

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072820\  
 Data File : BG046098.D  
 Acq On : 28 Jul 2020 11:22  
 Operator : CG/JU  
 Sample : L1955-07  
 Misc : MDL-SOIL-07  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-07

Manual Integrations  
 APPROVED

mohammad  
 7/29/2020 11:46:43 AM

Quant Time: Jul 28 11:59:08 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG072320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 28 10:34:48 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.96  | 152  | 103007   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.76 | 136  | 423750   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.59 | 164  | 287290   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.33 | 188  | 624144   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.57 | 240  | 640162   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.69 | 264  | 709233   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.43  | 96  | 14666   | 7.03  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.13  | 99  | 220452  | 27.27 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.28  | 67  | 141295  | 28.22 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.50  | 132 | 182308  | 28.18 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.66  | 113 | 180966  | 26.54 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.11  | 128 | 89594   | 29.94 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.83  | 143 | 94255   | 30.83 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.37 | 165 | 186074  | 26.88 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.89 | 131 | 253664  | 32.54 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.99 | 166 | 630969  | 28.16 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.28 | 160 | 758596  | 28.53 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.77 | 143 | 87733   | 23.98 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.58 | 176 | 555481  | 27.24 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.69 | 200 | 81814   | 26.19 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.43 | 188 | 827797  | 28.76 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.71 | 212 | 990117  | 29.24 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.48 | 264 | 1026190 | 26.11 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.46  | 88  | 3311   | 1.296 ng/uL# | 86     |
| 4) Benzaldehyde                | 7.10  | 77  | 13105m | 2.274 ng/ul  |        |
| 6) Phenol                      | 7.15  | 94  | 27934  | 3.355 ng/ul  | 96     |
| 8) Bis(2-Chloroethyl)ether     | 7.38  | 93  | 23330  | 3.424 ng/ul  | 96     |
| 10) 2-Chlorophenol             | 7.53  | 128 | 22402  | 3.415 ng/ul  | 93     |
| 11) 2-Methylphenol             | 8.40  | 108 | 19969  | 2.976 ng/ul  | 94     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.49  | 45  | 40211  | 3.491 ng/ul  | 96     |
| 14) Acetophenone               | 8.78  | 105 | 35634  | 3.541 ng/ul  | 99     |
| 15) N-Nitroso-di-n-propylamine | 8.76  | 70  | 18129  | 3.330 ng/ul  | 98     |
| 16) 4-Methylphenol             | 8.73  | 108 | 22684  | 3.156 ng/ul  | 93     |
| 17) Hexachloroethane           | 9.05  | 117 | 9628   | 3.459 ng/ul  | 95     |
| 20) Nitrobenzene               | 9.15  | 77  | 26540  | 3.453 ng/ul  | 93     |
| 21) Isophorone                 | 9.68  | 82  | 49541  | 3.298 ng/ul  | 98     |
| 23) 2-Nitrophenol              | 9.86  | 139 | 11351  | 3.316 ng/ul  | 92     |
| 24) 2,4-Dimethylphenol         | 9.93  | 107 | 21728  | 2.864 ng/ul  | 95     |
| 25) Bis(2-Chloroethoxy)methane | 10.16 | 93  | 31932  | 3.361 ng/ul  | 99     |
| 27) 2,4-Dichlorophenol         | 10.40 | 162 | 23213  | 3.403 ng/ul  | 88     |
| 28) Naphthalene                | 10.81 | 128 | 76882  | 3.390 ng/ul  | 97     |
| 30) 4-Chloroaniline            | 10.91 | 127 | 30652  | 4.089 ng/ul  | 95     |
| 31) Hexachlorobutadiene        | 11.11 | 225 | 18035  | 3.436 ng/ul  | 91     |
| 32) Caprolactam                | 11.67 | 113 | 5435m  | 2.364 ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 12.03 | 107 | 19964  | 2.854 ng/ul  | 98     |
| 34) 2-Methylnaphthalene        | 12.41 | 142 | 59304  | 3.478 ng/ul  | 95     |

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Manual Integrations  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.63 | 142  | 58491    | 3.474 | ng/uL  | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.78 | 216  | 36133    | 3.638 | ng/uL  | 98       |
| 38) Hexachlorocyclopentadiene  | 12.77 | 237  | 12740    | 2.240 | ng/uL# | 96       |
| 39) 2,4,6-Trichlorophenol      | 13.02 | 196  | 16854    | 2.903 | ng/uL  | 97       |
| 40) 2,4,5-Trichlorophenol      | 13.09 | 196  | 18649    | 2.955 | ng/uL  | 93       |
| 41) 1,1'-Biphenyl              | 13.42 | 154  | 80081    | 3.603 | ng/uL  | 98       |
| 42) 2-Chloronaphthalene        | 13.46 | 162  | 61652    | 3.476 | ng/uL  | 100      |
| 43) 2-Nitroaniline             | 13.66 | 65   | 13140    | 3.143 | ng/uL# | 79       |
| 45) Dimethylphthalate          | 14.04 | 163  | 76201    | 3.391 | ng/uL# | 98       |
| 46) 2,6-Dinitrotoluene         | 14.15 | 165  | 13130    | 3.064 | ng/uL  | 97       |
| 48) Acenaphthylene             | 14.31 | 152  | 94024    | 3.456 | ng/uL  | 98       |
| 49) 3-Nitroaniline             | 14.48 | 138  | 10902    | 2.701 | ng/uL# | 96       |
| 50) Acenaphthene               | 14.65 | 153  | 65479    | 3.343 | ng/uL  | 98       |
| 51) 2,4-Dinitrophenol          | 14.69 | 184  | 3851     | 2.030 | ng/uL  | 95       |
| 53) 4-Nitrophenol              | 14.79 | 109  | 7561     | 2.879 | ng/uL# | 86       |
| 54) Dibenzofuran               | 14.98 | 168  | 97298    | 3.642 | ng/uL  | 98       |
| 55) 2,4-Dinitrotoluene         | 14.93 | 165  | 19506    | 3.196 | ng/uL  | 99       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.21 | 232  | 18076    | 3.072 | ng/uL# | 95       |
| 57) Diethylphthalate           | 15.40 | 149  | 73952    | 3.332 | ng/uL  | 99       |
| 59) Fluorene                   | 15.63 | 166  | 79262    | 3.499 | ng/uL  | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.63 | 204  | 40540    | 3.406 | ng/uL  | 97       |
| 61) 4-Nitroaniline             | 15.64 | 138  | 11401m   | 2.533 | ng/uL  |          |
| 64) 4,6-Dinitro-2-methylphenol | 15.70 | 198  | 11012    | 3.310 | ng/uL# | 78       |
| 65) N-Nitrosodiphenylamine     | 15.83 | 169  | 66204    | 3.648 | ng/uL  | 95       |
| 66) 4-Bromophenyl-phenylether  | 16.52 | 248  | 27840    | 3.589 | ng/uL  | 95       |
| 67) Hexachlorobenzene          | 16.64 | 284  | 31387    | 3.585 | ng/uL  | 98       |
| 68) Atrazine                   | 16.78 | 200  | 24503    | 3.377 | ng/uL  | 93       |
| 69) Pentachlorophenol          | 16.98 | 266  | 11218m   | 2.404 | ng/uL  |          |
| 70) Phenanthrene               | 17.37 | 178  | 128848   | 3.699 | ng/uL  | 98       |
| 72) Anthracene                 | 17.46 | 178  | 123763   | 3.566 | ng/uL  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.39 | 216  | 37543    | 4.006 | ng/uL  | 99       |
| 74) Pentachlorobenzene         | 14.90 | 250  | 35233    | 3.722 | ng/uL  | 93       |
| 75) Carbazole                  | 17.72 | 167  | 106618   | 3.828 | ng/uL  | 97       |
| 76) Di-n-butylphthalate        | 18.30 | 149  | 114483   | 3.341 | ng/uL  | 100      |
| 77) Fluoranthene               | 19.38 | 202  | 156833   | 4.105 | ng/uL  | 99       |
| 80) Pvrene                     | 19.73 | 202  | 160232   | 3.702 | ng/uL  | 99       |
| 81) Butylbenzylphthalate       | 20.63 | 149  | 47502    | 3.197 | ng/uL  | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.47 | 252  | 43147    | 3.140 | ng/uL  | 97       |
| 83) Benzo(a)anthracene         | 21.56 | 228  | 158619   | 3.762 | ng/uL  | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.49 | 149  | 68370    | 3.163 | ng/uL  | 94       |
| 85) Chrysene                   | 21.62 | 228  | 152947   | 3.732 | ng/uL  | 99       |
| 87) Di-n-octyl phthalate       | 22.67 | 149  | 110735   | 2.988 | ng/uL  | 100      |
| 88) Benzo(b)fluoranthene       | 23.70 | 252  | 156857   | 3.274 | ng/uL  | 97       |
| 89) Benzo(k)fluoranthene       | 23.76 | 252  | 152659   | 3.245 | ng/uL  | 97       |
| 91) Benzo(a)pyrene             | 24.54 | 252  | 153538m  | 3.494 | ng/uL  |          |
| 92) Indeno(1,2,3-cd)pyrene     | 28.20 | 276  | 163311   | 2.976 | ng/uL  | 97       |
| 93) Dibenzo(a,h)anthracene     | 28.27 | 278  | 135106m  | 3.010 | ng/uL  |          |
| 94) Benzo(a,h,i)perylene       | 29.29 | 276  | 142319   | 3.068 | ng/uL  | 97       |

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Sample : L1955-07  
Misc : MDL-SOIL-07  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

Manual Integrations  
APPROVED

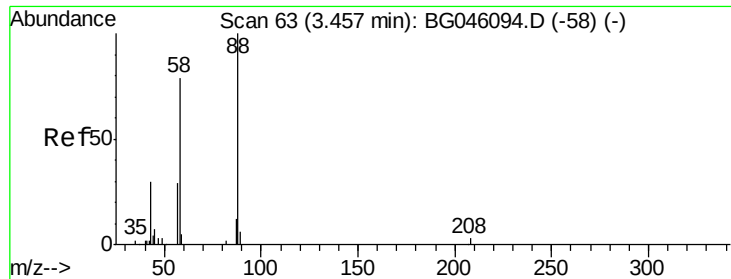
mohammad  
7/29/2020 11:46:43 AM

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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





#2

1,4-Dioxane

Concen: 1.296 ng/uL

RT: 3.46 min Scan# 63

Delta R.T. 0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

Instrument :

BNA\_G

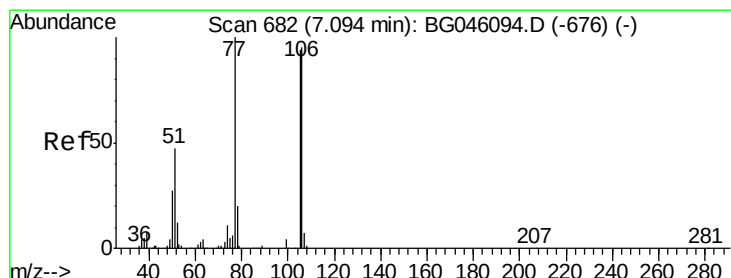
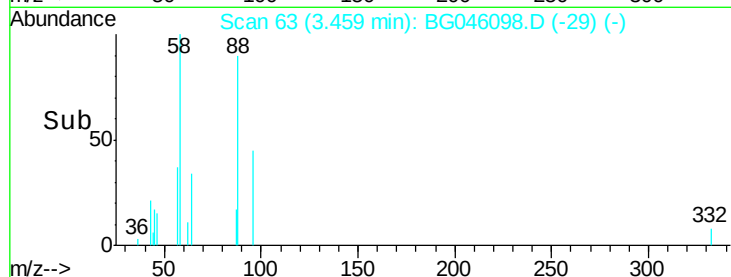
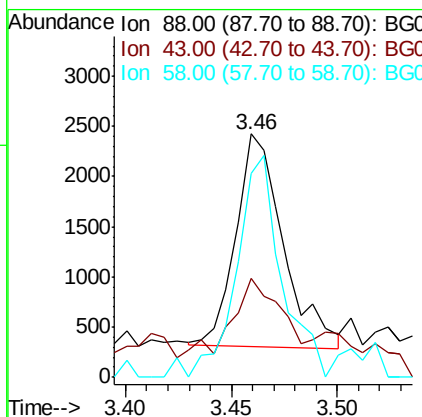
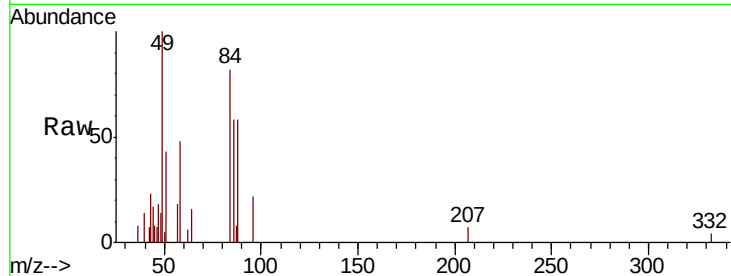
ClientSampleId :

MDL-SOIL-07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 88    | Resp: | 3311  |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 40.4  | 26.6  | 39.8# |
| 58        | 83.9  | 57.4  | 86.2  |

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#4

Benzaldehyde

Concen: 2.274 ng/uL m

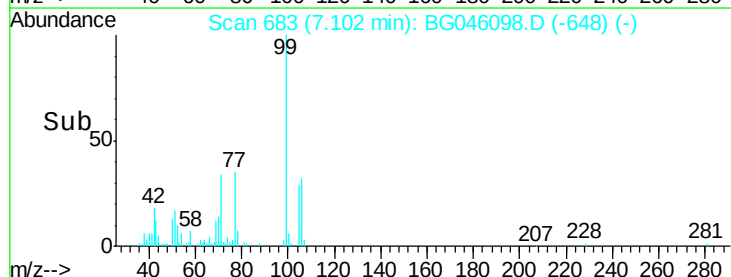
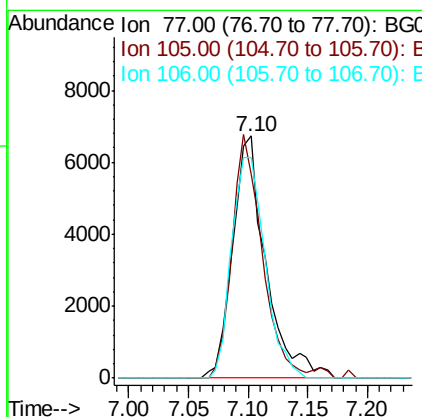
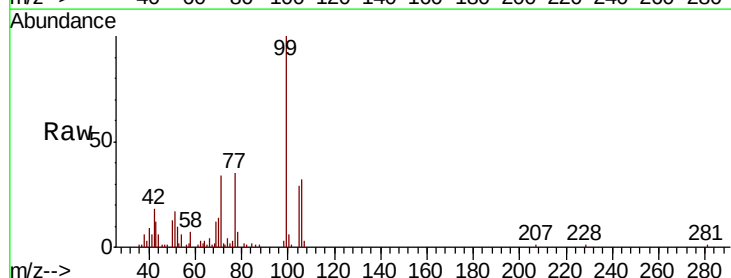
RT: 7.10 min Scan# 683

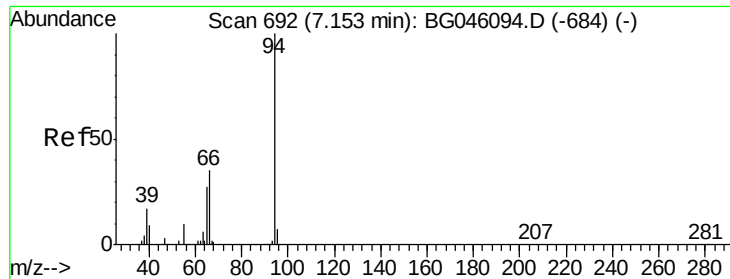
Delta R.T. 0.01 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 77    | Resp: | 13105 |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 105       | 84.3  | 79.4  | 119.2 |
| 106       | 90.9  | 78.6  | 117.8 |





#6

Phenol

Concen: 3.355 ng/ul

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

Instrument :

BNA\_G

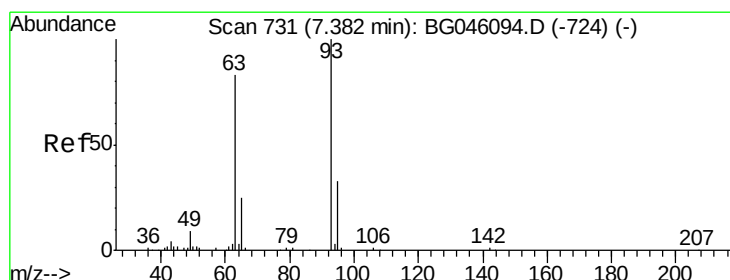
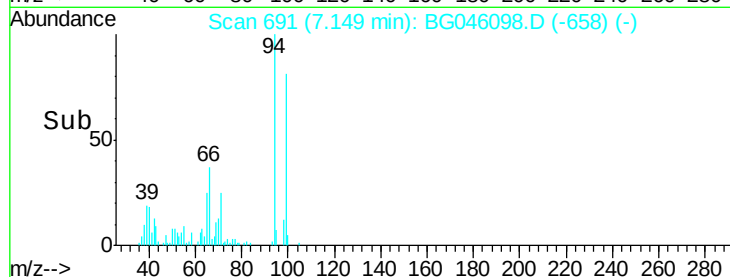
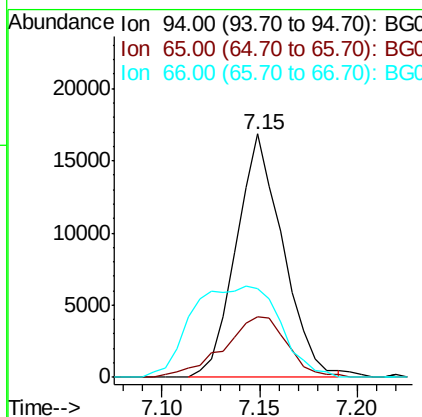
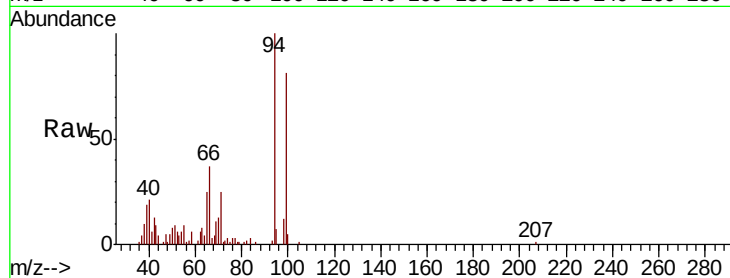
ClientSampleId :

MDL-SOIL-07

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 27934 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 25.0  | 23.1  | 34.7  |
| 66       | 36.6  | 30.3  | 45.5  |

Manual Integrations  
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7/29/2020 11:46:43 AM



#8

Bis(2-Chloroethyl)ether

Concen: 3.424 ng/ul

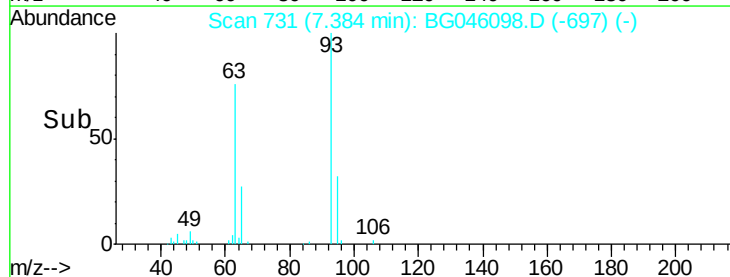
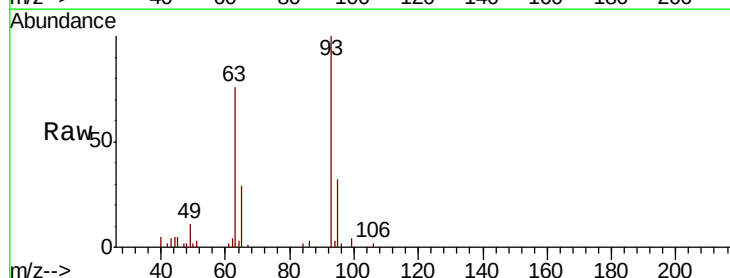
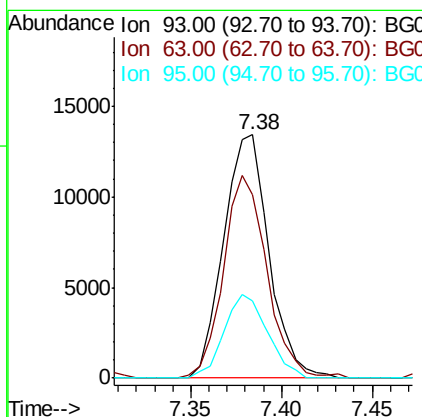
RT: 7.38 min Scan# 731

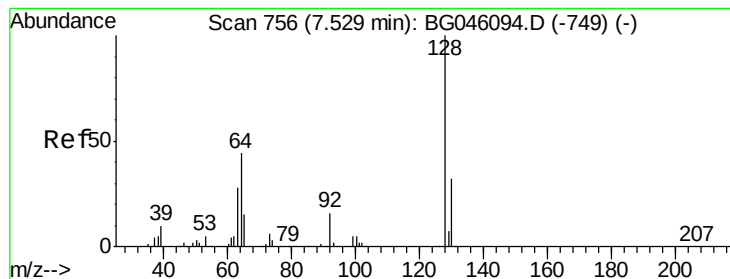
Delta R.T. 0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 23330 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 75.6  | 63.4  | 95.2  |
| 95       | 32.0  | 26.4  | 39.6  |





#10

2-Chlorophenol

Concen: 3.415 ng/ul

RT: 7.53 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

Instrument :

BNA\_G

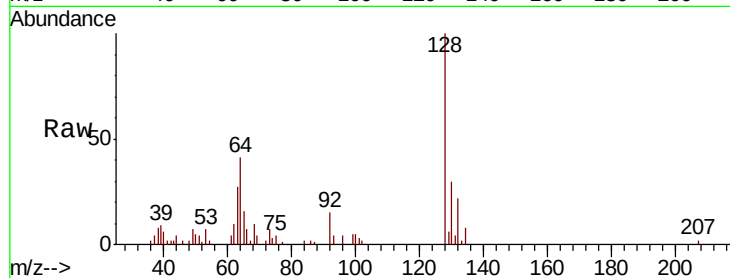
ClientSampleId :

MDL-SOIL-07

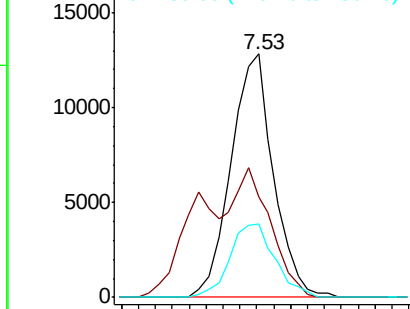
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 22402 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 64        | 41.4  | 39.0  | 58.6  |
| 130       | 30.0  | 25.0  | 37.4  |

Manual Integrations  
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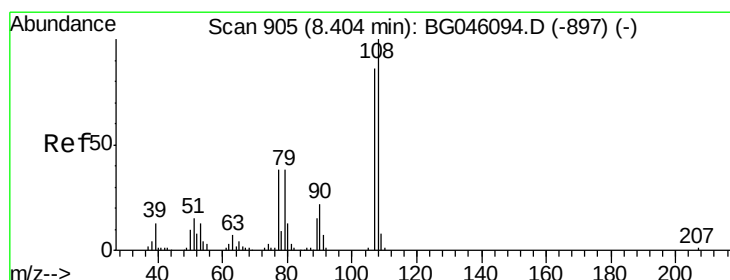
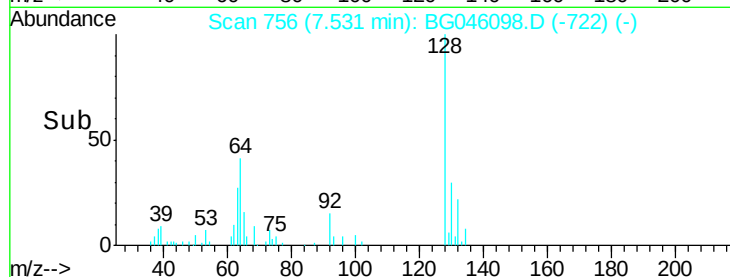
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7/29/2020 11:46:43 AM



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 130.00 (129.70 to 130.70): E



Time-->



#11

2-Methylphenol

Concen: 2.976 ng/ul

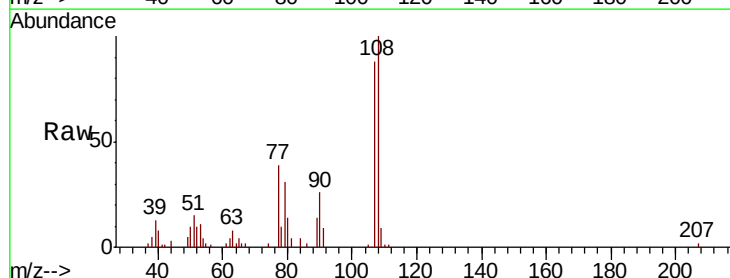
RT: 8.40 min Scan# 904

Delta R.T. -0.00 min

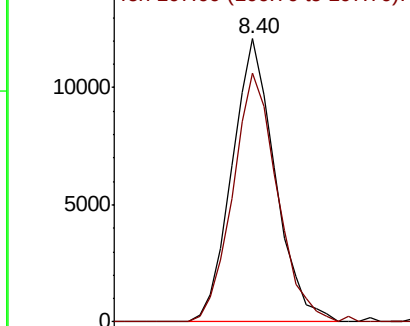
Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

