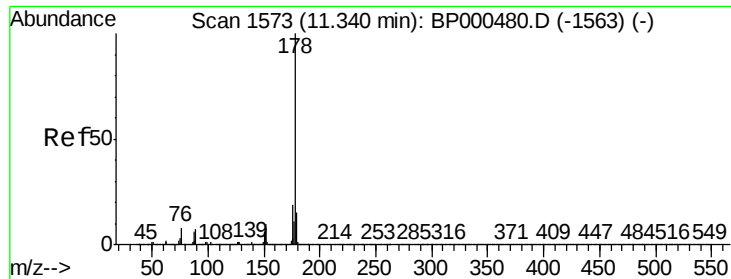
mohammad  
10/16/2019 8:07:58 AM



#70  
Pentachlorophenol  
Concen: 81.857 ng  
RT: 11.11 min Scan# 1534  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 64.5  | 53.2       | 79.8  |
| 264     | 62.6  | 49.0       | 73.4  |





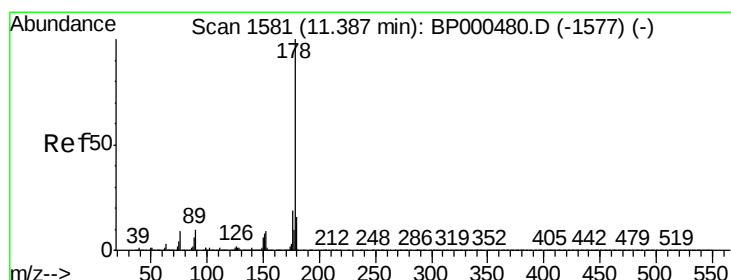
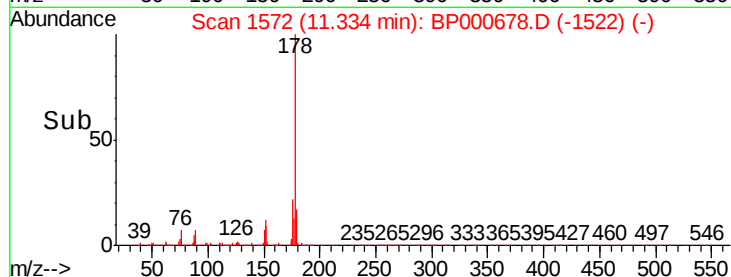
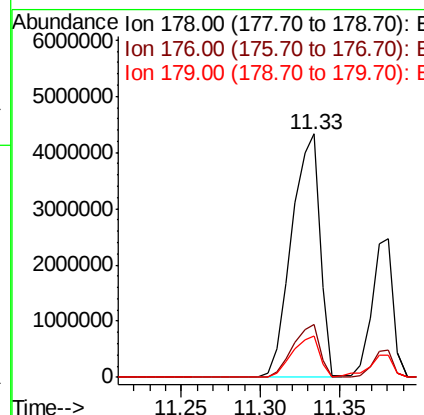
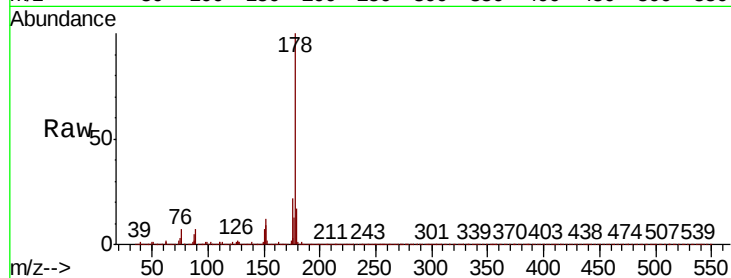
#71  
Phenanthrene  
Concen: 115.482 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.7  | 15.4  | 23.2  |
| 179     | 16.9  | 12.2  | 18.4  |

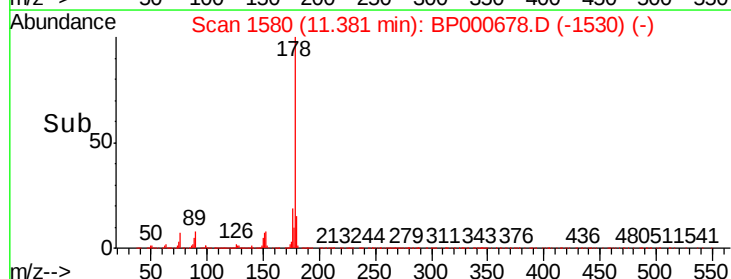
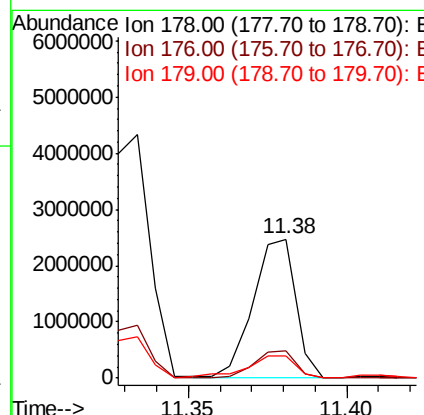
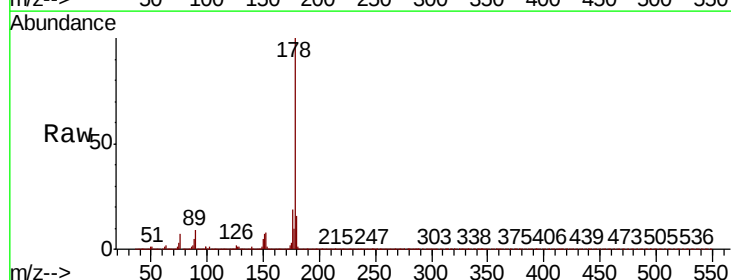
Manual Integrations  
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#72  
Anthracene  
Concen: 49.963 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.4  | 23.0  |
| 179     | 15.5  | 12.6  | 19.0  |





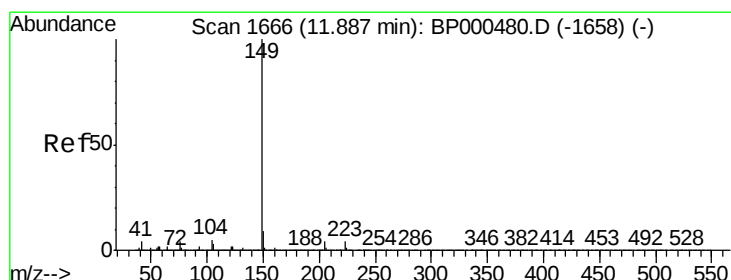
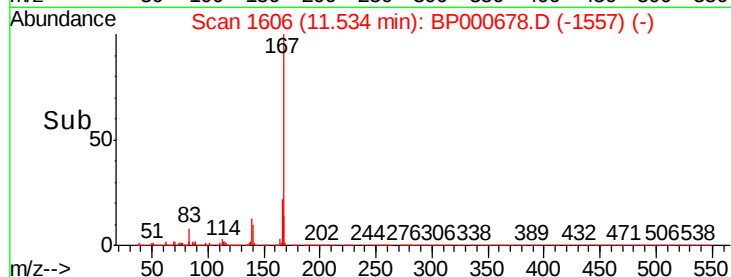
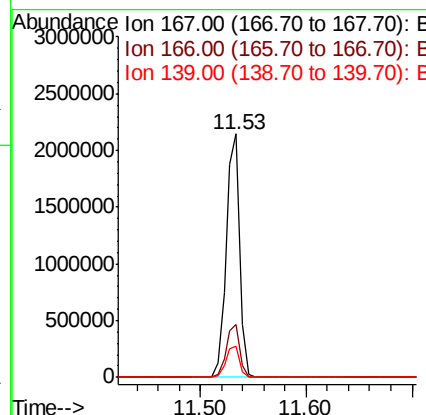
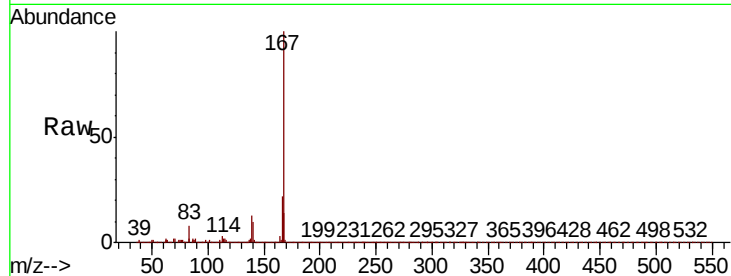
#73  
 Carbazole  
 Concen: 44.461 ng  
 RT: 11.53 min Scan# 1606  
 Delta R.T. -0.01 min  
 Lab File: BP000678.D  
 Acq: 12 Oct 2019 19:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.9  | 16.9  | 25.3  |
| 139     | 12.7  | 9.7   | 14.5  |

