

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM110220\  
 Data File : BM027674.D  
 Acq On : 02 Nov 2020 13:05  
 Operator : JU/CG  
 Sample : L4214-02  
 Misc : LOQ-SOIL 10PPM  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2020

Manual Integrations  
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mohammad

11/3/2020 10:02:47 AM

Quant Time: Nov 02 13:56:38 2020  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM103020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 02 13:50:31 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.404  | 152  | 27681    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.245 | 136  | 110614   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 15.015 | 164  | 70129    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.727 | 188  | 149903   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.827 | 240  | 148988   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 24.280 | 264  | 147978   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.869  | 112  | 196357   | 112.08 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.522  | 99   | 262376   | 106.56 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.580  | 82   | 223833   | 92.31  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.480 | 330  | 94268    | 112.57 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.651 | 172  | 449108   | 91.38  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.286 | 244  | 633272   | 83.85  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.575  | 88   | 6849     | 9.10   | ng    | # 60     |
| 3) Pyridine                   | 4.022  | 79   | 18455    | 8.56   | ng    | # 45     |
| 4) n-Nitrosodimethylamine     | 3.922  | 42   | 12545    | 9.38   | ng    | # 40     |
| 6) Aniline                    | 7.704  | 93   | 27050    | 9.74   | ng    | 94       |
| 8) 2-Chlorophenol             | 7.951  | 128  | 16539    | 9.40   | ng    | 88       |
| 9) Benzaldehyde               | 7.510  | 77   | 17816    | 14.05  | ng    | 91       |
| 10) Phenol                    | 7.551  | 94   | 21359    | 9.17   | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.798  | 93   | 17749    | 9.93   | ng    | 88       |
| 12) 1,3-Dichlorobenzene       | 8.292  | 146  | 20197    | 9.41   | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.439  | 146  | 20081    | 9.31   | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.763  | 146  | 19246    | 9.38   | ng    | 98       |
| 15) Benzyl Alcohol            | 8.628  | 79   | 18588    | 9.43   | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.939  | 45   | 27054    | 9.47   | ng    | 73       |
| 17) 2-Methylphenol            | 8.828  | 107  | 14715    | 9.40   | ng    | 95       |
| 18) Hexachloroethane          | 9.516  | 117  | 8138     | 9.52   | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 9.210  | 70   | 15359    | 9.54   | ng    | # 72     |
| 20) 3+4-Methylphenols         | 9.157  | 107  | 19127    | 9.19   | ng    | 96       |
| 22) Acetophenone              | 9.228  | 105  | 29413    | 9.36   | ng    | # 79     |
| 24) Nitrobenzene              | 9.622  | 77   | 24529    | 9.84   | ng    | 97       |
| 25) Isophorone                | 10.145 | 82   | 39157    | 9.31   | ng    | 97       |
| 26) 2-Nitrophenol             | 10.339 | 139  | 6985     | 8.51   | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 10.380 | 122  | 15780    | 9.80   | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.627 | 93   | 22641    | 8.94   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.874 | 162  | 15548    | 8.92   | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 11.098 | 180  | 18736    | 8.83   | ng    | 95       |
| 31) Naphthalene               | 11.292 | 128  | 52949    | 9.06   | ng    | 98       |
| 32) Benzoic acid              | 10.427 | 122  | 5579m    | 5.88   | ng    |          |
| 33) 4-Chloroaniline           | 11.386 | 127  | 22233    | 8.65   | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.580 | 225  | 12233    | 8.88   | ng    | 90       |
| 35) Caprolactam               | 12.110 | 113  | 4728     | 8.14   | ng    | # 45     |
| 36) 4-Chloro-3-methylphenol   | 12.469 | 107  | 16928    | 8.35   | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.874 | 142  | 38209    | 9.21   | ng    | 94       |
| 38) 1-Methylnaphthalene       | 13.092 | 142  | 36157    | 9.20   | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 13.227 | 216  | 21539    | 9.72   | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 13.216 | 237  | 11295    | 9.37   | ng    | 88       |
| 43) 2,4,6-Trichlorophenol     | 13.457 | 196  | 12069    | 8.38   | ng    | 97       |

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 Misc : LOQ-SOIL 10PPM  
 ALS Vial : 8 Sample Multiplier: 1

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11/3/2020 10:02:47 AM

Quant Time: Nov 02 13:56:38 2020  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM103020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 02 13:50:31 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.521 | 196  | 13688    | 8.87 | ng    | 92       |
| 46) 1,1'-Biphenyl             | 13.857 | 154  | 49281    | 9.20 | ng    | 96       |
| 47) 2-Chloronaphthalene       | 13.904 | 162  | 37947    | 8.55 | ng    | 97       |
| 48) 2-Nitroaniline            | 14.086 | 65   | 11109    | 7.44 | ng    | 93       |
| 49) Acenaphthylene            | 14.739 | 152  | 57911    | 8.64 | ng    | 98       |
| 50) Dimethylphthalate         | 14.451 | 163  | 47853    | 8.52 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.568 | 165  | 8859     | 8.03 | ng    | # 70     |
| 52) Acenaphthene              | 15.074 | 154  | 37741    | 8.59 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.898 | 138  | 9681     | 7.73 | ng    | 85       |
| 54) 2,4-Dinitrophenol         | 15.092 | 184  | 3667     | 7.87 | ng    | # 1      |
| 55) Dibenzofuran              | 15.404 | 168  | 59220    | 9.06 | ng    | 96       |
| 56) 4-Nitrophenol             | 15.168 | 139  | 7244     | 7.14 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 15.345 | 165  | 11797    | 7.89 | ng    | # 93     |
| 58) Fluorene                  | 16.045 | 166  | 46556    | 8.69 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.615 | 232  | 11745    | 8.67 | ng    | # 91     |
| 60) Diethylphthalate          | 15.798 | 149  | 48296    | 8.43 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 16.033 | 204  | 24274    | 8.80 | ng    | 95       |
| 62) 4-Nitroaniline            | 16.033 | 138  | 9944     | 7.01 | ng    | 99       |
| 63) Azobenzene                | 16.321 | 77   | 53400    | 9.00 | ng    | 83       |
| 65) 4,6-Dinitro-2-methylph... | 16.092 | 198  | 4965     | 8.23 | ng    | 86       |
| 66) n-Nitrosodiphenylamine    | 16.239 | 169  | 40348    | 8.92 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.915 | 248  | 14646    | 9.14 | ng    | # 93     |
| 68) Hexachlorobenzene         | 17.039 | 284  | 15687    | 8.44 | ng    | # 90     |
| 69) Atrazine                  | 17.156 | 200  | 13239    | 8.64 | ng    | 95       |
| 70) Pentachlorophenol         | 17.368 | 266  | 8252     | 8.19 | ng    | 98       |
| 71) Phenanthrene              | 17.768 | 178  | 74871    | 8.85 | ng    | 98       |
| 72) Anthracene                | 17.856 | 178  | 73871    | 8.93 | ng    | 99       |
| 73) Carbazole                 | 18.109 | 167  | 68273    | 8.68 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.656 | 149  | 77207    | 8.36 | ng    | 98       |
| 75) Fluoranthene              | 19.739 | 202  | 85935    | 8.64 | ng    | 100      |
| 77) Benzidine                 | 19.903 | 184  | 36838    | 8.69 | ng    | 98       |
| 78) Pyrene                    | 20.097 | 202  | 90149    | 8.72 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.956 | 149  | 29593    | 7.57 | ng    | 89       |
| 81) Benzo(a)anthracene        | 21.809 | 228  | 87813    | 8.73 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.727 | 252  | 31431    | 9.11 | ng    | # 98     |
| 83) Chrysene                  | 21.862 | 228  | 85250    | 8.79 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.715 | 149  | 49855    | 8.72 | ng    | # 96     |
| 85) Di-n-octyl phthalate      | 22.662 | 149  | 81781    | 8.48 | ng    | # 84     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.826 | 276  | 93694    | 8.66 | ng    | # 92     |
| 88) Benzo(b)fluoranthene      | 23.533 | 252  | 89797    | 8.90 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 23.580 | 252  | 82573    | 8.60 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.168 | 252  | 77320    | 8.31 | ng    | 96       |
| 91) Dibenzo(a,h)anthracene    | 26.832 | 278  | 76869    | 8.69 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.597 | 276  | 76493    | 8.84 | ng    | 98       |

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

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Misc : LOQ-SOIL 10PPM  
ALS Vial : 8 Sample Multiplier: 1

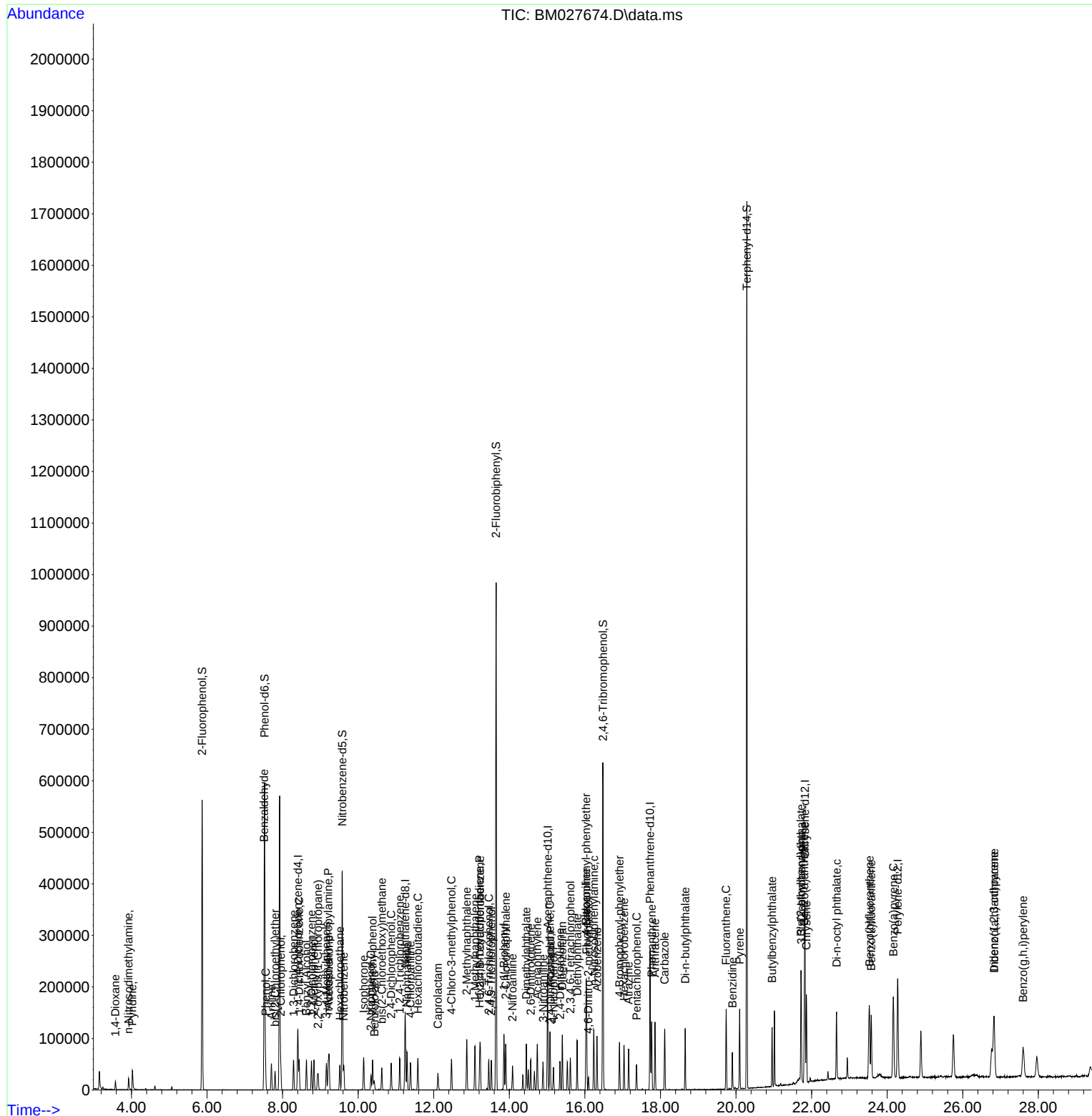
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

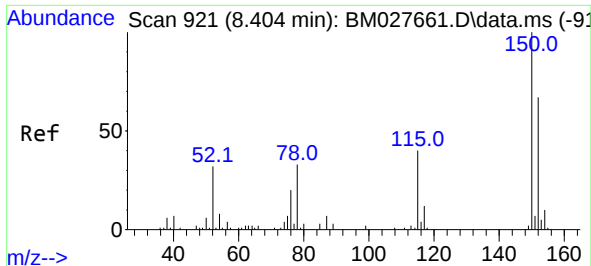
Manual Integrations  
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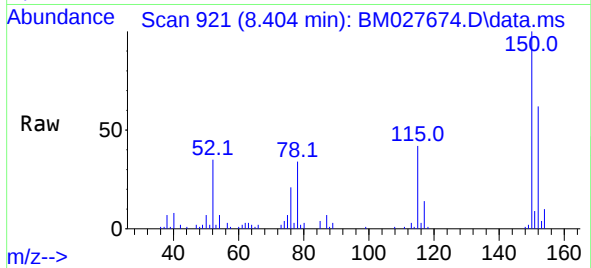
11/3/2020 10:02:47 AM

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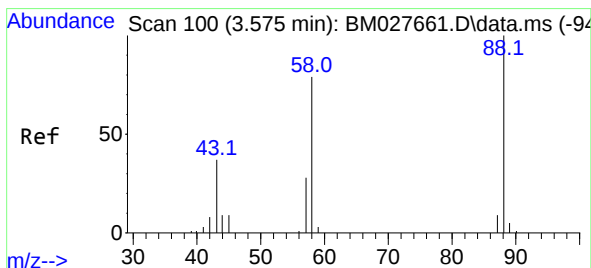
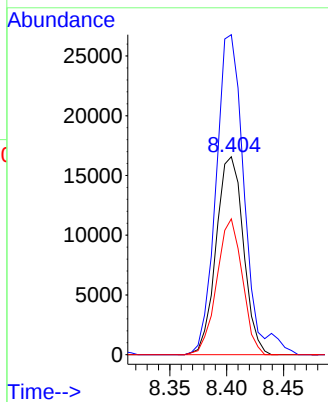
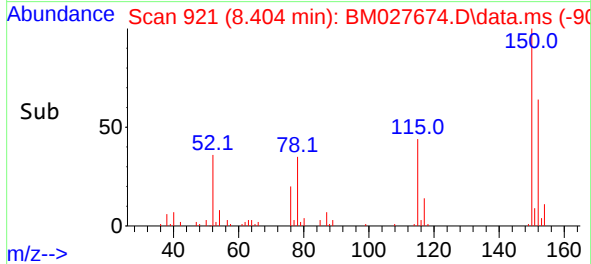




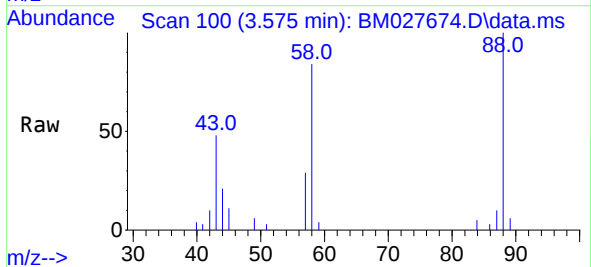
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.404 min Scan# 921  
Delta R.T. 0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



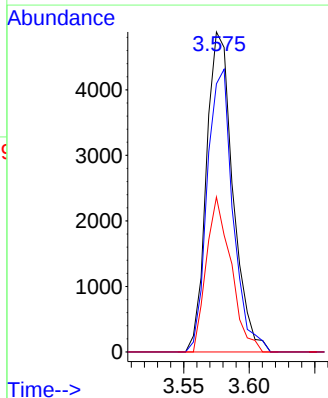
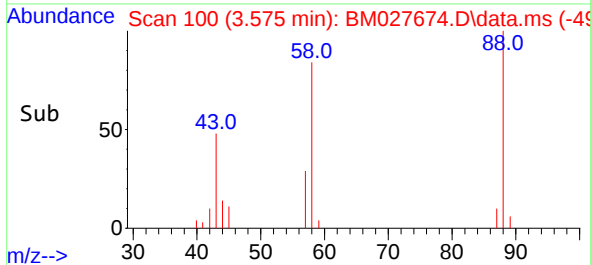
Tgt Ion:152 Resp: 27681  
Ion Ratio Lower Upper  
152 100  
150 161.7 120.6 181.0  
115 68.7 47.2 70.8



#2  
1,4-Dioxane  
Concen: 9.10 ng  
RT: 3.575 min Scan# 100  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion: 88 Resp: 6849  
Ion Ratio Lower Upper  
88 100  
58 85.9 46.2 69.2#  
43 45.3 19.0 28.6#

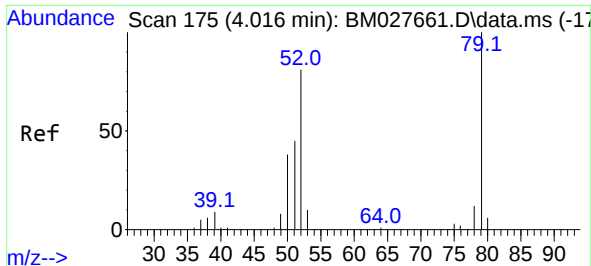


Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

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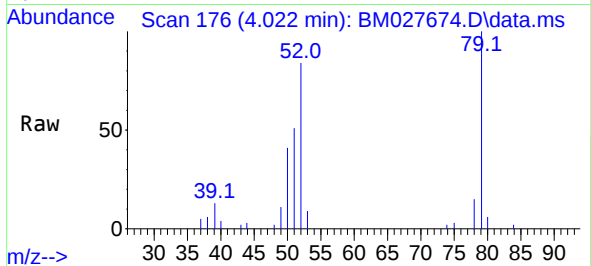
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11/3/2020 10:02:47 AM



#3  
Pyridine  
Concen: 8.56 ng  
RT: 4.022 min Scan# 176  
Delta R.T. 0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

Instrument :  
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ClientSampleId :  
LOQ-SOIL-02-QT4-2020

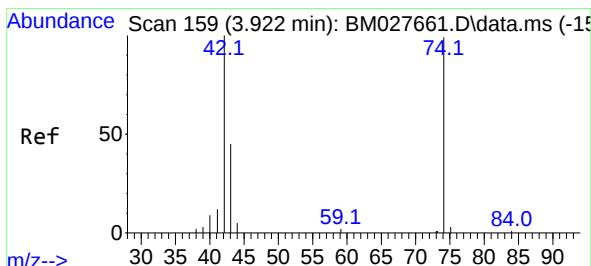
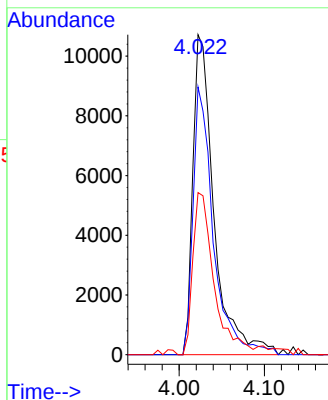
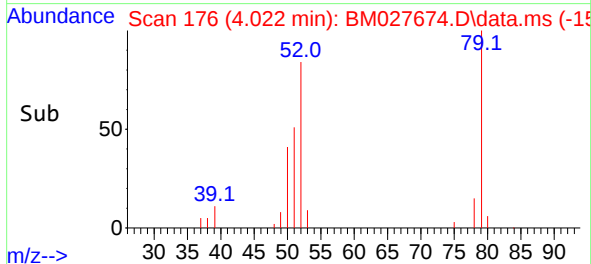


| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 83.6  | 35.8  | 53.8# |
| 51      | 50.7  | 21.0  | 31.6# |

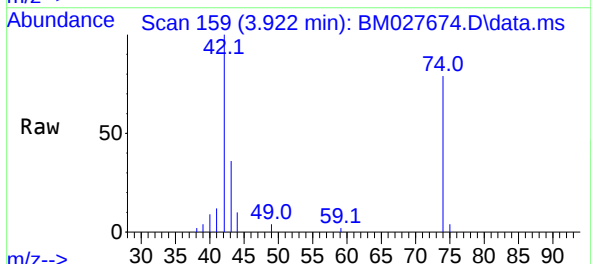
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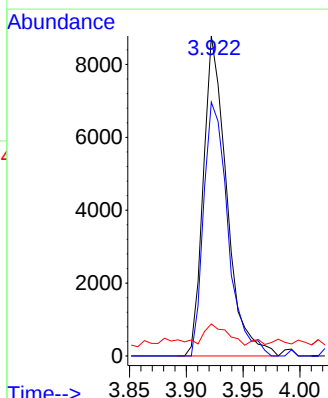
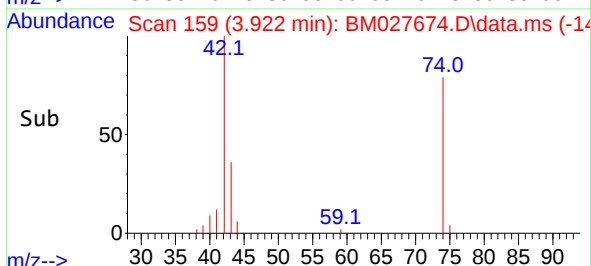
11/3/2020 10:02:47 AM

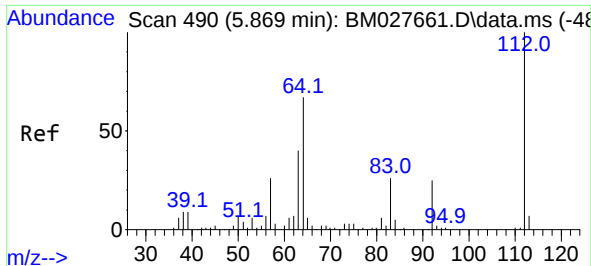


#4  
n-Nitrosodimethylamine  
Concen: 9.38 ng  
RT: 3.922 min Scan# 159  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 79.3  | 127.8 | 191.6# |
| 44      | 10.0  | 4.1   | 6.1#   |