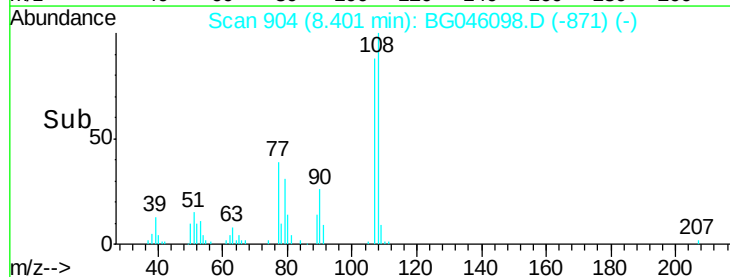
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 108   | Resp: | 19969 |
| Ion Ratio | Lower | Upper |       |
| 108       | 100   |       |       |
| 107       | 87.9  | 75.0  | 112.4 |

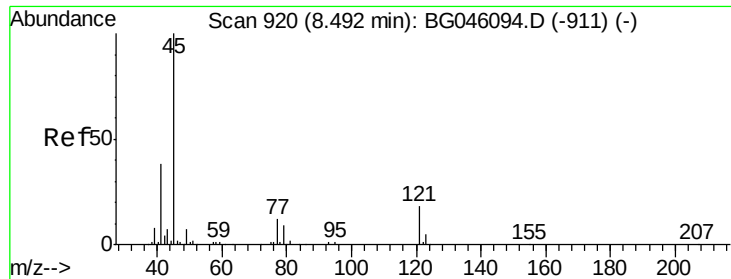


Abundance Ion 108.00 (107.70 to 108.70): E  
Ion 107.00 (106.70 to 107.70): E



Time-->





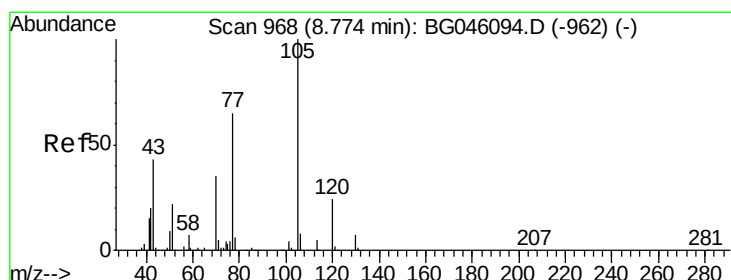
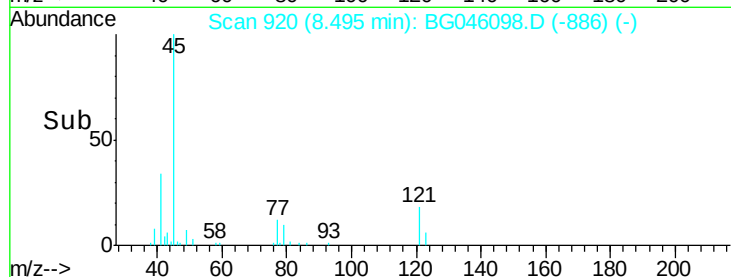
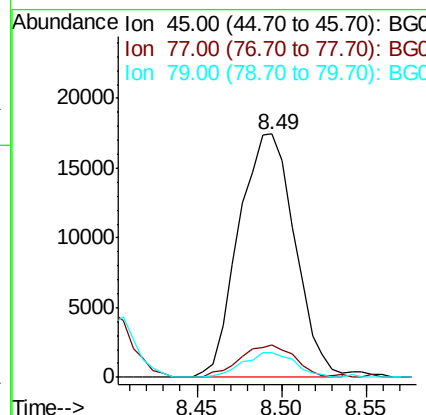
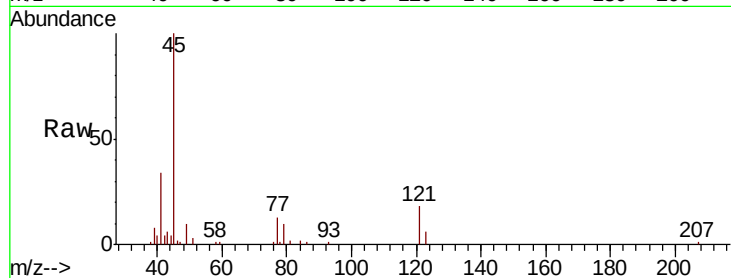
#12  
2,2'-oxvbis(1-Chloropropane)  
Concen: 3.491 ng/ul  
RT: 8.49 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 13.2  | 9.2   | 13.8  |
| 79      | 10.0  | 7.0   | 10.6  |

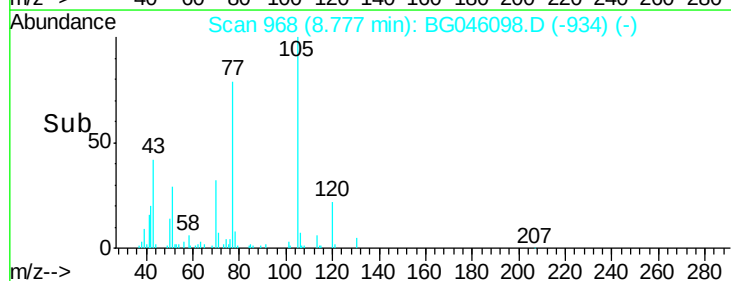
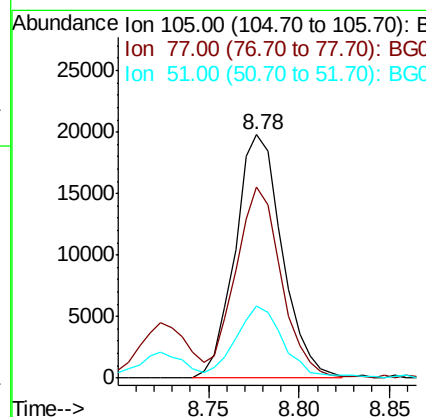
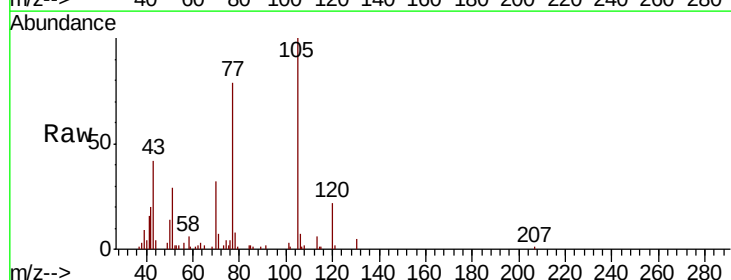
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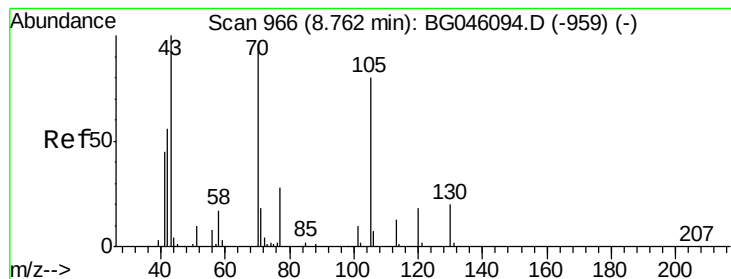


#14  
Acetophenone  
Concen: 3.541 ng/ul  
RT: 8.78 min Scan# 968  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 77      | 78.5  | 62.2  | 93.2  |
| 51      | 29.5  | 23.0  | 34.6  |







#15

N-Nitroso-di-n-propylamine

Concen: 3.330 ng/ul

RT: 8.76 min Scan# 966

Delta R.T. 0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

Instrument :

BNA\_G

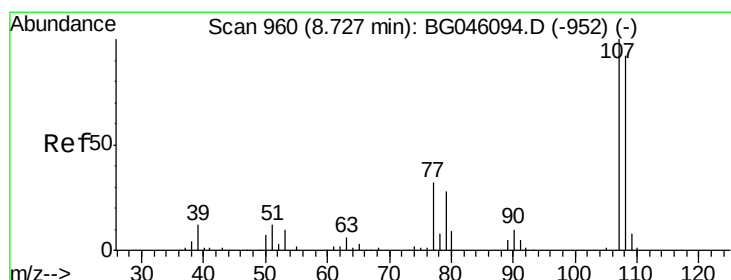
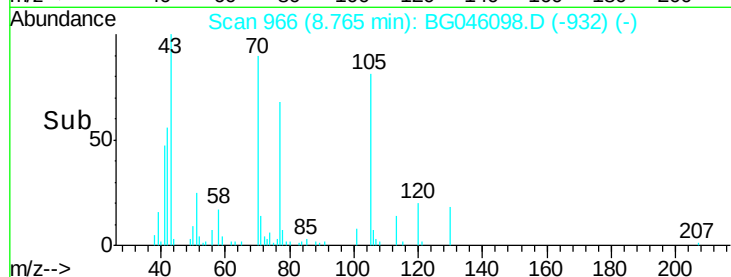
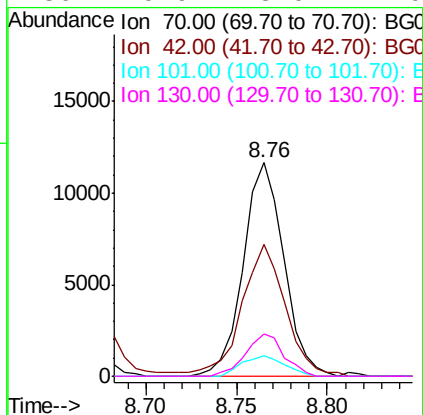
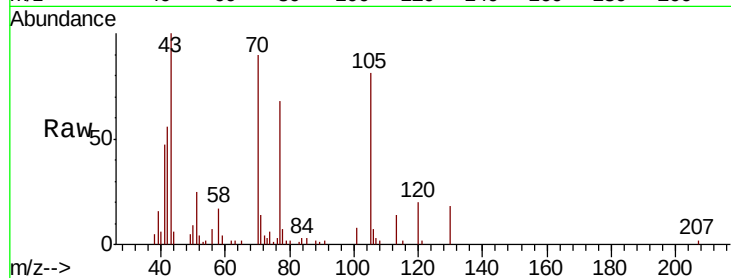
ClientSampleId :

MDL-SOIL-07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 70    | Resp: | 18129 |
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 61.9  | 50.0  | 75.0  |
| 101       | 9.4   | 8.1   | 12.1  |
| 130       | 19.9  | 18.0  | 27.0  |

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#16

4-Methylphenol

Concen: 3.156 ng/ul

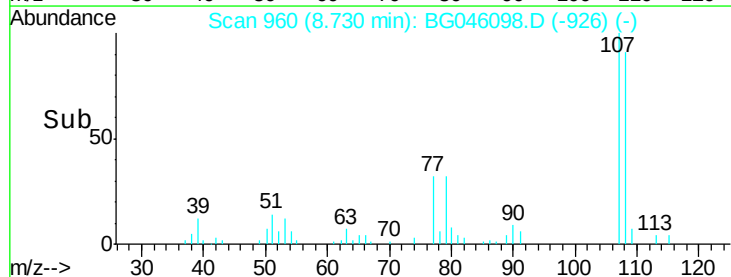
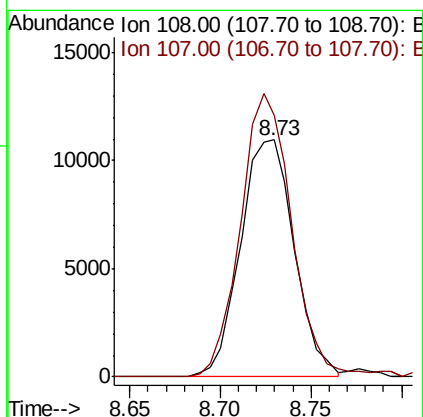
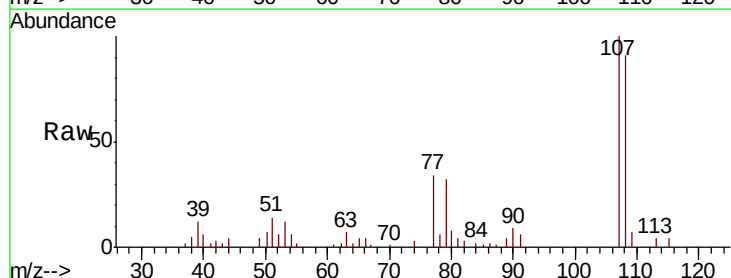
RT: 8.73 min Scan# 960

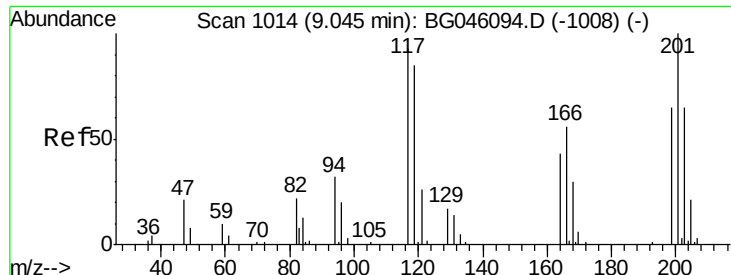
Delta R.T. 0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 108   | Resp: | 22684 |
| Ion Ratio | Lower | Upper |       |
| 108       | 100   |       |       |
| 107       | 110.4 | 94.6  | 141.8 |





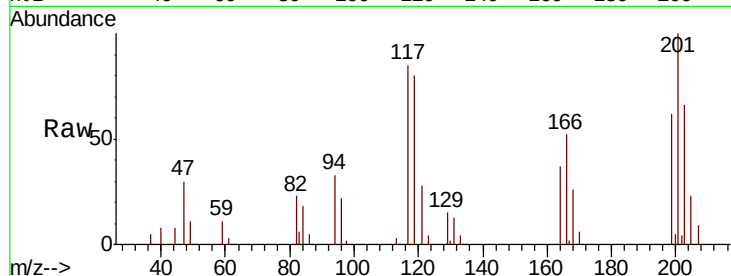
#17  
Hexachloroethane  
Concen: 3.459 ng/ul  
RT: 9.05 min Scan# 1014  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

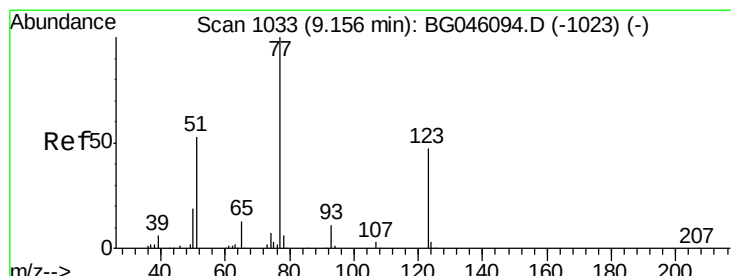
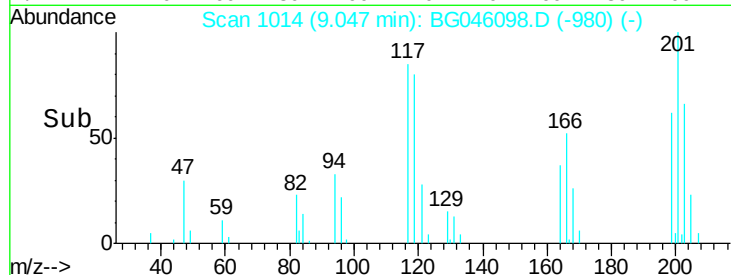
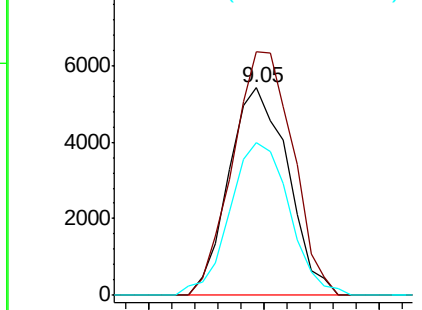
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   | 9628 |       |       |
| 201     | 117.3 |      | 98.2  | 147.4 |
| 199     | 73.2  |      | 61.4  | 92.2  |

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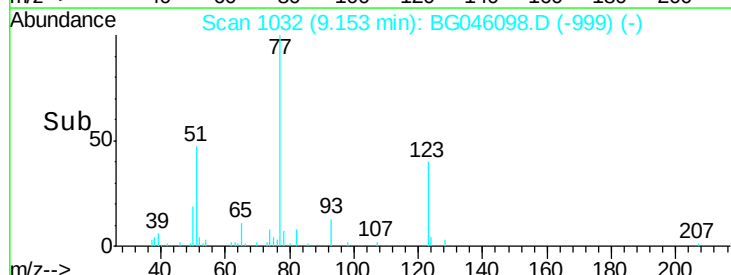
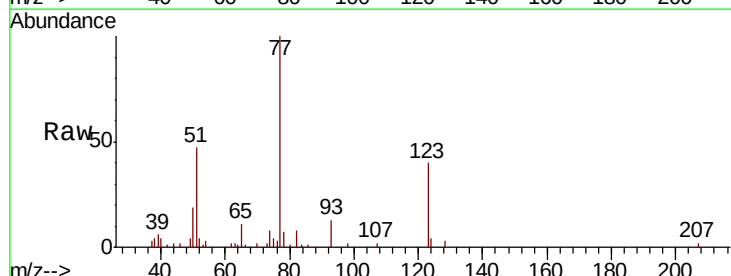
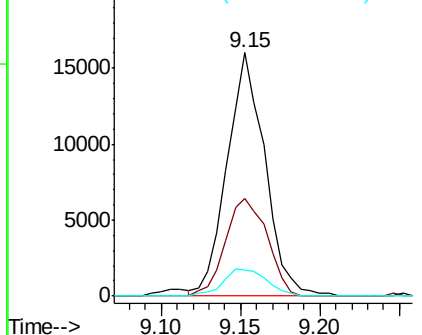
Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 201.00 (200.70 to 201.70): E  
Ion 199.00 (198.70 to 199.70): E

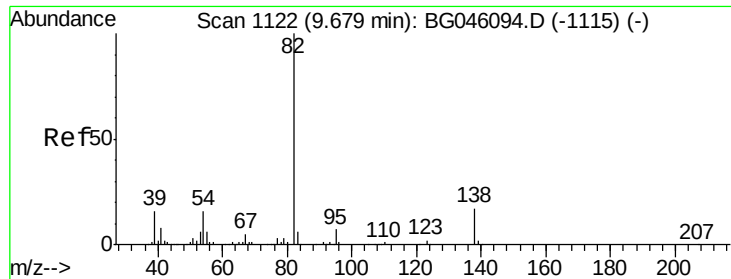


#20  
Nitrobenzene  
Concen: 3.453 ng/ul  
RT: 9.15 min Scan# 1032  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 77      | 100   | 26540 |       |       |
| 123     | 40.1  |       | 36.1  | 54.1  |
| 65      | 10.9  |       | 10.5  | 15.7  |

Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 123.00 (122.70 to 123.70): E  
Ion 65.00 (64.70 to 65.70): BGC





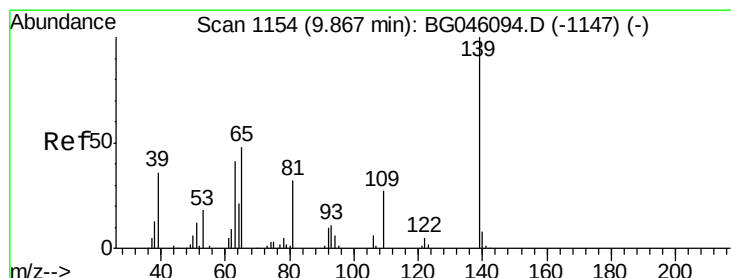
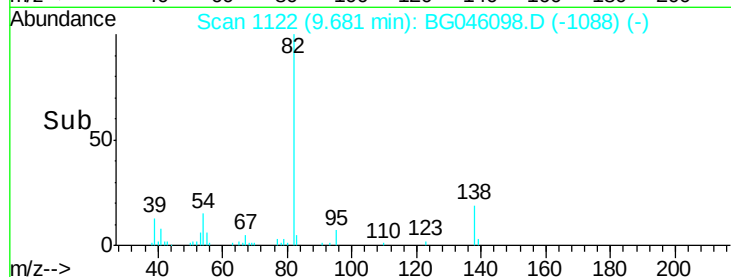
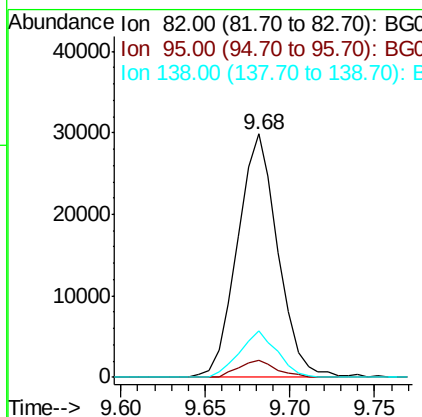
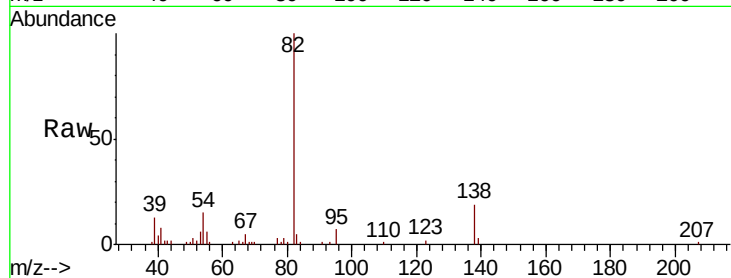
#21  
Isophorone  
Concen: 3.298 ng/ul  
RT: 9.68 min Scan# 1122  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 7.0   | 5.8   | 8.8   |
| 138     | 19.4  | 16.2  | 24.4  |

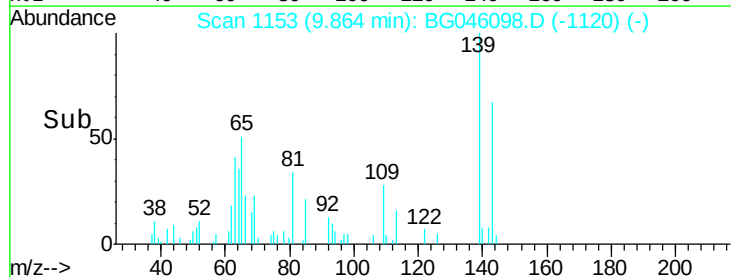
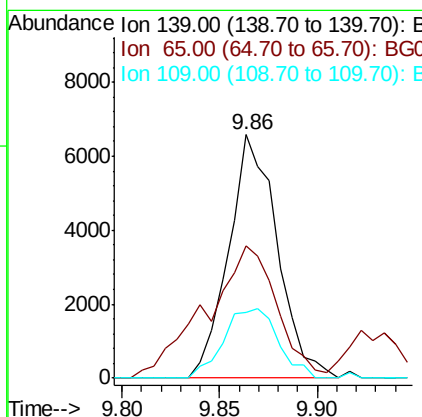
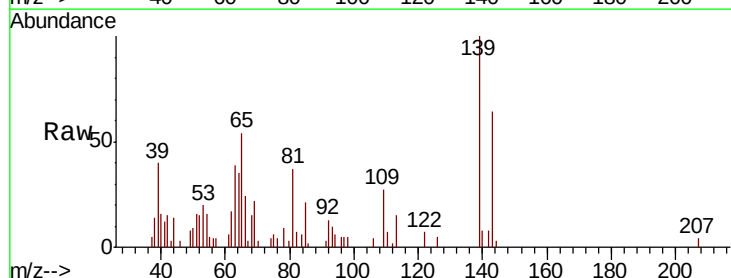
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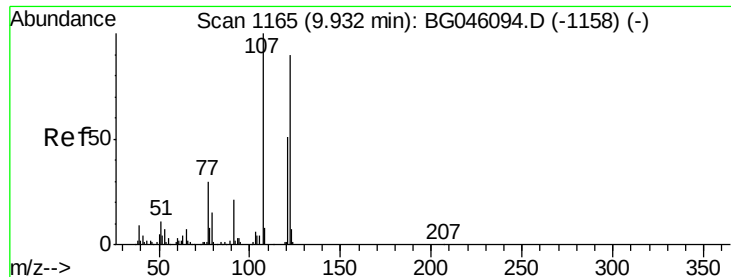
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#23  
2-Nitrophenol  
Concen: 3.316 ng/ul  
RT: 9.86 min Scan# 1153  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 65      | 54.3  | 37.2  | 55.8  |
| 109     | 26.8  | 22.4  | 33.6  |





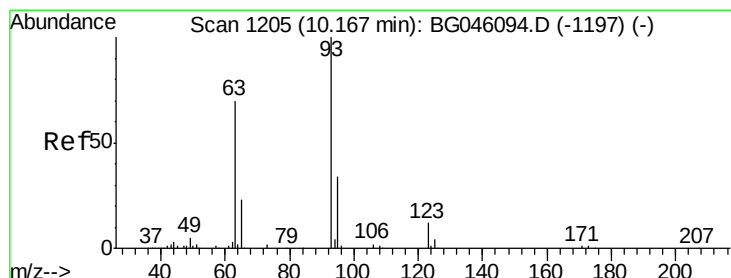
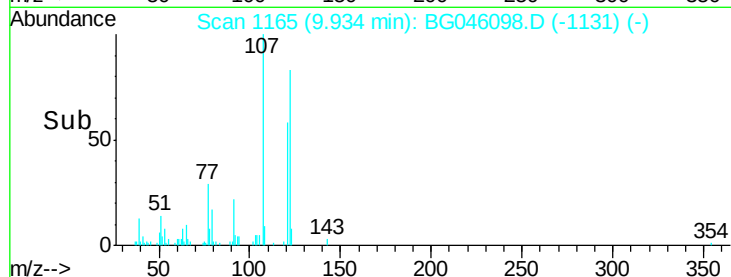
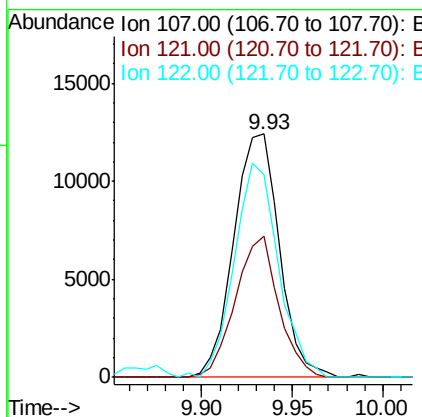
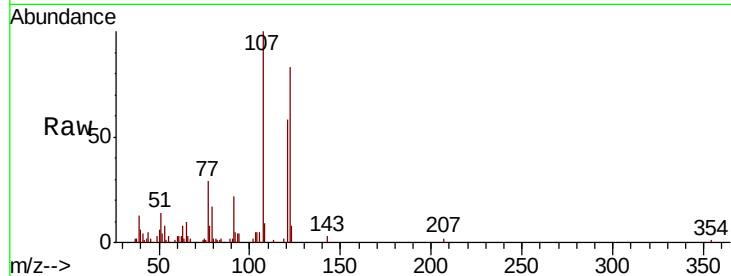
#24  
2,4-Dimethylphenol  
Concen: 2.864 ng/ul  
RT: 9.93 min Scan# 1165  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 121     | 57.9  | 40.4  | 60.6  |
| 122     | 83.1  | 68.2  | 102.4 |