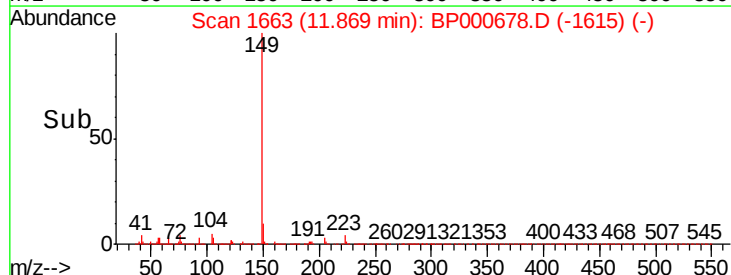
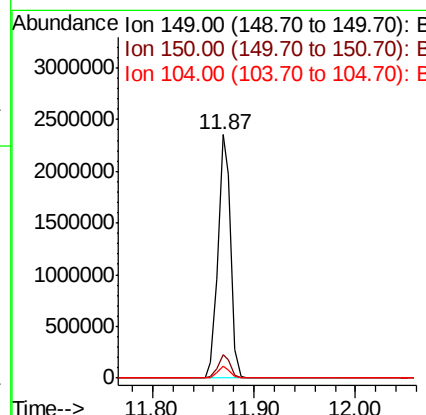
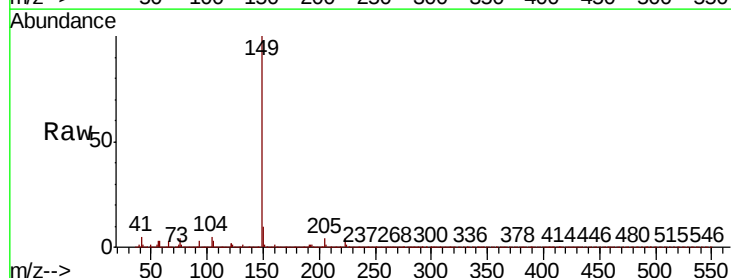
Manual Integrations  
 APPROVED

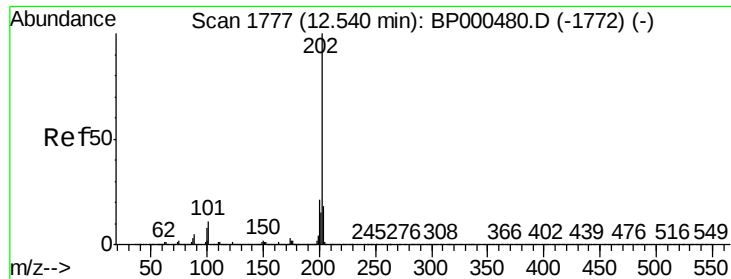
mohammad  
 10/16/2019 8:07:58 AM



#74  
 Di-n-butylphthalate  
 Concen: 38.779 ng  
 RT: 11.87 min Scan# 1663  
 Delta R.T. -0.02 min  
 Lab File: BP000678.D  
 Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.7   | 7.4   | 11.2  |
| 104     | 4.8   | 3.7   | 5.5   |





#75

Fluoranthene

Concen: 91.100 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

Instrument :

BNA\_P

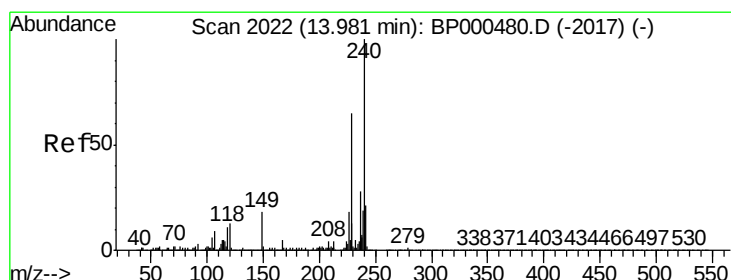
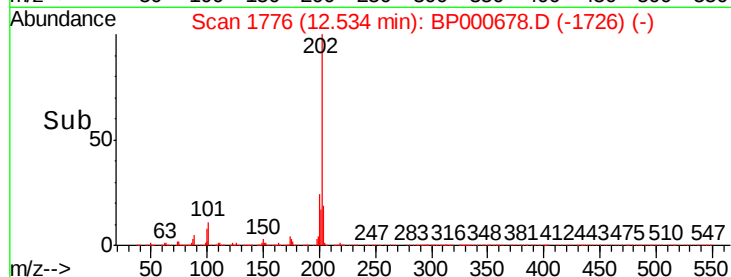
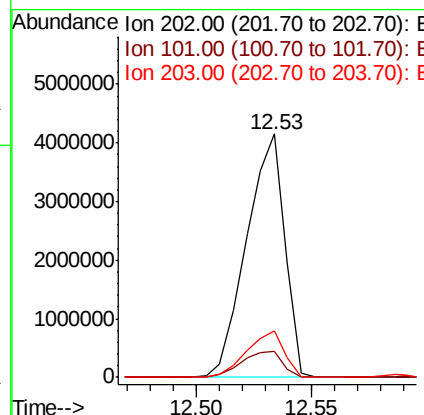
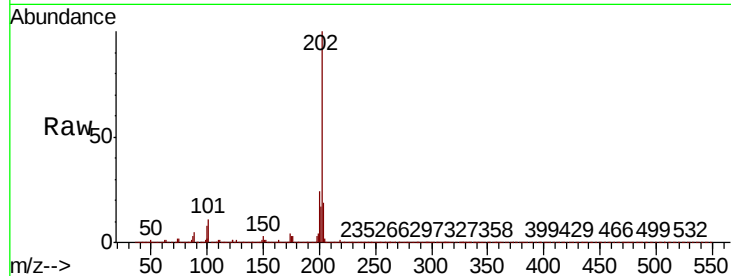
ClientSampleId :

SOIL-PILEMS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 4784329 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 10.9  | 0.0   | 31.3    |
| 203       | 19.2  | 0.0   | 38.1    |