#5  
2-Fluorophenol  
Concen: 112.08 ng  
RT: 5.869 min Scan# 490  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

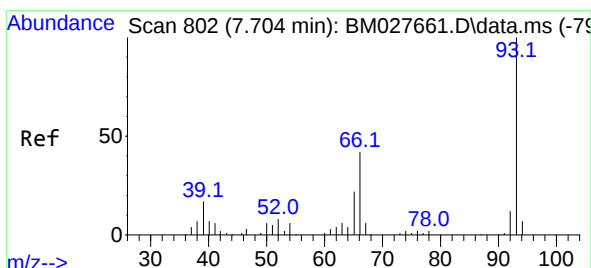
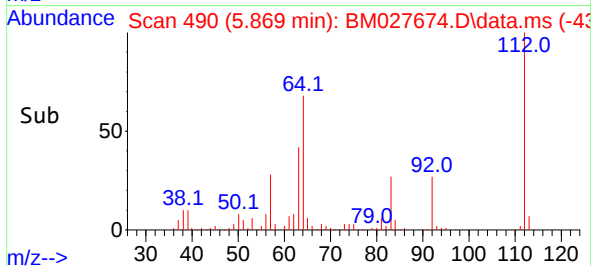
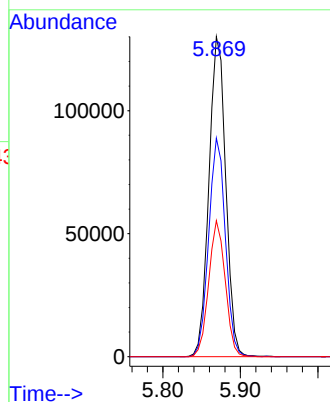
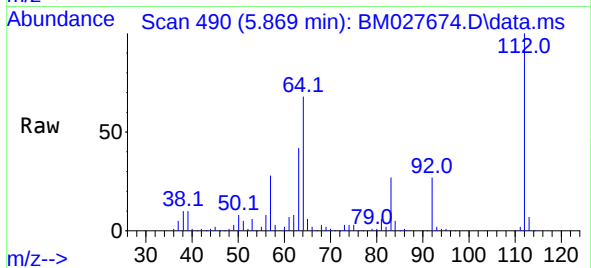
Tgt Ion: 112 Resp: 196357  
Ion Ratio Lower Upper  
112 100  
64 68.3 50.6 76.0  
63 42.5 31.0 46.6

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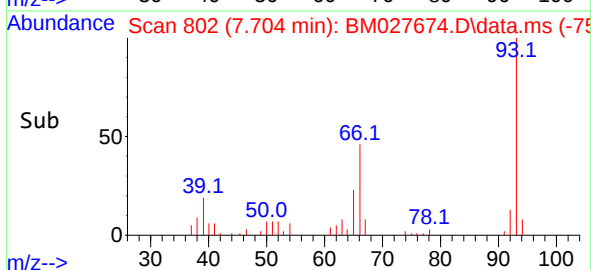
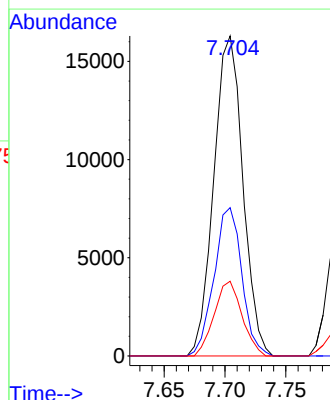
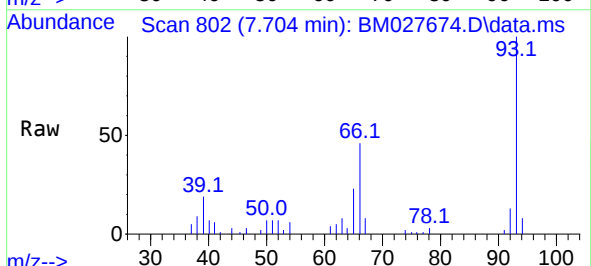
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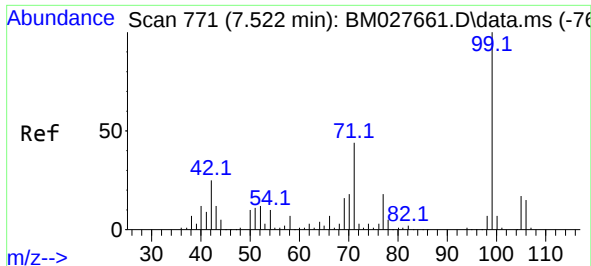
11/3/2020 10:02:47 AM



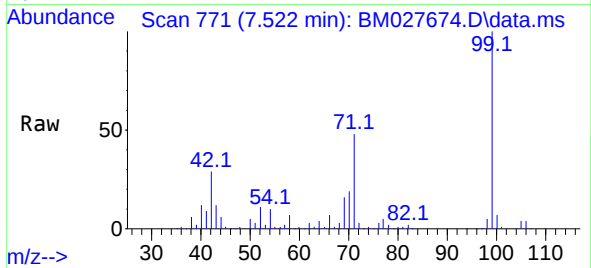
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Aniline  
Concen: 9.74 ng  
RT: 7.704 min Scan# 802  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

Tgt Ion: 93 Resp: 27050  
Ion Ratio Lower Upper  
93 100  
66 46.4 33.3 49.9  
65 23.4 17.4 26.0

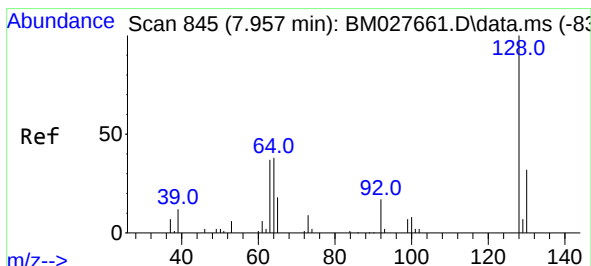
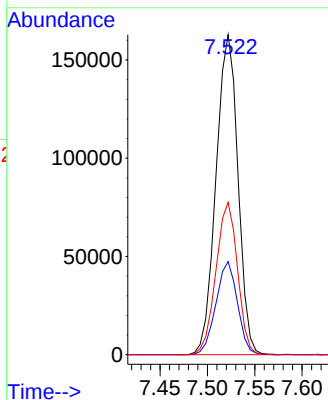
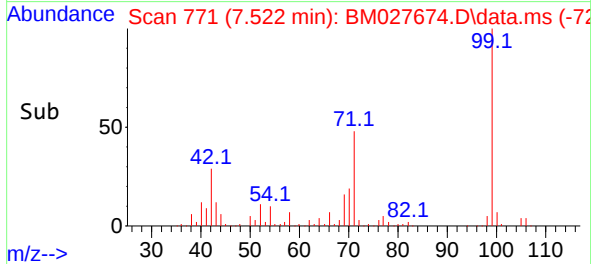




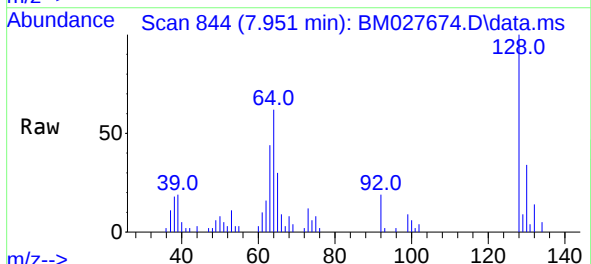
#7  
Phenol-d6  
Concen: 106.56 ng  
RT: 7.522 min Scan# 771  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



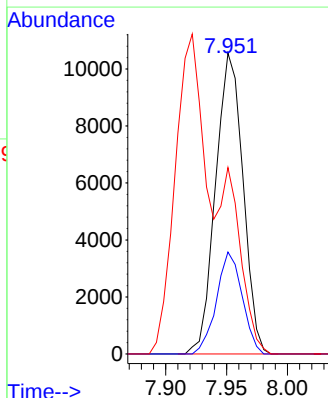
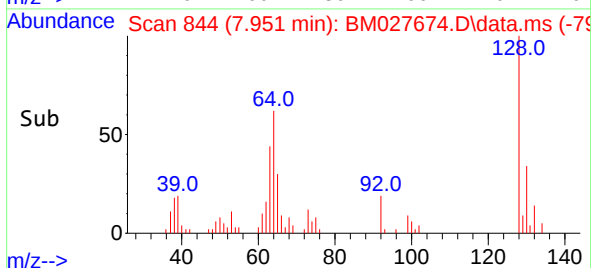
Tgt Ion: 99 Resp: 262376  
Ion Ratio Lower Upper  
99 100  
42 29.1 13.5 20.3#  
71 47.6 39.4 59.0



#8  
2-Chlorophenol  
Concen: 9.40 ng  
RT: 7.951 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion: 128 Resp: 16539  
Ion Ratio Lower Upper  
128 100  
130 33.9 11.5 51.5  
64 61.9 30.1 70.1

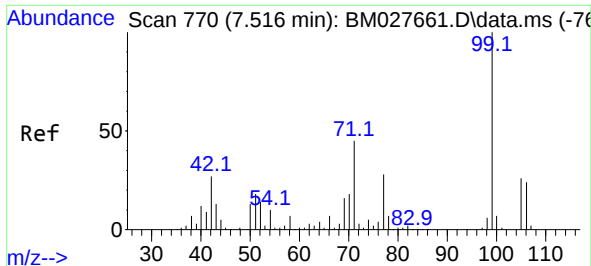


Instrument :  
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ClientSampleId :  
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#9  
Benzaldehyde  
Concen: 14.05 ng  
RT: 7.510 min Scan# 769  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

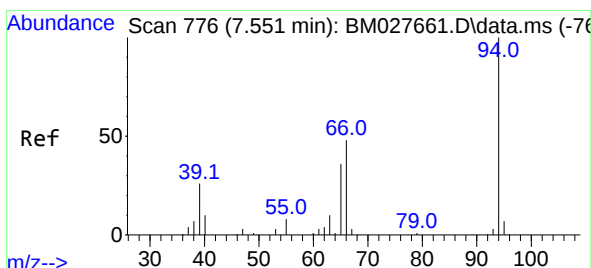
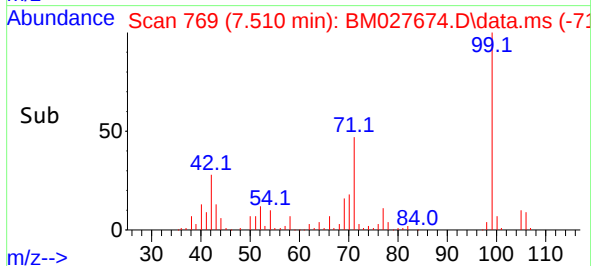
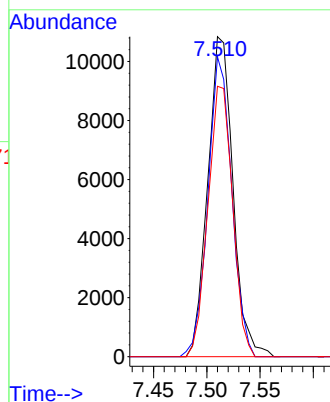
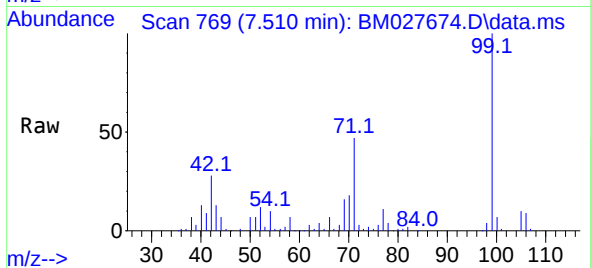
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 77    | Resp: | 17816 |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 105       | 93.7  | 64.7  | 104.7 |
| 106       | 84.5  | 57.5  | 97.5  |

Instrument :  
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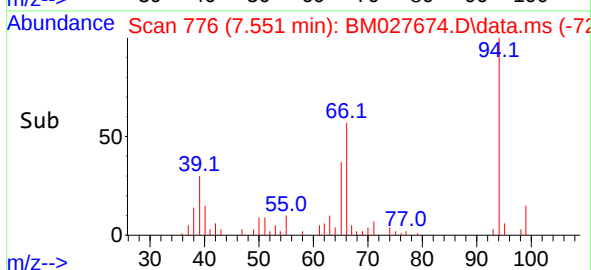
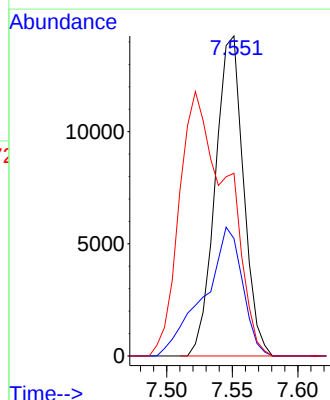
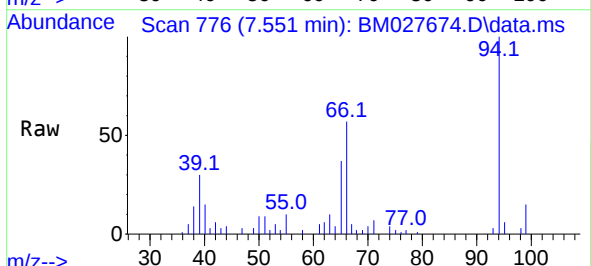
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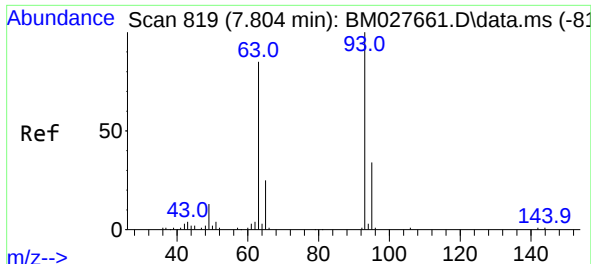
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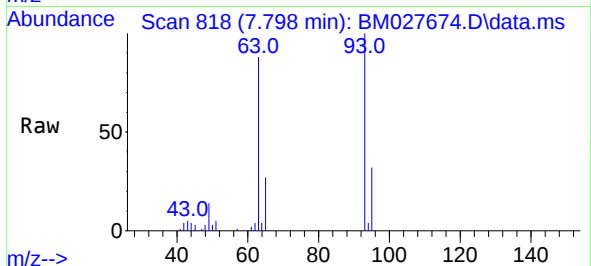
#10  
Phenol  
Concen: 9.17 ng  
RT: 7.551 min Scan# 776  
Delta R.T. 0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 21359 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 36.7  | 16.4  | 56.4  |
| 66        | 57.1  | 30.2  | 70.2  |



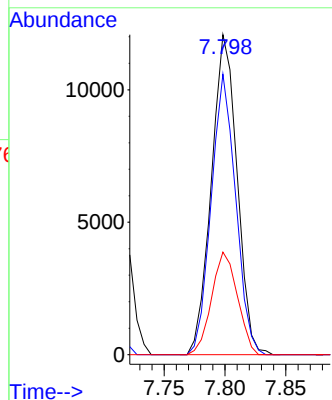


#11  
bis(2-Chloroethyl)ether  
Concen: 9.93 ng  
RT: 7.798 min Scan# 818  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion: 93 Resp: 17749

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 87.7  | 53.1  | 93.1  |
| 95  | 32.1  | 12.1  | 52.1  |

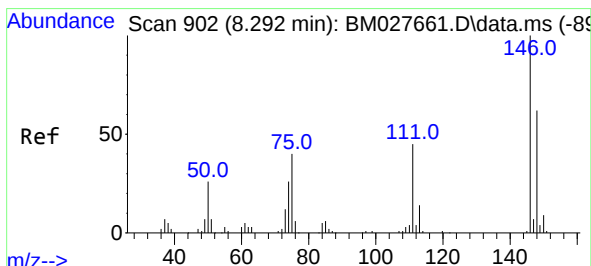
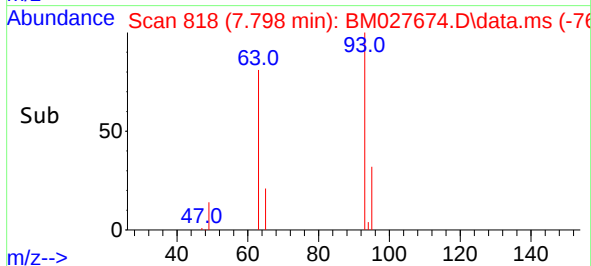


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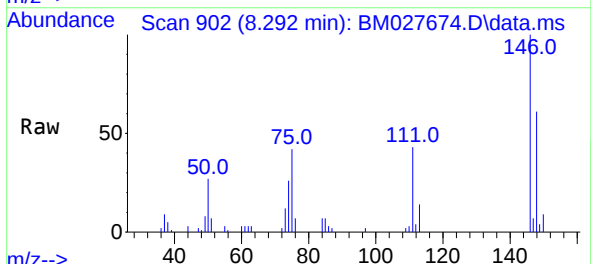
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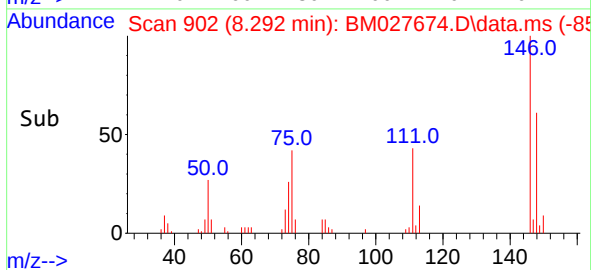
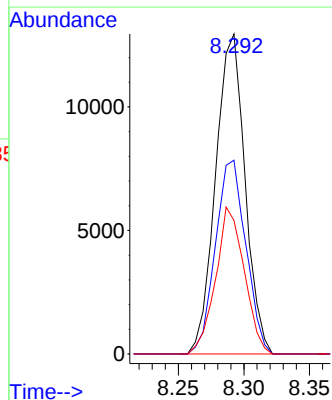


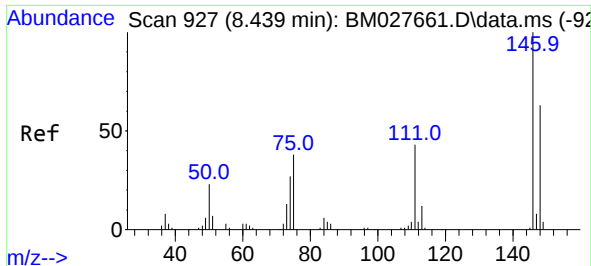
#12  
1,3-Dichlorobenzene  
Concen: 9.41 ng  
RT: 8.292 min Scan# 902  
Delta R.T. 0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



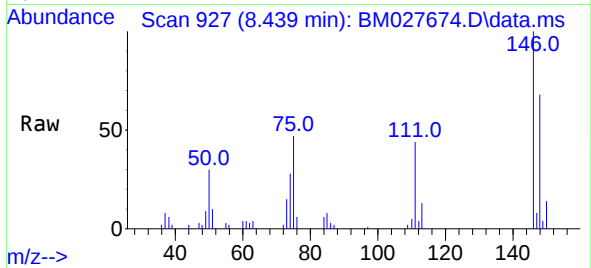
Tgt Ion: 146 Resp: 20197

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 60.5  | 51.6  | 77.4  |
| 75  | 41.8  | 33.0  | 49.6  |

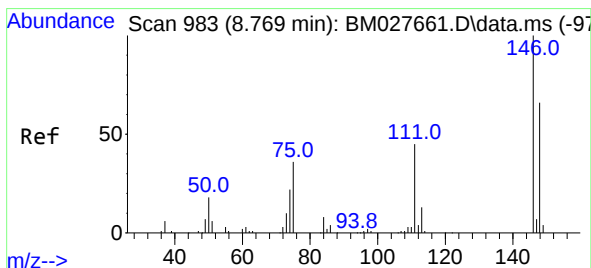
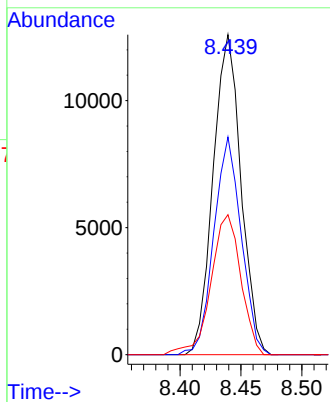
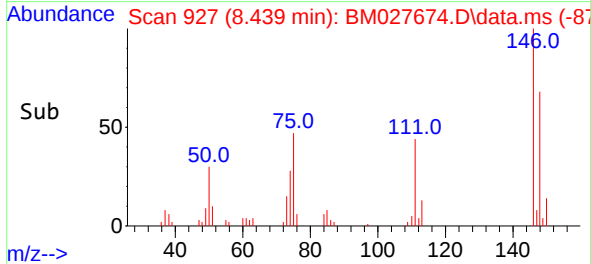




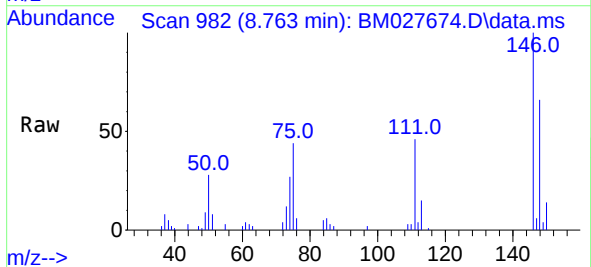
#13  
1,4-Dichlorobenzene  
Concen: 9.31 ng  
RT: 8.439 min Scan# 927  
Delta R.T. 0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