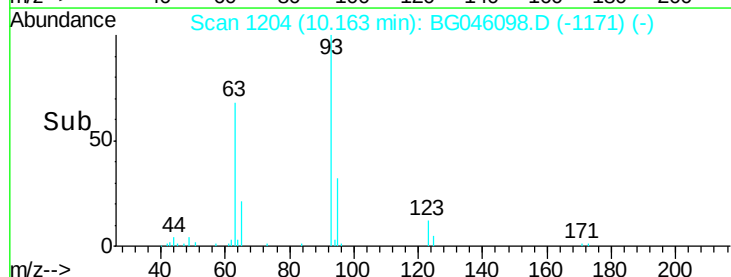
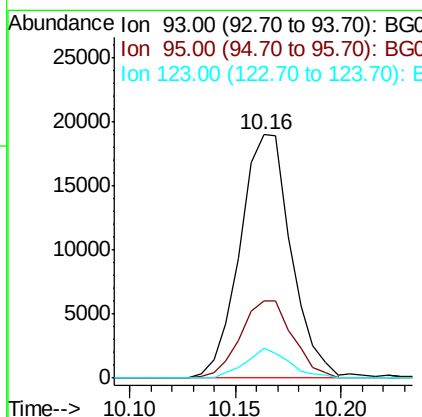
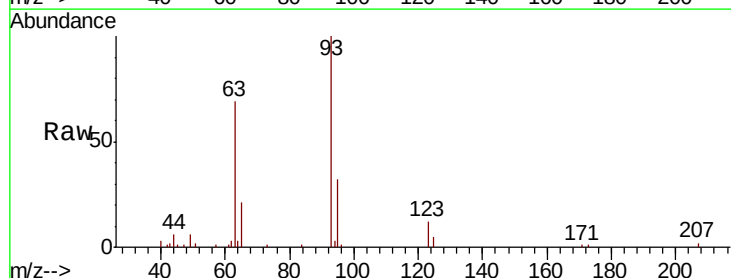
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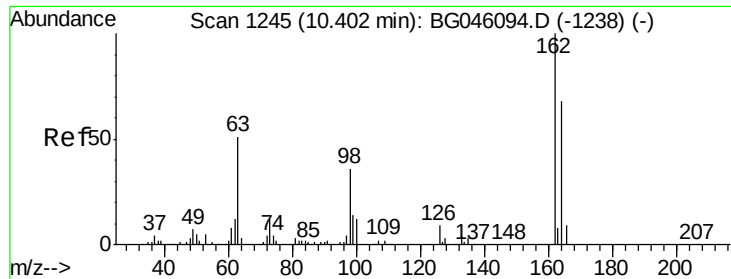
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#25  
Bis(2-Chloroethoxy)methane  
Concen: 3.361 ng/ul  
RT: 10.16 min Scan# 1204  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.0  | 25.8  | 38.6  |
| 123     | 12.4  | 9.0   | 13.4  |





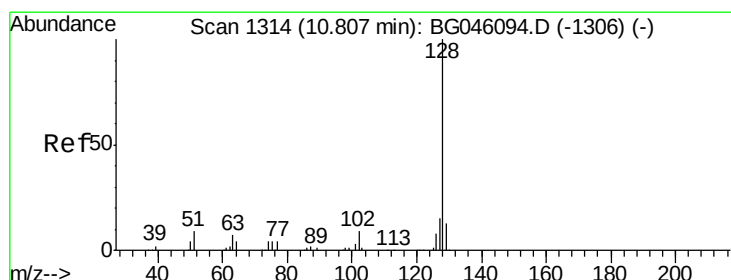
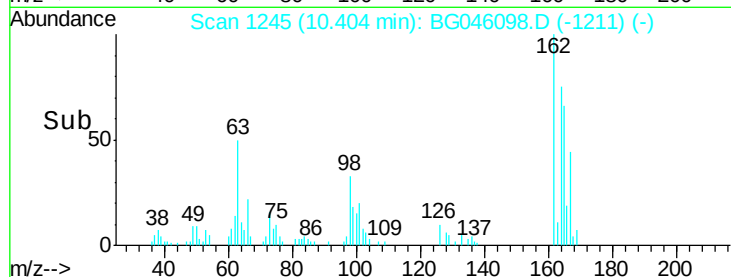
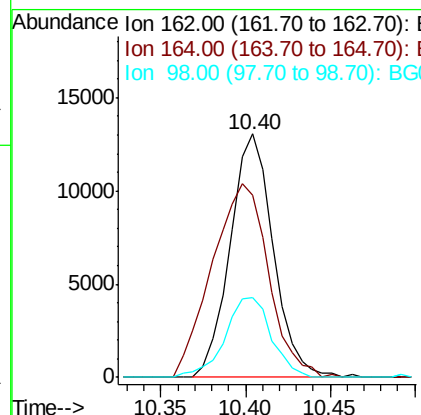
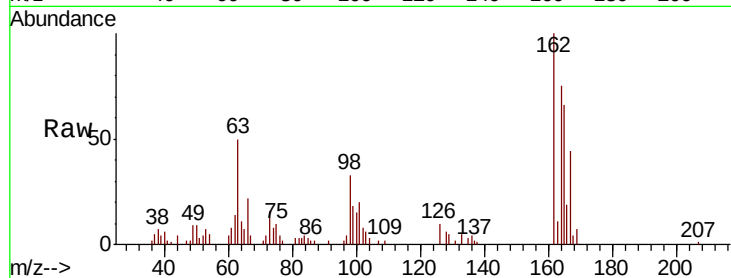
#27  
2,4-Dichlorophenol  
Concen: 3.403 ng/ul  
RT: 10.40 min Scan# 1245  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 162   | Resp: | 23213 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 75.0  | 51.0  | 76.4  |
| 98        | 32.8  | 23.8  | 35.6  |

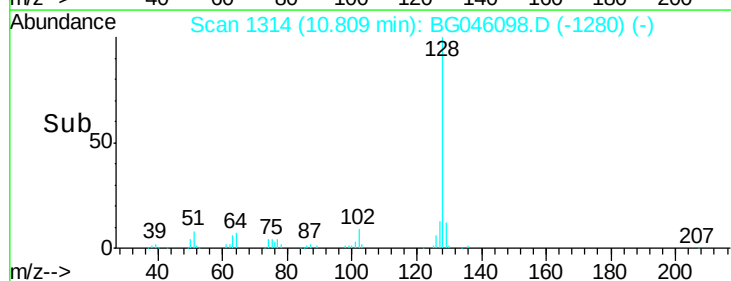
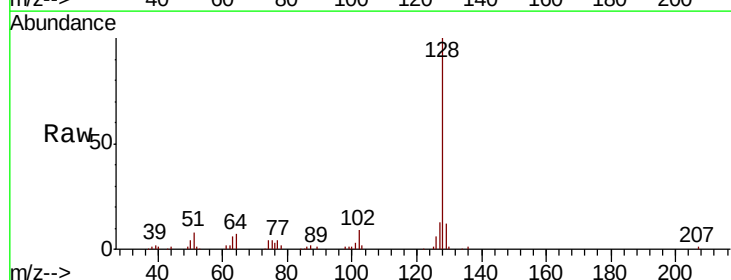
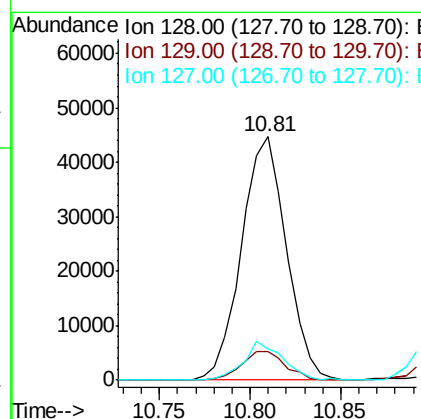
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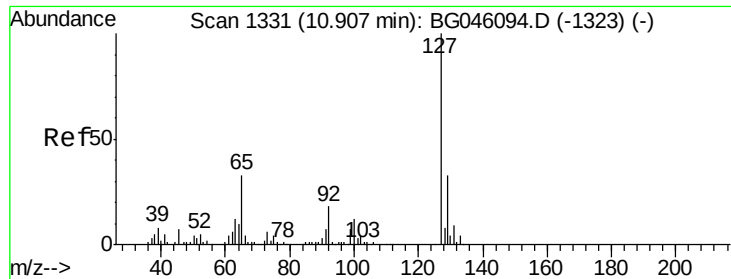
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#28  
Naphthalene  
Concen: 3.390 ng/ul  
RT: 10.81 min Scan# 1314  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 76882 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.6  | 8.6   | 13.0  |
| 127       | 12.7  | 11.2  | 16.8  |





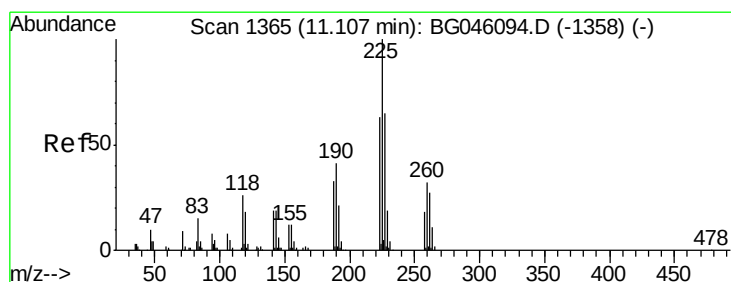
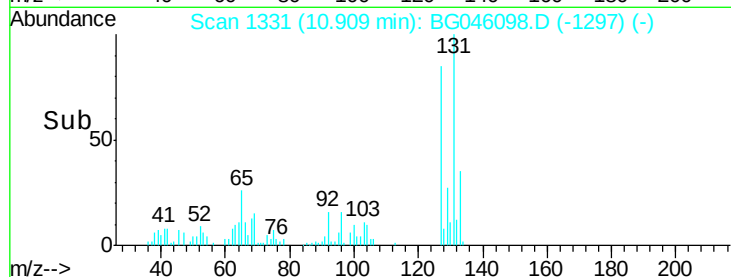
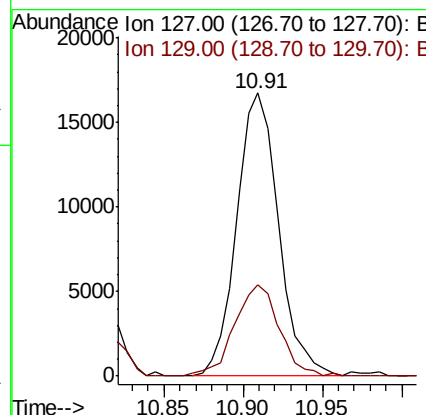
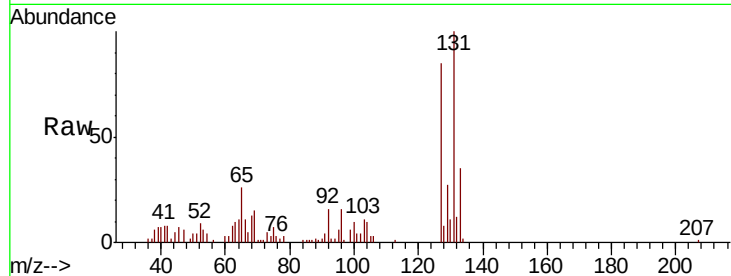
#30  
4-Chloroaniline  
Concen: 4.089 ng/ul  
RT: 10.91 min Scan# 1331  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.2  | 28.2  | 42.4  |

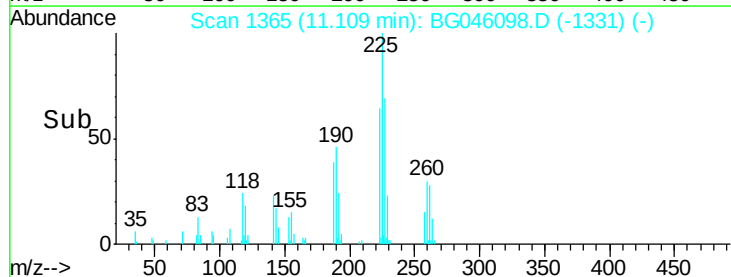
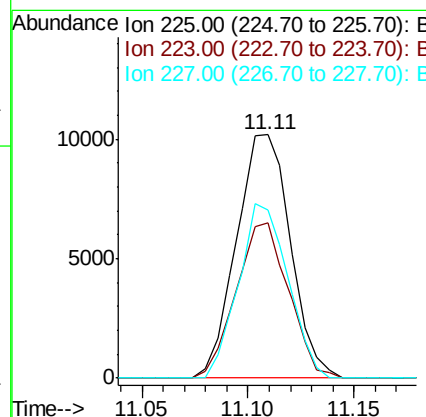
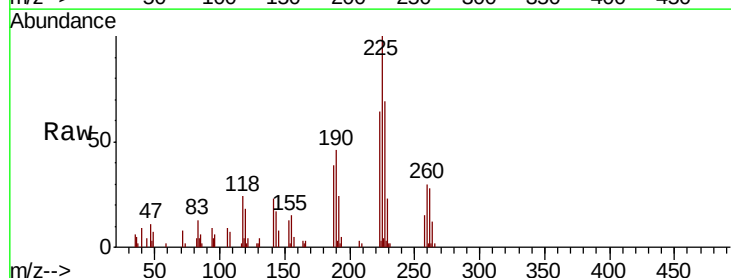
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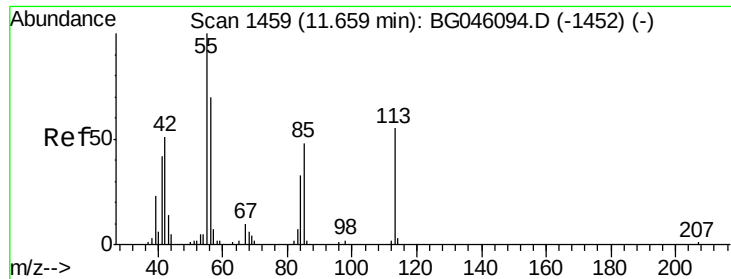
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#31  
Hexachlorobutadiene  
Concen: 3.436 ng/ul  
RT: 11.11 min Scan# 1365  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 67.2  | 47.7  | 71.5  |
| 227     | 69.0  | 50.7  | 76.1  |





#32

Caprolactam

Concen: 2.364 ng/ul m

RT: 11.67 min Scan# 1461

Delta R.T. 0.01 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

Instrument :

BNA\_G

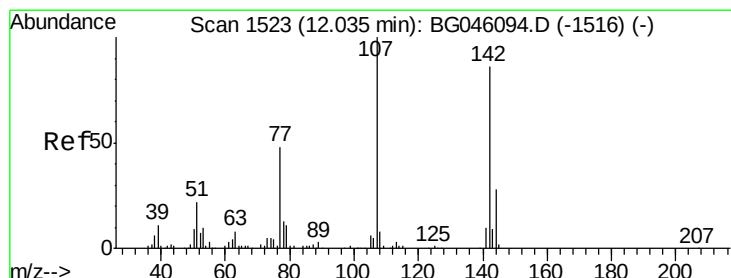
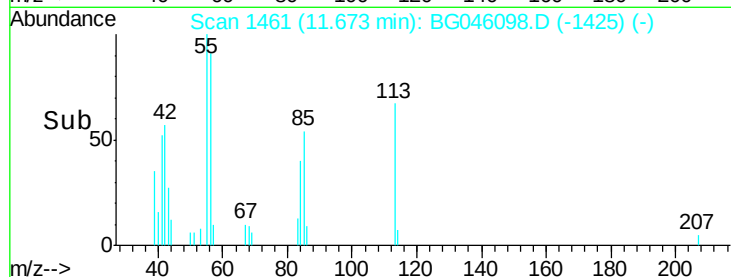
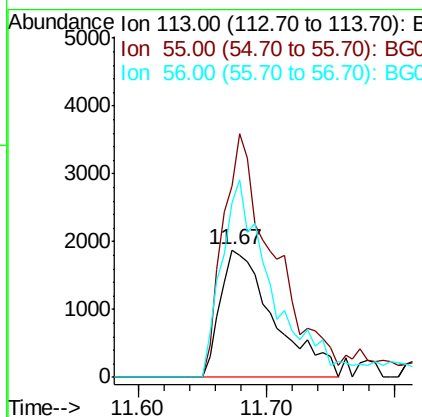
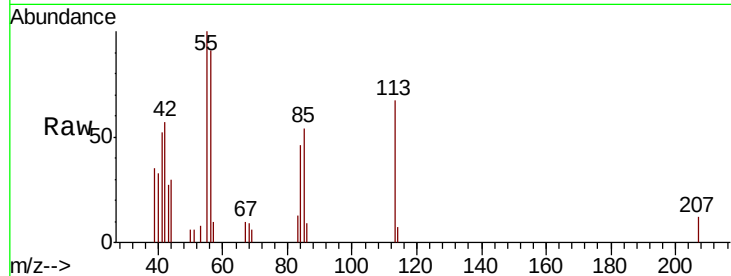
ClientSampleId :

MDL-SOIL-07

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 5435  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 55       | 149.8 | 143.8 | 215.6 |
| 56       | 136.4 | 99.0  | 148.4 |

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#33

4-Chloro-3-methylphenol

Concen: 2.854 ng/ul

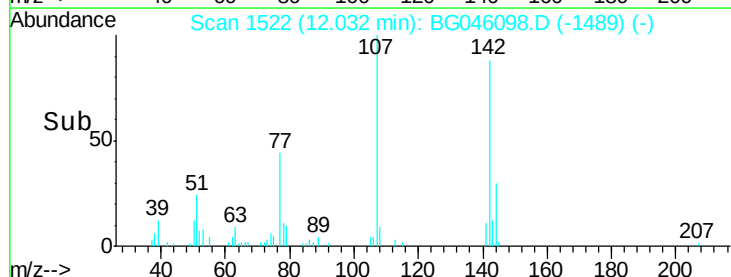
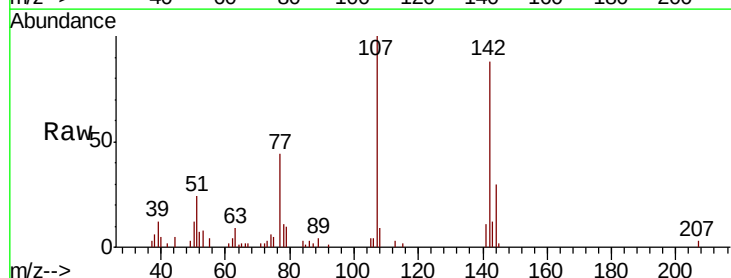
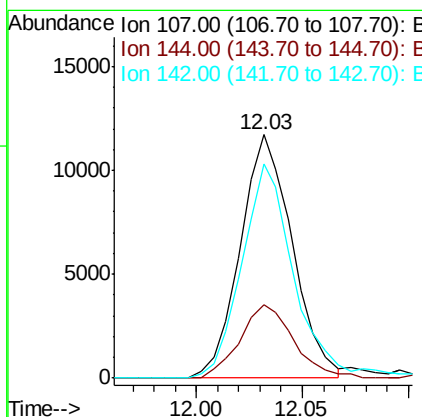
RT: 12.03 min Scan# 1522

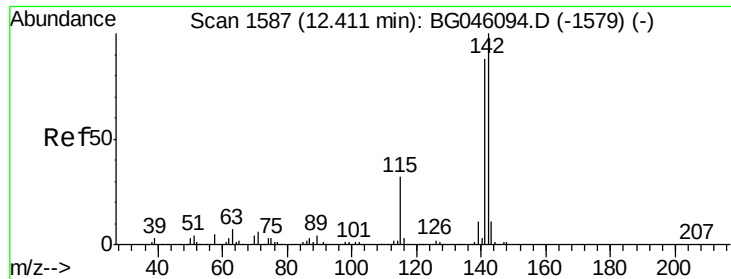
Delta R.T. -0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 19964 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 144      | 30.3  | 23.0  | 34.6  |
| 142      | 88.1  | 69.6  | 104.4 |





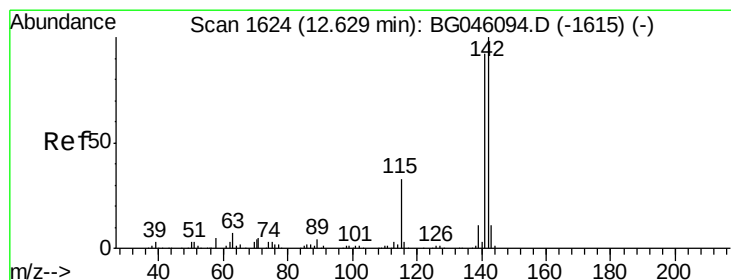
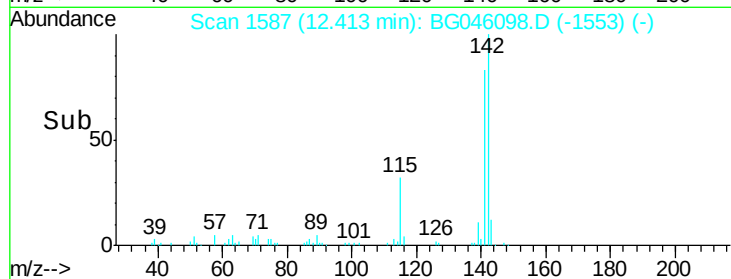
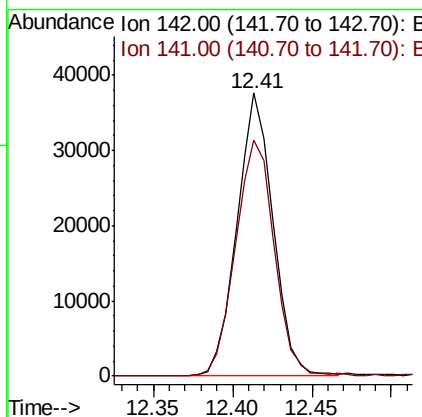
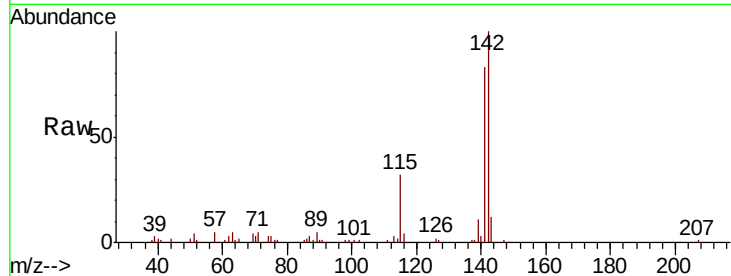
#34  
2-Methylnaphthalene  
Concen: 3.478 ng/uL  
RT: 12.41 min Scan# 1587  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

Tot Ion:142 Resp: 59304  
Ion Ratio Lower Upper  
142 100  
141 83.2 70.2 105.4

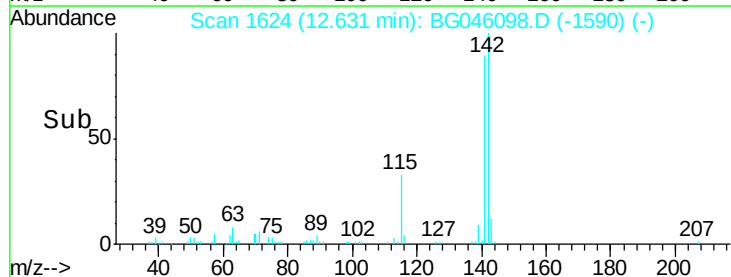
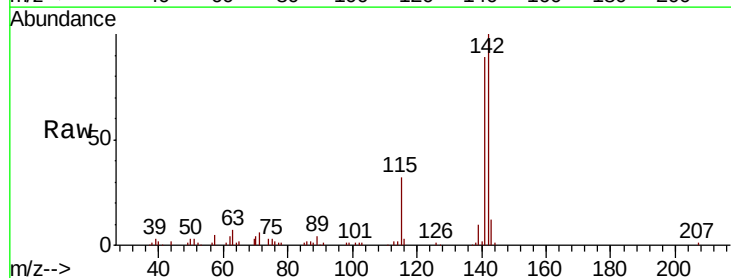
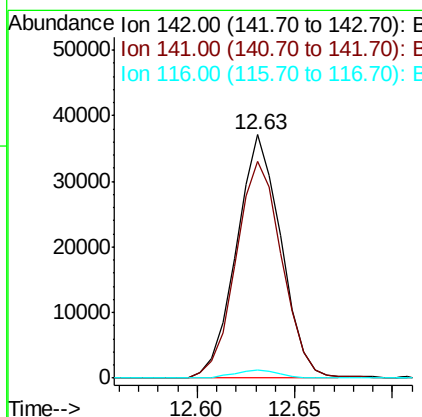
Manual Integrations  
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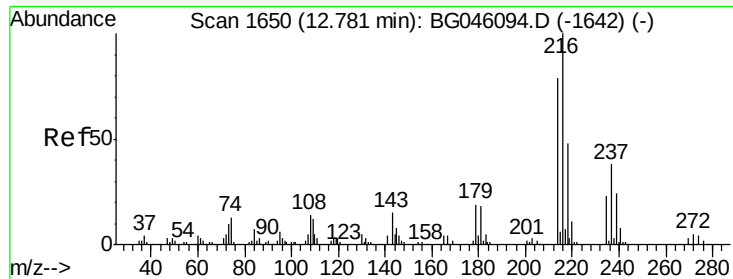


#35  
1-Methylnaphthalene  
Concen: 3.474 ng/uL  
RT: 12.63 min Scan# 1624  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Tgt Ion:142 Resp: 58491  
Ion Ratio Lower Upper  
142 100  
141 92.1 75.2 112.8  
116 3.4 2.7 4.1