Manual Integrations  
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#76

Chrysene-d12

Concen: 20.000 ng

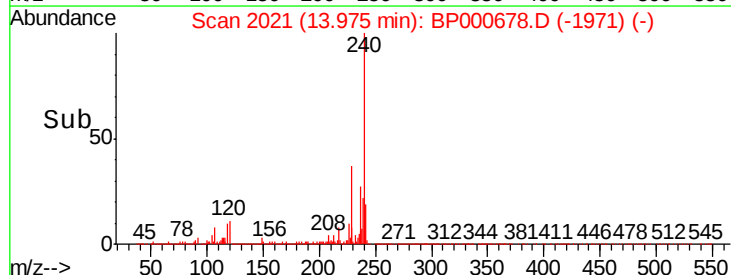
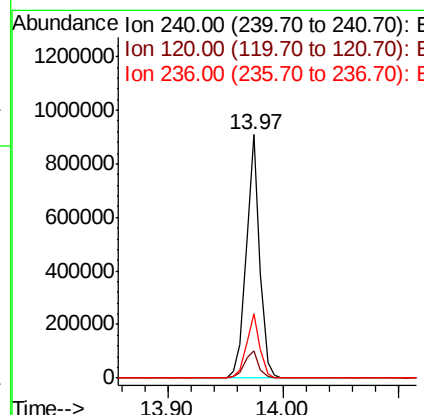
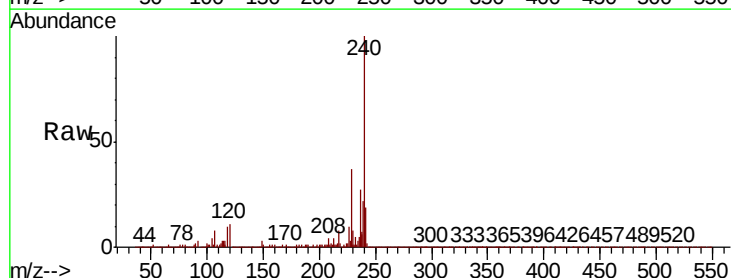
RT: 13.97 min Scan# 2021

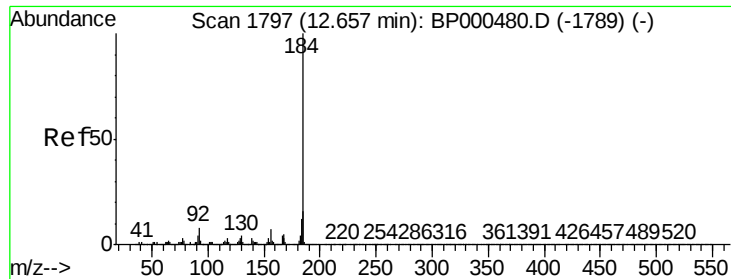
Delta R.T. -0.01 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 732794 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 11.1  | 10.1  | 15.1   |
| 236       | 26.6  | 22.7  | 34.1   |





#77

Benzidine

Concen: 64.189 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

Instrument :

BNA\_P

ClientSampleId :

SOIL-PILEMS

Tot Ion:184 Resp: 1362079

Ion Ratio Lower Upper

184 100

185 14.7 12.7 19.1

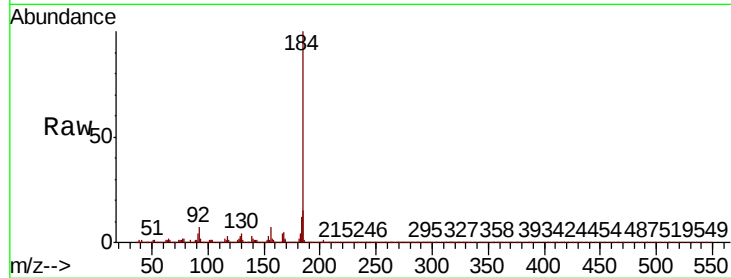
183 11.9 9.7 14.5

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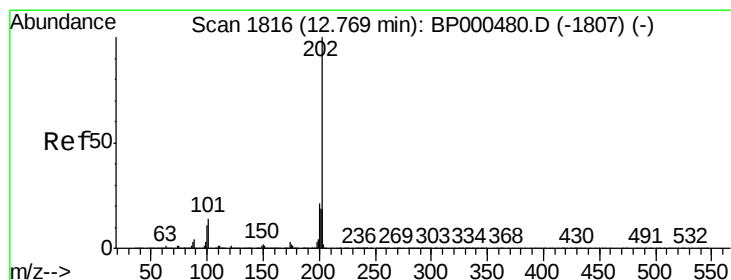
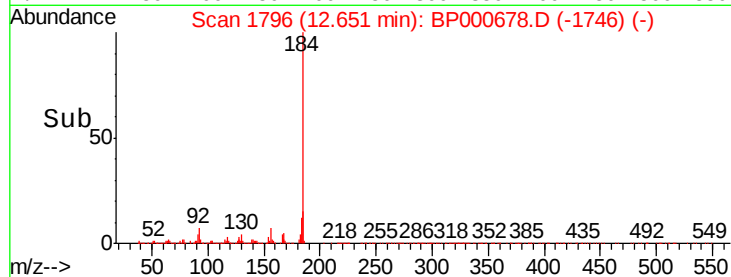
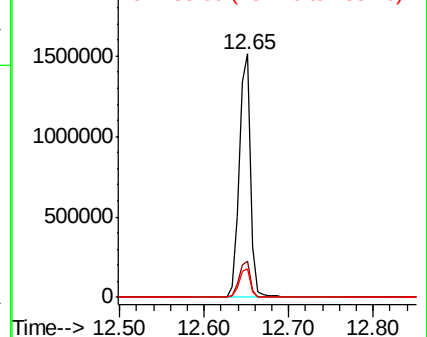


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 78.538 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BP000678.D

Acq: 12 Oct 2019 19:34

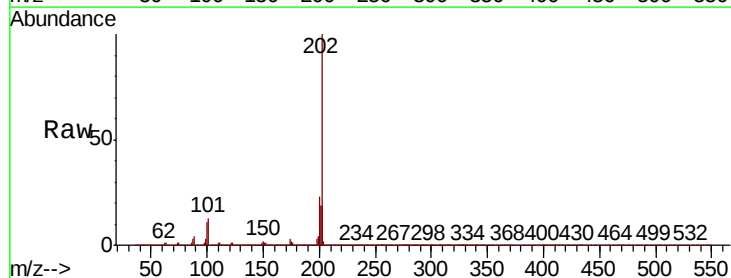
Tgt Ion:202 Resp: 3969346

Ion Ratio Lower Upper

202 100

200 23.3 17.1 25.7

203 18.8 14.6 21.8

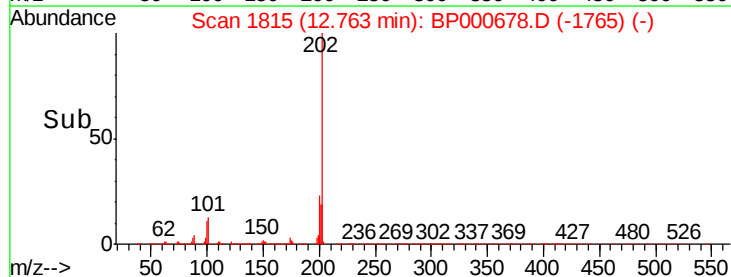
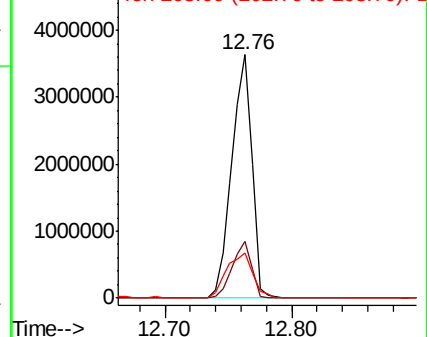