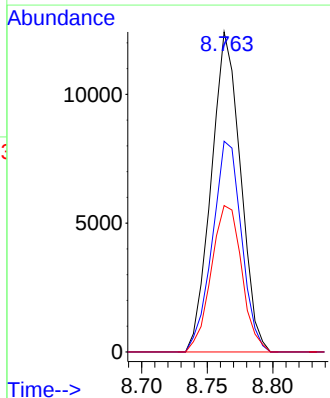
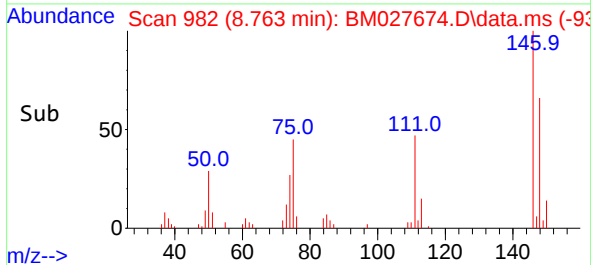
Tgt Ion:146 Resp: 20081  
Ion Ratio Lower Upper  
146 100  
148 68.0 51.4 77.0  
111 43.7 34.4 51.6



#14  
1,2-Dichlorobenzene  
Concen: 9.38 ng  
RT: 8.763 min Scan# 982  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:146 Resp: 19246  
Ion Ratio Lower Upper  
146 100  
148 65.9 51.3 76.9  
111 45.7 35.4 53.0

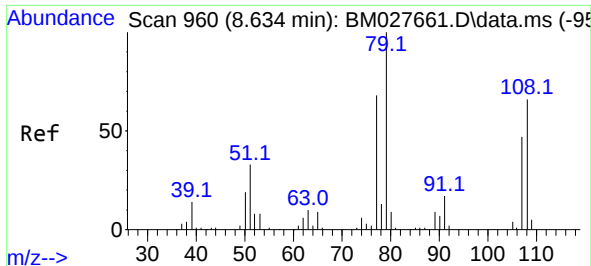


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#15  
Benzyl Alcohol  
Concen: 9.43 ng  
RT: 8.628 min Scan# 959  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

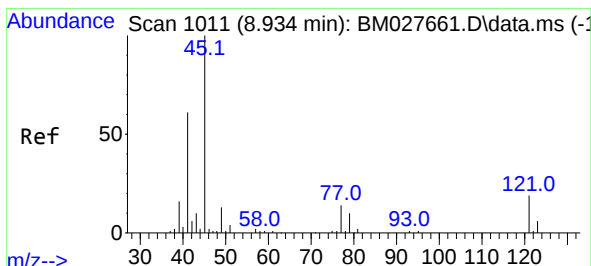
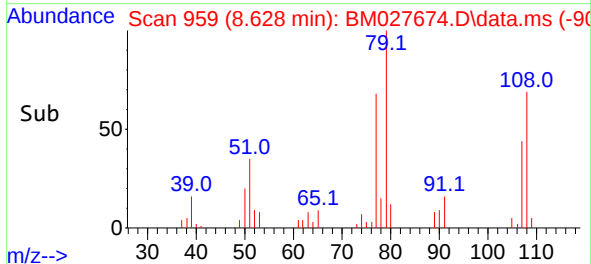
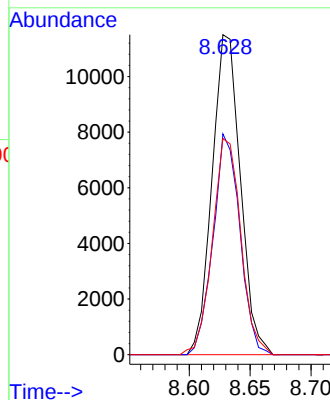
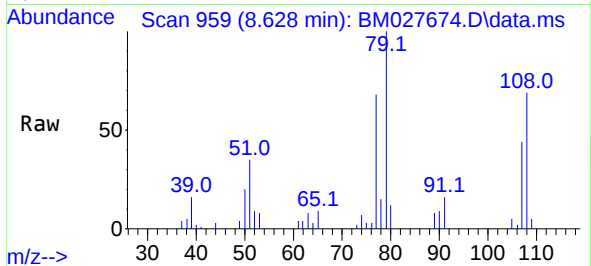
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 79    | Resp: | 18588 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 108      | 69.0  | 49.0  | 73.4  |
| 77       | 67.5  | 55.2  | 82.8  |

Instrument :  
BNA\_M  
ClientSampleId :  
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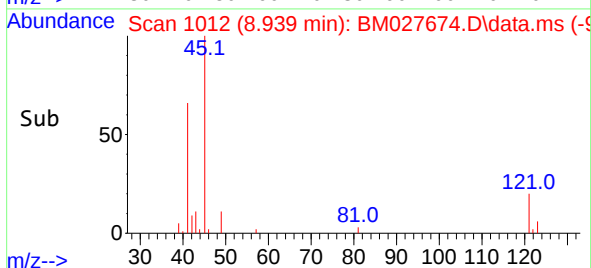
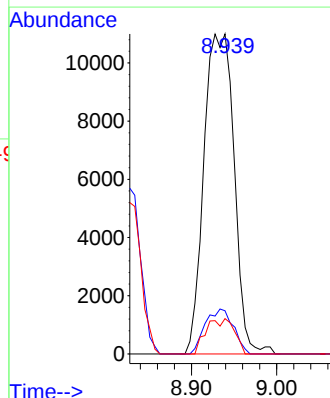
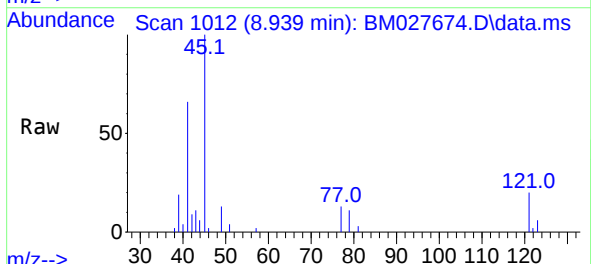
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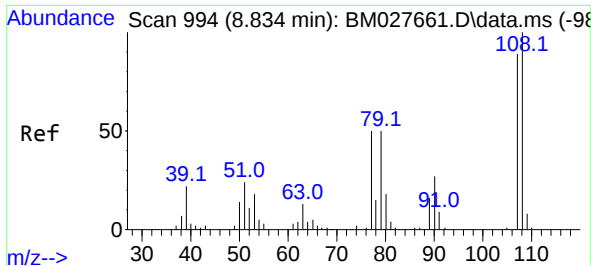
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 9.47 ng  
RT: 8.939 min Scan# 1012  
Delta R.T. 0.005 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 27054 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 77       | 13.5  | 9.5   | 49.5  |
| 79       | 11.1  | 1.8   | 41.8  |





#17  
2-Methylphenol  
Concen: 9.40 ng  
RT: 8.828 min Scan# 993  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

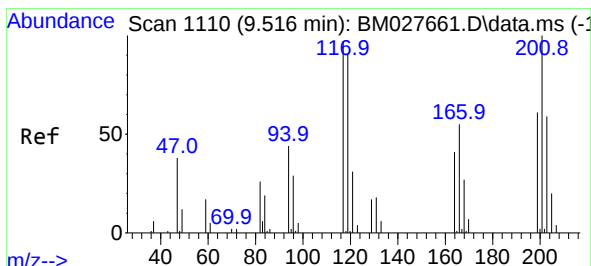
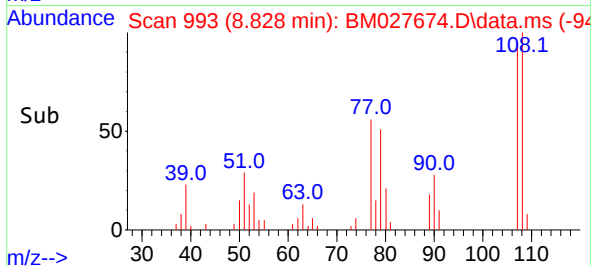
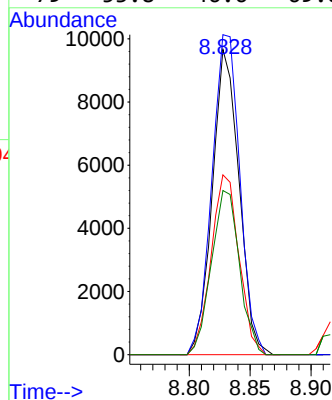
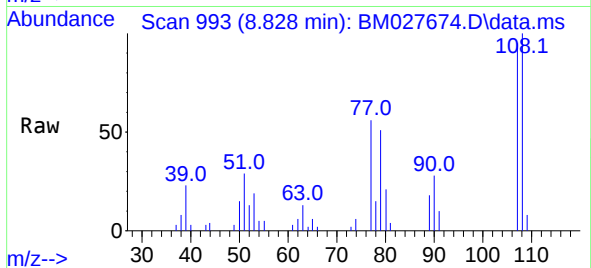
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 14715 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 104.8 | 87.8  | 131.6 |
| 77       | 58.9  | 50.9  | 76.3  |
| 79       | 53.8  | 46.6  | 69.8  |

Instrument :  
BNA\_M  
ClientSampleId :  
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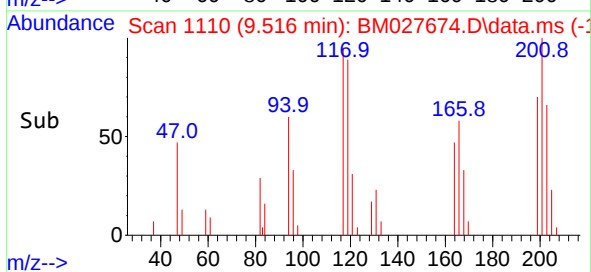
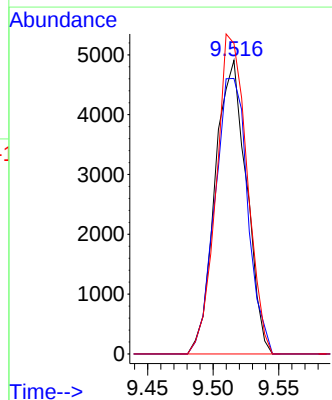
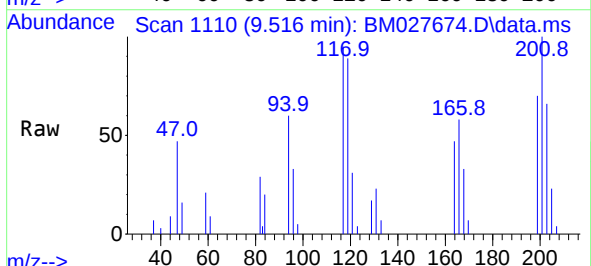
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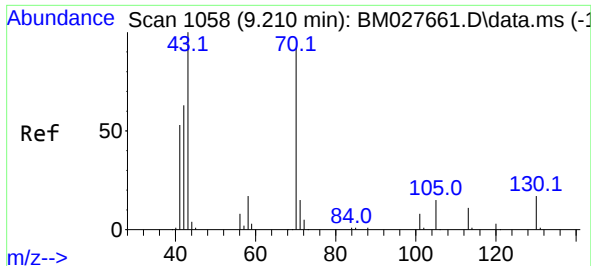
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#18  
Hexachloroethane  
Concen: 9.52 ng  
RT: 9.516 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 8138  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 93.8  | 73.1  | 109.7 |
| 201      | 105.8 | 88.7  | 133.1 |





#19  
n-Nitroso-di-n-propylamine  
Concen: 9.54 ng  
RT: 9.210 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

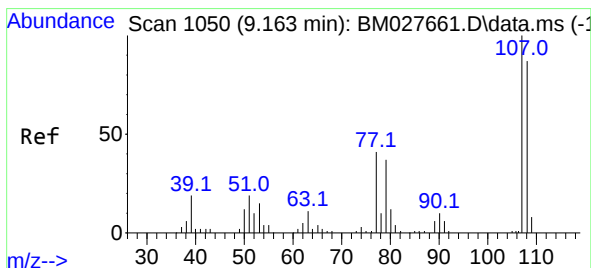
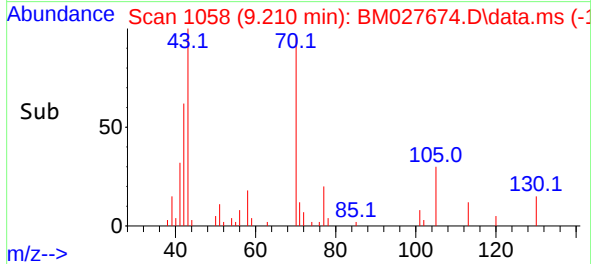
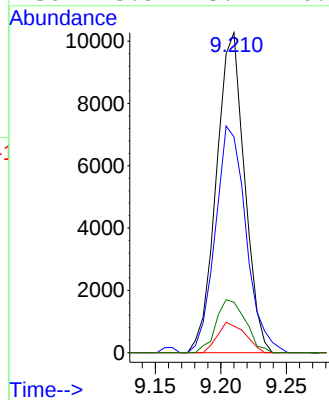
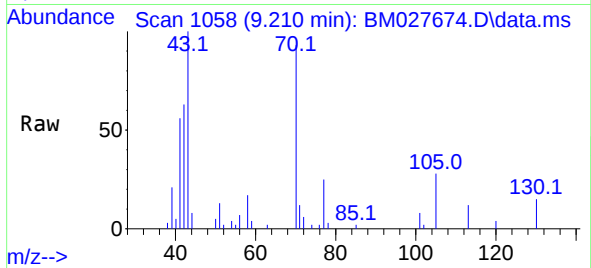
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 15359 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 67.4  | 31.9  | 47.9# |
| 101      | 8.3   | 7.0   | 10.4  |
| 130      | 15.8  | 13.4  | 20.0  |

Instrument :  
BNA\_M  
ClientSampleId :  
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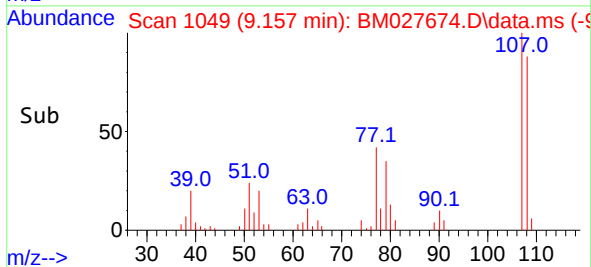
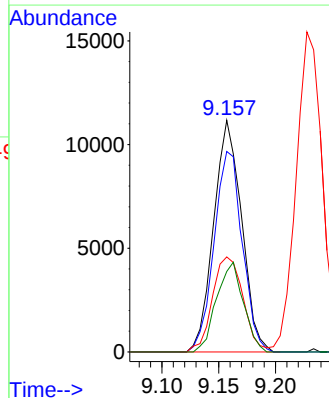
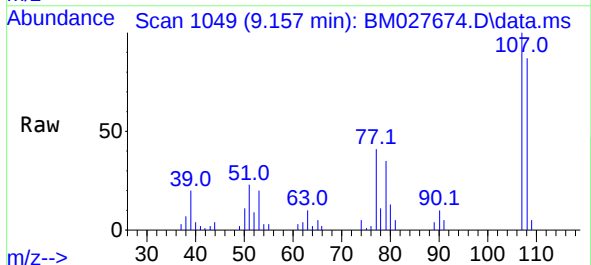
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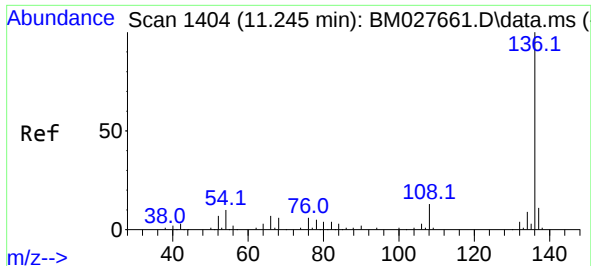
11/3/2020 10:02:47 AM



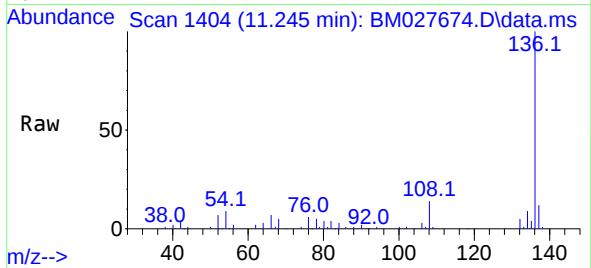
#20  
3+4-Methylphenols  
Concen: 9.19 ng  
RT: 9.157 min Scan# 1049  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 19127 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 86.6  | 64.5  | 104.5 |
| 77       | 41.0  | 24.2  | 64.2  |
| 79       | 34.8  | 17.8  | 57.8  |

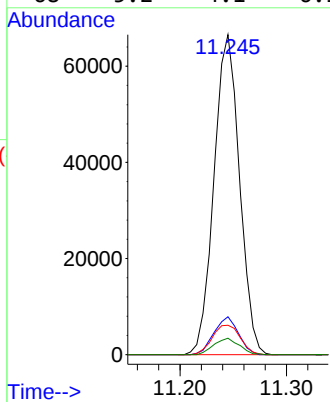
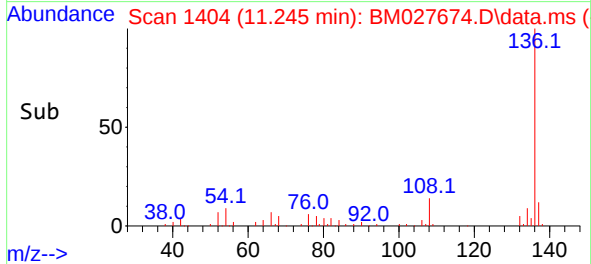




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.245 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:136 Resp: 110614  
Ion Ratio Lower Upper  
136 100  
137 11.8 8.6 12.8  
54 9.2 4.6 7.0#  
68 5.2 4.1 6.1

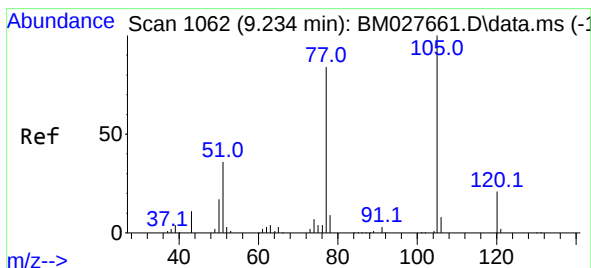


Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

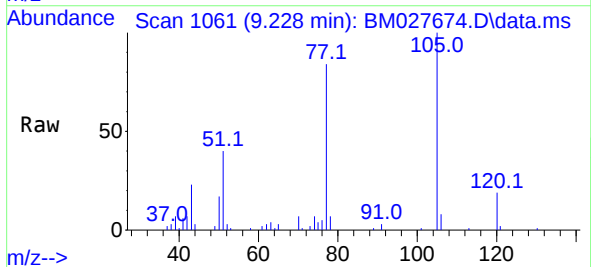
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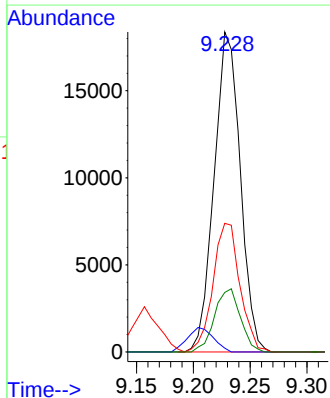
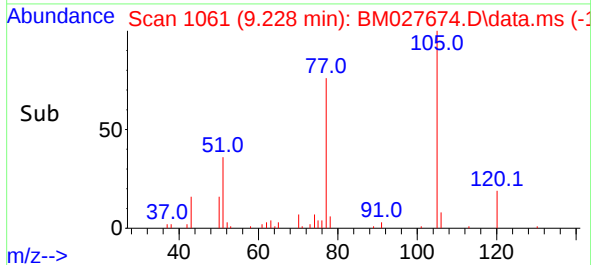
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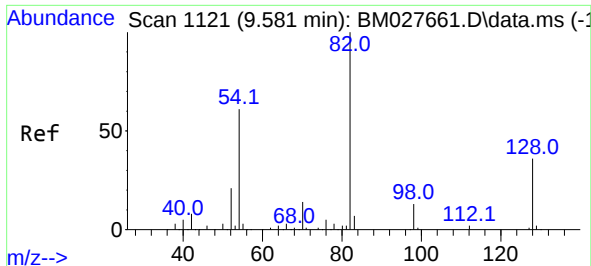


#22  
Acetophenone  
Concen: 9.36 ng  
RT: 9.228 min Scan# 1061  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:105 Resp: 29413  
Ion Ratio Lower Upper  
105 100  
71 1.2 7.6 11.4#  
51 40.2 18.6 28.0#  
120 18.6 17.3 25.9





#23  
Nitrobenzene-d5  
Concen: 92.31 ng  
RT: 9.580 min Scan# 1121  
Delta R.T. -0.001 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

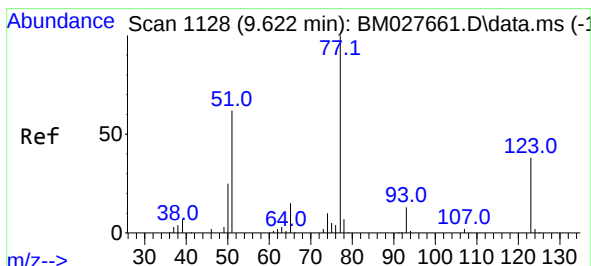
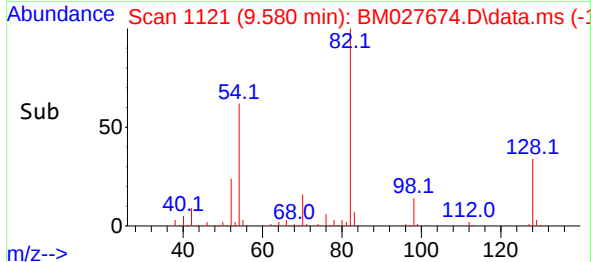
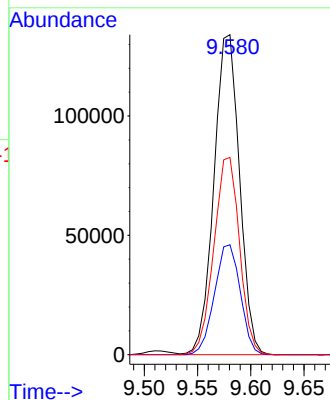
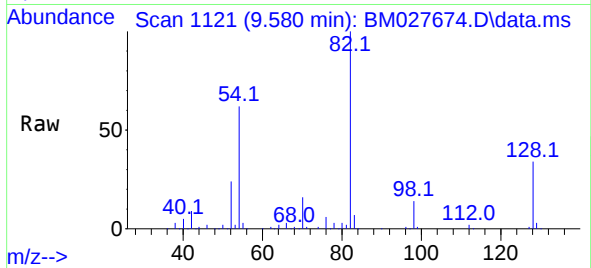
Tgt Ion: 82 Resp: 223833  
Ion Ratio Lower Upper  
82 100  
128 34.4 27.4 41.0  
54 61.7 31.4 47.0#