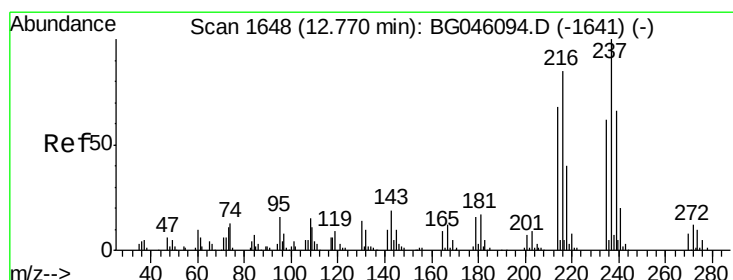
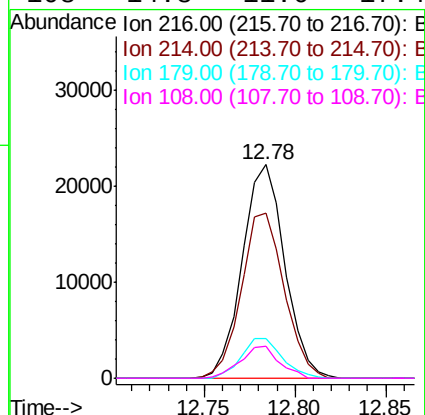
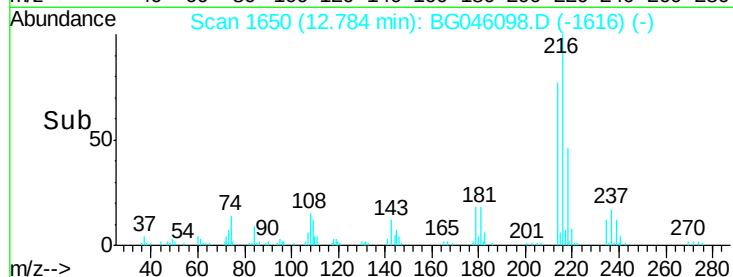
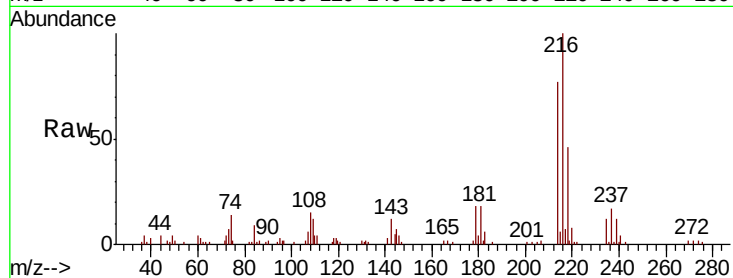
#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 3.638 ng/ul  
 RT: 12.78 min Scan# 1650  
 Delta R.T. 0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-07

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 216     | 100  |       | 36133 |       |       |
| 214     | 77.2 |       | 63.4  | 95.2  |       |
| 179     | 18.5 |       | 15.4  | 23.2  |       |
| 108     | 14.8 |       | 11.6  | 17.4  |       |

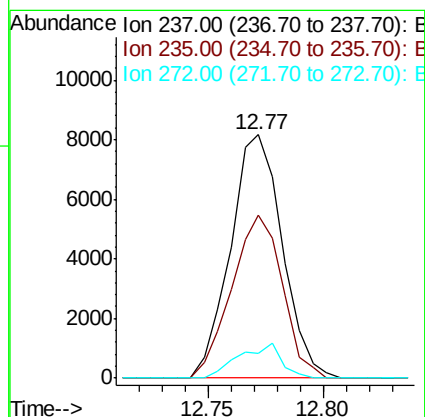
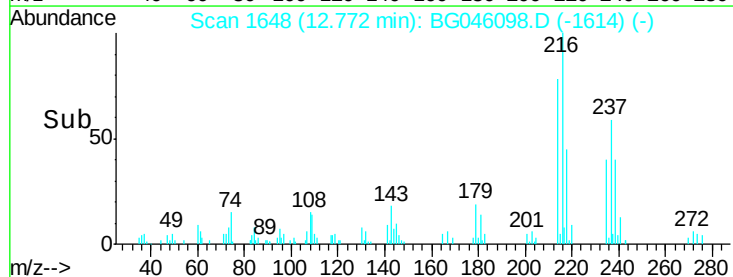
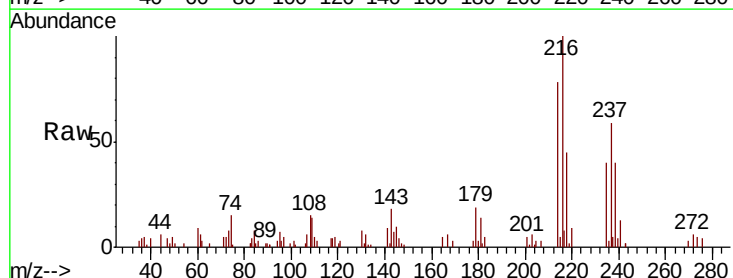
Manual Integrations  
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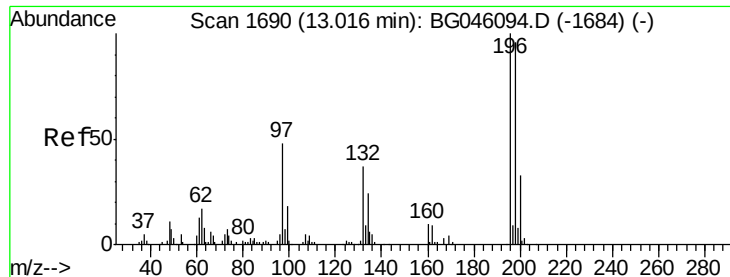
mohammad  
 7/29/2020 11:46:43 AM



#38  
 Hexachlorocyclopentadiene  
 Concen: 2.240 ng/ul  
 RT: 12.77 min Scan# 1648  
 Delta R.T. 0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 237     | 100  |       | 12740 |       |       |
| 235     | 62.0 |       | 52.0  | 78.0  |       |
| 272     | 9.3  |       | 10.0  | 15.0  |       |





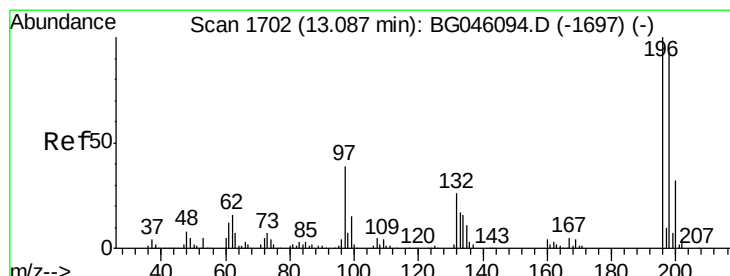
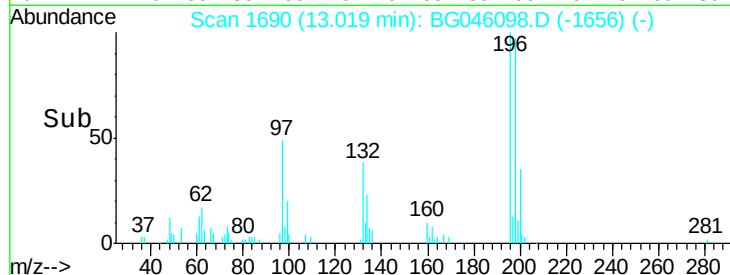
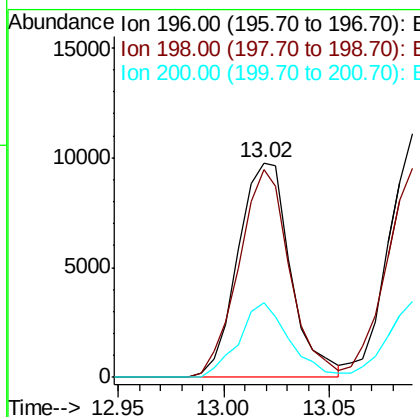
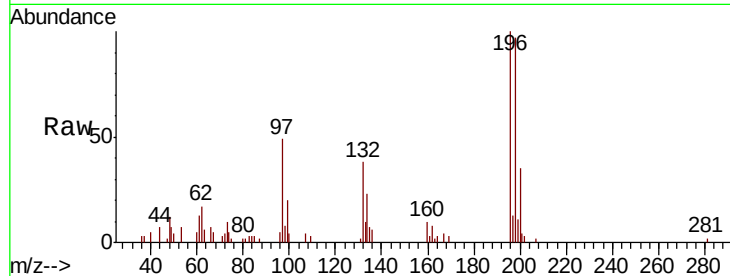
#39  
 2,4,6-Trichlorophenol  
 Concen: 2.903 ng/ul  
 RT: 13.02 min Scan# 1690  
 Delta R.T. 0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-07

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 16854 |       |       |
| 198     | 96.6  | 75.8  | 113.6 |       |
| 200     | 34.8  | 25.4  | 38.0  |       |

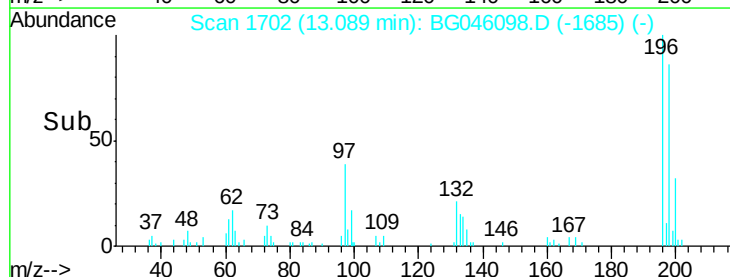
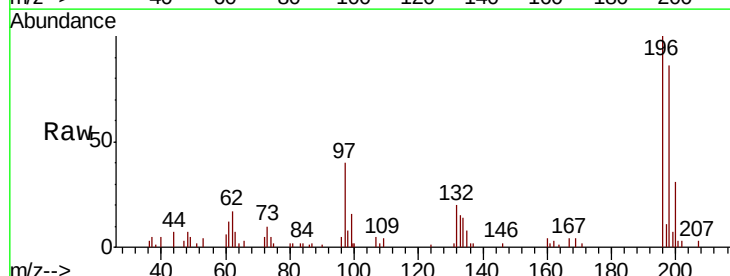
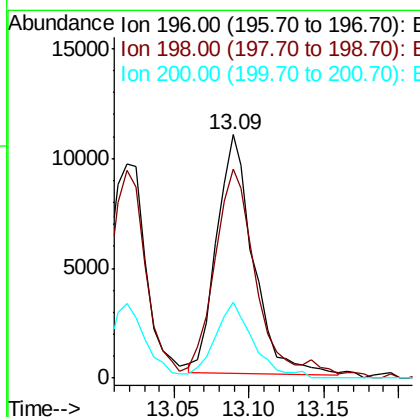
Manual Integrations  
 APPROVED

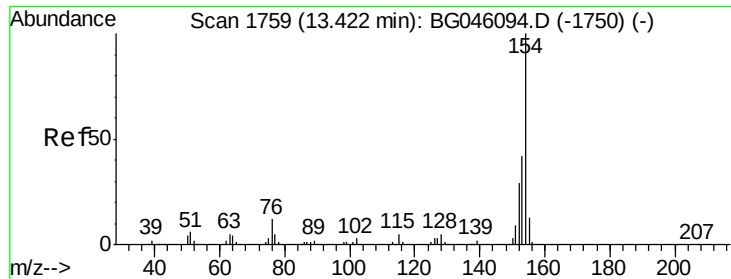
mohammad  
 7/29/2020 11:46:43 AM



#40  
 2,4,5-Trichlorophenol  
 Concen: 2.955 ng/ul  
 RT: 13.09 min Scan# 1702  
 Delta R.T. 0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 18649 |       |       |
| 198     | 85.8  | 75.2  | 112.8 |       |
| 200     | 31.2  | 25.8  | 38.6  |       |





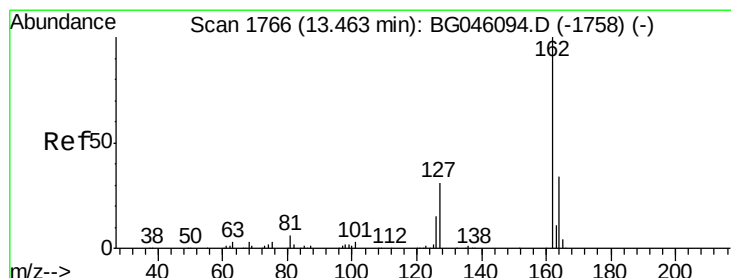
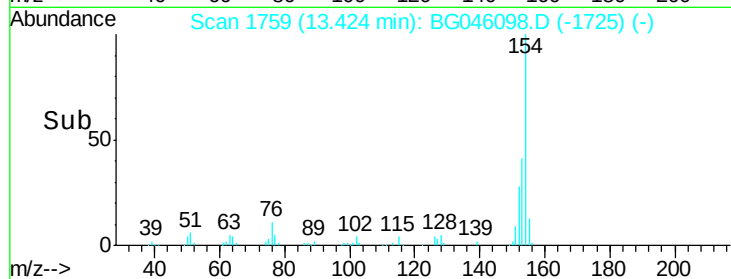
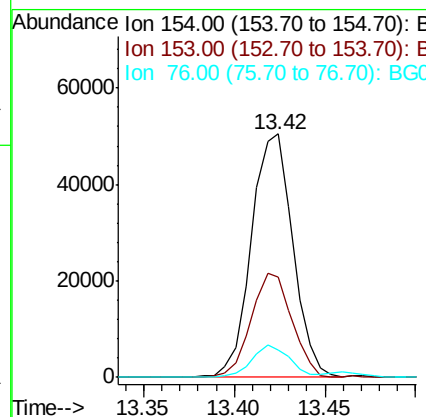
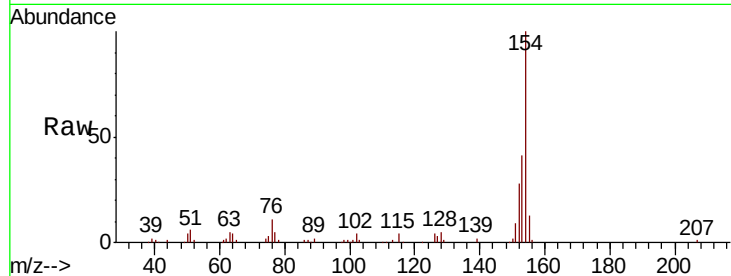
#41  
 1,1'-Biphenyl  
 Concen: 3.603 ng/ul  
 RT: 13.42 min Scan# 1759  
 Delta R.T. 0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 80081 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 41.0  | 31.9  | 47.9  |
| 76        | 11.1  | 9.3   | 13.9  |

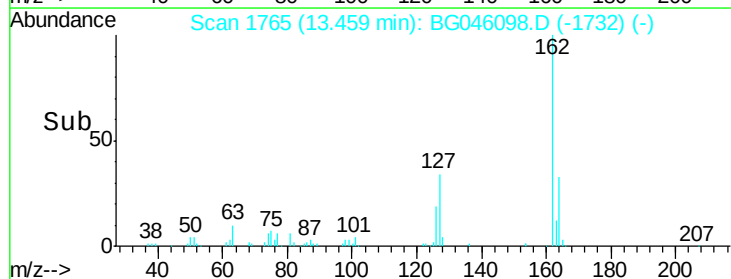
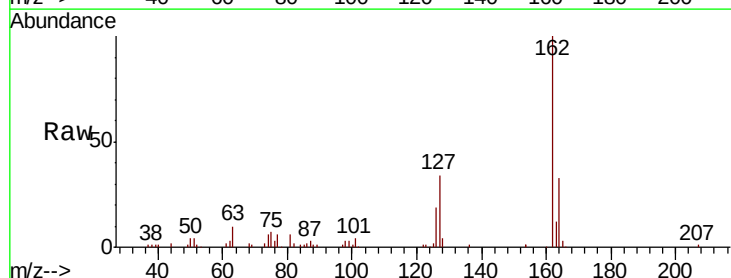
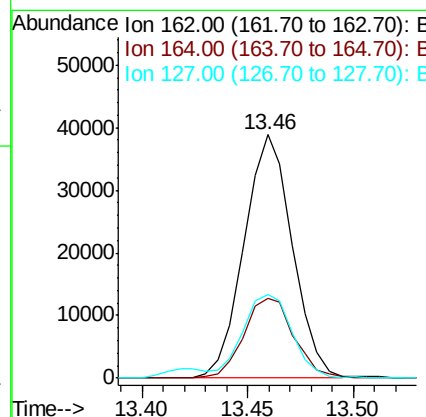
Manual Integrations  
 APPROVED

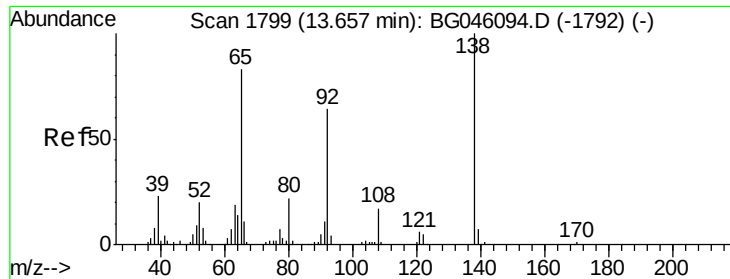
mohammad  
 7/29/2020 11:46:43 AM



#42  
 2-Chloronaphthalene  
 Concen: 3.476 ng/ul  
 RT: 13.46 min Scan# 1765  
 Delta R.T. -0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 61652 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 32.8  | 26.2  | 39.2  |
| 127       | 34.3  | 27.3  | 40.9  |





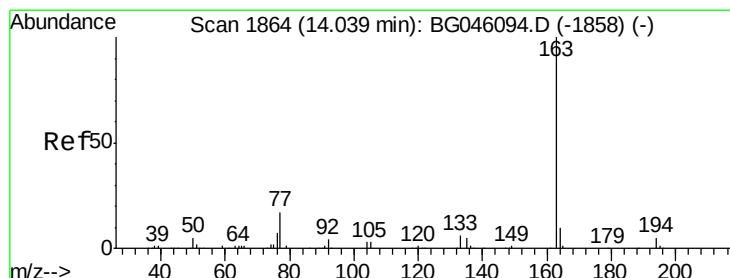
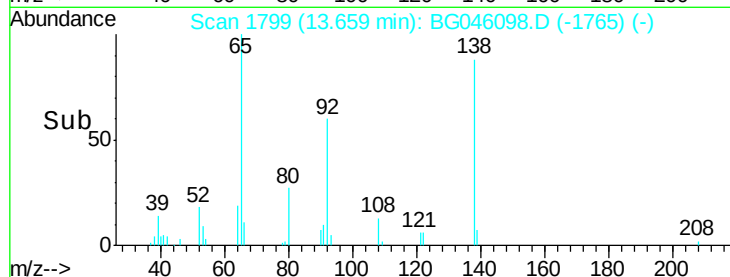
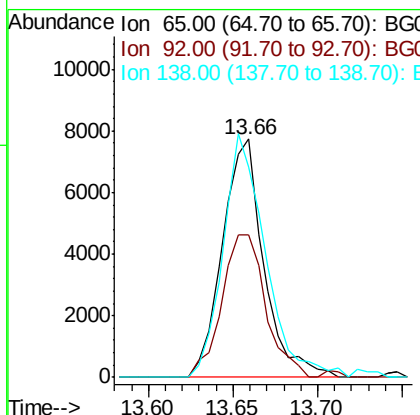
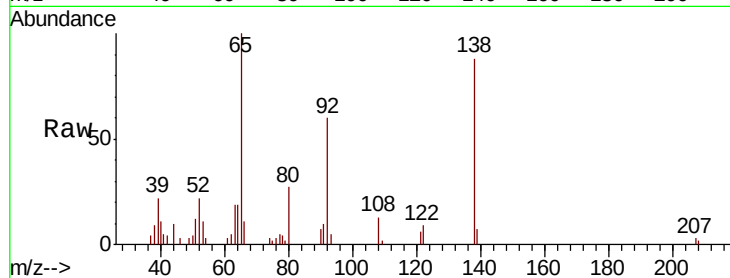
#43  
2-Nitroaniline  
Concen: 3.143 ng/ul  
RT: 13.66 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 65      | 100   |       |        |
| 92      | 59.7  | 58.0  | 87.0   |
| 138     | 88.5  | 92.9  | 139.3# |

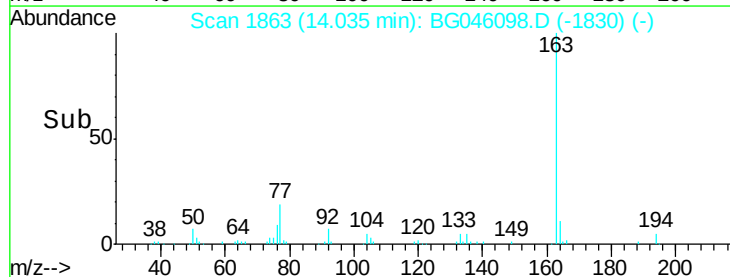
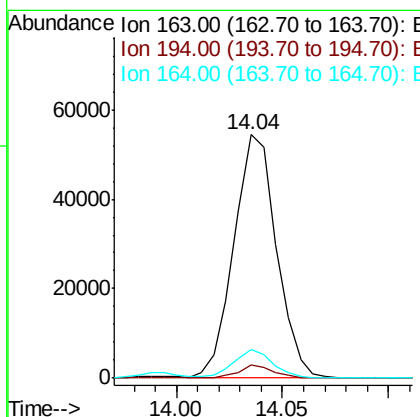
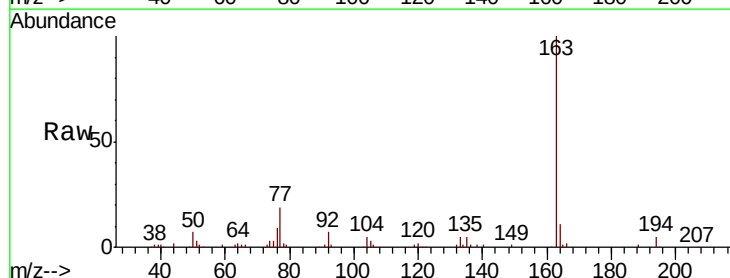
Manual Integrations  
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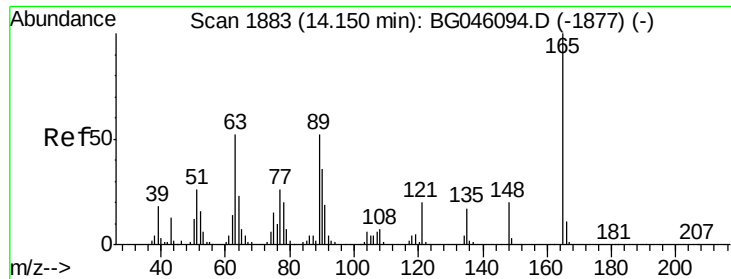
mohammad  
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#45  
Dimethylphthalate  
Concen: 3.391 ng/ul  
RT: 14.04 min Scan# 1863  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.3   | 3.4   | 5.0#  |
| 164     | 11.5  | 8.7   | 13.1  |





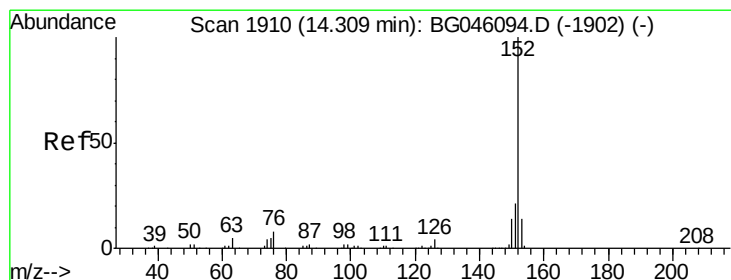
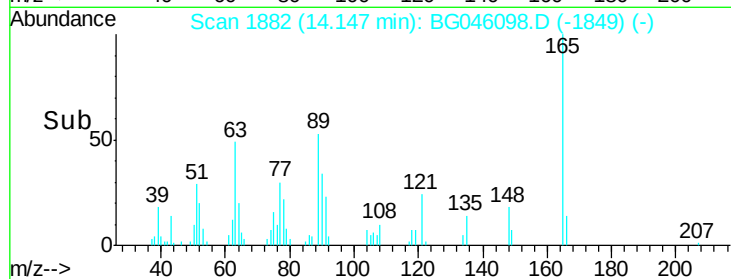
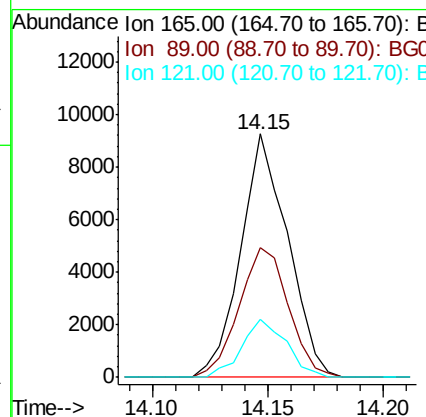
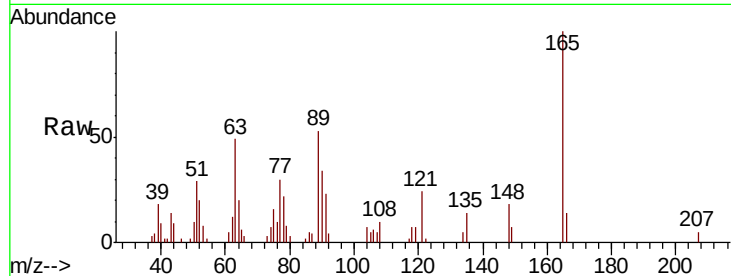
#46  
2,6-Dinitrotoluene  
Concen: 3.064 ng/ul  
RT: 14.15 min Scan# 1882  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 89      | 53.1  | 42.2  | 63.4  |
| 121     | 23.8  | 16.0  | 24.0  |