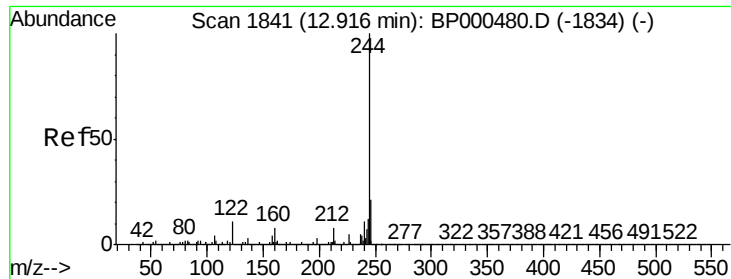
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





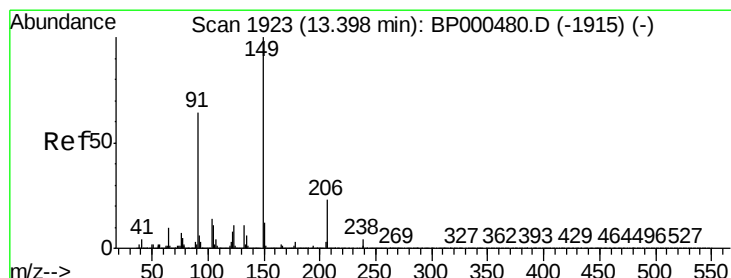
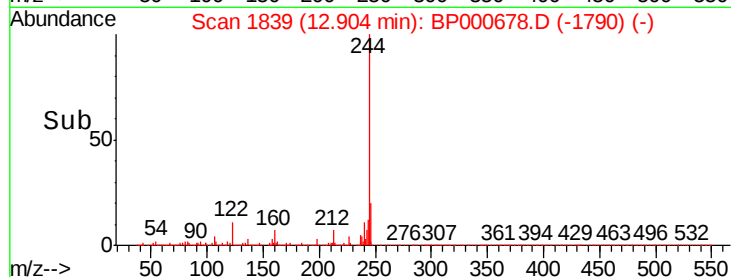
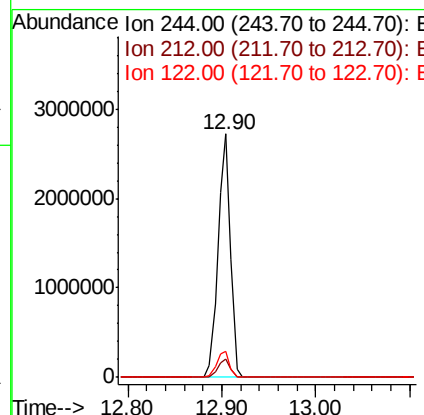
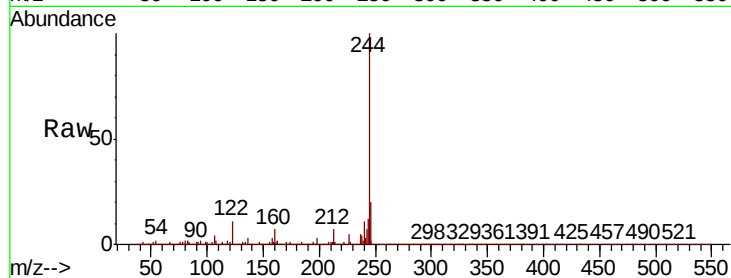
#79  
 Terphenyl-d14  
 Concen: 70.424 ng  
 RT: 12.90 min Scan# 1839  
 Delta R.T. -0.01 min  
 Lab File: BP000678.D  
 Acq: 12 Oct 2019 19:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.4   | 6.0   | 9.0   |
| 122     | 10.6  | 8.9   | 13.3  |

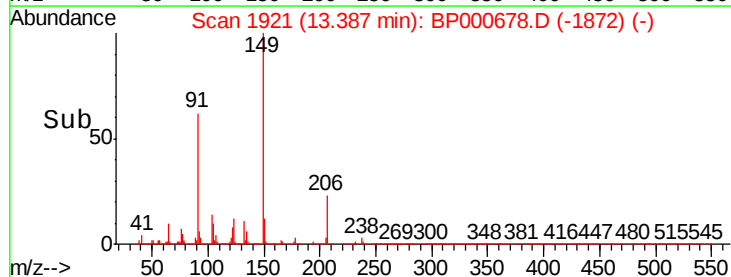
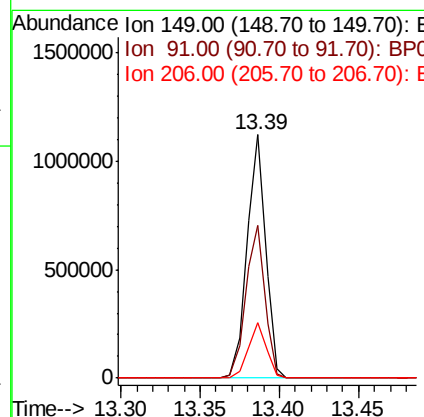
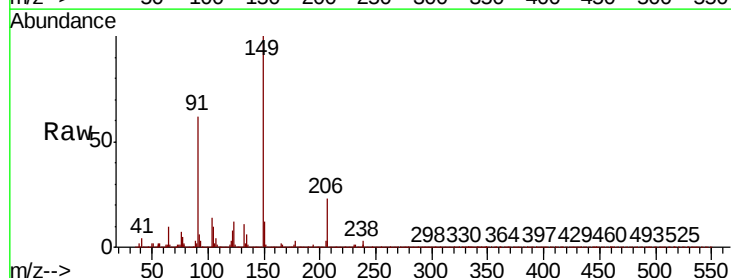
Manual Integrations  
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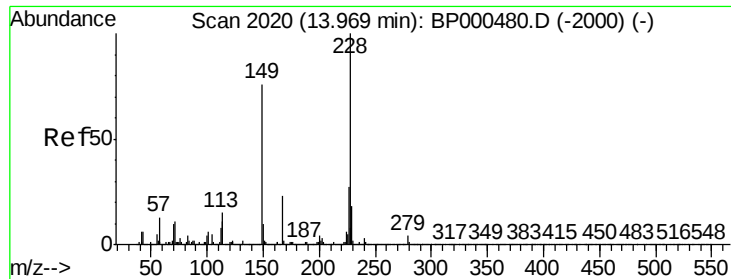
mohammad  
 10/16/2019 8:07:58 AM



#80  
 Butylbenzylphthalate  
 Concen: 41.227 ng  
 RT: 13.39 min Scan# 1921  
 Delta R.T. -0.01 min  
 Lab File: BP000678.D  
 Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 62.5  | 51.0  | 76.4  |
| 206     | 22.8  | 18.2  | 27.4  |