Instrument :  
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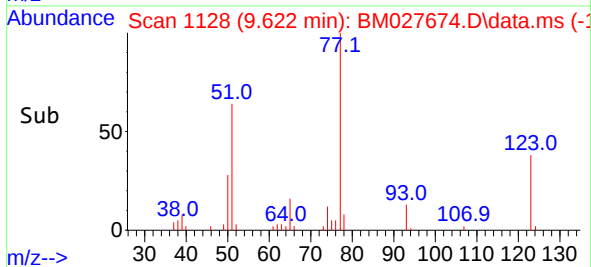
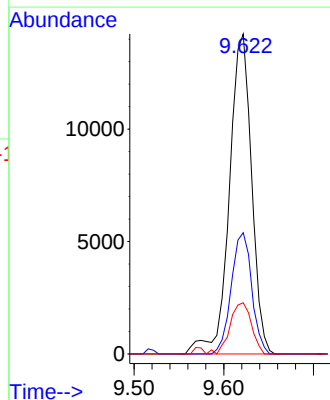
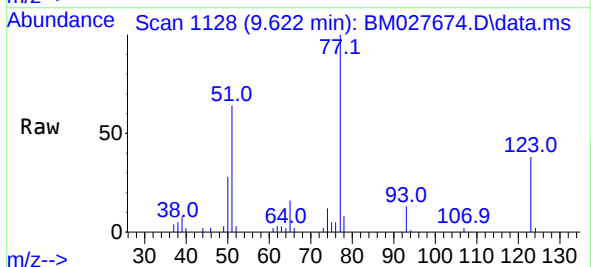
mohammad

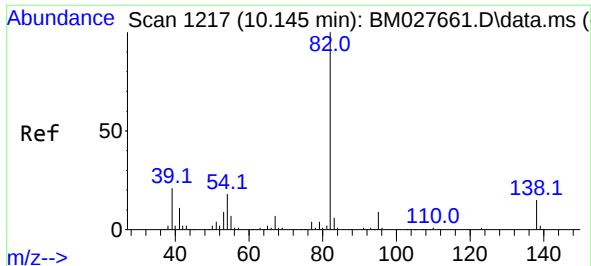
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#24  
Nitrobenzene  
Concen: 9.84 ng  
RT: 9.622 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

Tgt Ion: 77 Resp: 24529  
Ion Ratio Lower Upper  
77 100  
123 37.9 29.1 43.7  
65 16.0 11.3 16.9





#25  
Isophorone  
Concen: 9.31 ng  
RT: 10.145 min Scan# 1217  
Delta R.T. 0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

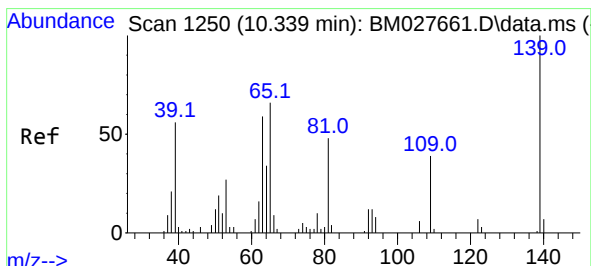
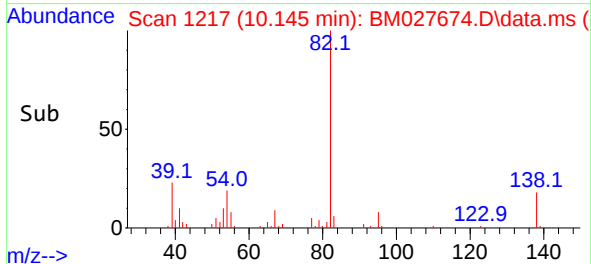
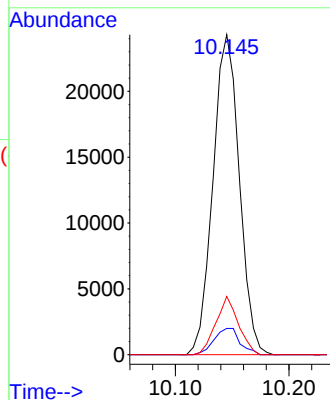
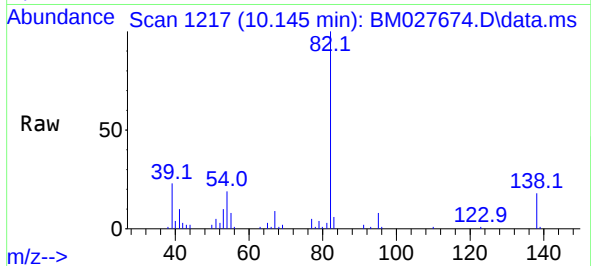
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 39157 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 95       | 8.2   | 6.8   | 10.2  |
| 138      | 18.2  | 13.1  | 19.7  |

Instrument :  
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ClientSampleId :  
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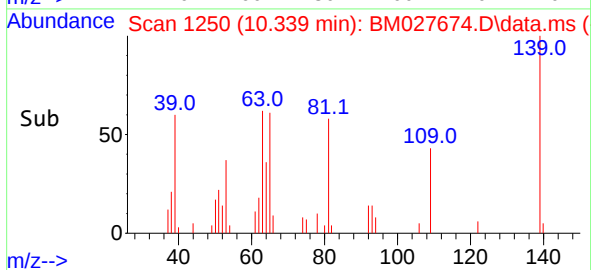
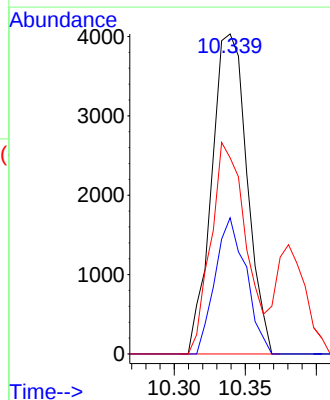
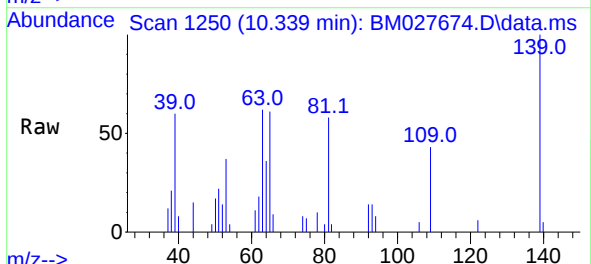
mohammad

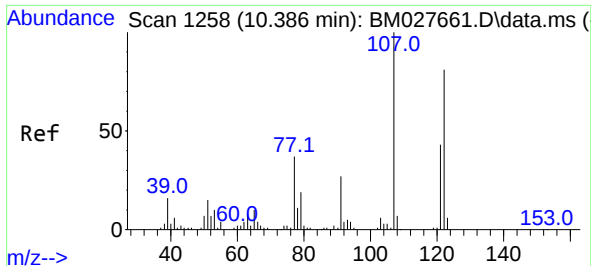
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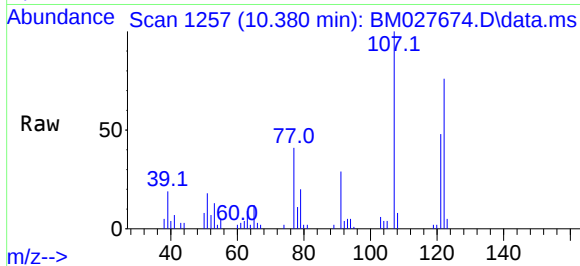
#26  
2-Nitrophenol  
Concen: 8.51 ng  
RT: 10.339 min Scan# 1250  
Delta R.T. 0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 139   | Resp: | 6985  |
| Ion      | Ratio | Lower | Upper |
| 139      | 100   |       |       |
| 109      | 42.6  | 33.8  | 50.8  |
| 65       | 61.3  | 51.0  | 76.6  |

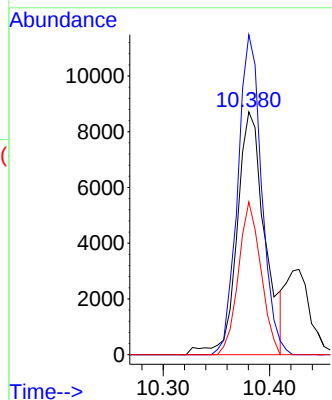
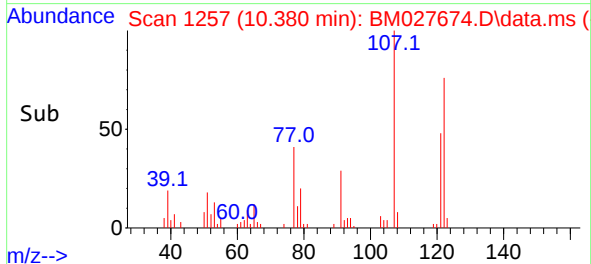




#27  
2,4-Dimethylphenol  
Concen: 9.80 ng  
RT: 10.380 min Scan# 1257  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:122 Resp: 15780  
Ion Ratio Lower Upper  
122 100  
107 131.8 106.6 159.8  
121 62.9 48.8 73.2

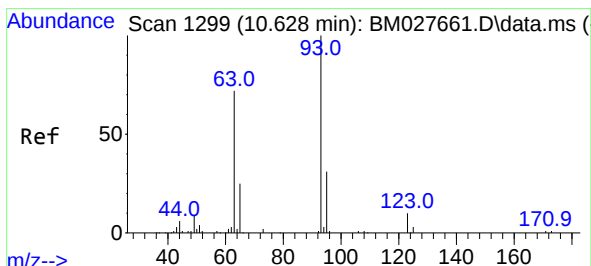


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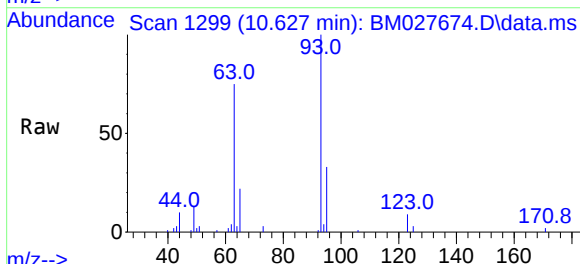
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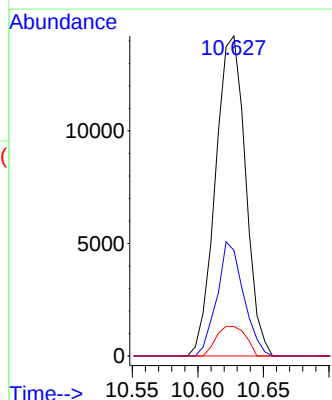
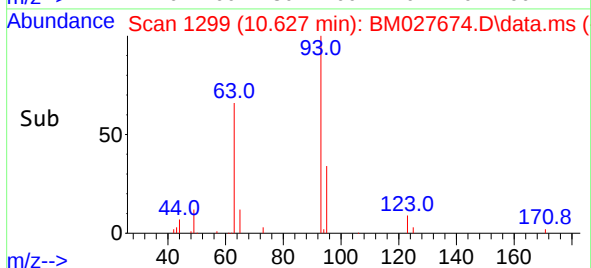
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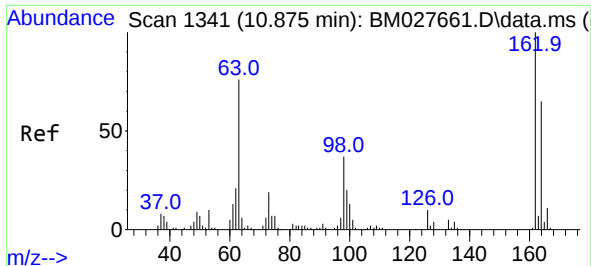


#28  
bis(2-Chloroethoxy)methane  
Concen: 8.94 ng  
RT: 10.627 min Scan# 1299  
Delta R.T. -0.001 min  
Lab File: BM027674.D  
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Tgt Ion: 93 Resp: 22641  
Ion Ratio Lower Upper  
93 100  
95 33.0 26.5 39.7  
123 9.2 8.6 12.8





#29  
2,4-Dichlorophenol  
Concen: 8.92 ng  
RT: 10.874 min Scan# 1341  
Delta R.T. -0.001 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

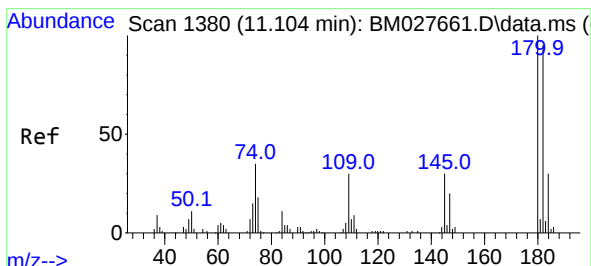
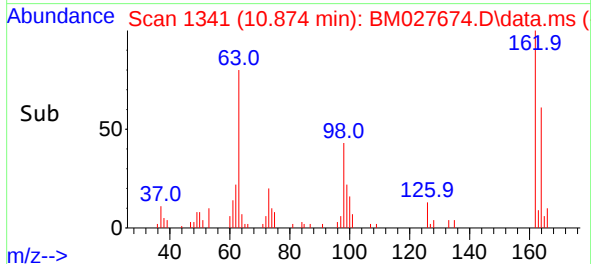
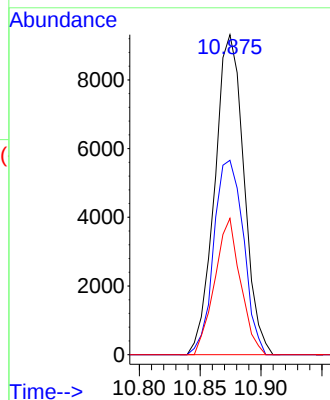
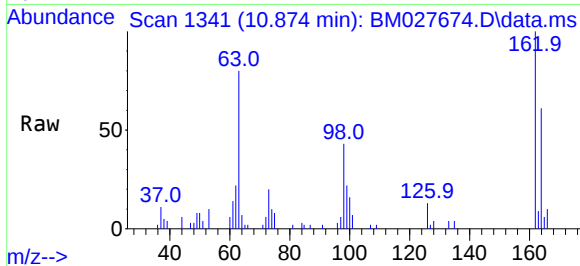
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 15548 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 60.8  | 43.2  | 83.2  |
| 98        | 42.6  | 15.7  | 55.7  |

Instrument :  
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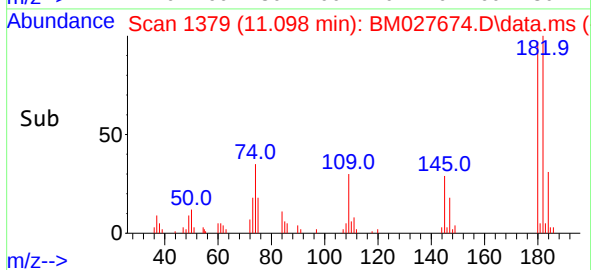
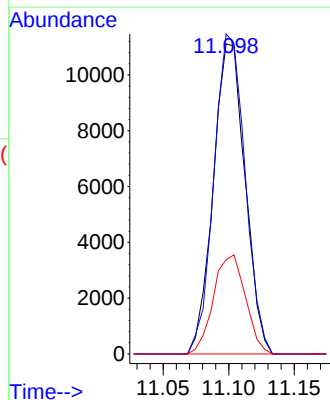
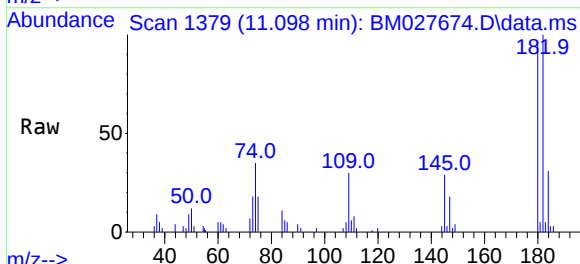
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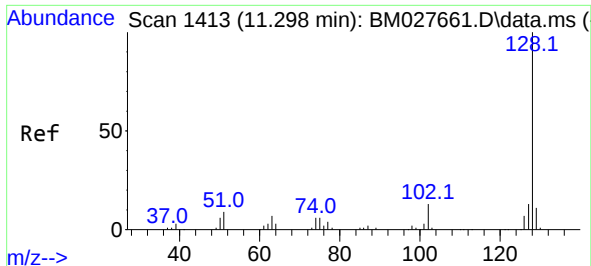
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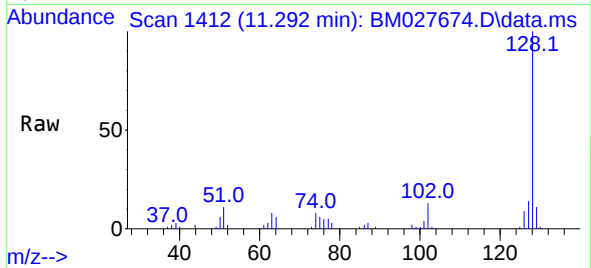
#30  
1,2,4-Trichlorobenzene  
Concen: 8.83 ng  
RT: 11.098 min Scan# 1379  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 18736 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 103.2 | 77.7  | 116.5 |
| 145       | 30.3  | 23.4  | 35.0  |

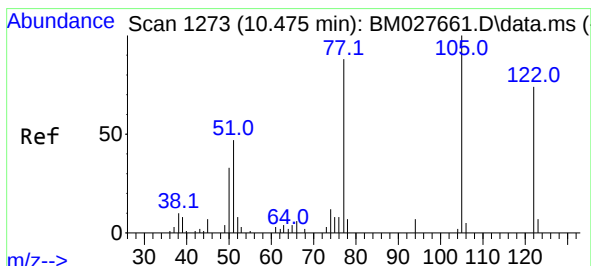
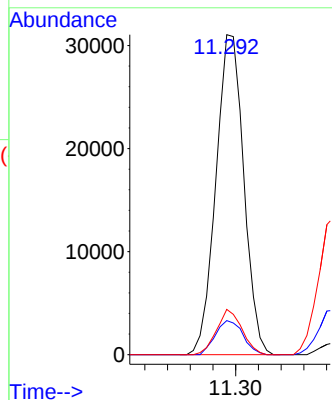
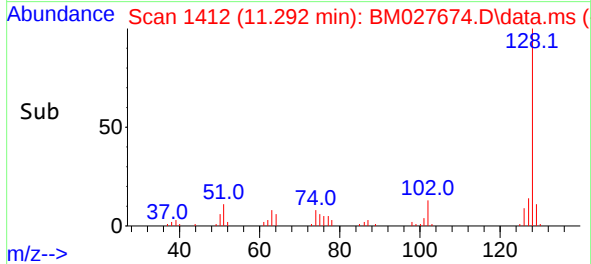




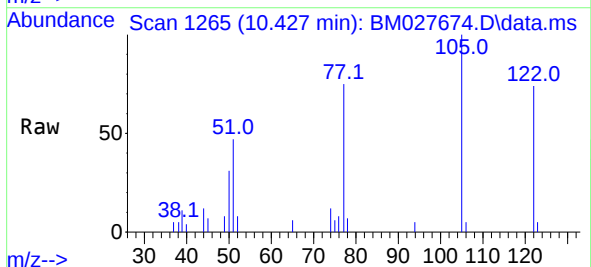
#31  
Naphthalene  
Concen: 9.06 ng  
RT: 11.292 min Scan# 1412  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



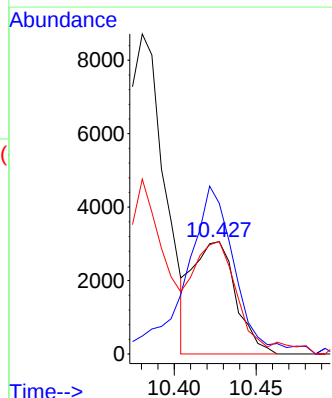
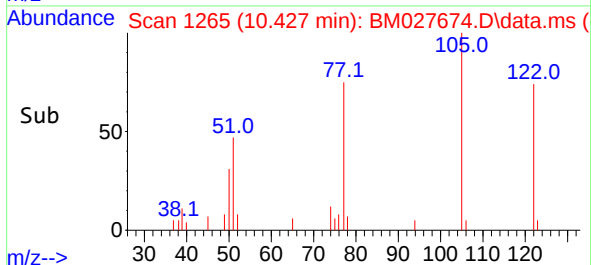
Tgt Ion:128 Resp: 52949  
Ion Ratio Lower Upper  
128 100  
129 10.6 9.0 13.4  
127 14.2 10.6 15.8



#32  
Benzoic acid  
Concen: 5.88 ng m  
RT: 10.427 min Scan# 1265  
Delta R.T. -0.048 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:122 Resp: 5579  
Ion Ratio Lower Upper  
122 100  
105 134.2 114.0 154.0  
77 100.2 101.8 141.8#