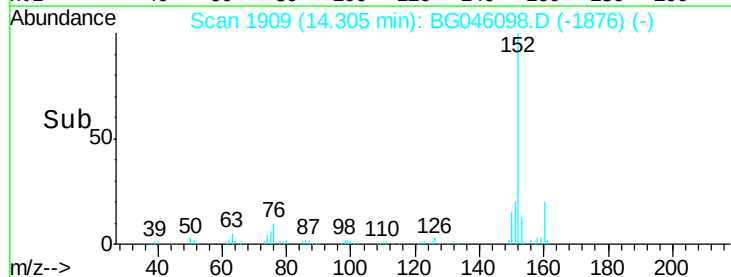
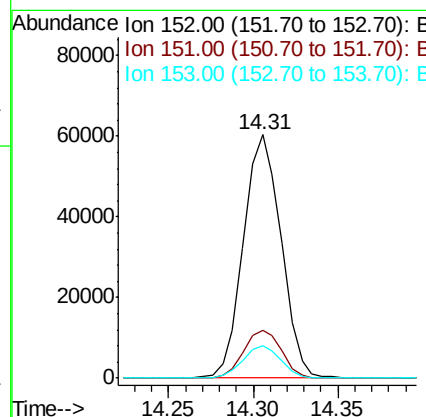
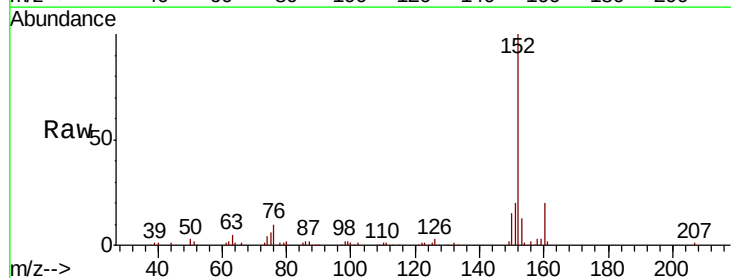
Manual Integrations  
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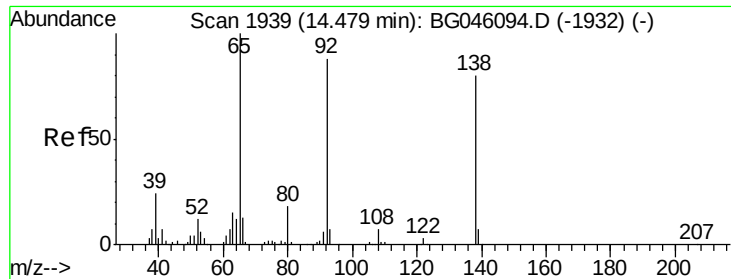
mohammad  
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#48  
Acenaphthylene  
Concen: 3.456 ng/ul  
RT: 14.31 min Scan# 1909  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.8  | 16.5  | 24.7  |
| 153     | 13.1  | 11.0  | 16.6  |





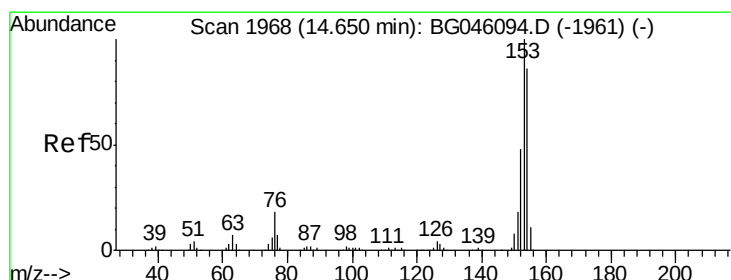
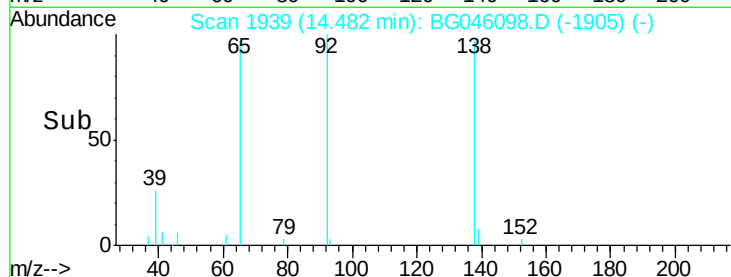
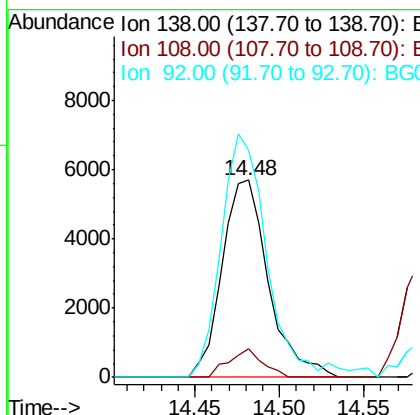
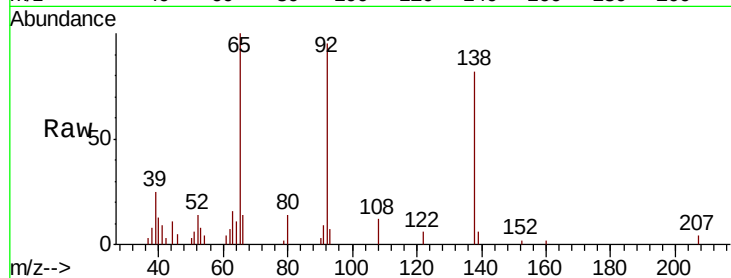
#49  
3-Nitroaniline  
Concen: 2.701 ng/ul  
RT: 14.48 min Scan# 1939  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 14.8  | 7.9   | 11.9# |
| 92      | 115.4 | 89.9  | 134.9 |

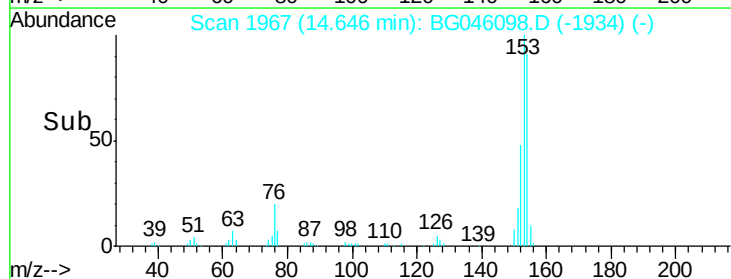
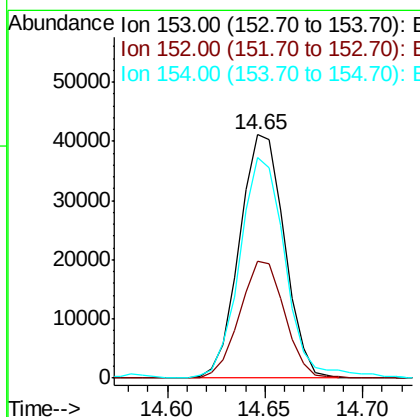
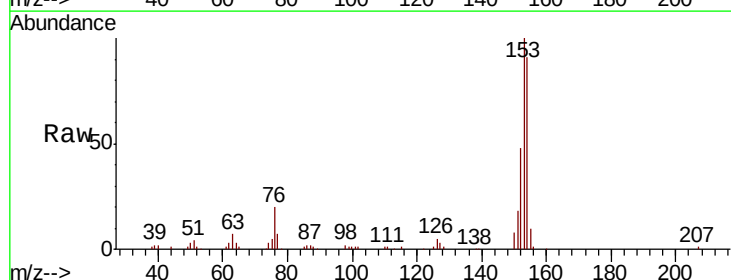
Manual Integrations  
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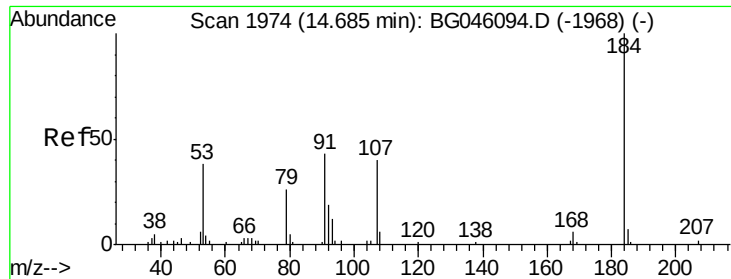
mohammad  
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#50  
Acenaphthene  
Concen: 3.343 ng/ul  
RT: 14.65 min Scan# 1967  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 47.9  | 39.0  | 58.4  |
| 154     | 90.6  | 70.7  | 106.1 |





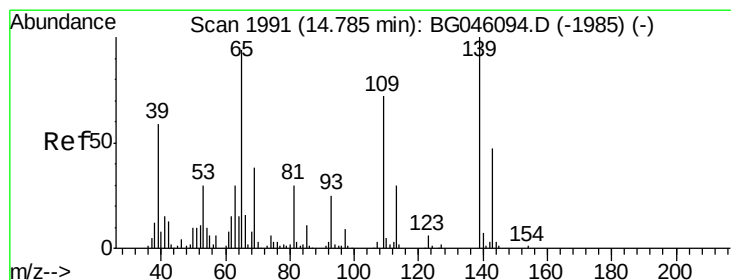
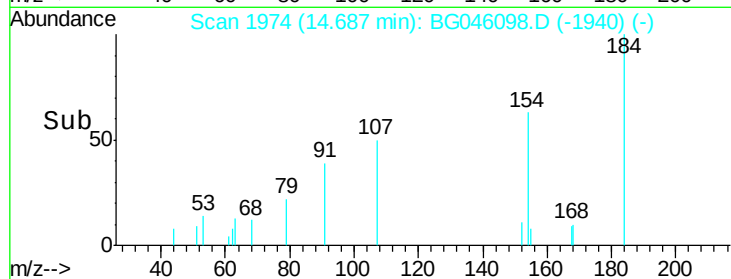
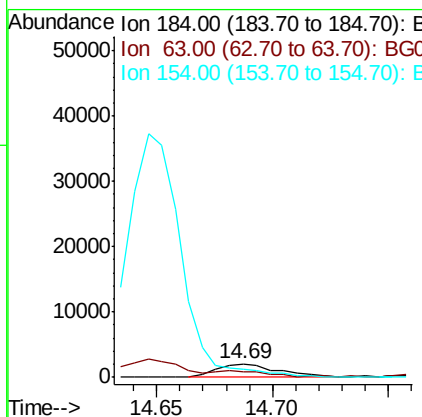
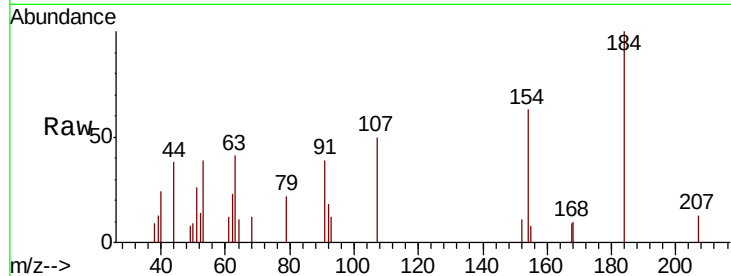
#51  
 2,4-Dinitrophenol  
 Concen: 2.030 ng/ul  
 RT: 14.69 min Scan# 1974  
 Delta R.T. 0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

Instrument :  
 BNA\_G  
 ClientSampleID :  
 MDL-SOIL-07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 40.7  | 35.7  | 53.5  |
| 154     | 63.1  | 47.5  | 71.3  |

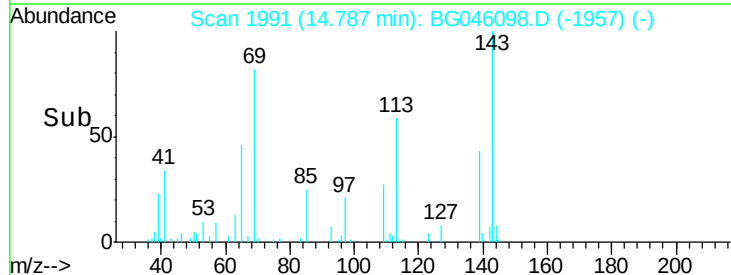
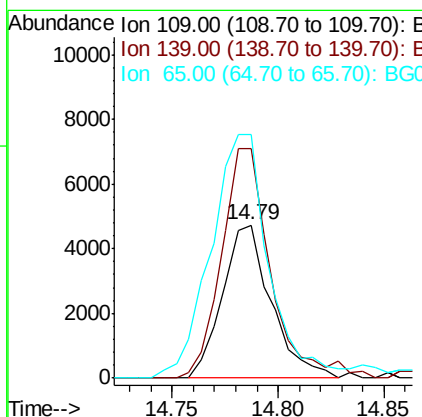
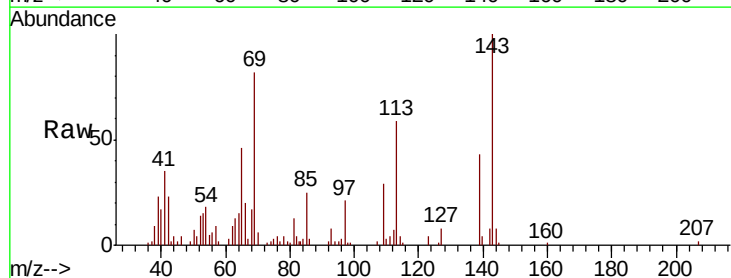
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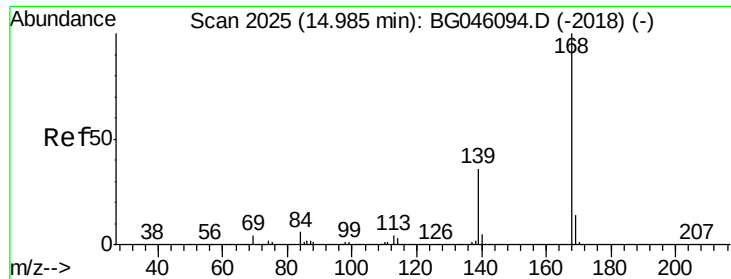
mohammad  
 7/29/2020 11:46:43 AM



#53  
 4-Nitrophenol  
 Concen: 2.879 ng/ul  
 RT: 14.79 min Scan# 1991  
 Delta R.T. 0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 109     | 100   |       |       |
| 139     | 150.3 | 120.2 | 180.2 |
| 65      | 158.8 | 99.6  | 149.4 |





#54

Dibenzofuran

Concen: 3.642 ng/ul

RT: 14.98 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-07

Tot Ion:168 Resp: 97298

Ion Ratio Lower Upper

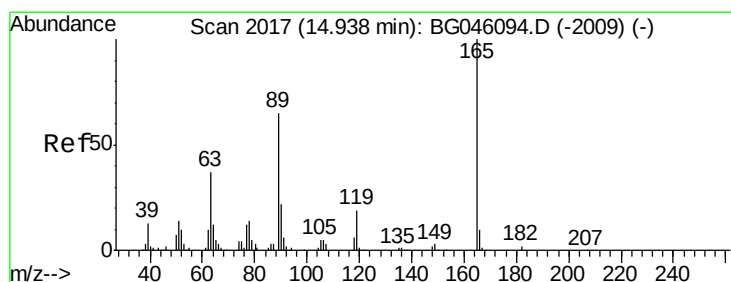
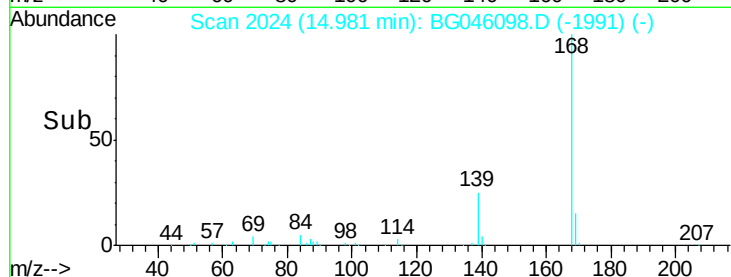
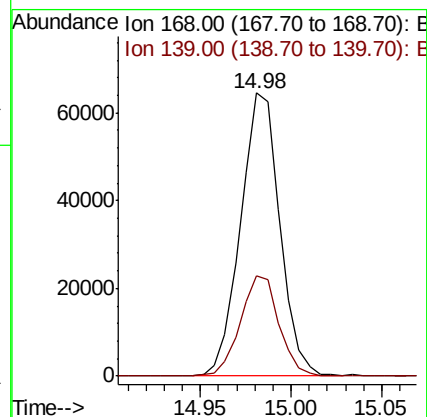
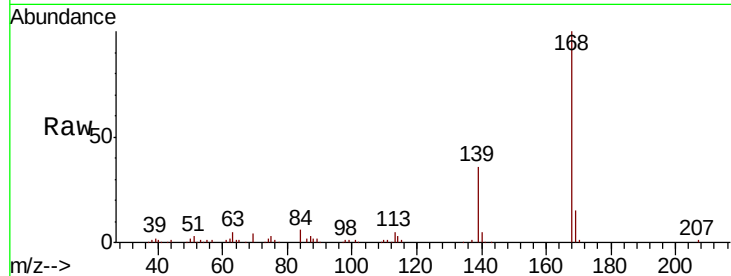
168 100

139 35.6 27.7 41.5

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#55

2,4-Dinitrotoluene

Concen: 3.196 ng/ul

RT: 14.93 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

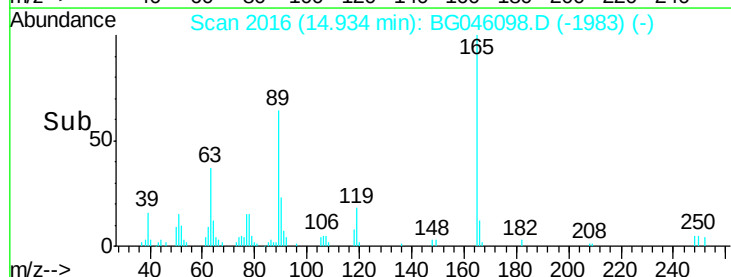
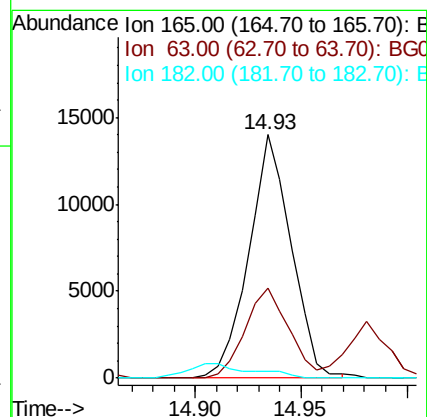
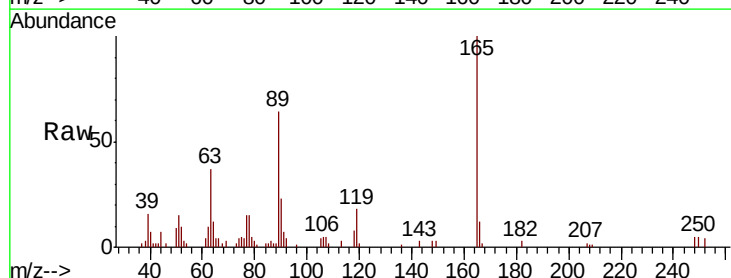
Tgt Ion:165 Resp: 19506

Ion Ratio Lower Upper

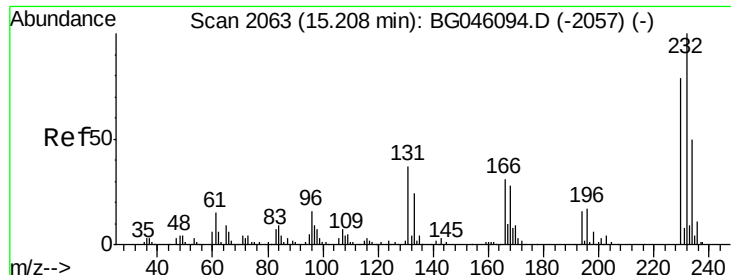
165 100

63 37.1 29.4 44.0

182 2.9 2.4 3.6







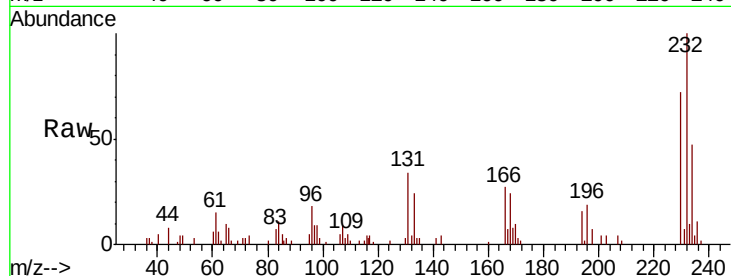
#56  
2,3,4,6-Tetrachlorophenol  
Concen: 3.072 ng/ul  
RT: 15.21 min Scan# 2063  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 232     | 100   | 18076 |       |       |
| 131     | 34.1  |       | 30.6  | 46.0  |
| 130     | 3.0   |       | 1.8   | 2.6   |
| 166     | 27.3  |       | 23.4  | 35.2  |

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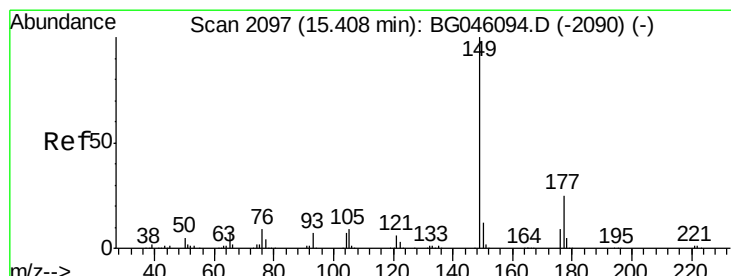
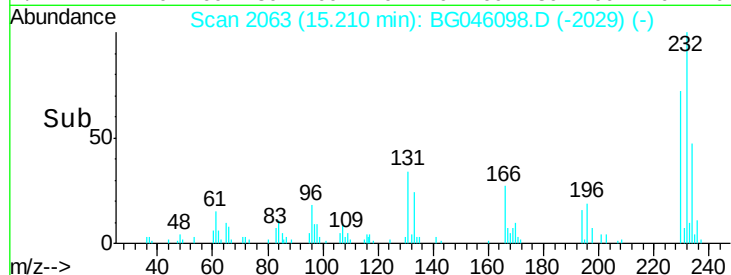
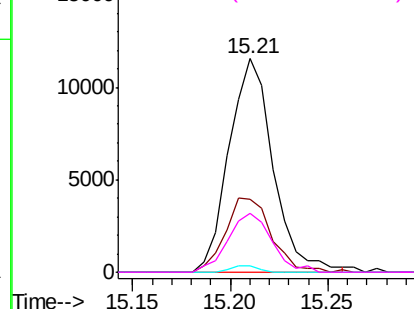
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#57  
Diethylphthalate  
Concen: 3.332 ng/ul  
RT: 15.40 min Scan# 2096  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

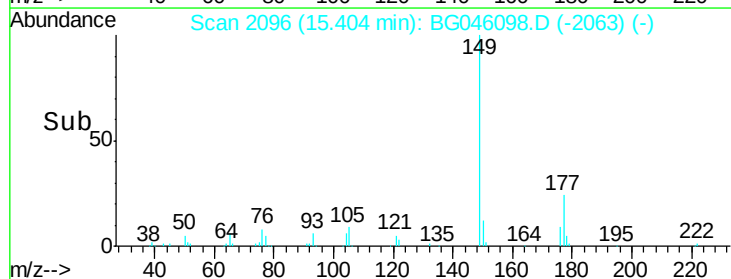
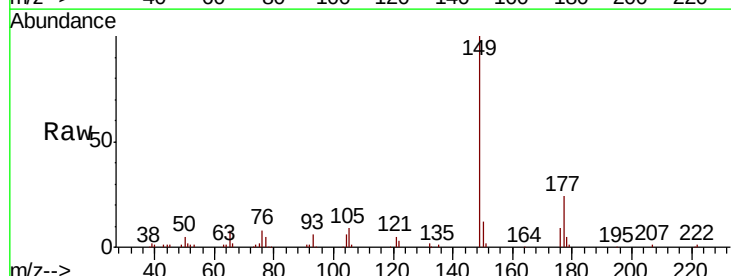
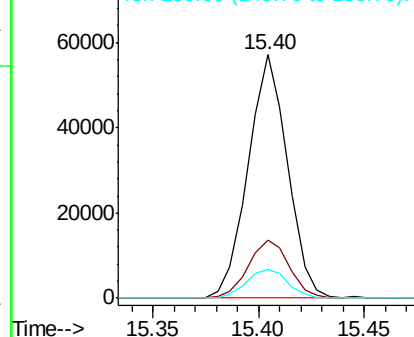
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 149     | 100   | 73952 |       |       |
| 177     | 23.6  |       | 19.0  | 28.6  |
| 150     | 11.6  |       | 9.6   | 14.4  |

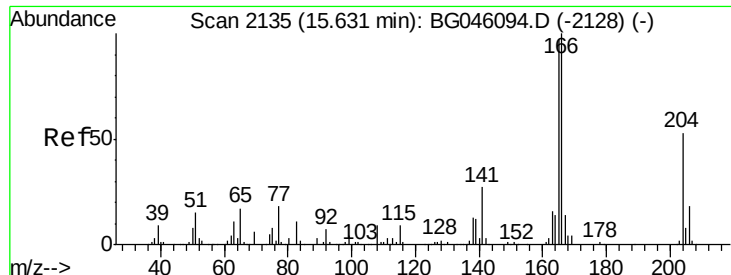
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#59