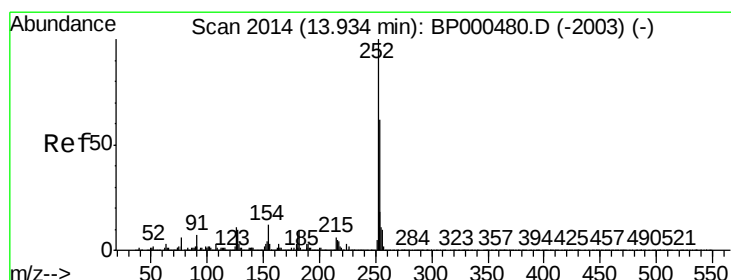
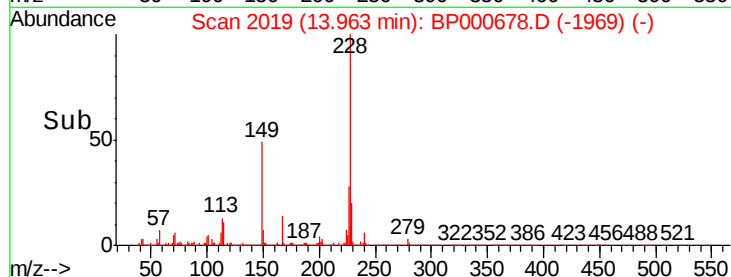
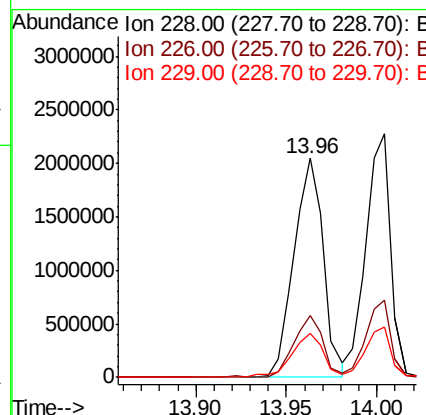
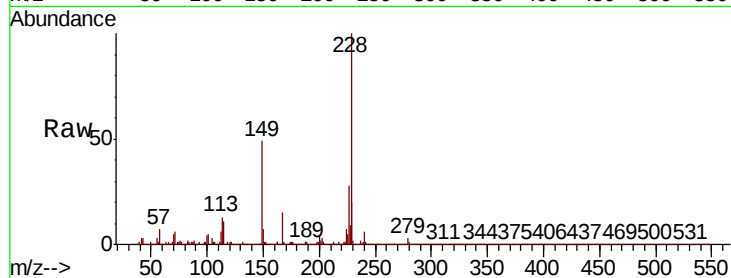
#81  
Benzo(a)anthracene  
Concen: 52.078 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.4  | 21.4  | 32.2  |
| 229     | 20.2  | 14.7  | 22.1  |

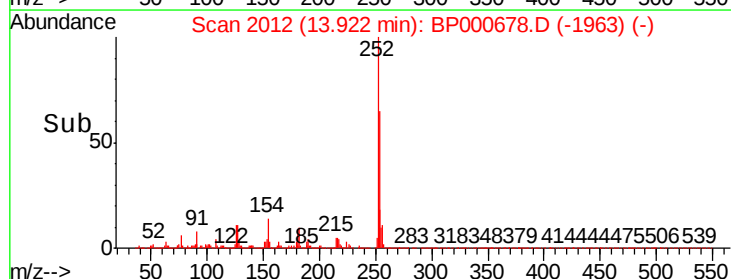
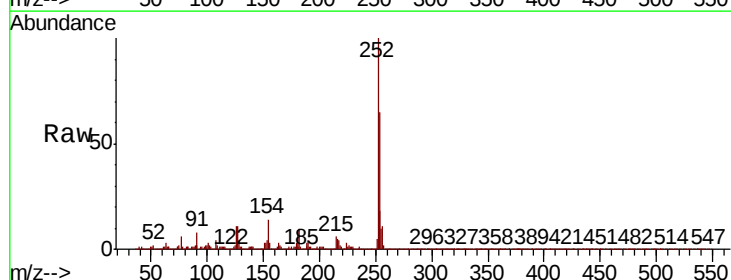
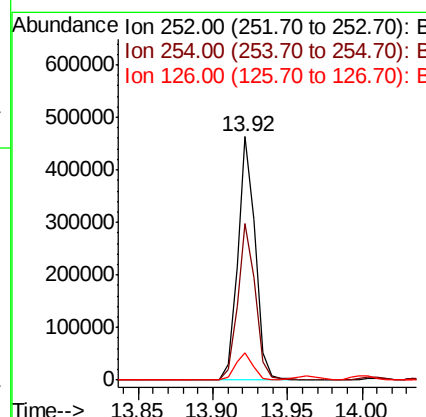
Manual Integrations  
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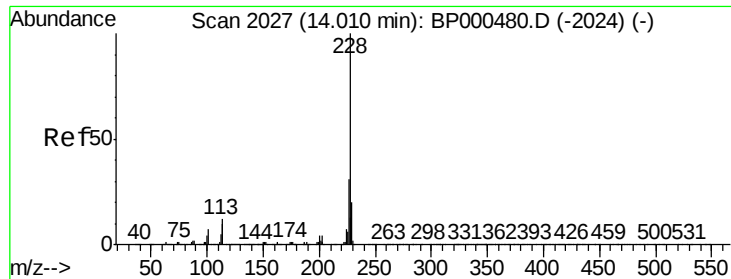
mohammad  
10/16/2019 8:07:58 AM



#82  
3,3'-Dichlorobenzidine  
Concen: 21.577 ng  
RT: 13.92 min Scan# 2012  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.5  | 49.8  | 74.8  |
| 126     | 11.4  | 8.9   | 13.3  |





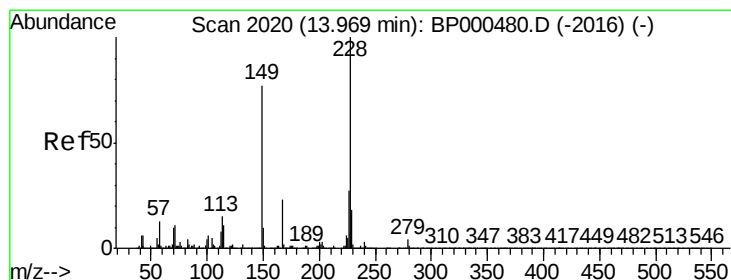
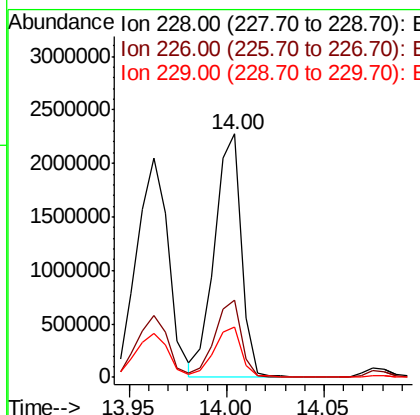
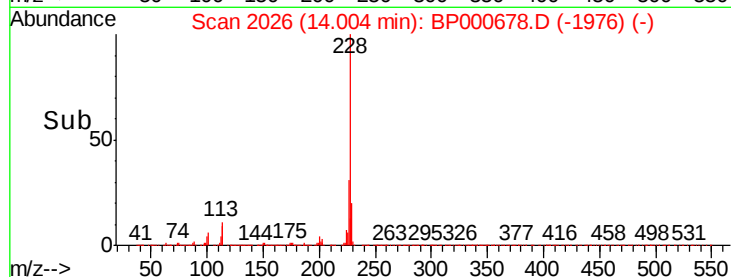
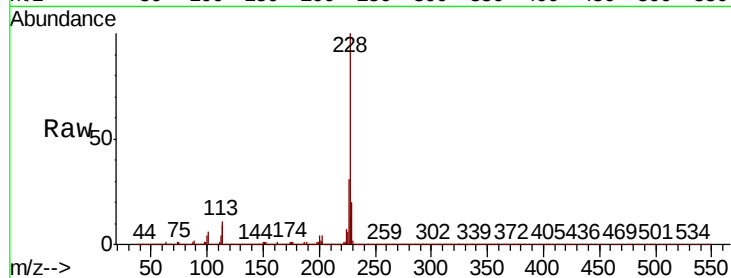
#83  
 Chrysene  
 Concen: 49.569 ng  
 RT: 14.00 min Scan# 2026  
 Delta R.T. -0.01 min  
 Lab File: BP000678.D  
 Acq: 12 Oct 2019 19:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SOIL-PILEMS