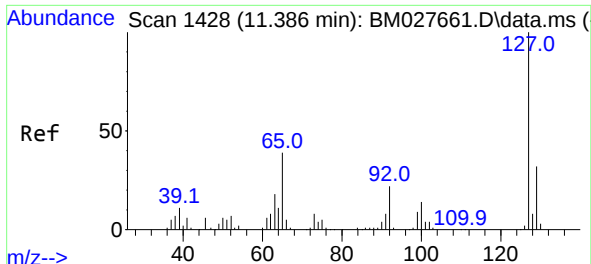


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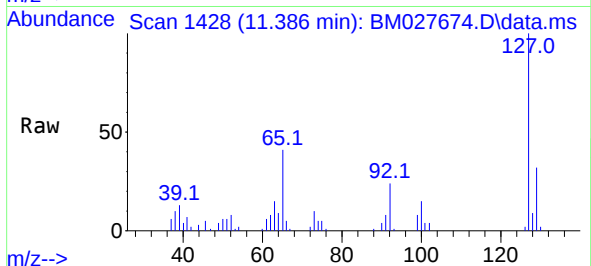
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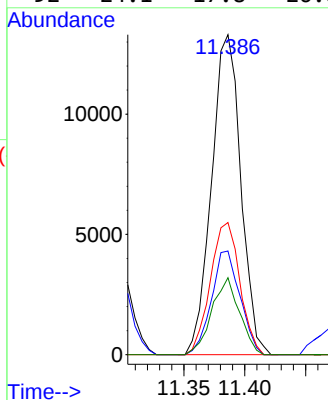
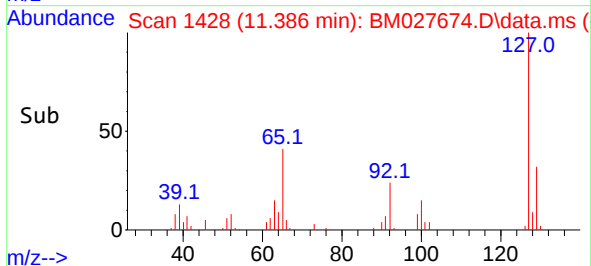
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#33  
4-Chloroaniline  
Concen: 8.65 ng  
RT: 11.386 min Scan# 1428  
Delta R.T. 0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 22233 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.4  | 24.7  | 37.1  |
| 65       | 41.3  | 30.2  | 45.4  |
| 92       | 24.1  | 17.8  | 26.8  |

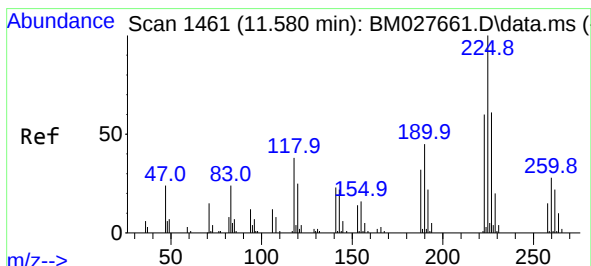


Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

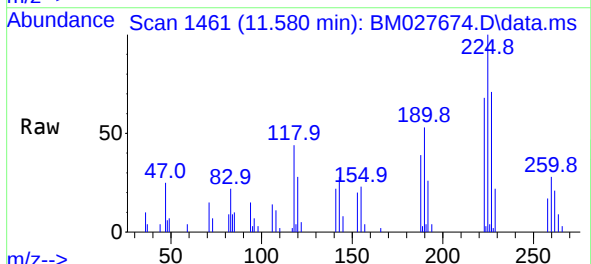
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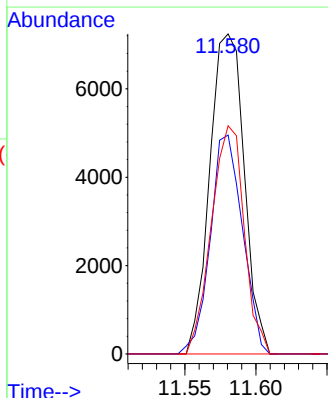
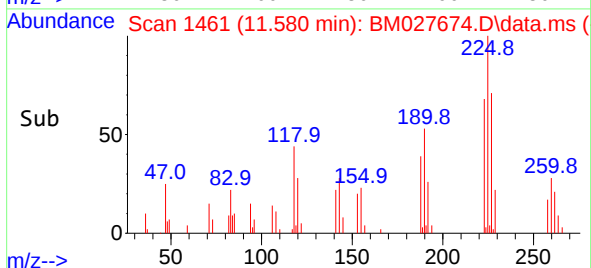
11/3/2020 10:02:47 AM

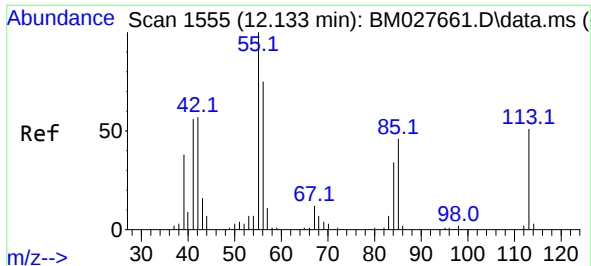


#34  
Hexachlorobutadiene  
Concen: 8.88 ng  
RT: 11.580 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

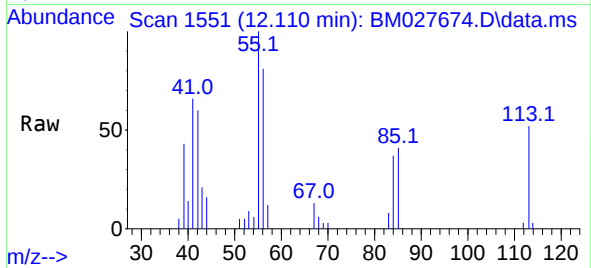


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 12233 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 71.6  | 51.0  | 76.4  |
| 227      | 71.3  | 50.6  | 75.8  |

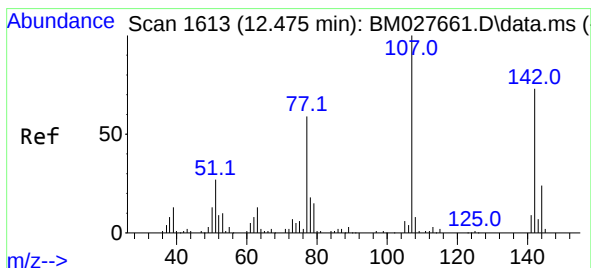
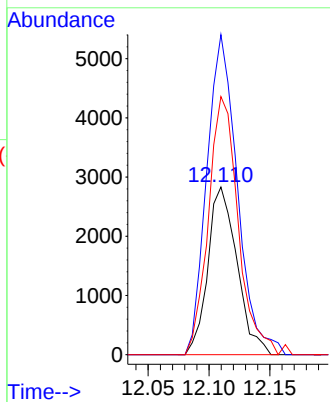
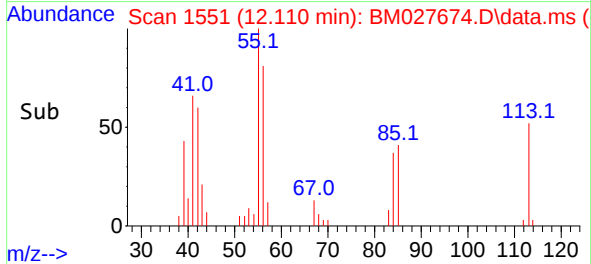




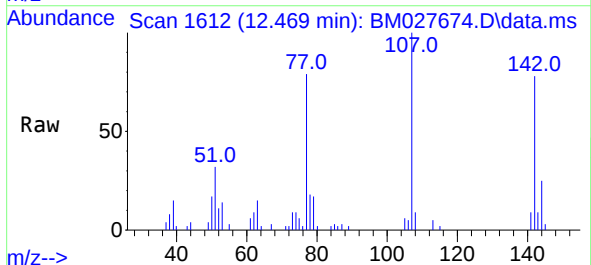
#35  
Caprolactam  
Concen: 8.14 ng  
RT: 12.110 min Scan# 1551  
Delta R.T. -0.023 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



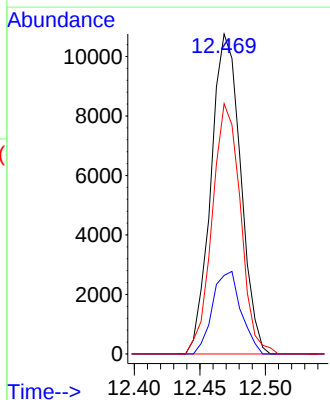
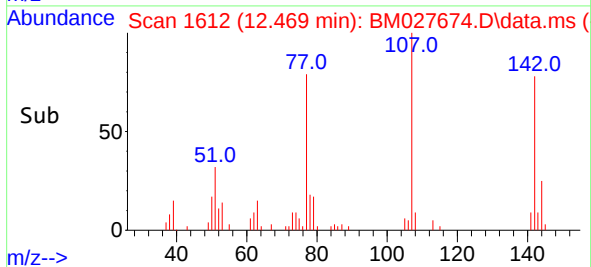
Tgt Ion:113 Resp: 4728  
Ion Ratio Lower Upper  
113 100  
55 190.8 103.2 143.2#  
56 153.8 84.2 124.2#



#36  
4-Chloro-3-methylphenol  
Concen: 8.35 ng  
RT: 12.469 min Scan# 1612  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:107 Resp: 16928  
Ion Ratio Lower Upper  
107 100  
144 24.6 20.1 30.1  
142 78.2 60.3 90.5

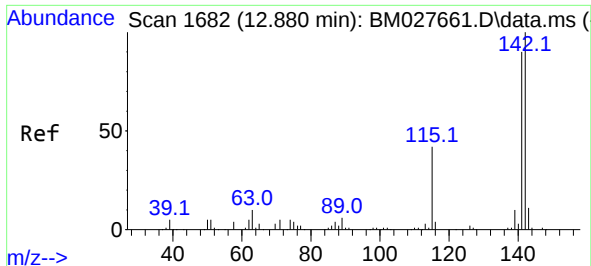


Instrument :  
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#37  
2-Methylnaphthalene  
Concen: 9.21 ng  
RT: 12.874 min Scan# 1681  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

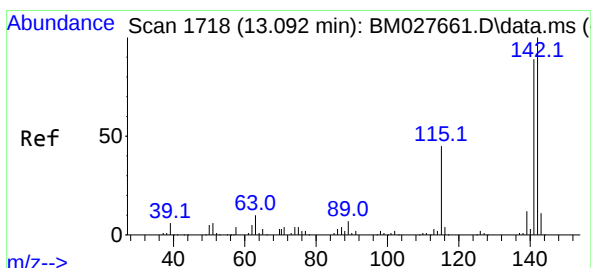
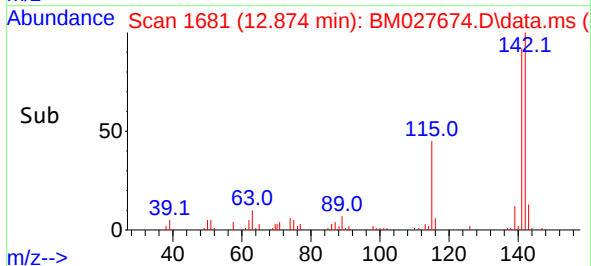
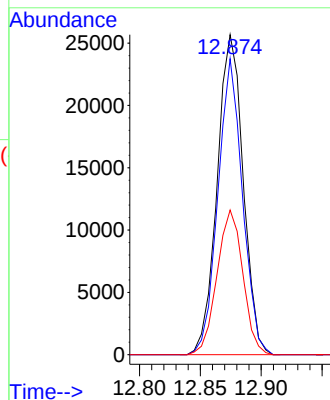
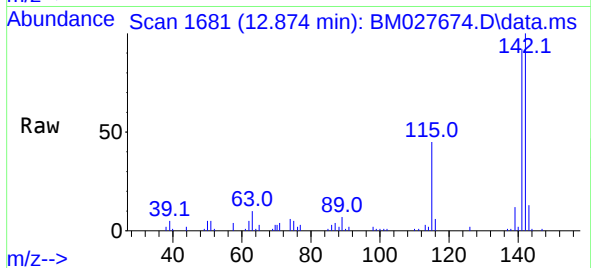
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 38209 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 92.5  | 70.3  | 105.5 |
| 115       | 45.2  | 32.2  | 48.4  |

Instrument :  
BNA\_M  
ClientSampleId :  
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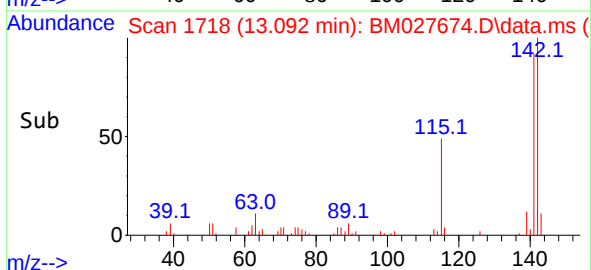
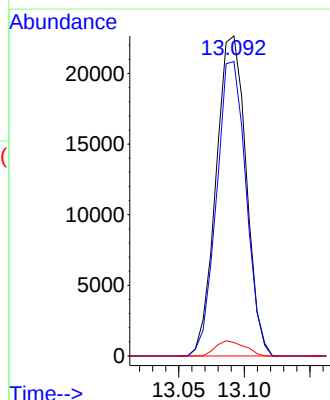
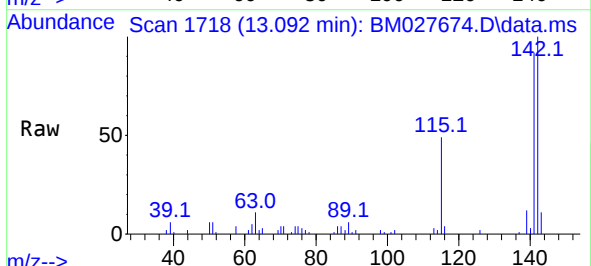
mohammad

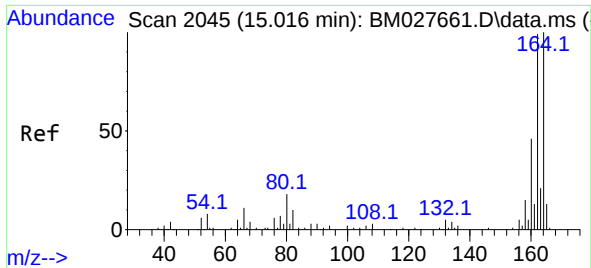
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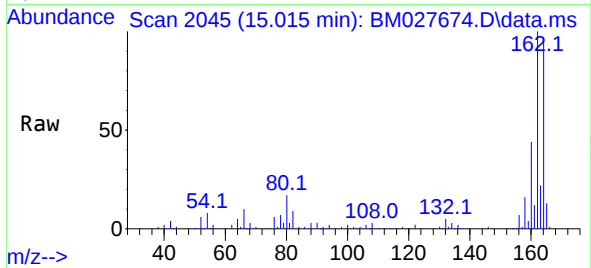
#38  
1-Methylnaphthalene  
Concen: 9.20 ng  
RT: 13.092 min Scan# 1718  
Delta R.T. 0.000 min  
Lab File: BM027674.D  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 36157 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 92.0  | 73.8  | 110.6 |
| 116       | 4.2   | 3.5   | 5.3   |

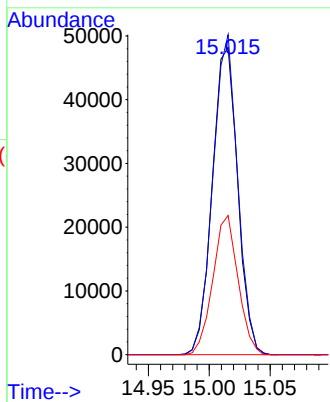
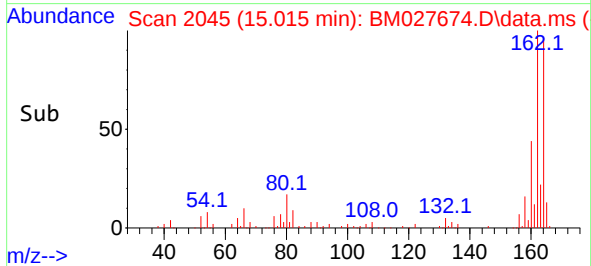




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 15.015 min Scan# 2045  
Delta R.T. -0.001 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:164 Resp: 70129  
Ion Ratio Lower Upper  
164 100  
162 104.1 80.4 120.6  
160 45.3 35.9 53.9

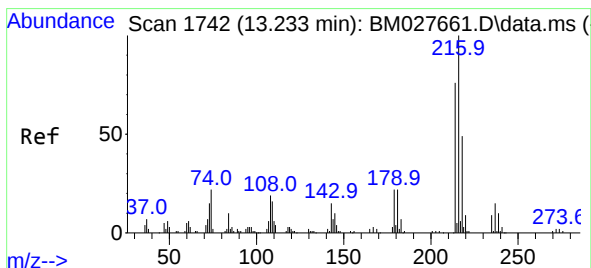


Instrument :  
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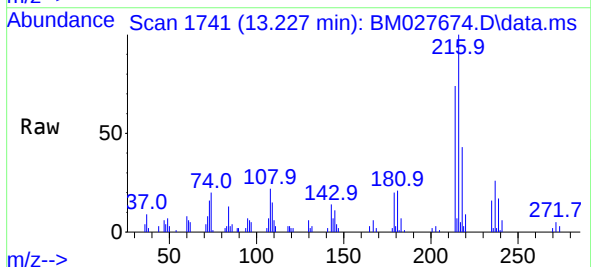
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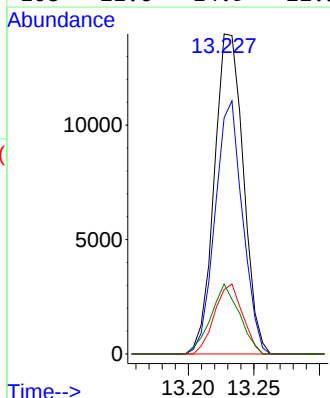
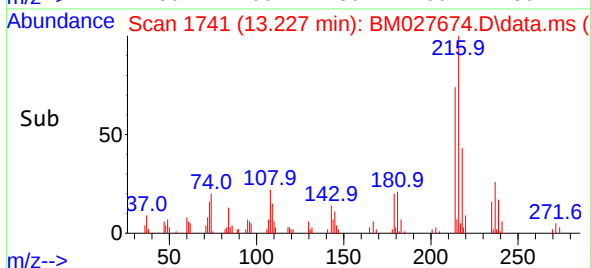
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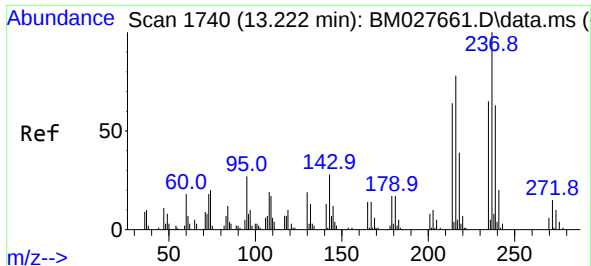


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 9.72 ng  
RT: 13.227 min Scan# 1741  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:216 Resp: 21539  
Ion Ratio Lower Upper  
216 100  
214 74.7 62.1 93.1  
179 21.1 17.2 25.8  
108 21.6 14.9 22.3





#41  
Hexachlorocyclopentadiene  
Concen: 9.37 ng  
RT: 13.216 min Scan# 1739  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

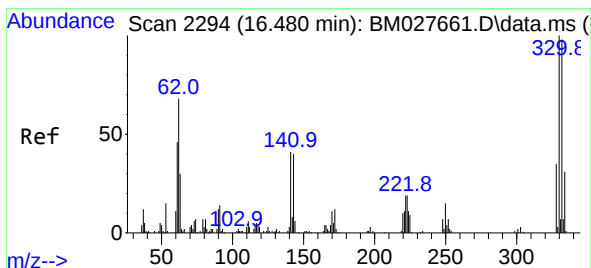
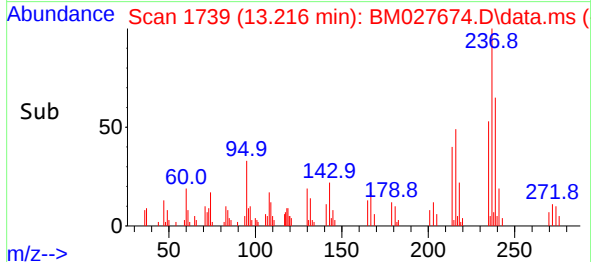
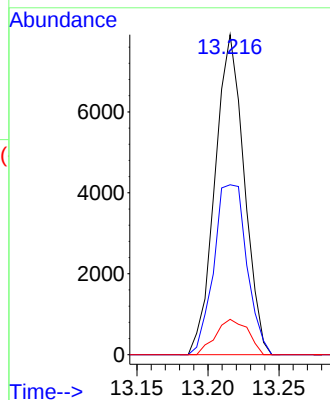
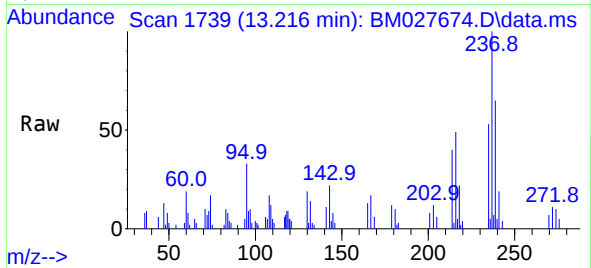
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 11295 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 53.1  | 43.1  | 83.1  |
| 272      | 11.1  | 0.0   | 33.0  |

Instrument :  
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ClientSampleId :  
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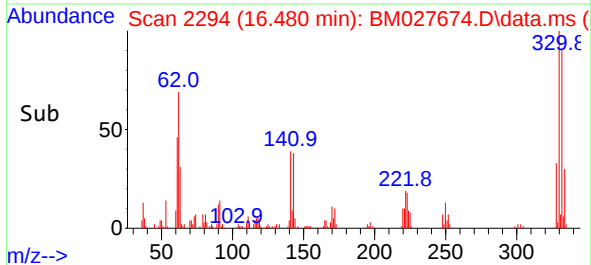
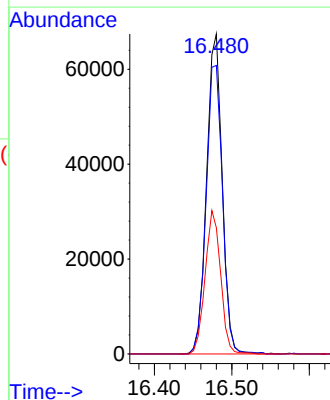
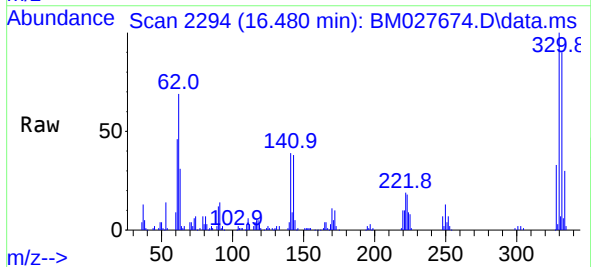
mohammad