Fluorene

Concen: 3.499 ng/ul

RT: 15.63 min Scan# 2135

Delta R.T. 0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-07

Tot Ion:166 Resp: 79262

Ion Ratio Lower Upper

166 100

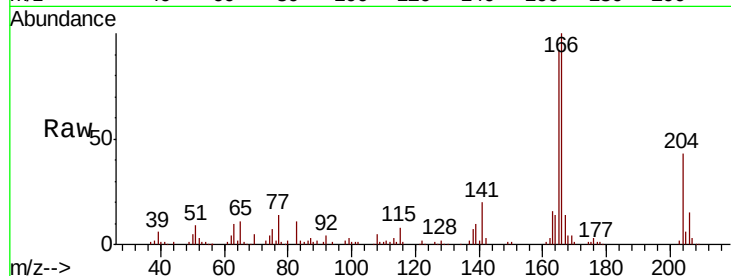
165 91.8 75.3 112.9

167 13.6 11.0 16.4

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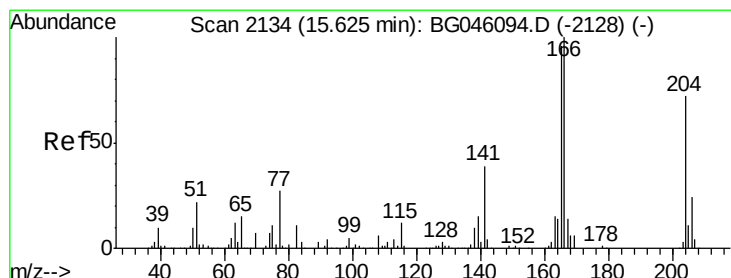
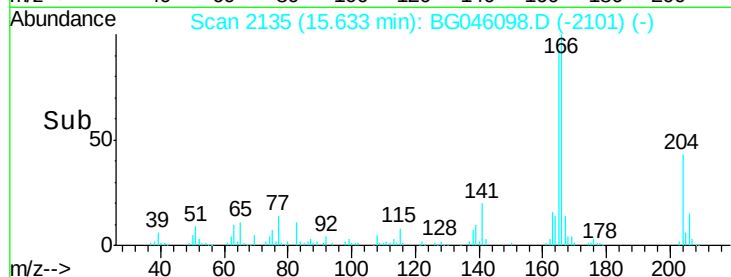
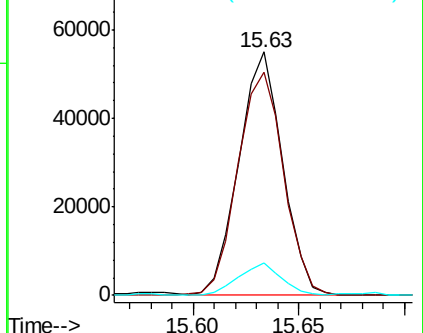
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

4-Chlorophenyl-phenylether

Concen: 3.406 ng/ul

RT: 15.63 min Scan# 2134

Delta R.T. 0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

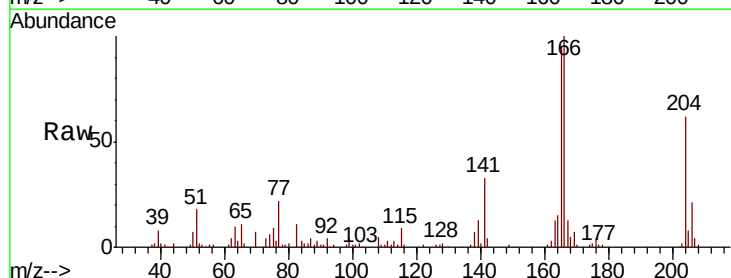
Tgt Ion:204 Resp: 40540

Ion Ratio Lower Upper

204 100

206 33.5 28.2 42.2

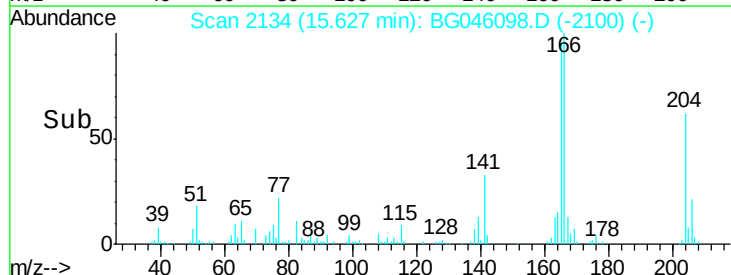
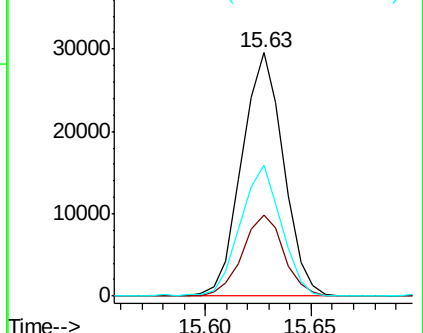
141 53.7 44.6 66.8

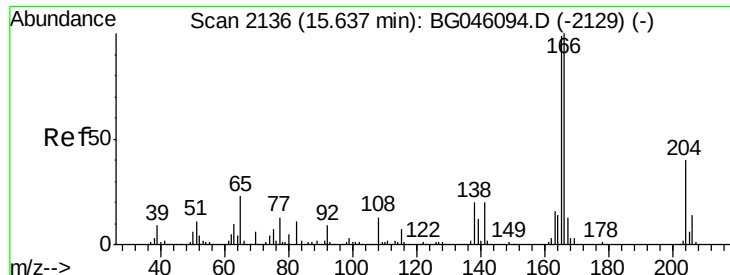


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





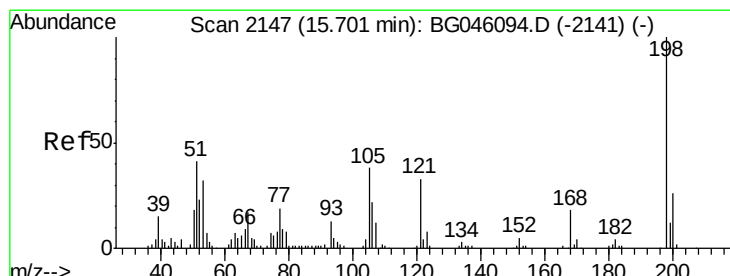
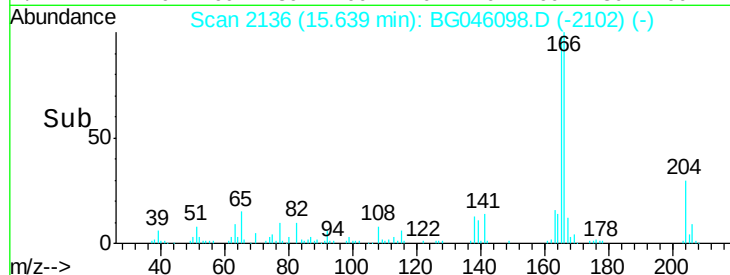
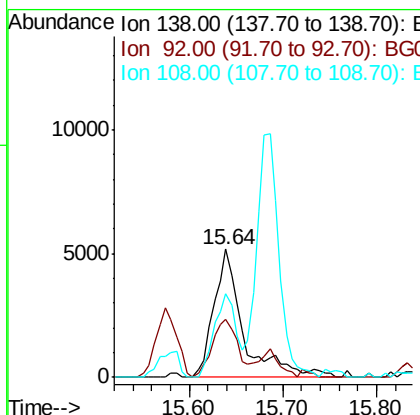
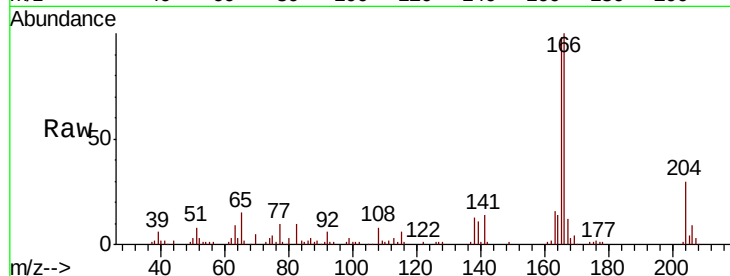
#61  
4-Nitroaniline  
Concen: 2.533 ng/ul m  
RT: 15.64 min Scan# 2136  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 138     | 100   | 11401 |       |       |
| 92      | 45.4  | 40.0  | 60.0  |       |
| 108     | 65.9  | 53.1  | 79.7  |       |

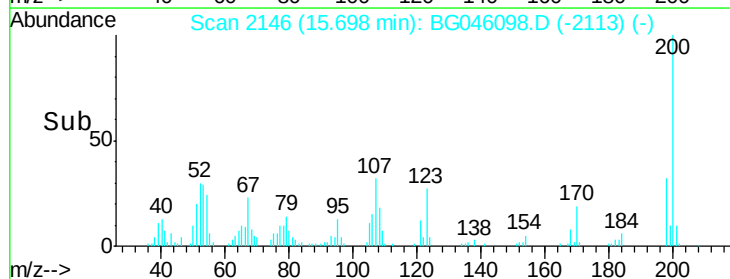
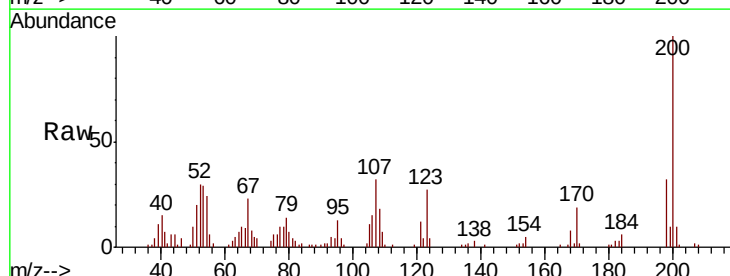
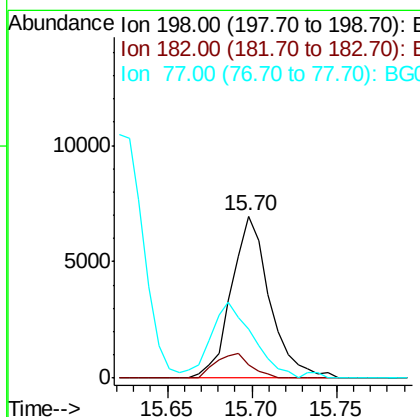
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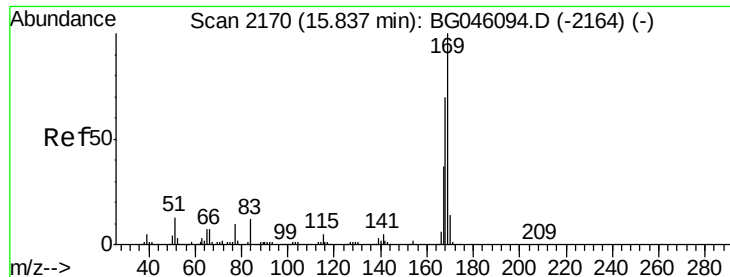
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 3.310 ng/ul  
RT: 15.70 min Scan# 2146  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 11012 |       |       |
| 182     | 8.4   | 3.3   | 4.9#  |       |
| 77      | 30.2  | 15.4  | 23.0# |       |





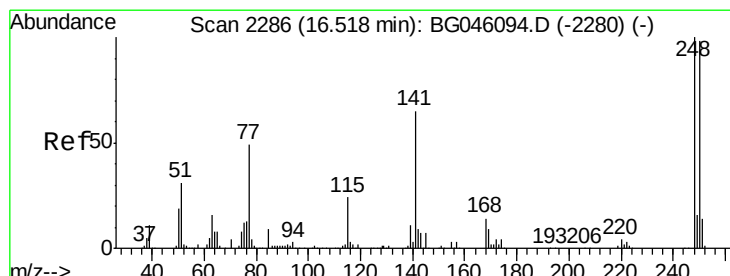
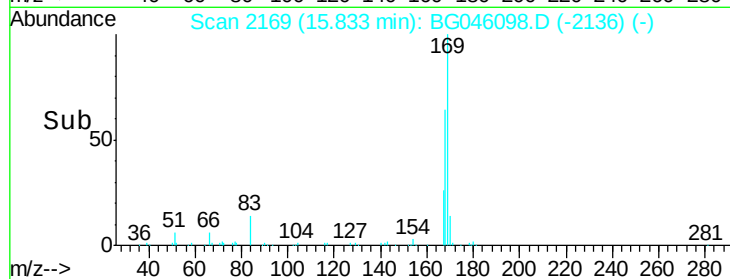
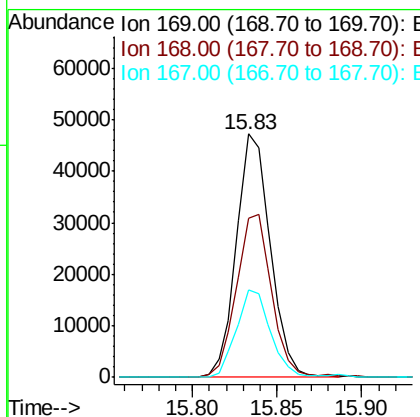
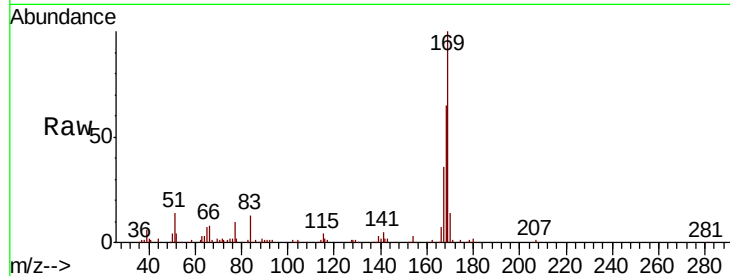
#65  
N-Nitrosodiphenylamine  
Concen: 3.648 ng/ul  
RT: 15.83 min Scan# 2169  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 65.3  | 55.8  | 83.8  |
| 167     | 35.8  | 30.1  | 45.1  |

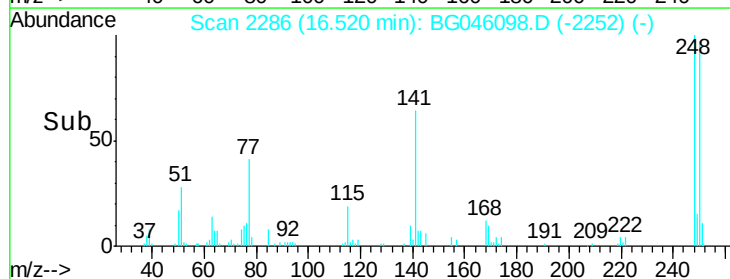
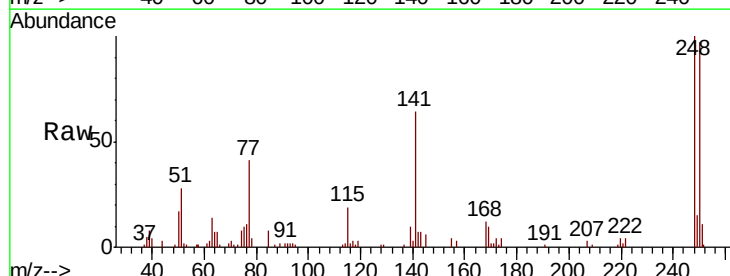
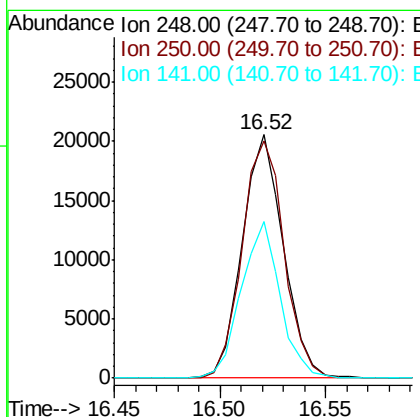
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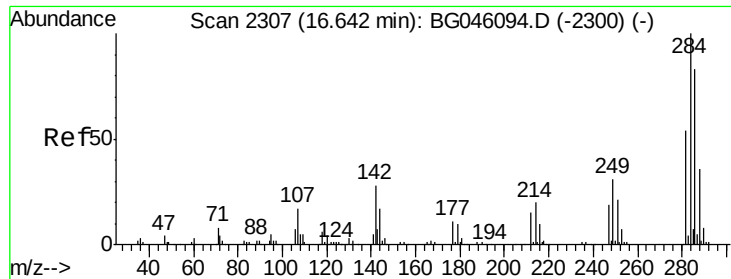
mohammad  
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#66  
4-Bromophenyl-phenylether  
Concen: 3.589 ng/ul  
RT: 16.52 min Scan# 2286  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.3  | 73.2  | 109.8 |
| 141     | 64.4  | 49.1  | 73.7  |





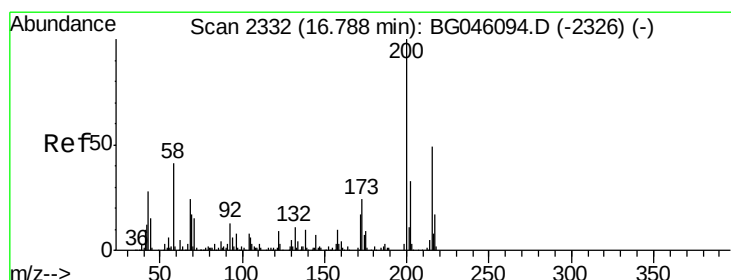
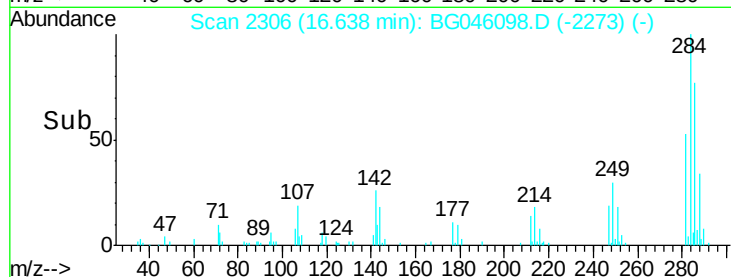
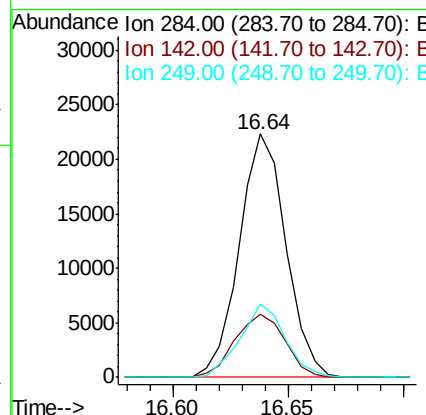
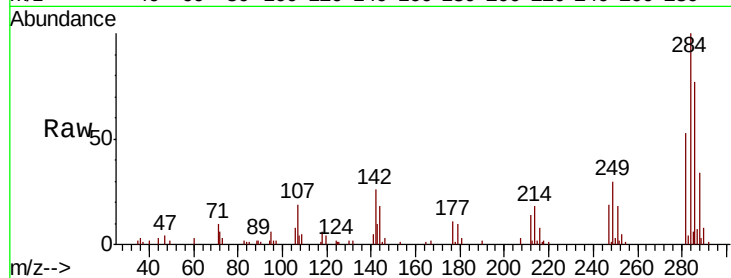
#67  
Hexachlorobenzene  
Concen: 3.585 ng/ul  
RT: 16.64 min Scan# 2306  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 284  | Resp: | 31387 |
| Ion Ratio |      | Lower | Upper |
| 284       | 100  |       |       |
| 142       | 26.1 | 21.8  | 32.6  |
| 249       | 30.2 | 24.8  | 37.2  |

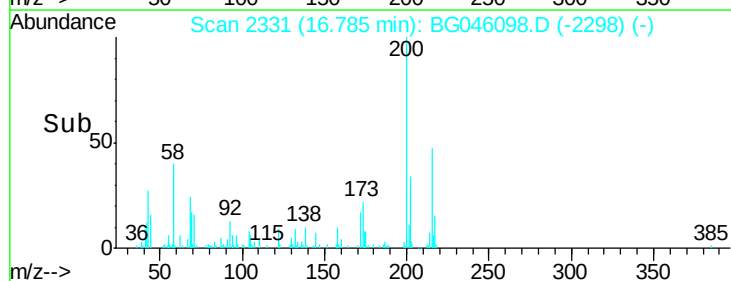
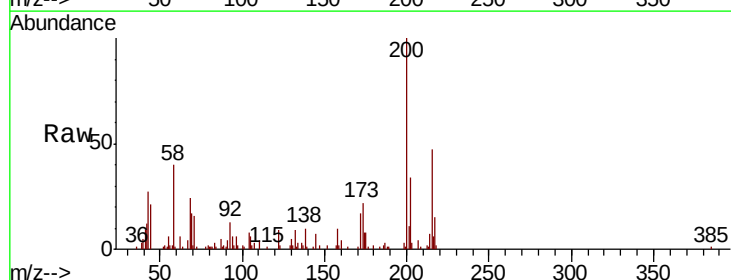
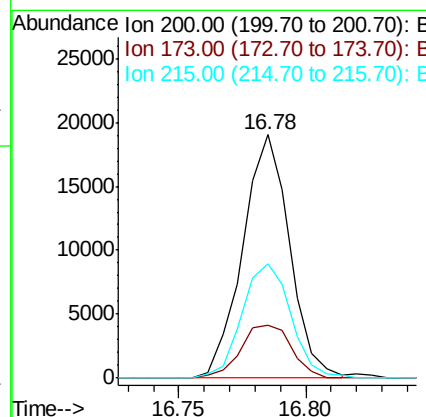
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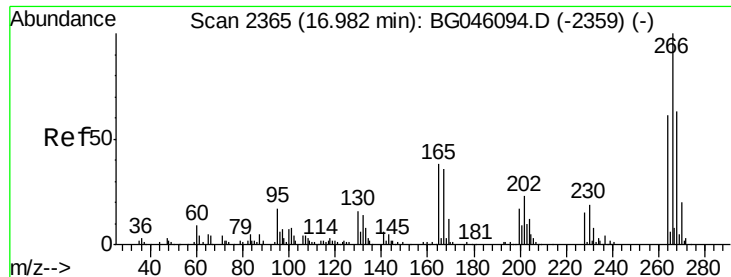
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#68  
Atrazine  
Concen: 3.377 ng/ul  
RT: 16.78 min Scan# 2331  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 200  | Resp: | 24503 |
| Ion Ratio |      | Lower | Upper |
| 200       | 100  |       |       |
| 173       | 21.8 | 19.0  | 28.6  |
| 215       | 47.1 | 42.6  | 63.8  |





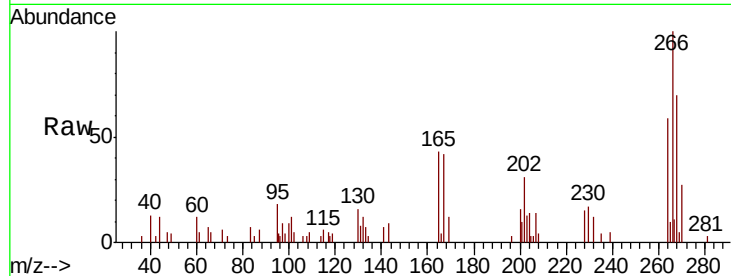
#69  
 Pentachlorophenol  
 Concen: 2.404 ng/ul m  
 RT: 16.98 min Scan# 2365  
 Delta R.T. 0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-07

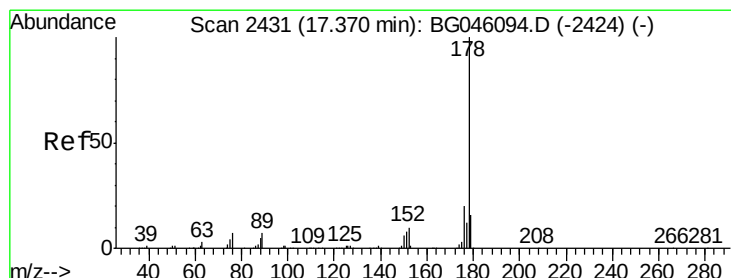
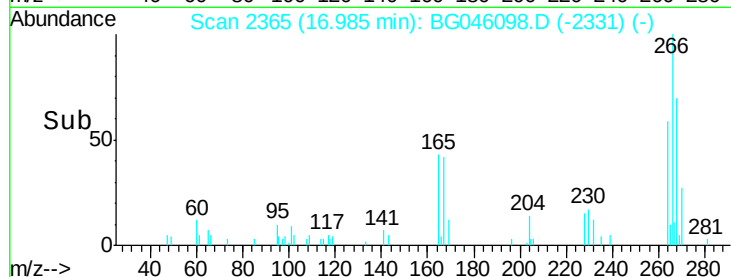
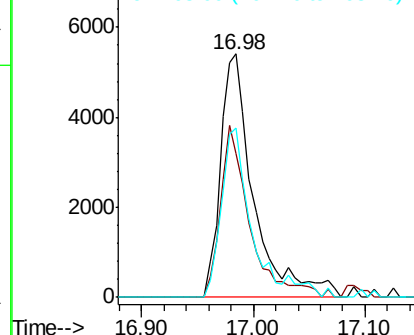
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 59.0  | 51.3  | 76.9  |
| 268     | 69.8  | 53.8  | 80.6  |

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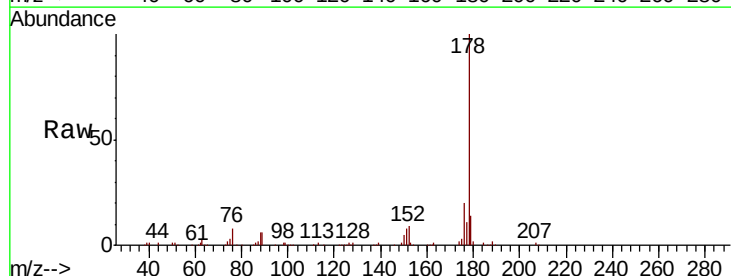


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

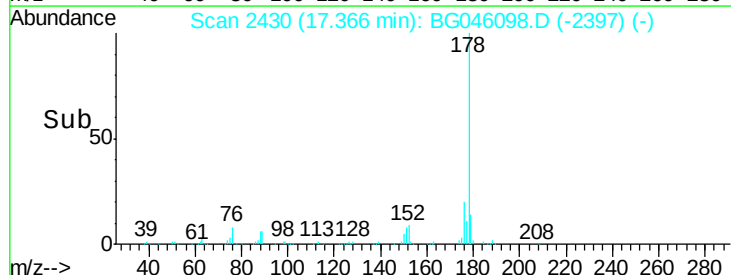
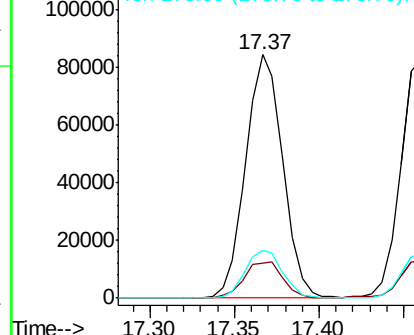