Tot Ion:228 Resp: 2175279  
 Ion Ratio Lower Upper  
 228 100  
 226 31.5 24.7 37.1  
 229 20.5 16.3 24.5

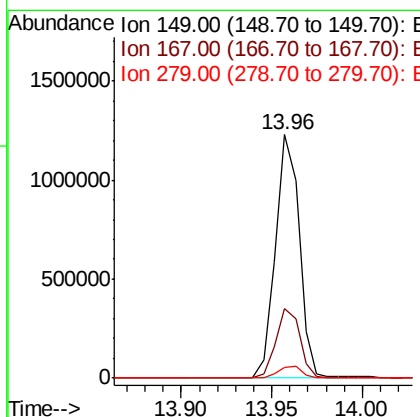
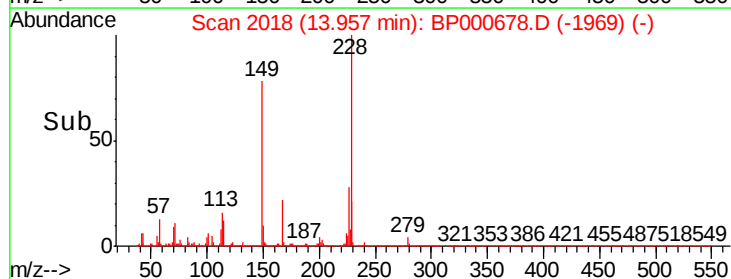
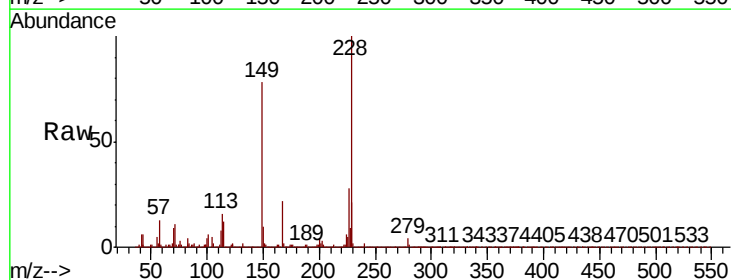
Manual Integrations  
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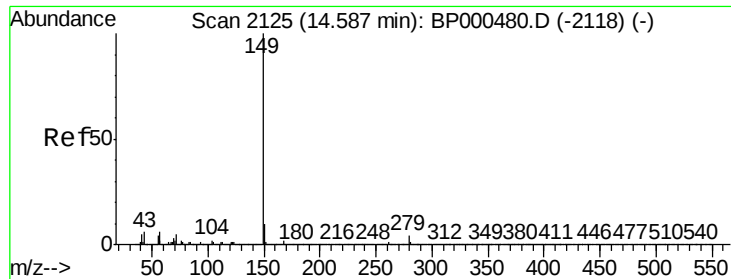
mohammad  
 10/16/2019 8:07:58 AM



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 40.515 ng  
 RT: 13.96 min Scan# 2018  
 Delta R.T. -0.01 min  
 Lab File: BP000678.D  
 Acq: 12 Oct 2019 19:34

Tgt Ion:149 Resp: 1122205  
 Ion Ratio Lower Upper  
 149 100  
 167 28.6 23.6 35.4  
 279 4.5 3.9 5.9





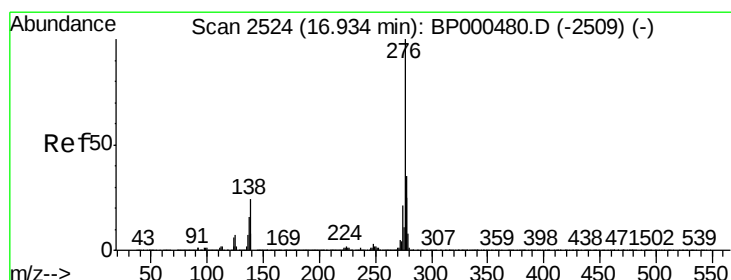
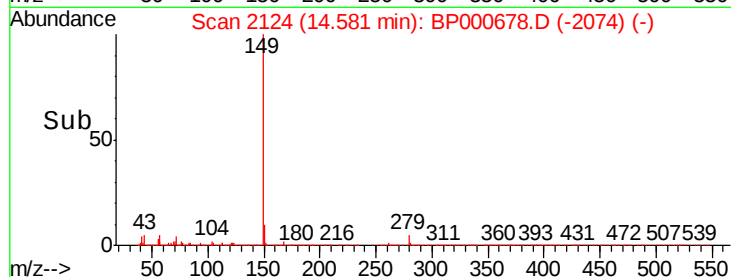
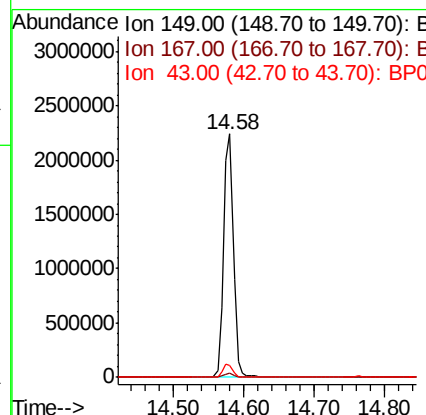
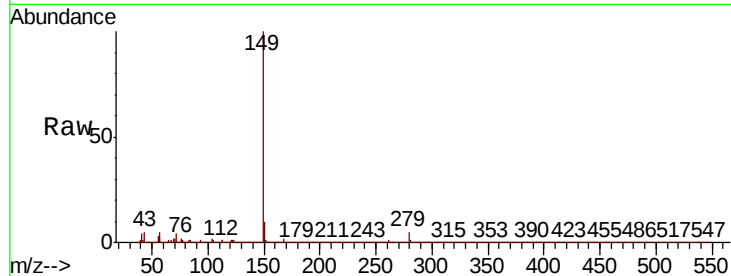
#85  
Di-n-octyl phthalate  
Concen: 42.913 ng  
RT: 14.58 min Scan# 2124  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.3   | 1.9   |
| 43      | 5.6   | 4.6   | 7.0   |

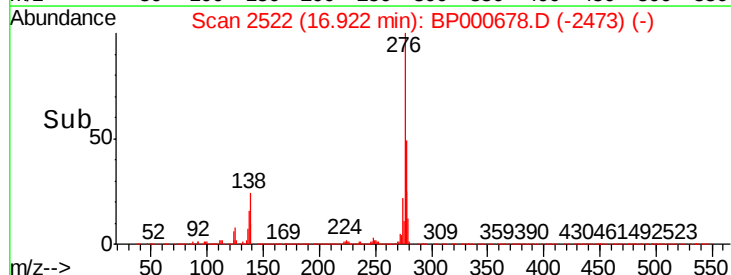
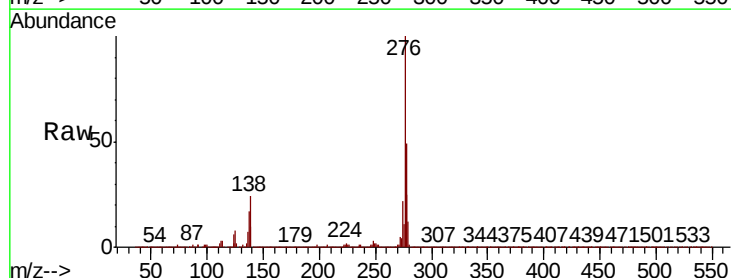
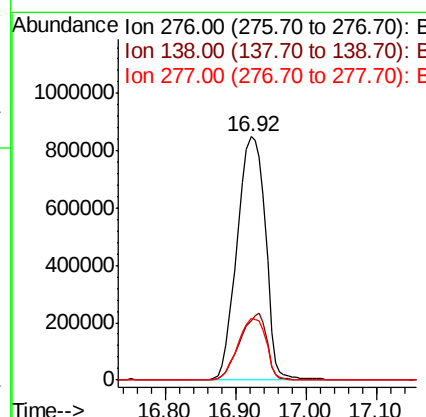
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#86  
Indeno(1,2,3-cd)pyrene  
Concen: 43.212 ng  
RT: 16.92 min Scan# 2522  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.1  | 20.9  | 31.3  |
| 277     | 25.5  | 20.6  | 30.8  |