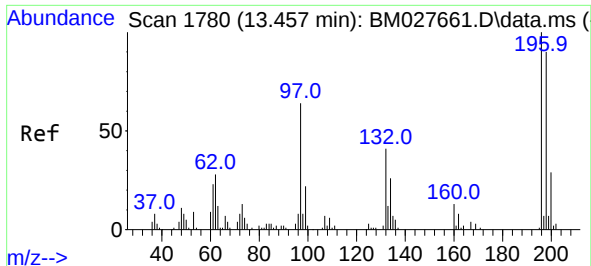
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#42  
2,4,6-Tribromophenol  
Concen: 112.57 ng  
RT: 16.480 min Scan# 2294  
Delta R.T. 0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 94268 |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 94.6  | 77.8  | 116.8 |
| 141      | 44.5  | 28.4  | 42.6# |





#43  
2,4,6-Trichlorophenol  
Concen: 8.38 ng  
RT: 13.457 min Scan# 1780  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

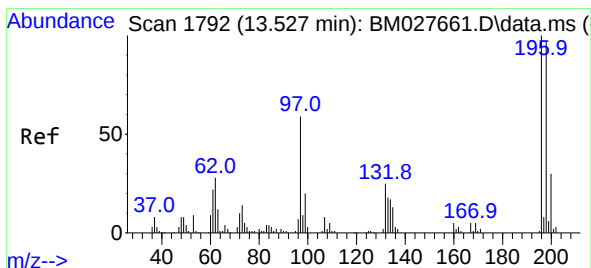
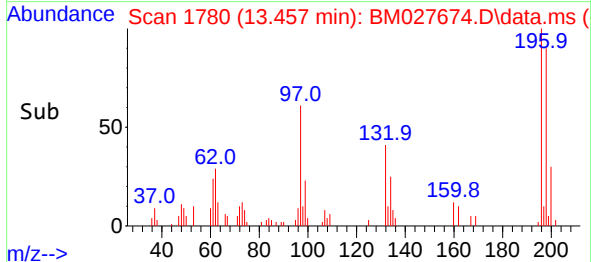
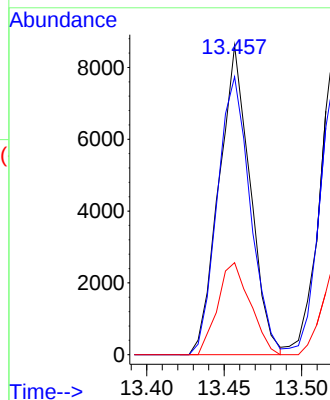
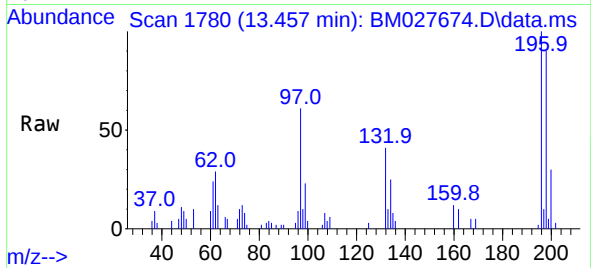
Tgt Ion:196 Resp: 12069  
Ion Ratio Lower Upper  
196 100  
198 89.9 74.9 112.3  
200 29.7 23.7 35.5

Instrument :  
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ClientSampleId :  
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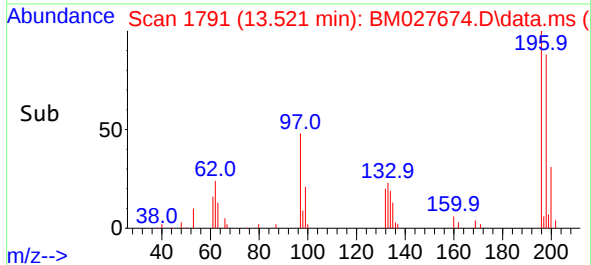
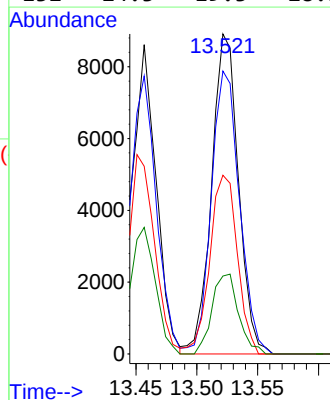
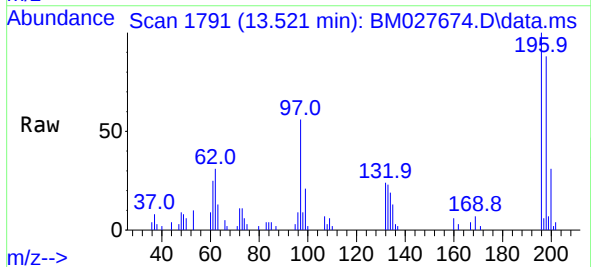
mohammad

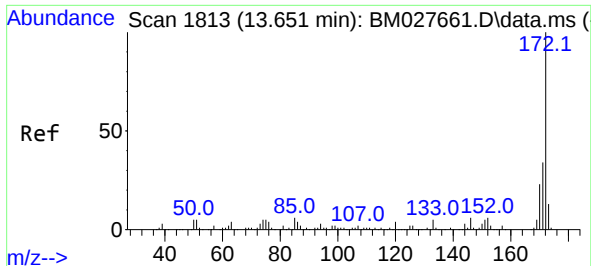
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#44  
2,4,5-Trichlorophenol  
Concen: 8.87 ng  
RT: 13.521 min Scan# 1791  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

Tgt Ion:196 Resp: 13688  
Ion Ratio Lower Upper  
196 100  
198 88.4 79.0 118.6  
97 55.8 40.5 60.7  
132 24.3 19.3 28.9





#45  
2-Fluorobiphenyl  
Concen: 91.38 ng  
RT: 13.651 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

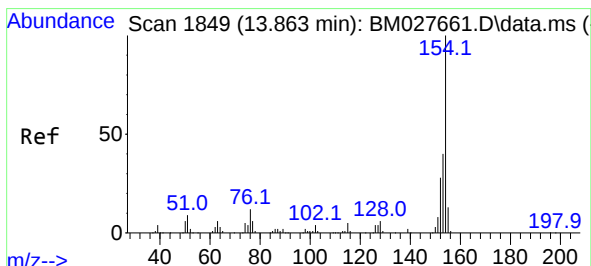
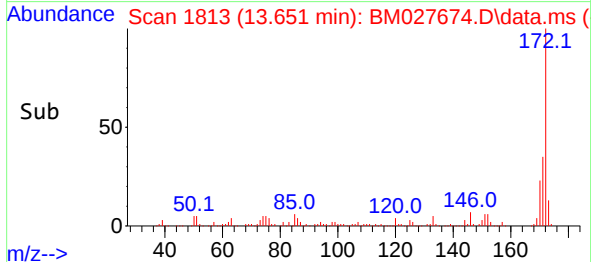
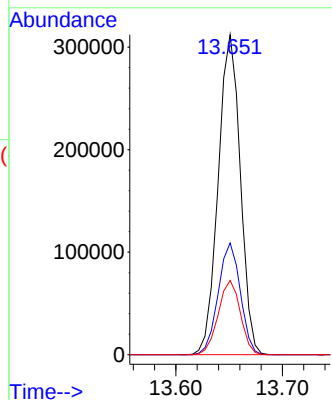
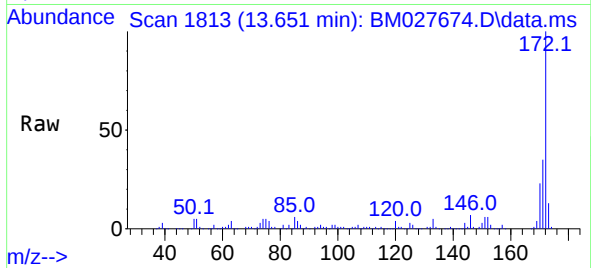
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 449108 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 34.9  | 27.8  | 41.8   |
| 170       | 23.2  | 18.6  | 27.8   |

Instrument :  
BNA\_M  
ClientSampleId :  
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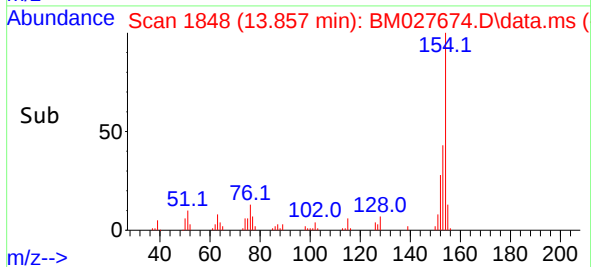
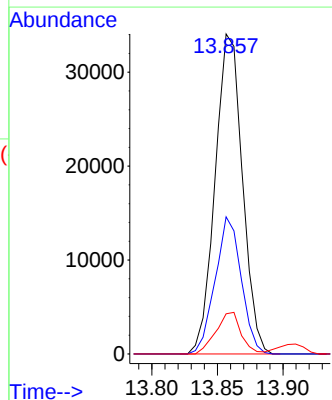
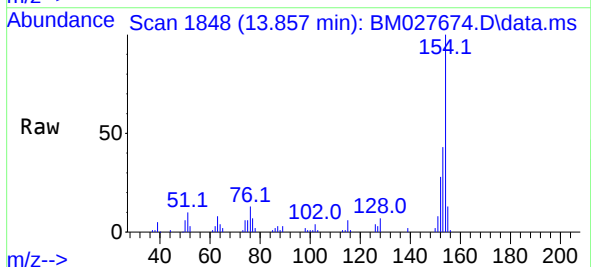
mohammad

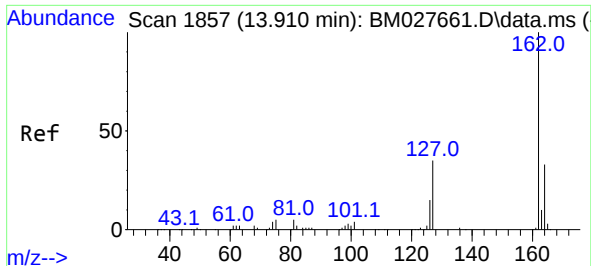
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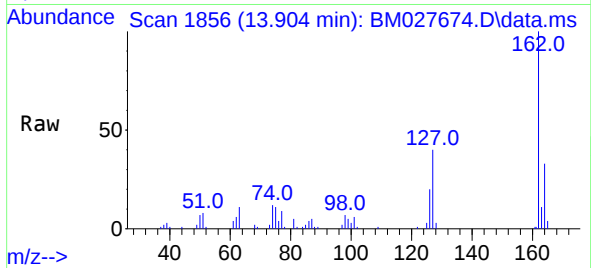
#46  
1,1'-Biphenyl  
Concen: 9.20 ng  
RT: 13.857 min Scan# 1848  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 49281 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 42.9  | 20.0  | 60.0  |
| 76        | 12.6  | 0.0   | 32.0  |

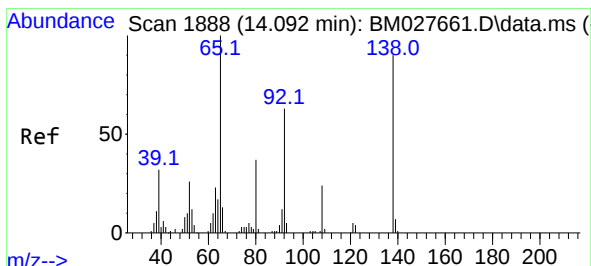
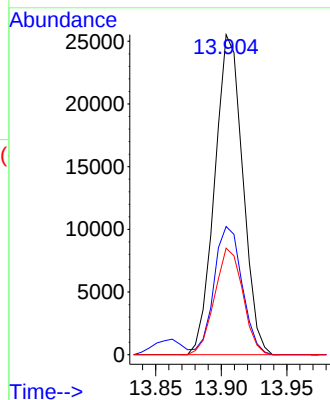
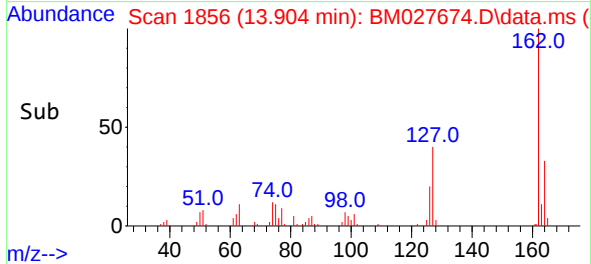




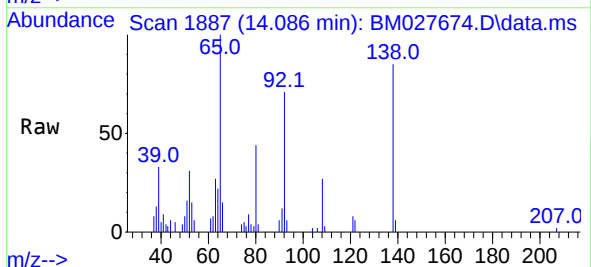
#47  
2-Chloronaphthalene  
Concen: 8.55 ng  
RT: 13.904 min Scan# 1856  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



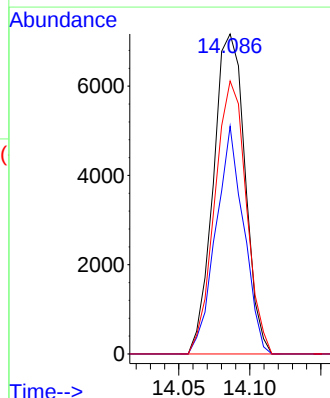
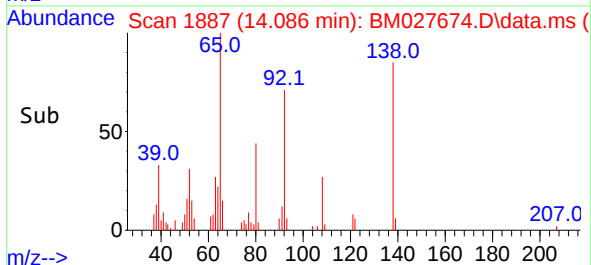
Tgt Ion:162 Resp: 37947  
Ion Ratio Lower Upper  
162 100  
127 40.1 29.6 44.4  
164 33.3 26.2 39.4



#48  
2-Nitroaniline  
Concen: 7.44 ng  
RT: 14.086 min Scan# 1887  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion: 65 Resp: 11109  
Ion Ratio Lower Upper  
65 100  
92 71.2 51.5 77.3  
138 85.3 72.7 109.1

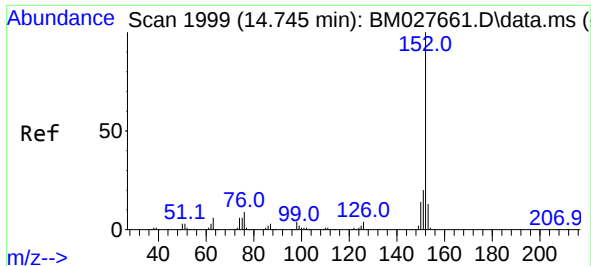


Instrument :  
BNA\_M  
ClientSampleId :  
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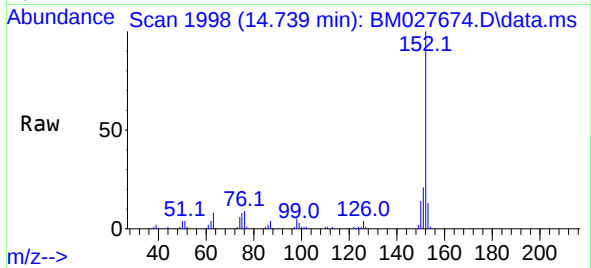
mohammad

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#49  
Acenaphthylene  
Concen: 8.64 ng  
RT: 14.739 min Scan# 1998  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

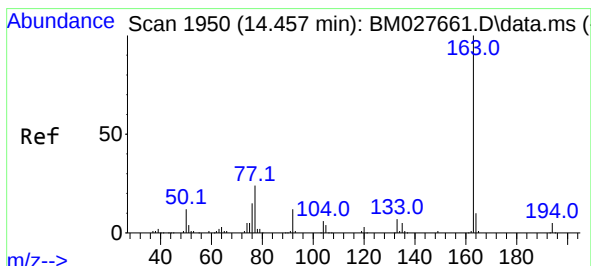
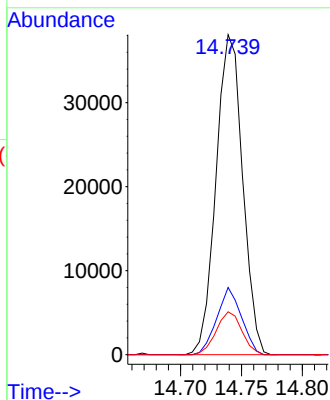
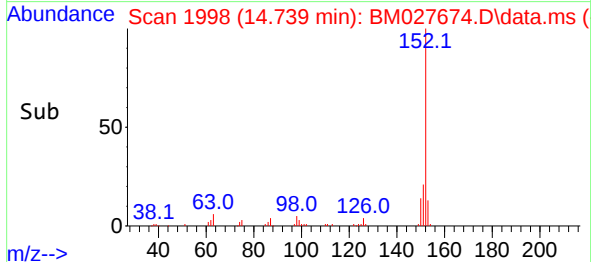


Tgt Ion:152 Resp: 57911  
Ion Ratio Lower Upper  
152 100  
151 21.0 15.8 23.6  
153 13.4 10.4 15.6

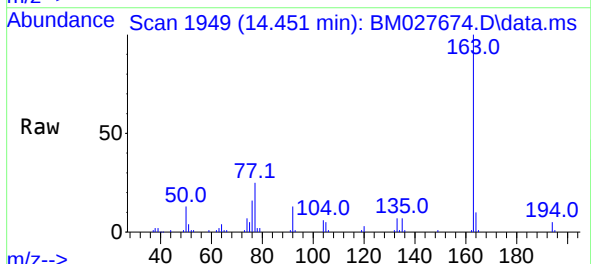
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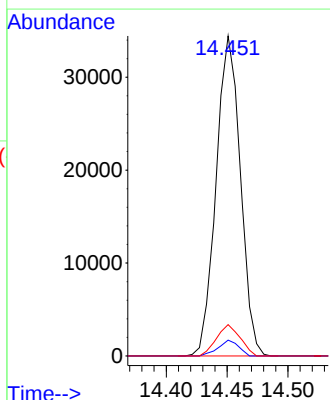
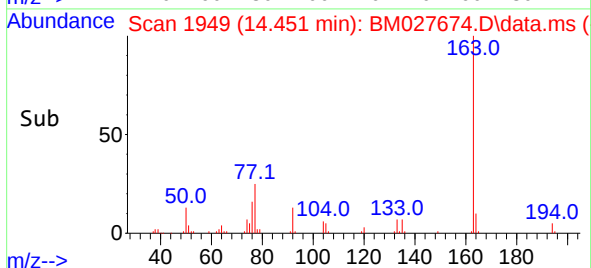
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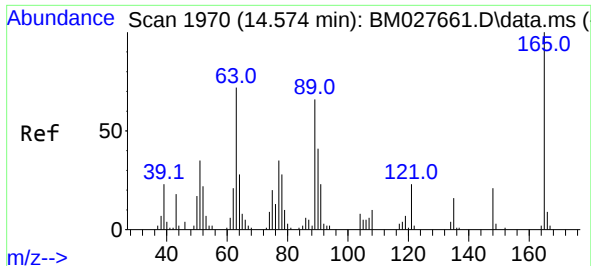


#50  
Dimethylphthalate  
Concen: 8.52 ng  
RT: 14.451 min Scan# 1949  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:163 Resp: 47853  
Ion Ratio Lower Upper  
163 100  
194 5.0 3.4 5.2  
164 9.8 8.1 12.1





#51  
2,6-Dinitrotoluene  
Concen: 8.03 ng  
RT: 14.568 min Scan# 1969  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

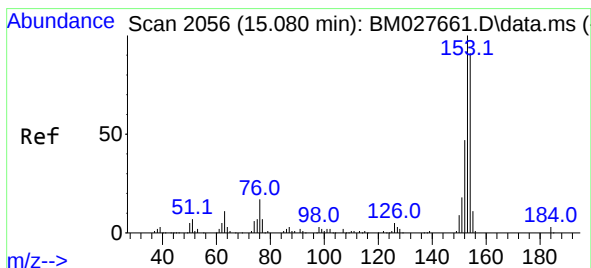
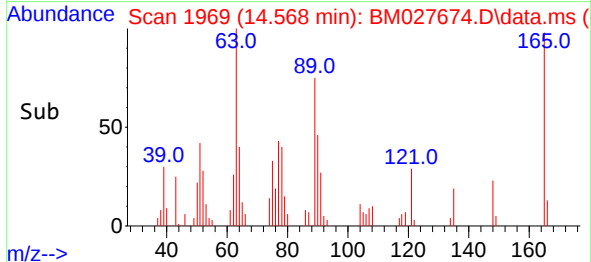
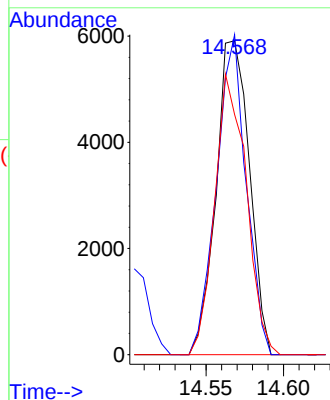
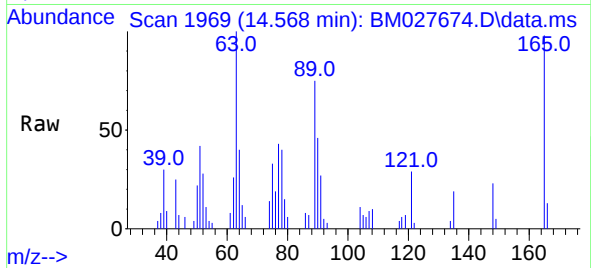
Tgt Ion:165 Resp: 8859  
Ion Ratio Lower Upper  
165 100  
63 101.9 51.1 76.7#  
89 76.5 53.3 79.9