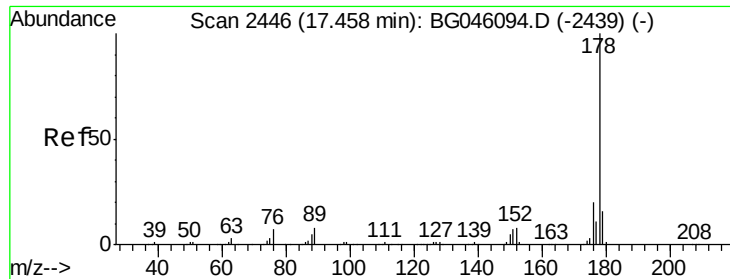
#70  
 Phenanthrene  
 Concen: 3.699 ng/ul  
 RT: 17.37 min Scan# 2430  
 Delta R.T. -0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 14.4  | 13.0  | 19.6  |
| 176     | 19.6  | 16.0  | 24.0  |



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.566 ng/uL

RT: 17.46 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

Instrument :

BNA\_G

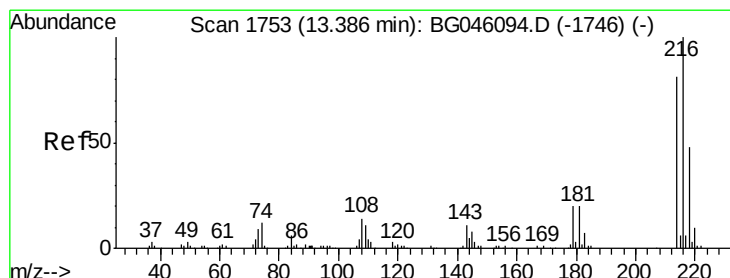
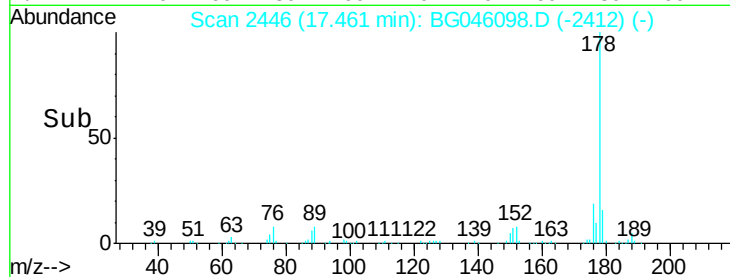
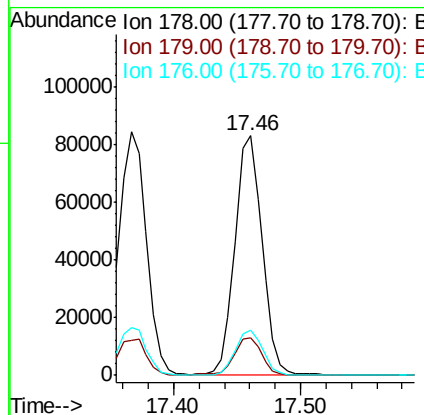
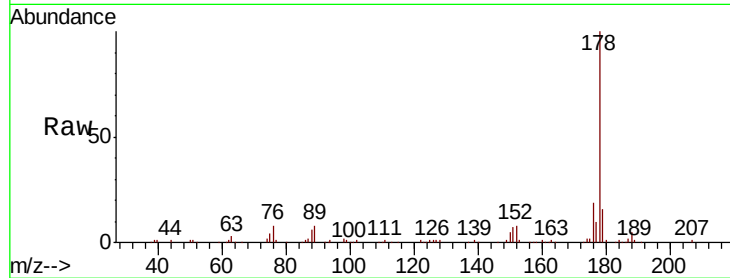
ClientSampleId :

MDL-SOIL-07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 123763 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.6  | 12.7  | 19.1   |
| 176       | 19.1  | 15.8  | 23.8   |

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#73

1,2,3,4-Tetrachlorobenzene

Concen: 4.006 ng/uL

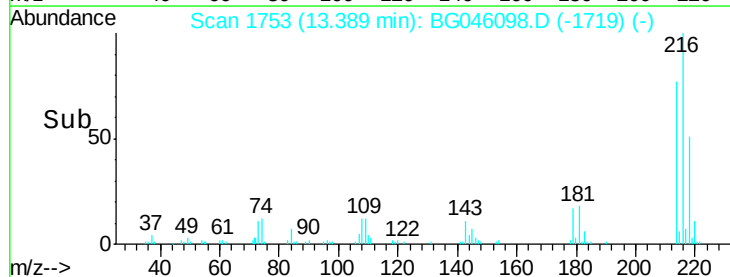
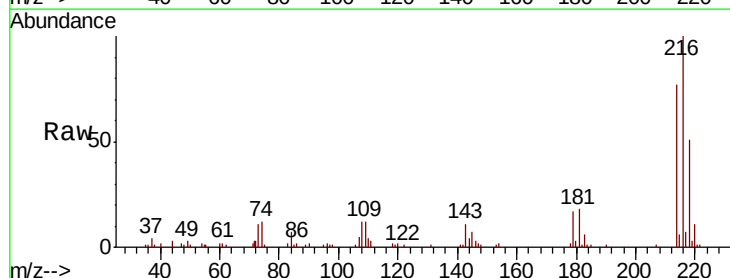
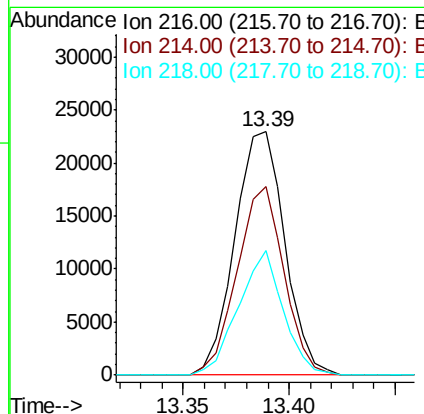
RT: 13.39 min Scan# 1753

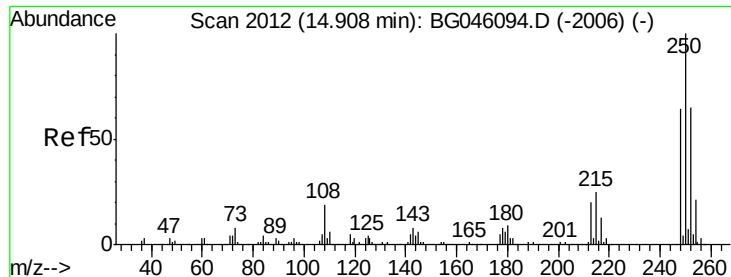
Delta R.T. 0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 37543 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 77.4  | 62.9  | 94.3  |
| 218       | 51.1  | 40.2  | 60.2  |





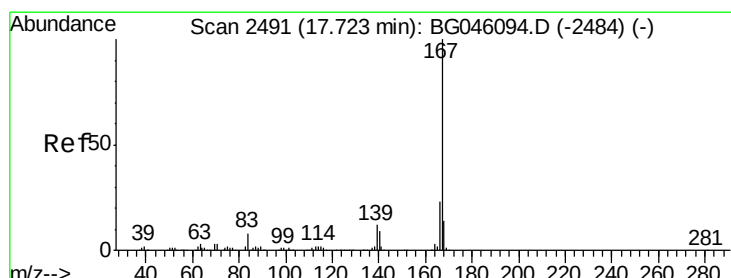
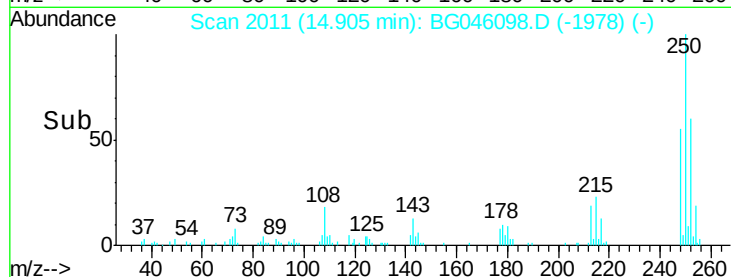
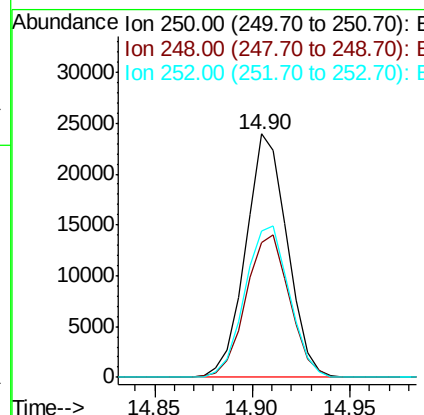
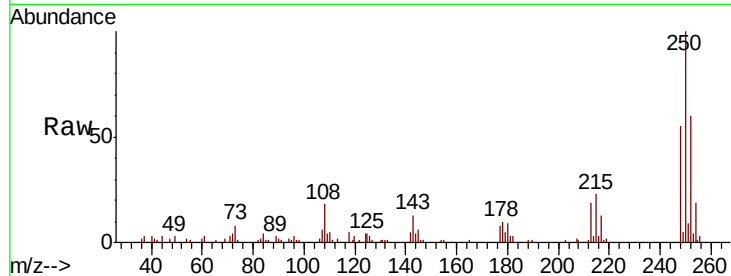
#74  
 Pentachlorobenzene  
 Concen: 3.722 ng/uL  
 RT: 14.90 min Scan# 2011  
 Delta R.T. -0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 250     | 100   |       |       |
| 248     | 55.4  | 49.1  | 73.7  |
| 252     | 59.9  | 51.4  | 77.2  |

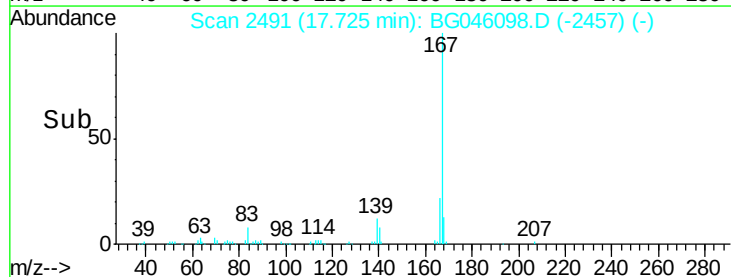
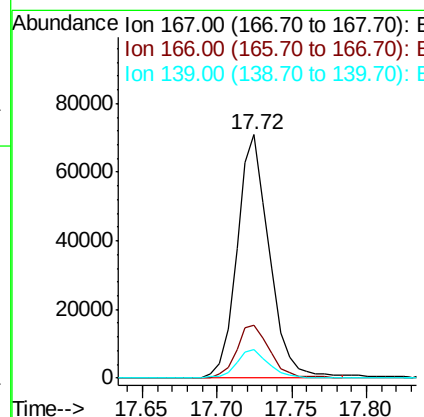
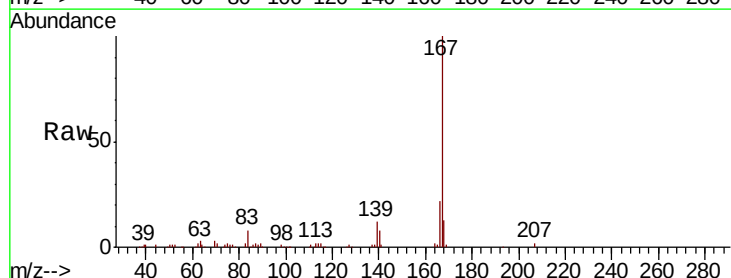
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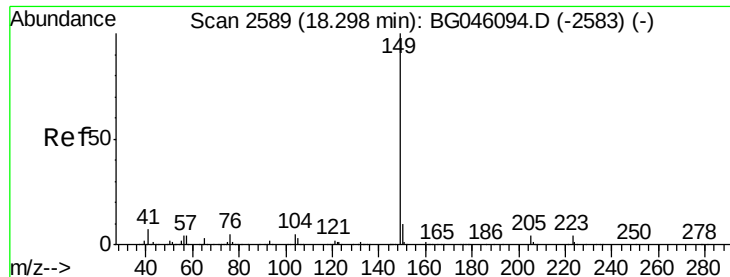


#75  
 Carbazole  
 Concen: 3.828 ng/uL  
 RT: 17.72 min Scan# 2491  
 Delta R.T. 0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.6  | 18.8  | 28.2  |
| 139     | 11.7  | 9.7   | 14.5  |







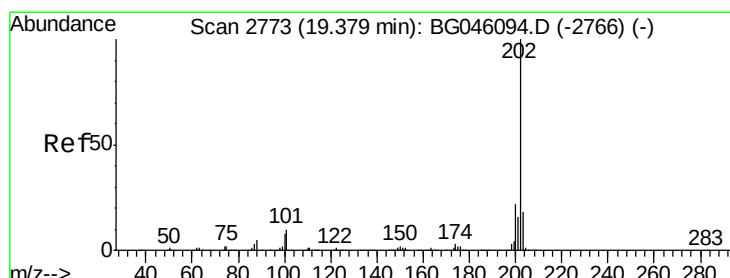
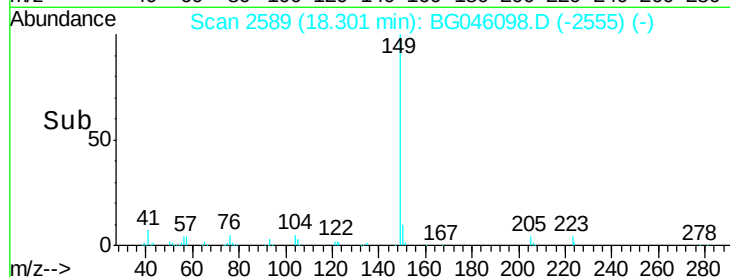
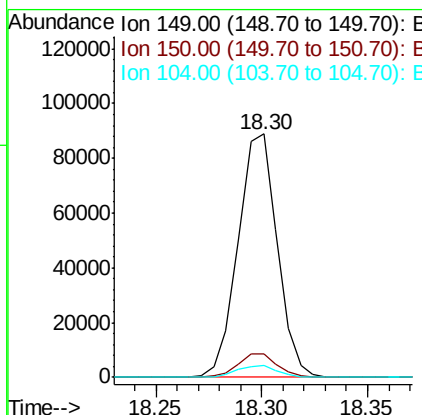
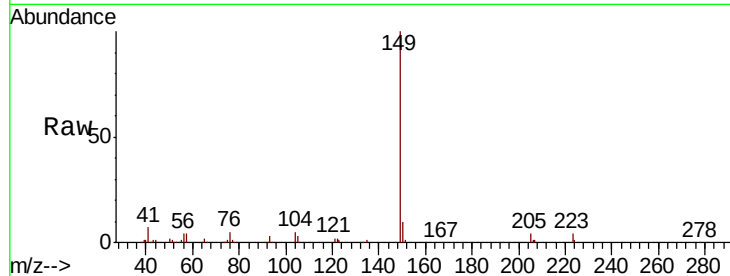
#76  
Di-n-butylphthalate  
Concen: 3.341 ng/ul  
RT: 18.30 min Scan# 2589  
Delta R.T. 0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 150     | 9.6   | 7.7  | 11.5  |       |
| 104     | 4.7   | 4.1  | 6.1   |       |

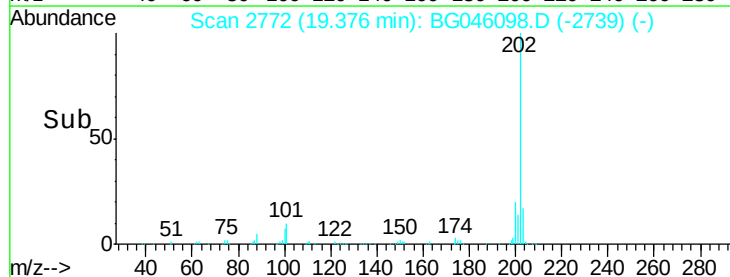
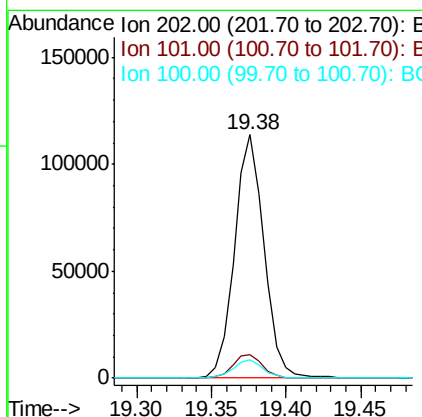
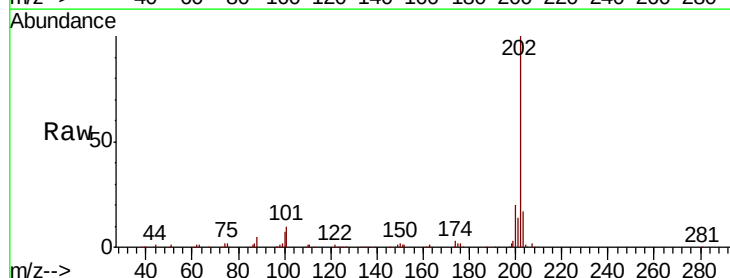
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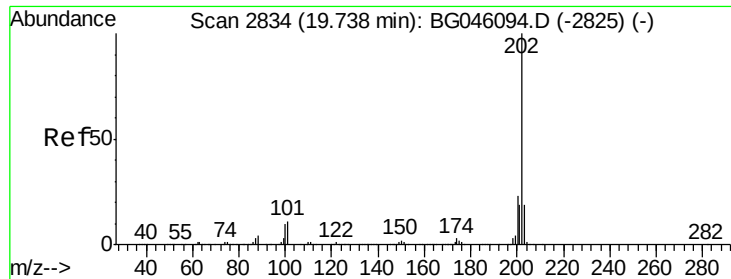
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#77  
Fluoranthene  
Concen: 4.105 ng/ul  
RT: 19.38 min Scan# 2772  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 101     | 9.7   | 7.8  | 11.6  |       |
| 100     | 7.4   | 6.5  | 9.7   |       |





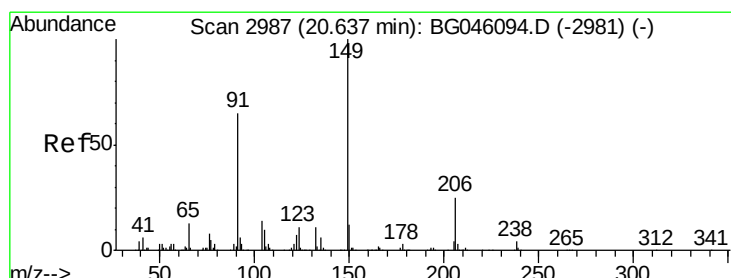
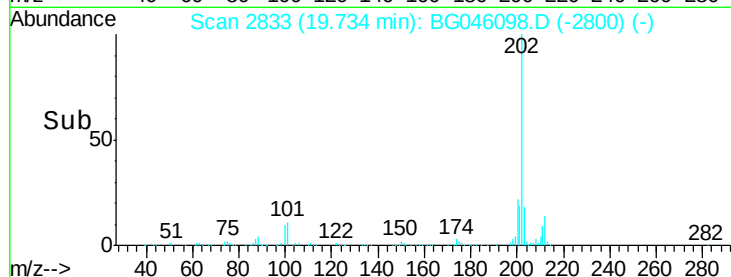
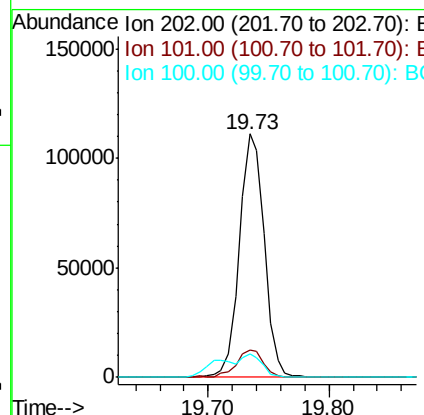
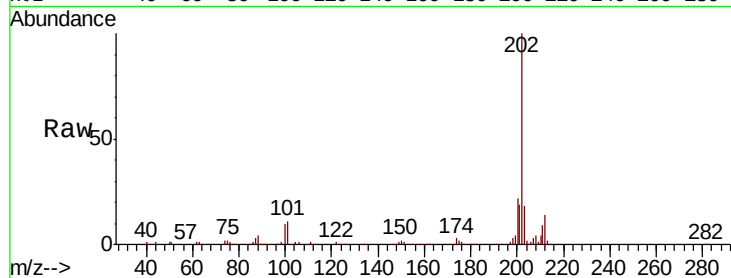
#80  
Pvrene  
Concen: 3.702 ng/ul  
RT: 19.73 min Scan# 2833  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 11.0  | 9.0        | 13.4  |
| 100     | 9.7   | 7.6        | 11.4  |

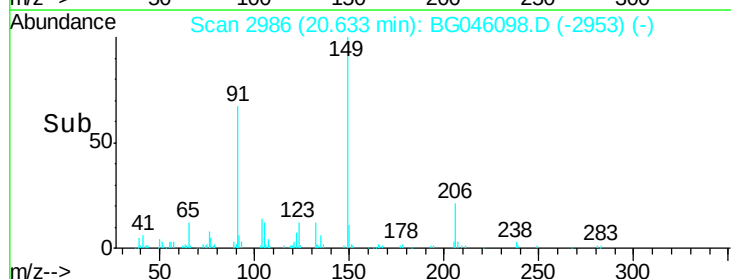
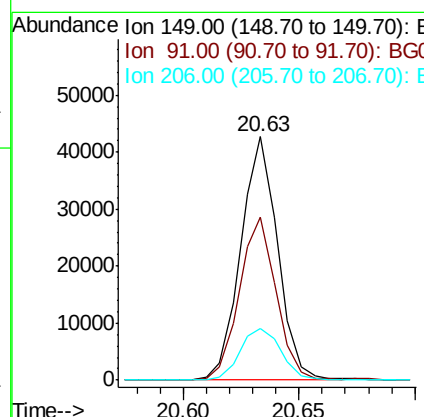
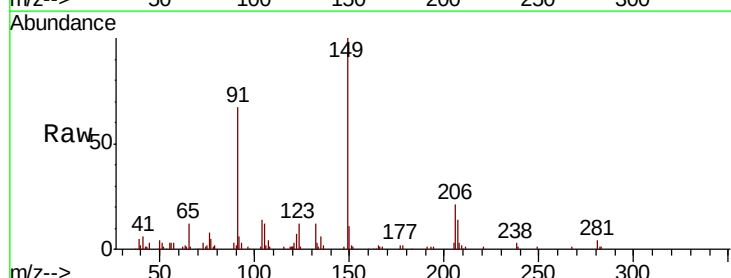
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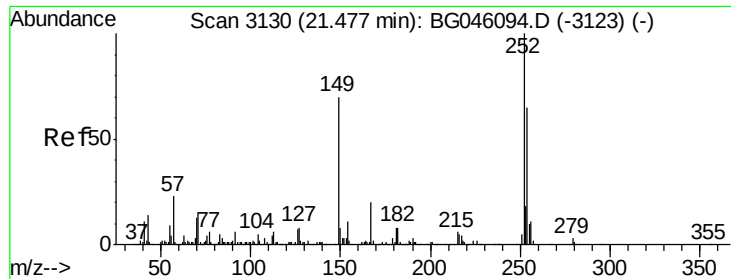
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#81  
Butylbenzylphthalate  
Concen: 3.197 ng/ul  
RT: 20.63 min Scan# 2986  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 91      | 67.1  | 55.1       | 82.7  |
| 206     | 21.4  | 19.8       | 29.8  |





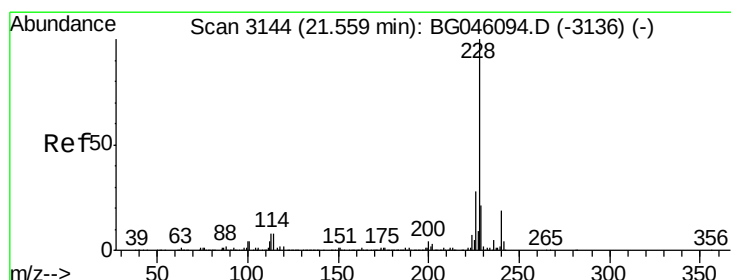
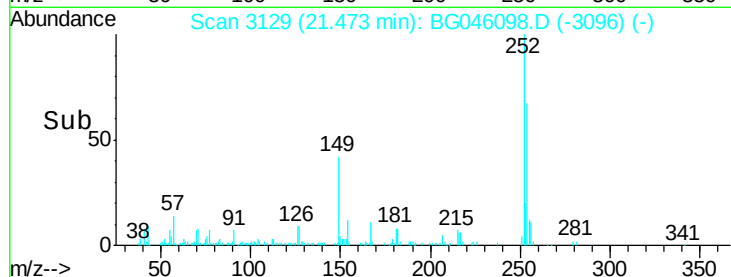
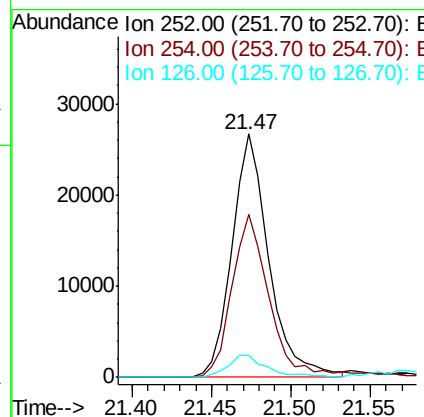
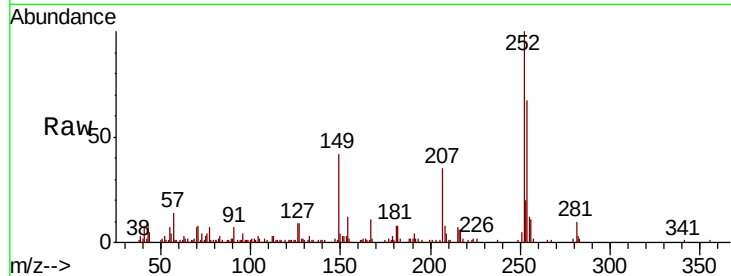
#82  
 3,3'-Dichlorobenzidine  
 Concen: 3.140 ng/ul  
 RT: 21.47 min Scan# 3129  
 Delta R.T. -0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 66.7  | 51.7  | 77.5  |
| 126     | 9.3   | 7.0   | 10.4  |