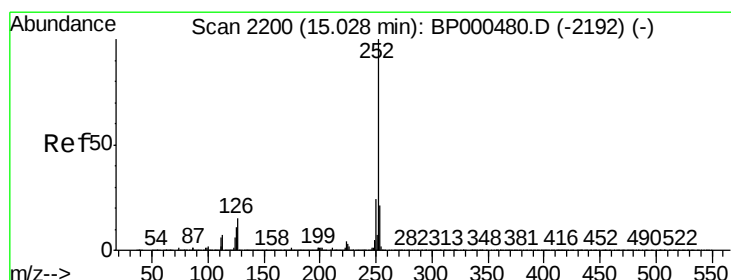
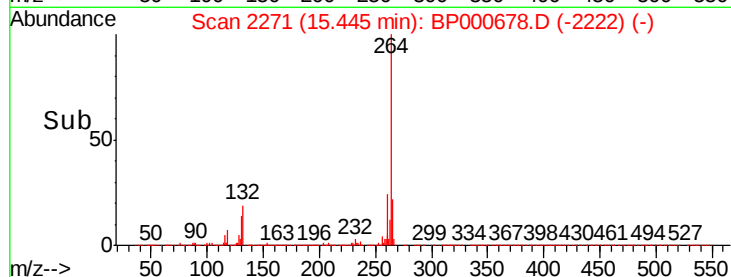
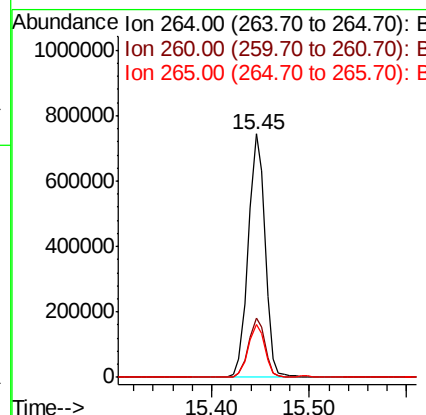
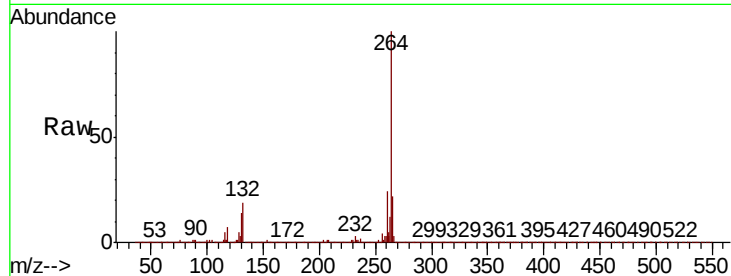
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.45 min Scan# 2271  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampled :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 20.3  | 30.5  |
| 265     | 22.0  | 18.0  | 27.0  |

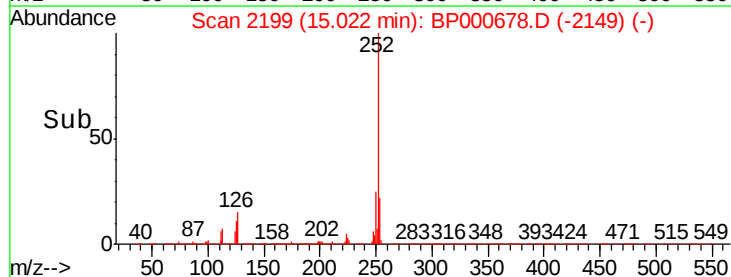
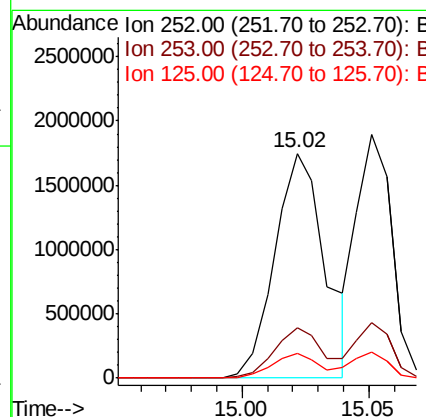
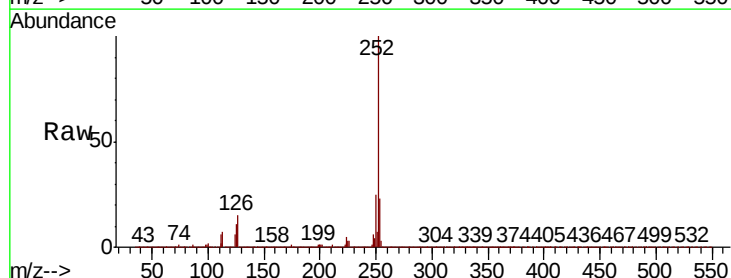
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#88  
Benzo(b)fluoranthene  
Concen: 47.825 ng  
RT: 15.02 min Scan# 2199  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.0  | 25.4  |
| 125     | 10.9  | 8.9   | 13.3  |





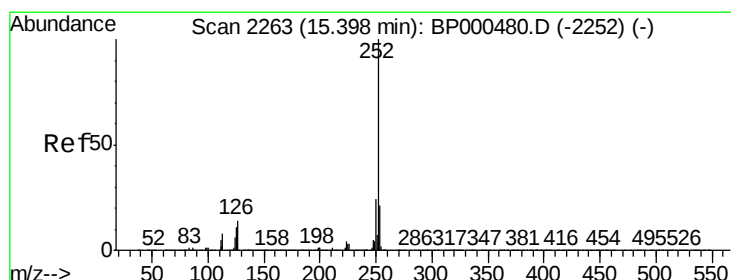
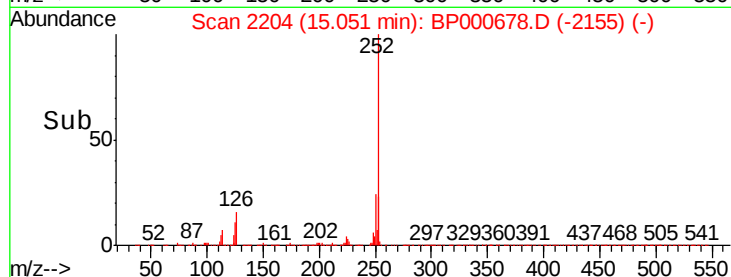
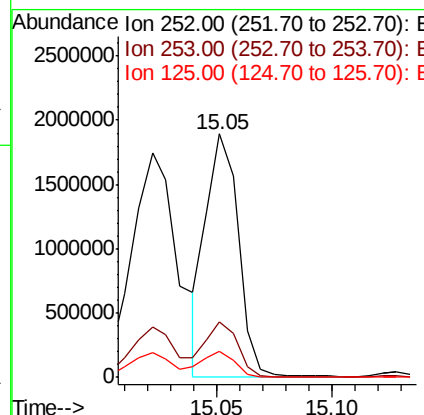
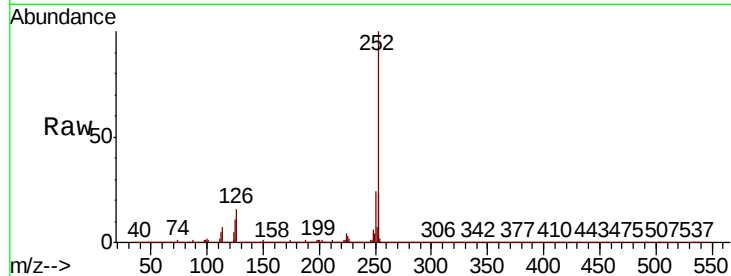
#89  
Benzo(k)fluoranthene  
Concen: 38.065 ng  
RT: 15.05 min Scan# 2204  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 18.4  | 27.6  |
| 125     | 10.9  | 7.8   | 11.8  |