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

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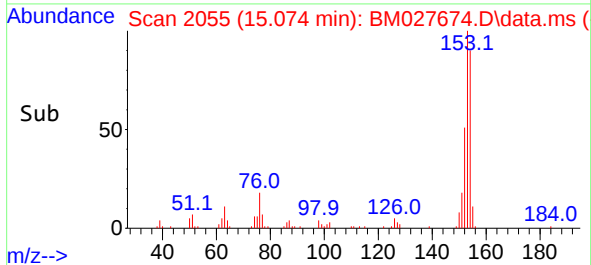
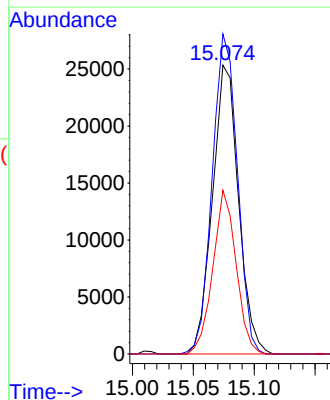
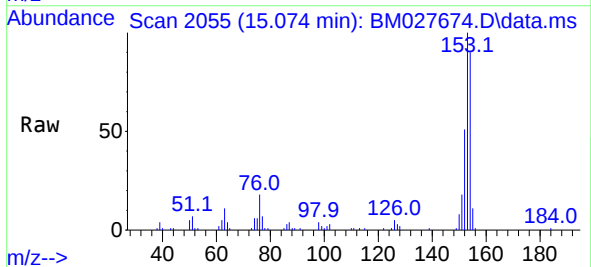
mohammad

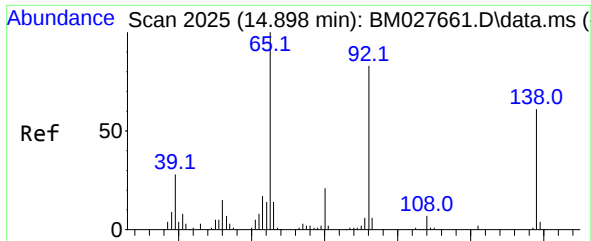
11/3/2020 10:02:47 AM



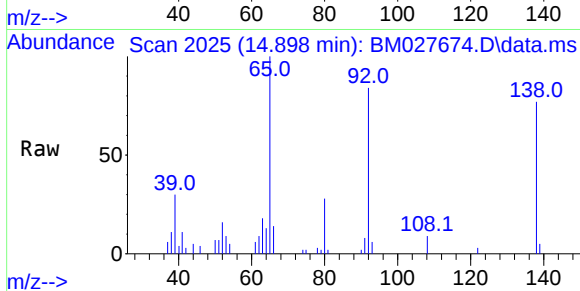
#52  
Acenaphthene  
Concen: 8.59 ng  
RT: 15.074 min Scan# 2055  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

Tgt Ion:154 Resp: 37741  
Ion Ratio Lower Upper  
154 100  
153 110.8 88.3 132.5  
152 56.6 41.4 62.2

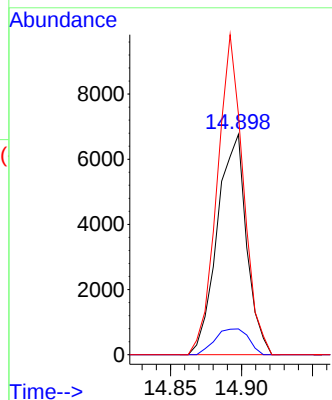
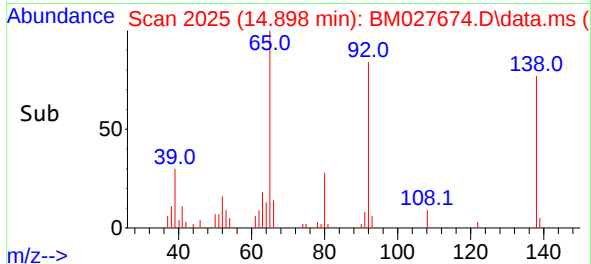




#53  
3-Nitroaniline  
Concen: 7.73 ng  
RT: 14.898 min Scan# 2025  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:138 Resp: 9681  
Ion Ratio Lower Upper  
138 100  
108 11.7 8.6 13.0  
92 109.2 102.1 153.1

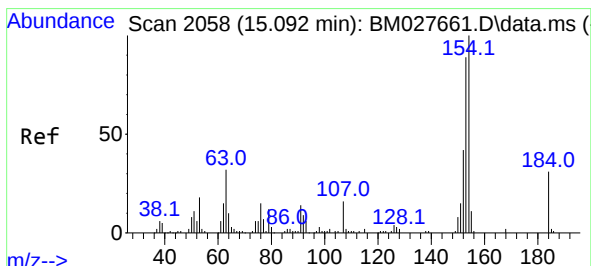


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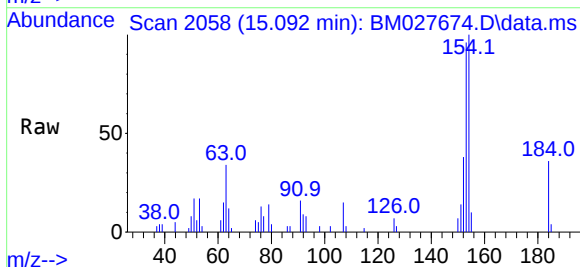
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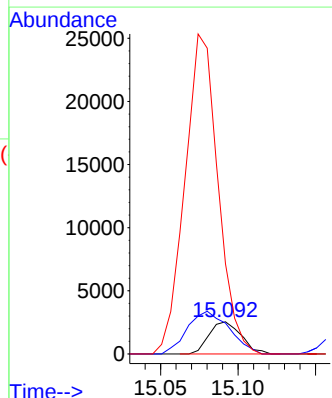
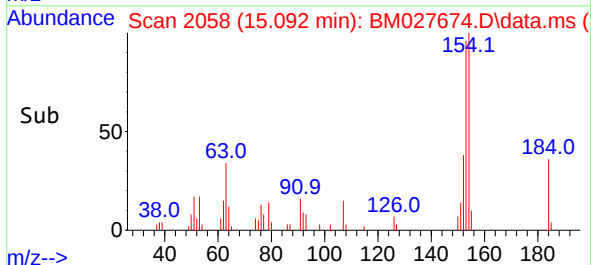
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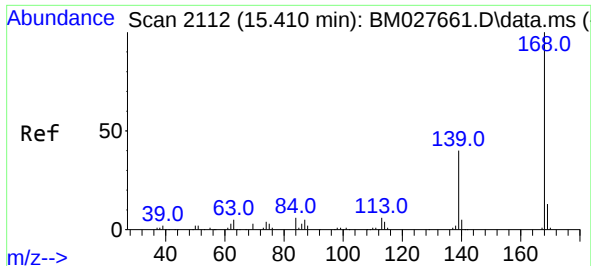


#54  
2,4-Dinitrophenol  
Concen: 7.87 ng  
RT: 15.092 min Scan# 2058  
Delta R.T. -0.000 min  
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Tgt Ion:184 Resp: 3667  
Ion Ratio Lower Upper  
184 100  
63 96.2 60.2 90.2#  
154 280.8 52.9 79.3#





#55  
Dibenzenofuran  
Concen: 9.06 ng  
RT: 15.404 min Scan# 2111  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
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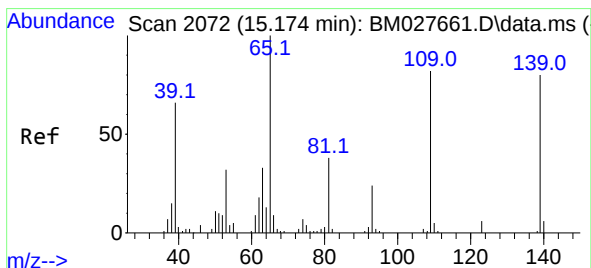
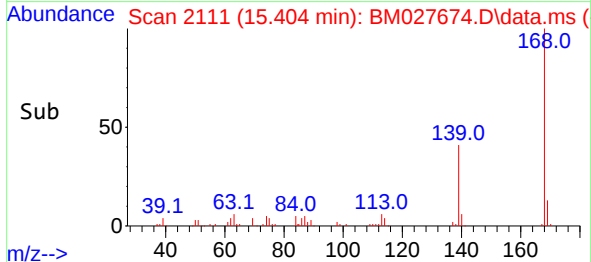
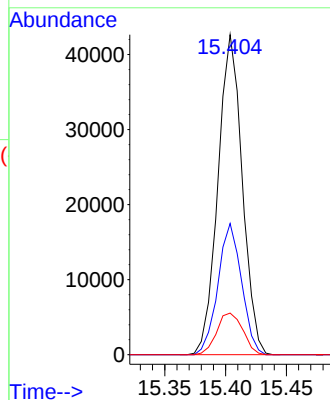
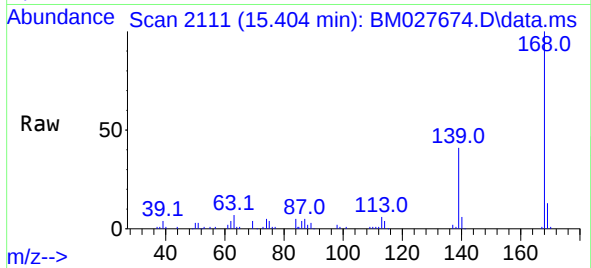
Tgt Ion:168 Resp: 59220  
Ion Ratio Lower Upper  
168 100  
139 41.0 30.2 45.4  
169 13.0 10.6 16.0

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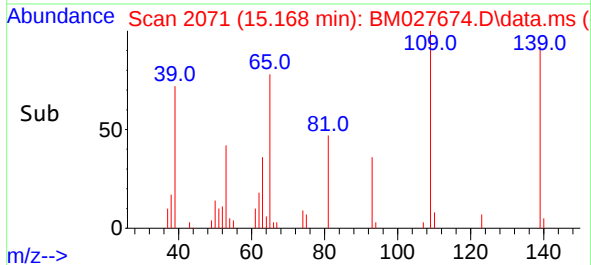
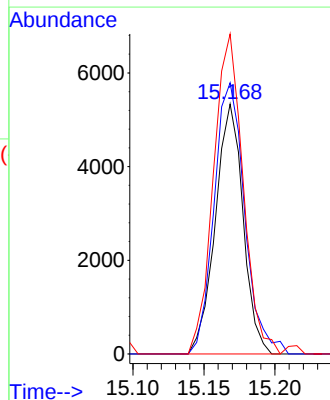
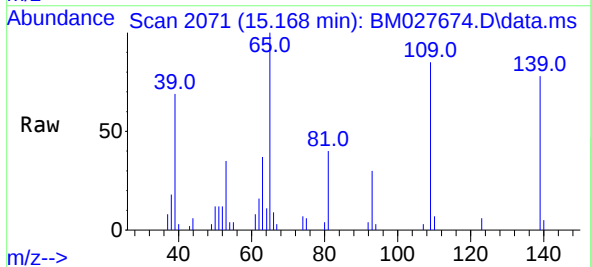
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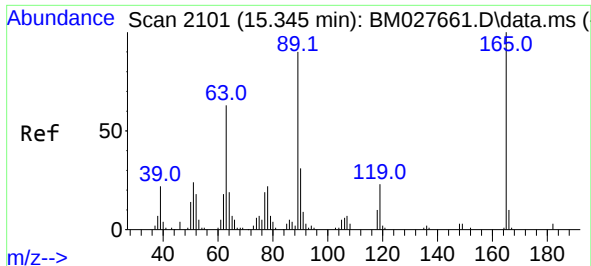
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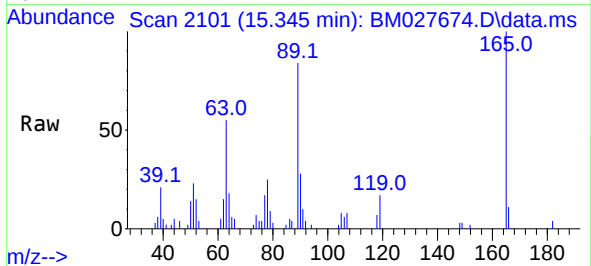
#56  
4-Nitrophenol  
Concen: 7.14 ng  
RT: 15.168 min Scan# 2071  
Delta R.T. -0.006 min  
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Tgt Ion:139 Resp: 7244  
Ion Ratio Lower Upper  
139 100  
109 108.5 77.0 117.0  
65 128.0 103.4 143.4

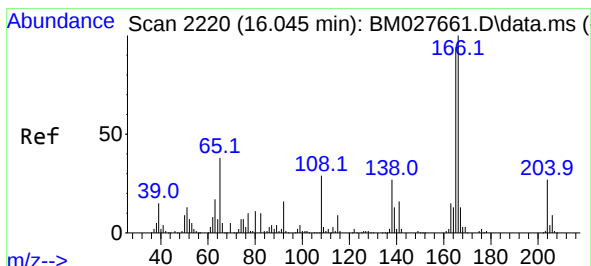
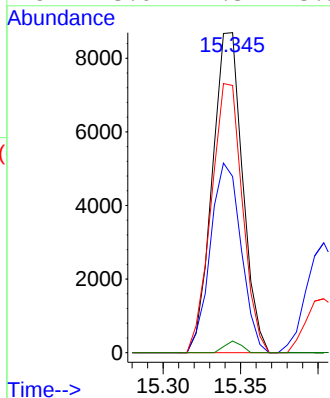
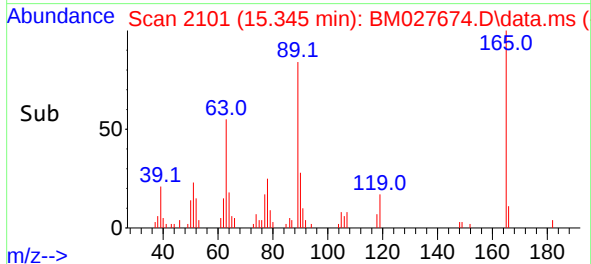




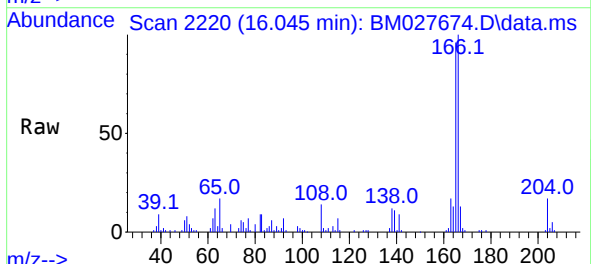
#57  
2,4-Dinitrotoluene  
Concen: 7.89 ng  
RT: 15.345 min Scan# 2101  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
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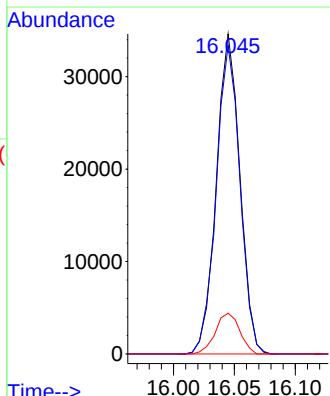
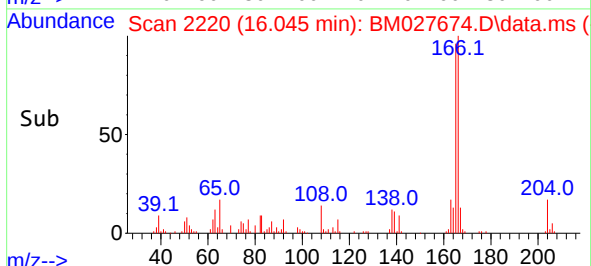
Tgt Ion:165 Resp: 11797  
Ion Ratio Lower Upper  
165 100  
63 55.1 38.8 58.2  
89 83.5 62.6 94.0  
182 3.6 2.3 3.5#



#58  
Fluorene  
Concen: 8.69 ng  
RT: 16.045 min Scan# 2220  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
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Tgt Ion:166 Resp: 46556  
Ion Ratio Lower Upper  
166 100  
165 96.3 76.2 114.2  
167 12.8 10.7 16.1

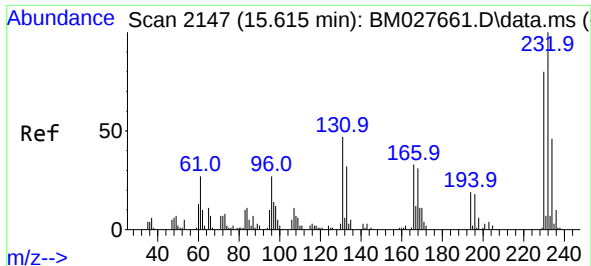


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#59  
2,3,4,6-Tetrachlorophenol  
Concen: 8.67 ng  
RT: 15.615 min Scan# 2147  
Delta R.T. 0.000 min  
Lab File: BM027674.D  
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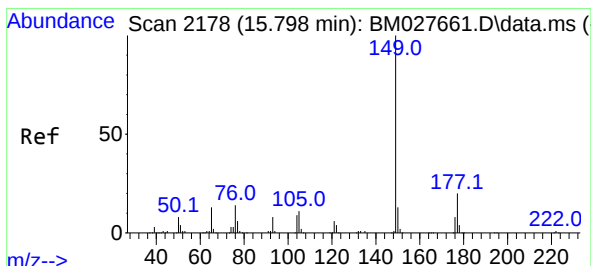
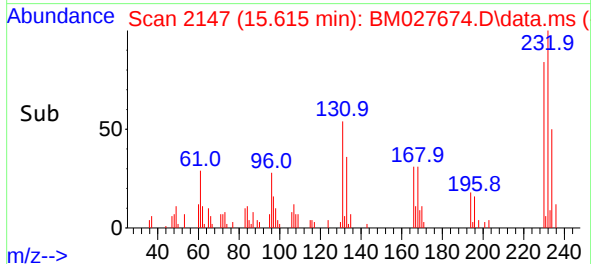
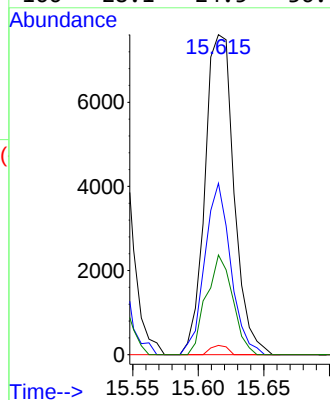
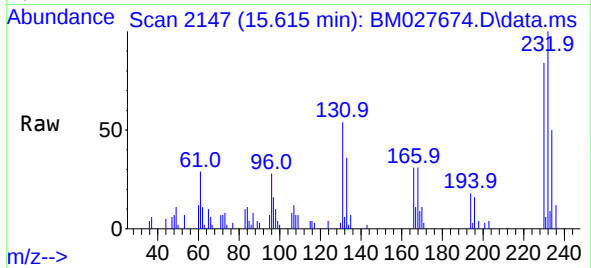
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 232   | Resp: | 11745 |
| Ion Ratio | Lower | Upper |       |
| 232       | 100   |       |       |
| 131       | 48.0  | 32.2  | 48.2  |
| 130       | 1.7   | 1.8   | 2.8#  |
| 166       | 28.1  | 24.5  | 36.7  |

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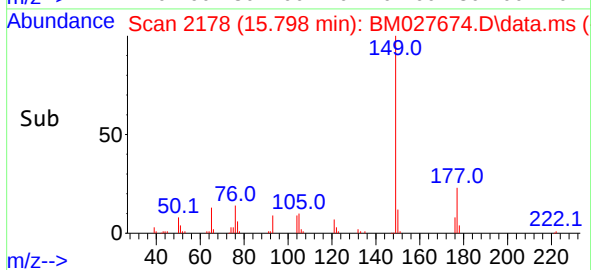
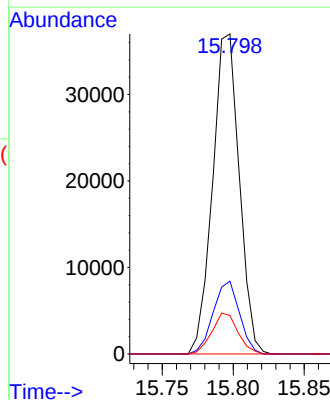
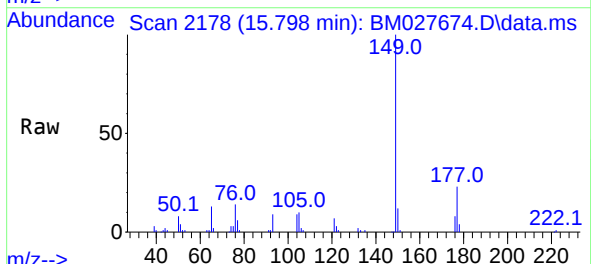
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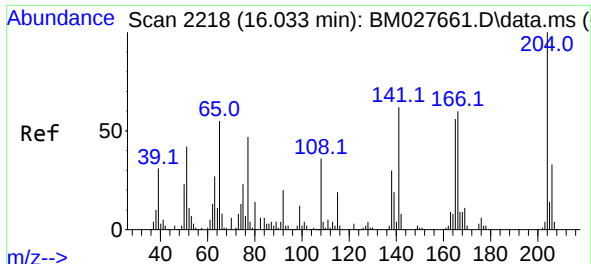
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#60  
Diethylphthalate  
Concen: 8.43 ng  
RT: 15.798 min Scan# 2178  
Delta R.T. -0.000 min  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 48296 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 177       | 22.8  | 18.2  | 27.4  |
| 150       | 12.0  | 10.2  | 15.4  |





#61  
4-Chlorophenyl-phenylether  
Concen: 8.80 ng  
RT: 16.033 min Scan# 2218  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