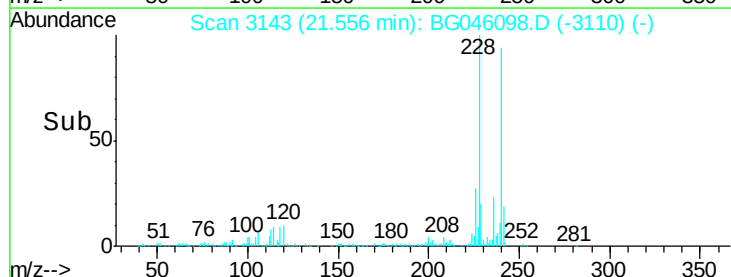
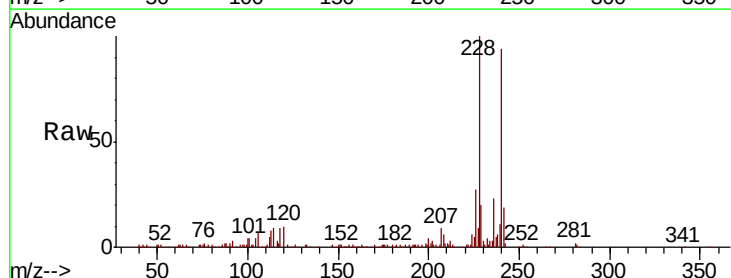
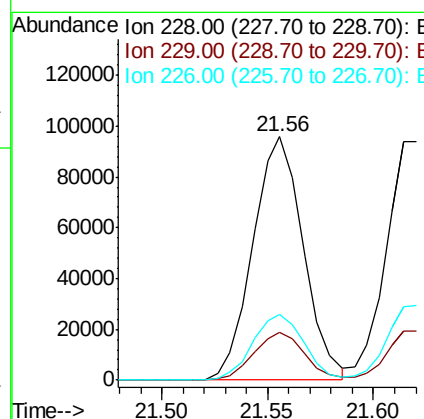
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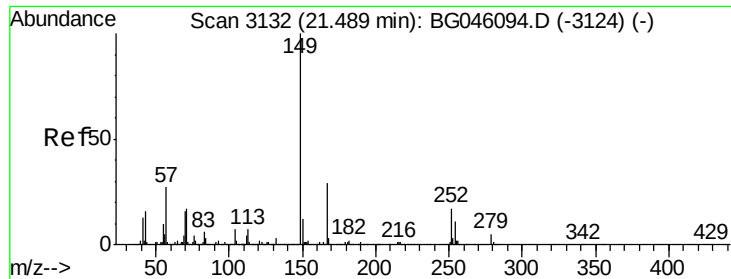
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#83  
 Benzo(a)anthracene  
 Concen: 3.762 ng/ul  
 RT: 21.56 min Scan# 3143  
 Delta R.T. -0.00 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 19.9  | 16.2  | 24.4  |
| 226     | 27.1  | 22.6  | 33.8  |





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.163 ng/ul

RT: 21.49 min Scan# 3132

Delta R.T. 0.00 min

Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

Instrument :

BNA\_G

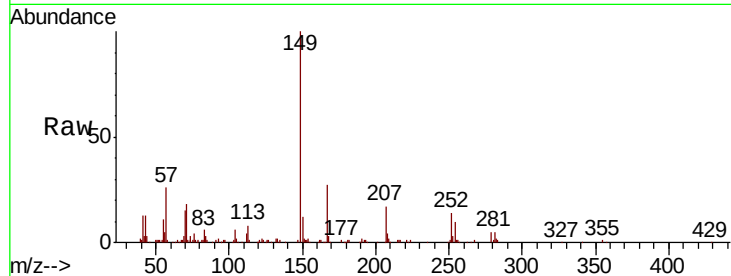
ClientSampleId :

MDL-SOIL-07

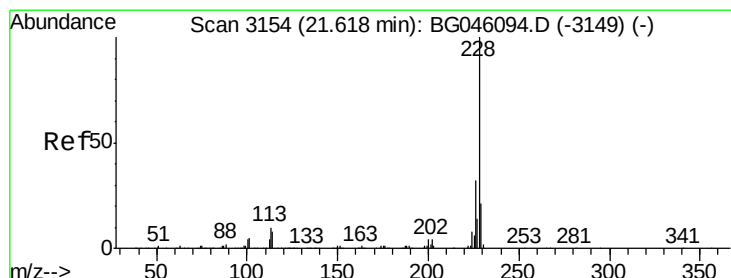
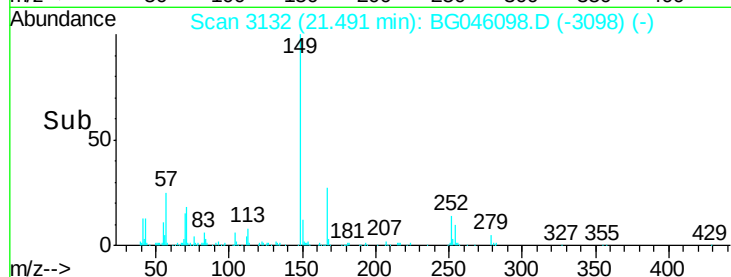
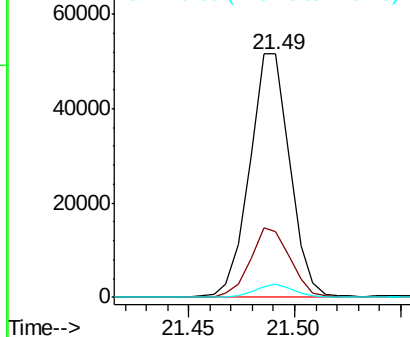
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 68370 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 27.2  | 24.6  | 37.0  |
| 279       | 5.4   | 4.1   | 6.1   |

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 3.732 ng/ul

RT: 21.62 min Scan# 3154

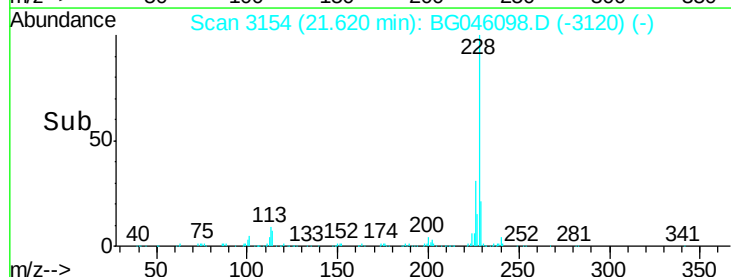
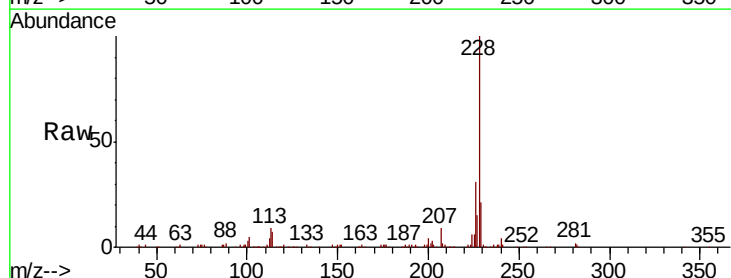
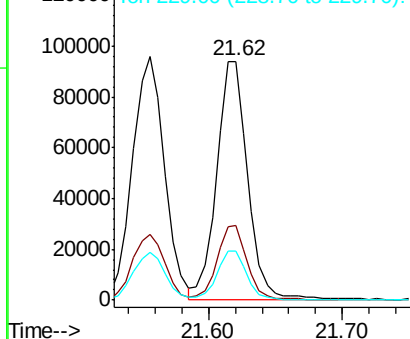
Delta R.T. 0.00 min

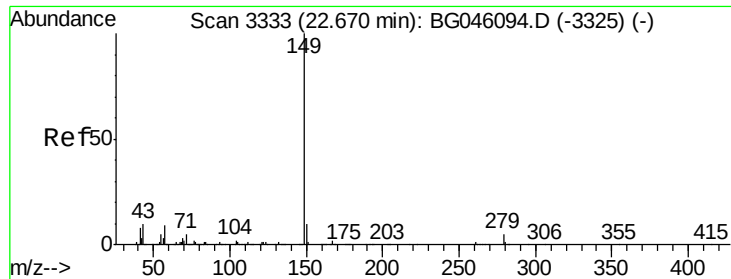
Lab File: BG046098.D

Acq: 28 Jul 2020 11:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 152947 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 31.3  | 25.3  | 37.9   |
| 229       | 20.6  | 16.9  | 25.3   |

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





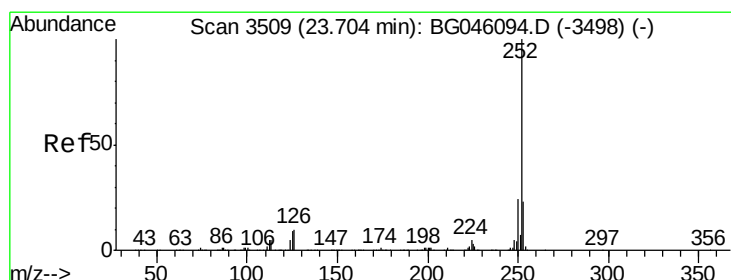
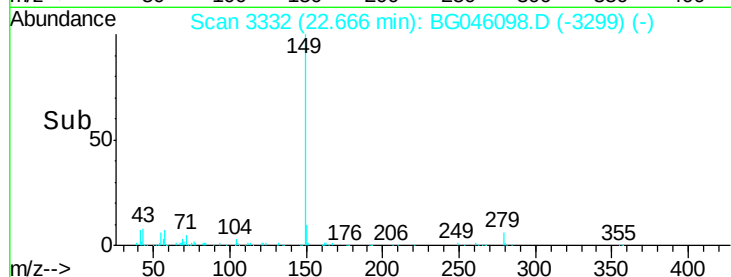
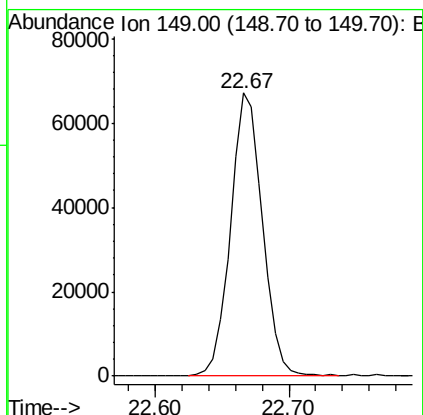
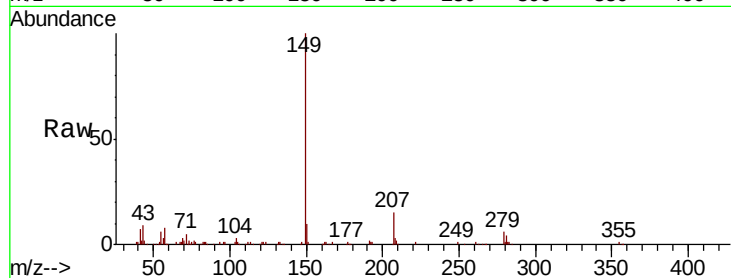
#87  
Di-n-octyl phthalate  
Concen: 2.988 ng/ul  
RT: 22.67 min Scan# 3332  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

Tgt Ion:149 Resp: 110735

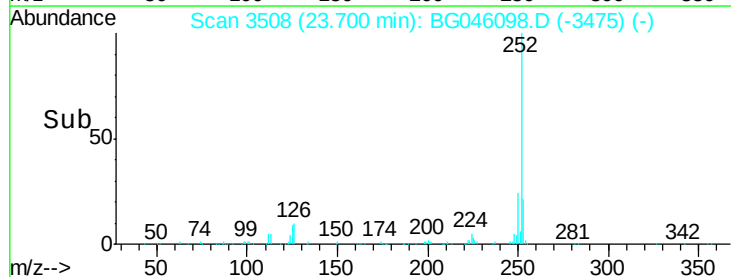
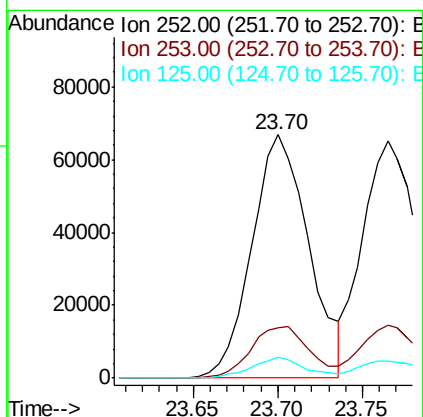
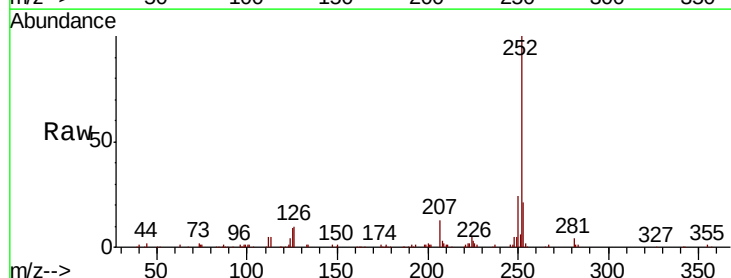
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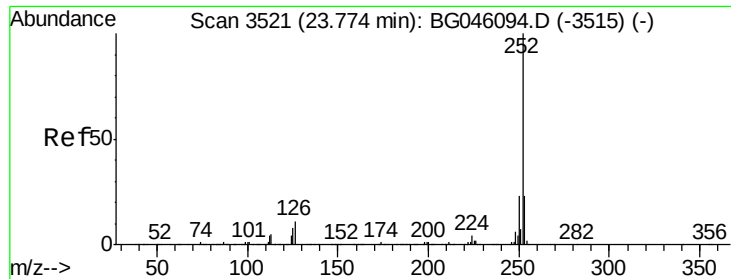
mohammad  
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#88  
Benzo(b)fluoranthene  
Concen: 3.274 ng/ul  
RT: 23.70 min Scan# 3508  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Tgt Ion:252 Resp: 156857  
Ion Ratio Lower Upper  
252 100  
253 20.8 18.0 27.0  
125 8.5 6.3 9.5





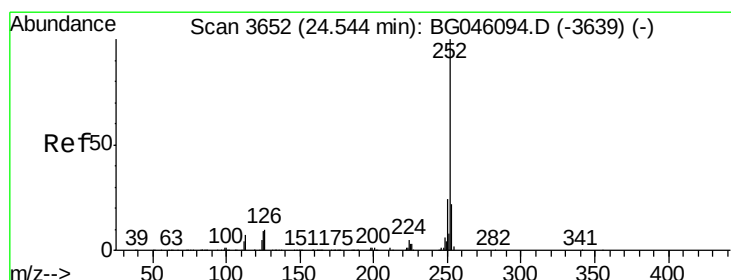
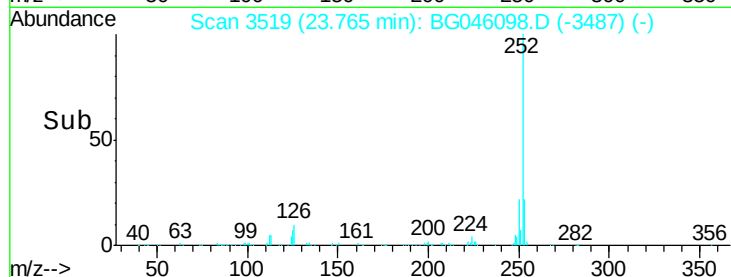
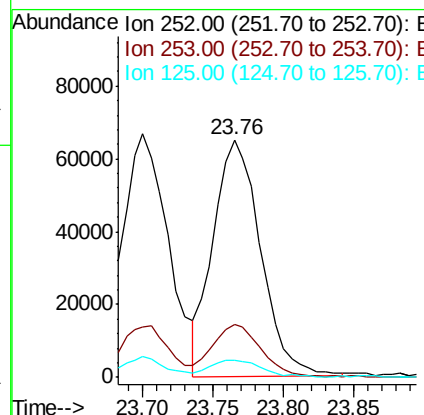
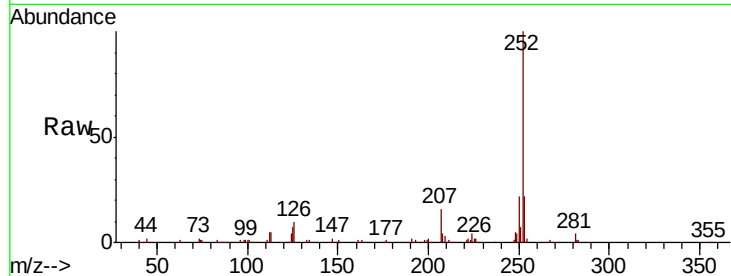
#89  
Benzo(k)fluoranthene  
Concen: 3.245 ng/ul  
RT: 23.76 min Scan# 3519  
Delta R.T. -0.01 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 18.8  | 28.2  |
| 125     | 7.0   | 6.7   | 10.1  |

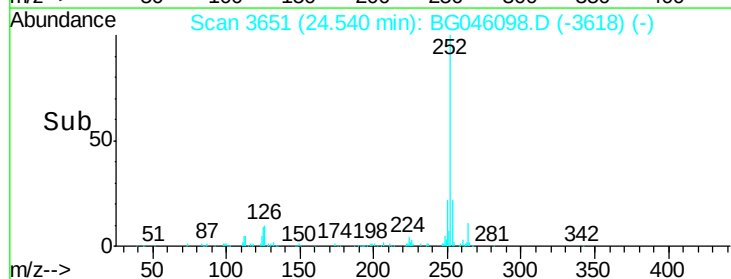
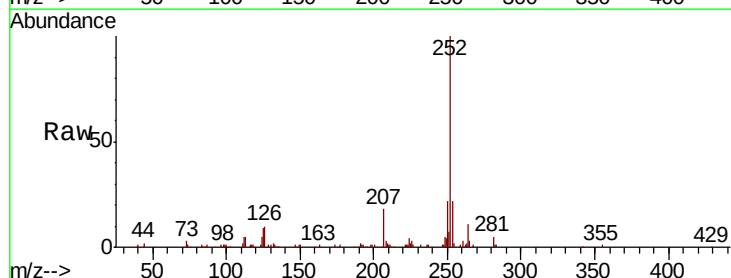
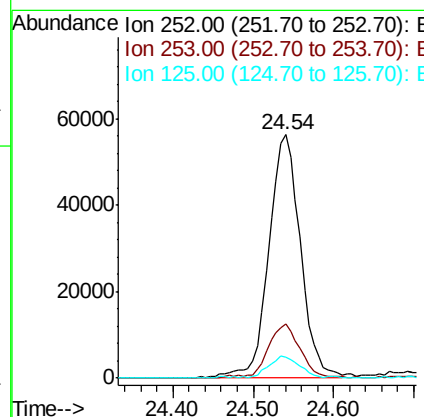
Manual Integrations  
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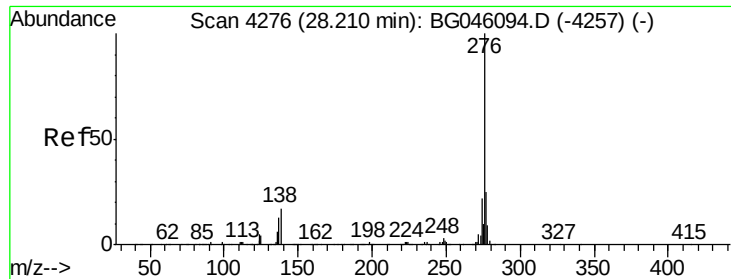
mohammad  
7/29/2020 11:46:43 AM



#91  
Benzo(a)pyrene  
Concen: 3.494 ng/ul m  
RT: 24.54 min Scan# 3651  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.6  | 26.4  |
| 125     | 8.5   | 7.4   | 11.2  |





#92

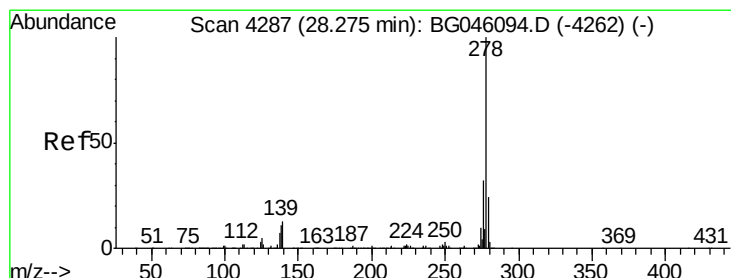
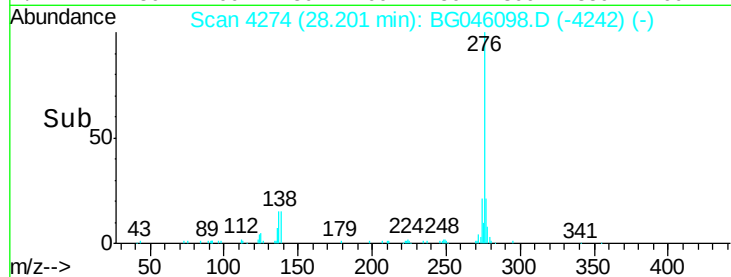
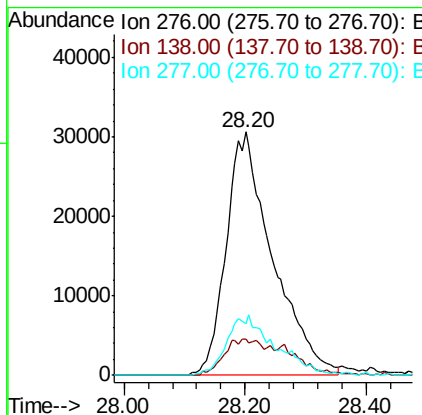
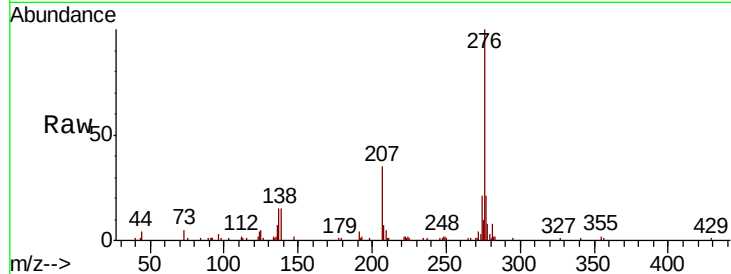
Indeno(1,2,3-cd)pyrene  
Concen: 2.976 ng/ul  
RT: 28.20 min Scan# 4274  
Delta R.T. -0.01 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 15.0  | 12.6  | 18.8  |
| 277     | 21.4  | 18.5  | 27.7  |

Manual Integrations  
APPROVED

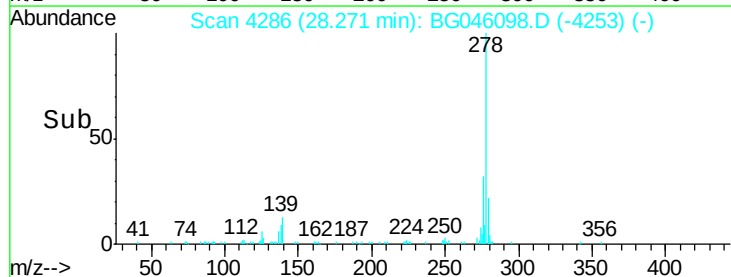
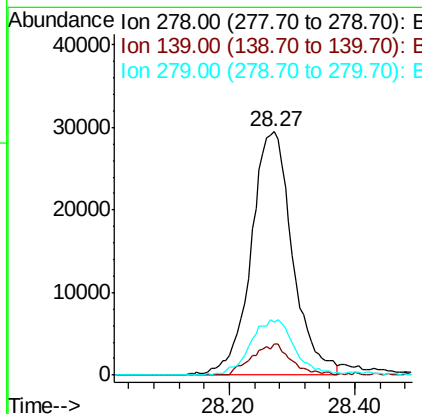
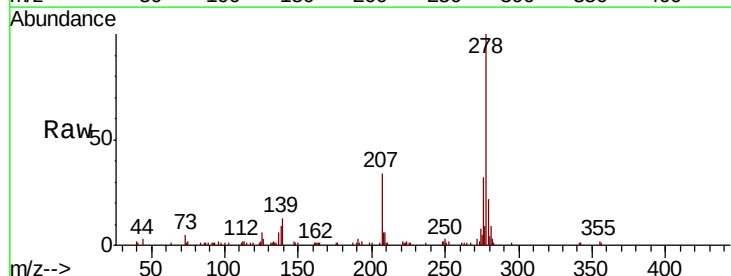
mohammad  
7/29/2020 11:46:43 AM

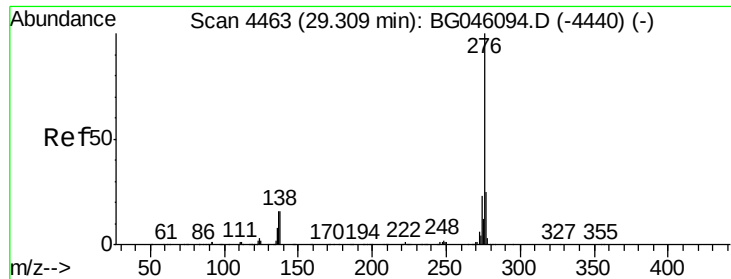


#93

Dibenzo(a,h)anthracene  
Concen: 3.010 ng/ul m  
RT: 28.27 min Scan# 4286  
Delta R.T. -0.00 min  
Lab File: BG046098.D  
Acq: 28 Jul 2020 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 12.8  | 10.6  | 16.0  |
| 279     | 21.8  | 19.4  | 29.0  |





#94  
 Benzo(a,h,i)perylene  
 Concen: 3.068 ng/ul  
 RT: 29.29 min Scan# 4460  
 Delta R.T. -0.02 min  
 Lab File: BG046098.D  
 Acq: 28 Jul 2020 11:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 142319 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 16.1  | 13.6  | 20.4   |
| 277       | 24.9  | 18.8  | 28.2   |

Manual Integrations  
 APPROVED

mohammad  
 7/29/2020 11:46:43 AM