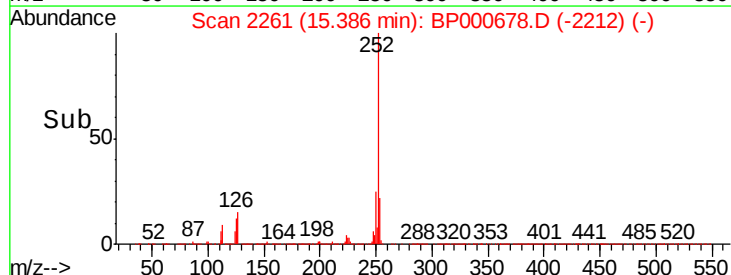
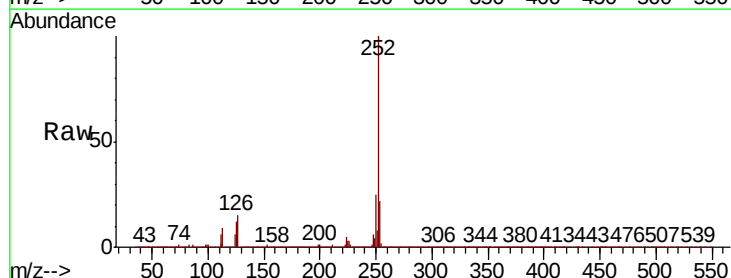
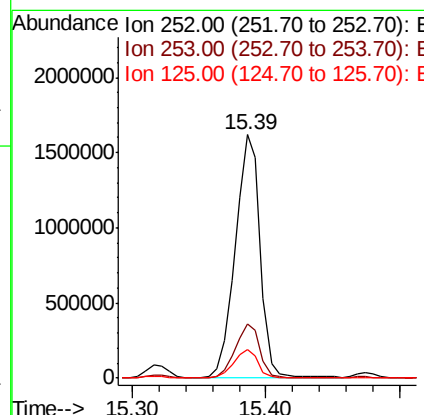
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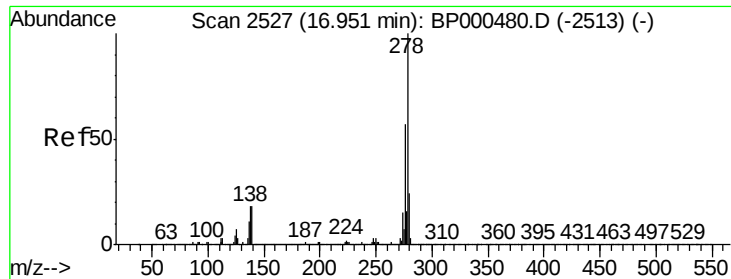
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#90  
Benzo(a)pyrene  
Concen: 44.551 ng  
RT: 15.39 min Scan# 2261  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 17.0  | 25.6  |
| 125     | 11.7  | 8.4   | 12.6  |





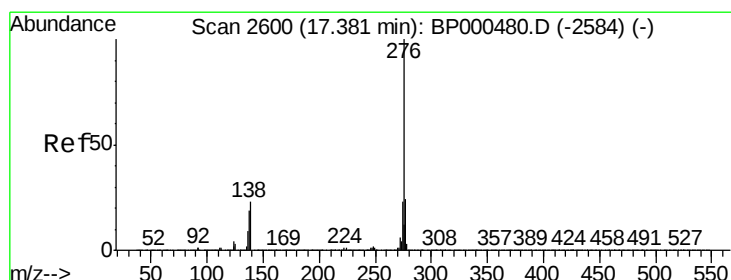
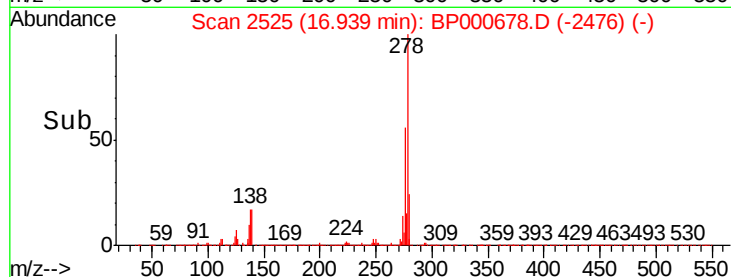
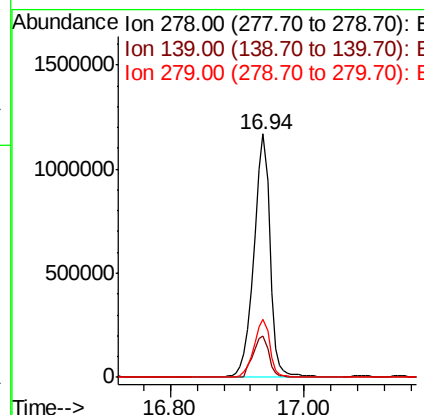
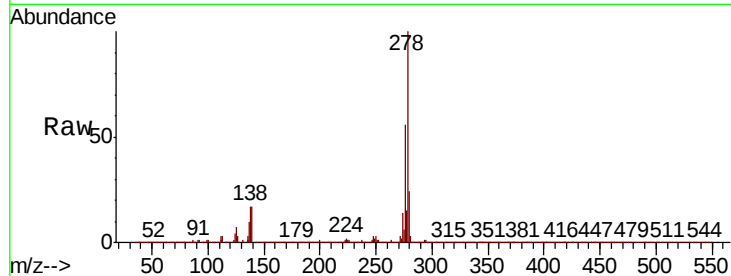
#91  
Dibenzo(a,h)anthracene  
Concen: 41.554 ng  
RT: 16.94 min Scan# 2525  
Delta R.T. -0.01 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

Instrument :  
BNA\_P  
ClientSampleId :  
SOIL-PILEMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.2  | 14.1  | 21.1  |
| 279     | 23.9  | 19.5  | 29.3  |

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#92  
Benzo(g,h,i)perylene  
Concen: 43.193 ng  
RT: 17.36 min Scan# 2597  
Delta R.T. -0.02 min  
Lab File: BP000678.D  
Acq: 12 Oct 2019 19:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.7  | 19.4  | 29.2  |
| 138     | 23.0  | 18.5  | 27.7  |