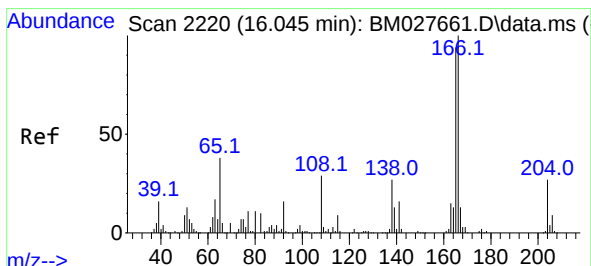
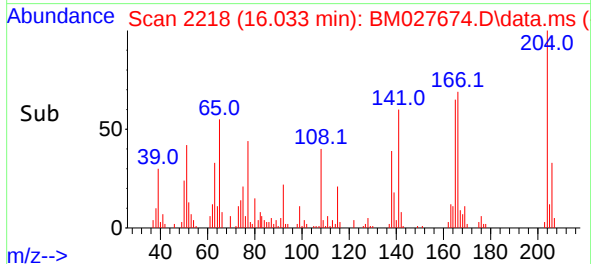
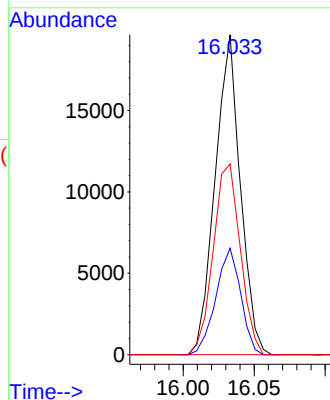
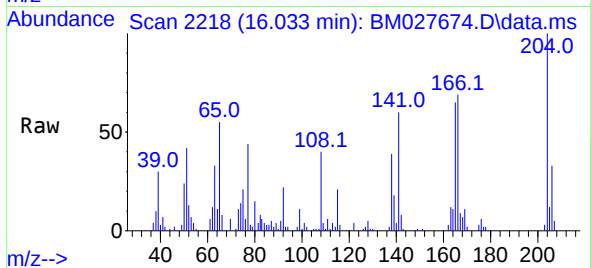
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 204   | Resp: | 24274 |
| Ion Ratio | Lower | Upper |       |
| 204       | 100   |       |       |
| 206       | 33.2  | 26.1  | 39.1  |
| 141       | 59.6  | 43.7  | 65.5  |

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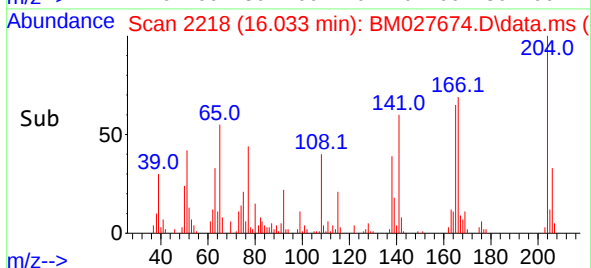
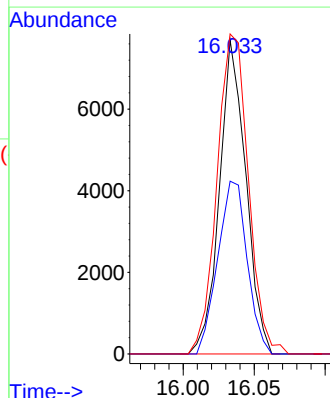
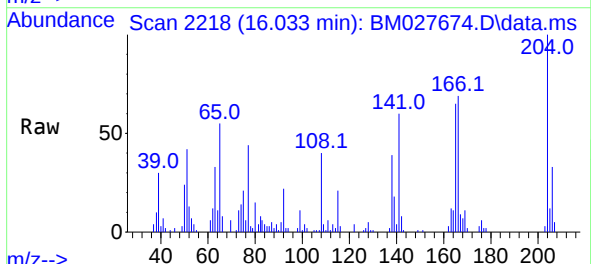
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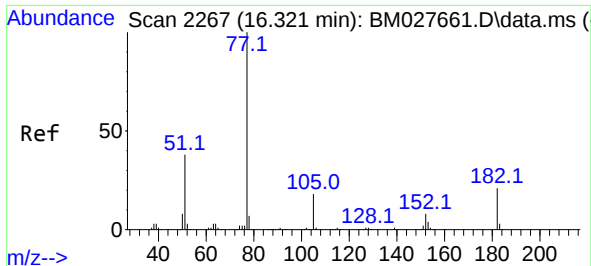
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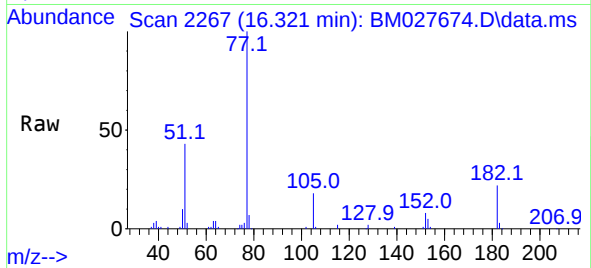
#62  
4-Nitroaniline  
Concen: 7.01 ng  
RT: 16.033 min Scan# 2218  
Delta R.T. -0.012 min  
Lab File: BM027674.D  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 9944  |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 55.1  | 35.5  | 75.5  |
| 108       | 102.0 | 80.5  | 120.5 |

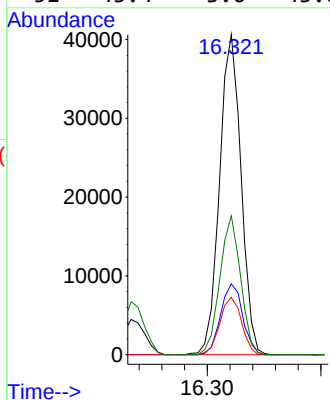




#63  
Azobenzene  
Concen: 9.00 ng  
RT: 16.321 min Scan# 2267  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 53400 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 182 22.2    | 5.8 45.8    |
| 105 17.9    | 0.0 37.2    |
| 51 43.4     | 3.6 43.6    |

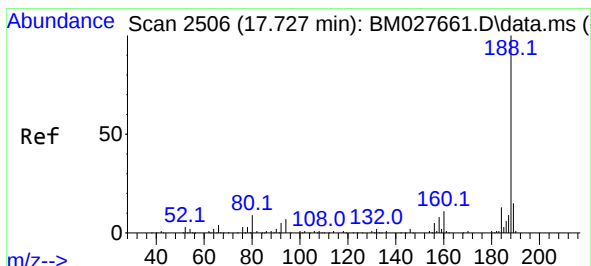
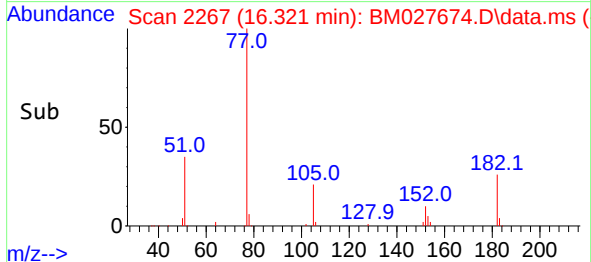


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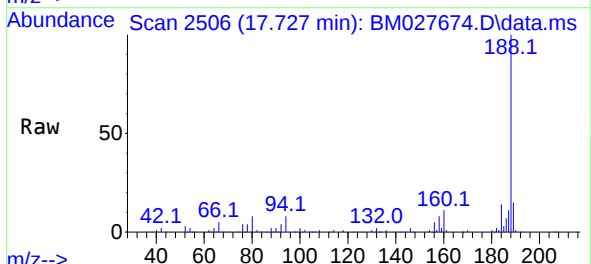
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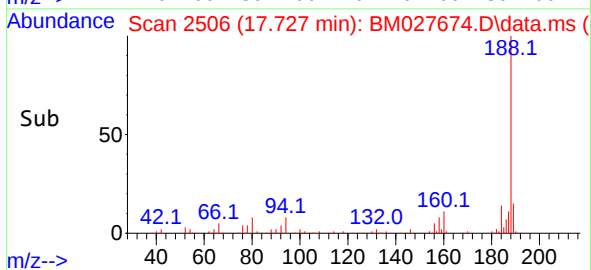
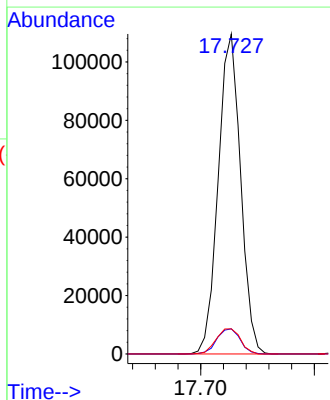
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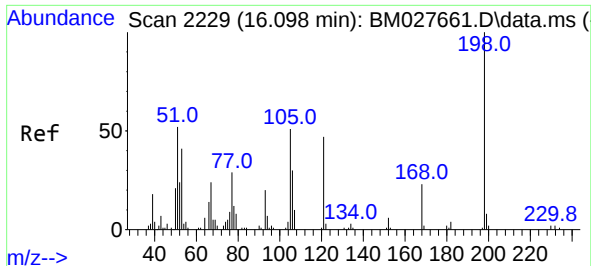


#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.727 min Scan# 2506  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
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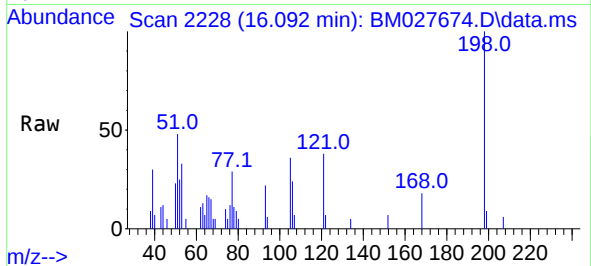


|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 149903 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 7.9      | 6.2 9.4      |
| 80 7.9      | 7.5 11.3     |

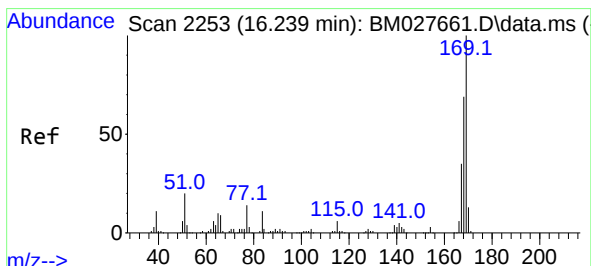
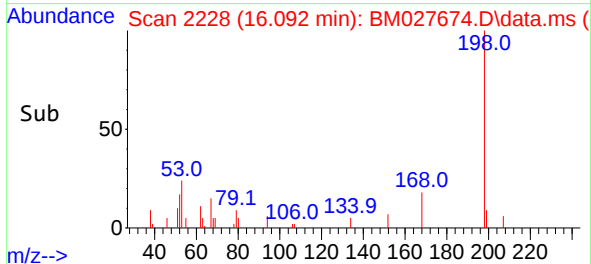
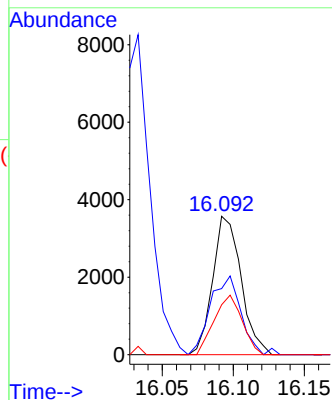




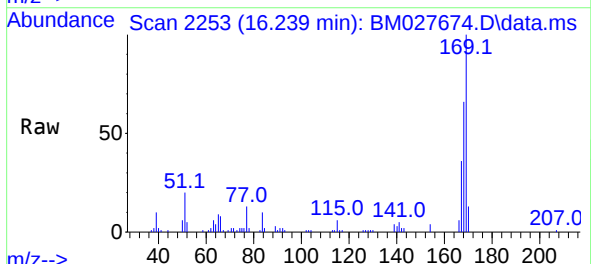
#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.23 ng  
RT: 16.092 min Scan# 2228  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



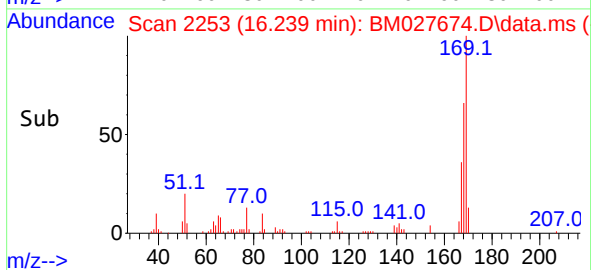
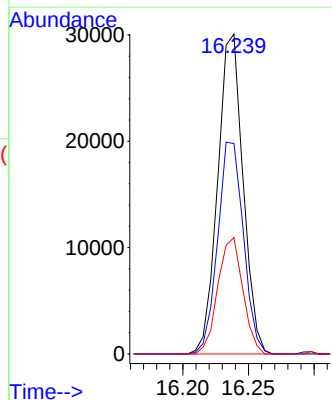
Tgt Ion:198 Resp: 4965  
Ion Ratio Lower Upper  
198 100  
51 47.8 13.0 53.0  
105 36.0 18.7 58.7



#66  
n-Nitrosodiphenylamine  
Concen: 8.92 ng  
RT: 16.239 min Scan# 2253  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:169 Resp: 40348  
Ion Ratio Lower Upper  
169 100  
168 65.7 53.8 80.8  
167 36.4 29.0 43.4

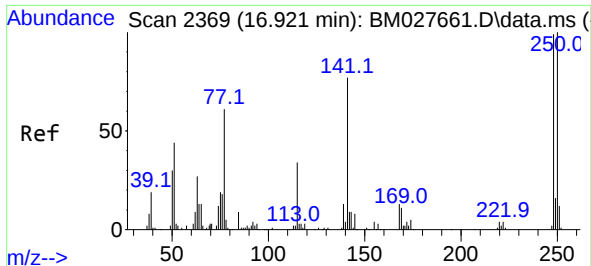


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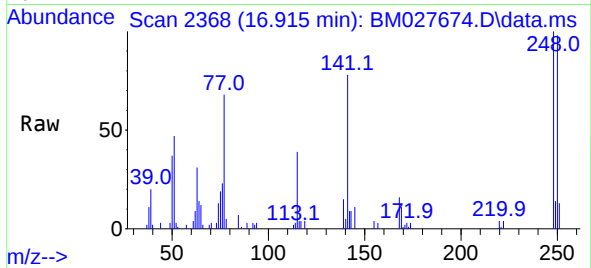
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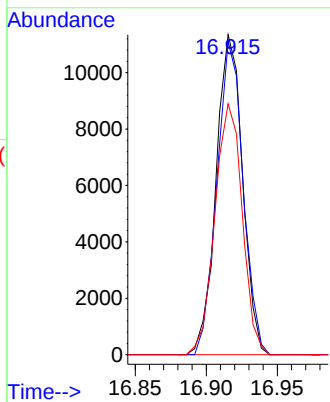
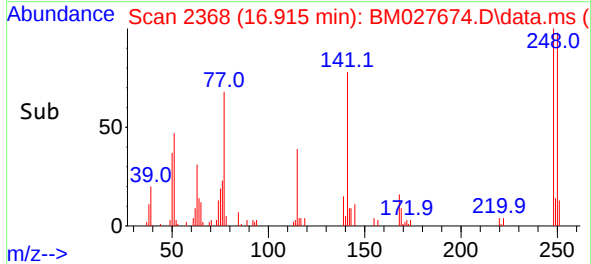
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#67  
4-Bromophenyl-phenylether  
Concen: 9.14 ng  
RT: 16.915 min Scan# 2368  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
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Tgt Ion:248 Resp: 14646  
Ion Ratio Lower Upper  
248 100  
250 97.9 79.1 118.7  
141 78.4 51.8 77.8#

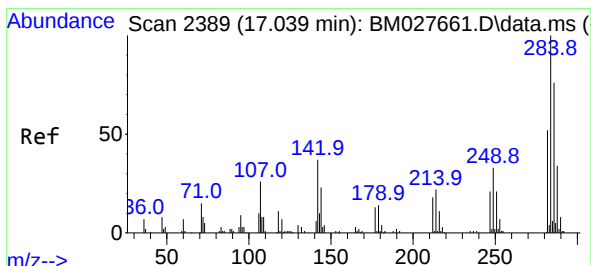


Instrument :  
BNA\_M  
ClientSampleId :  
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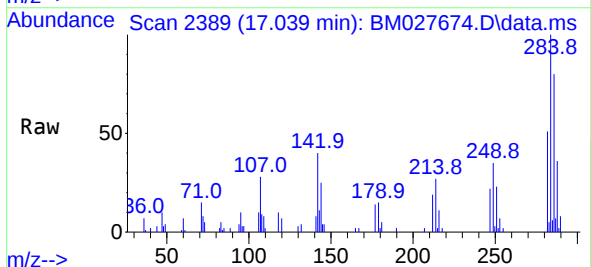
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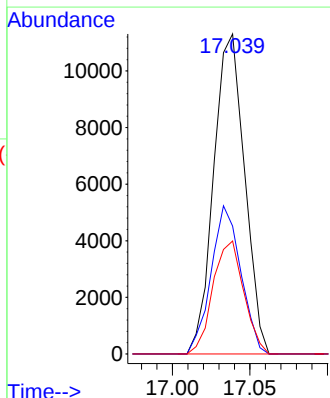
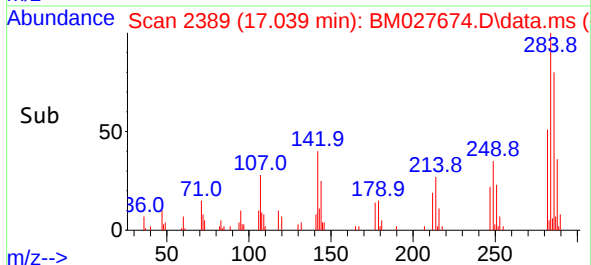
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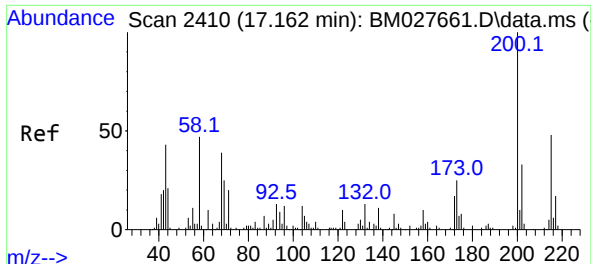


#68  
Hexachlorobenzene  
Concen: 8.44 ng  
RT: 17.039 min Scan# 2389  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:284 Resp: 15687  
Ion Ratio Lower Upper  
284 100  
142 39.9 26.1 39.1#  
249 35.3 25.6 38.4





#69  
Atrazine  
Concen: 8.64 ng  
RT: 17.156 min Scan# 2409  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

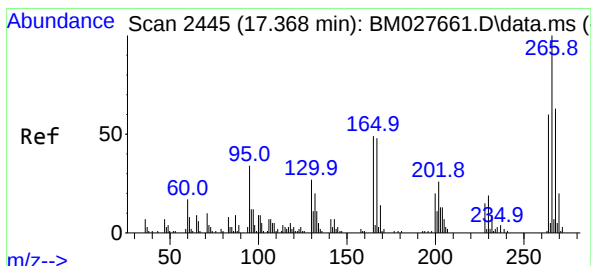
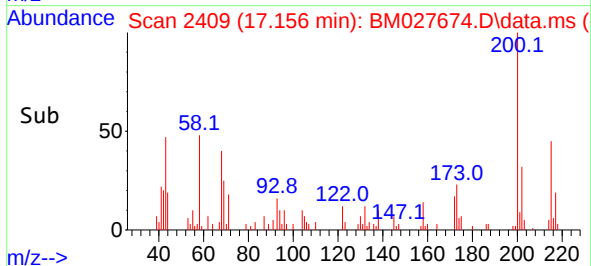
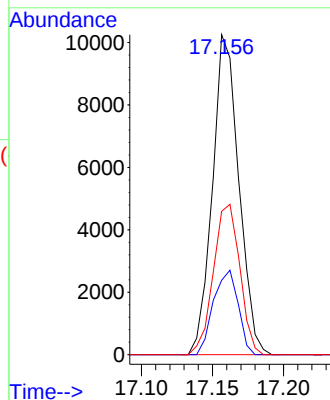
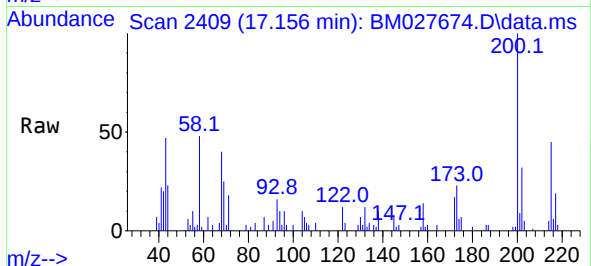
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|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 13239 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 23.3  | 4.9   | 44.9  |
| 215       | 44.8  | 29.0  | 69.0  |

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

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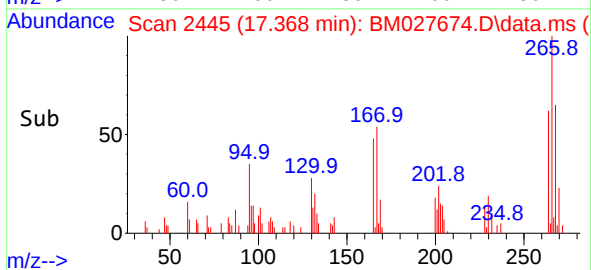
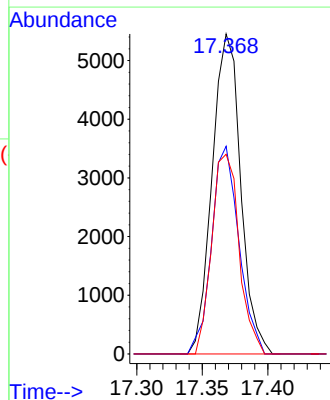
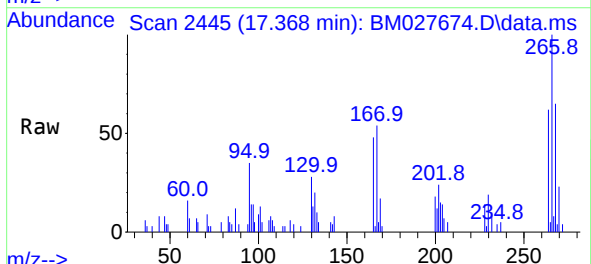
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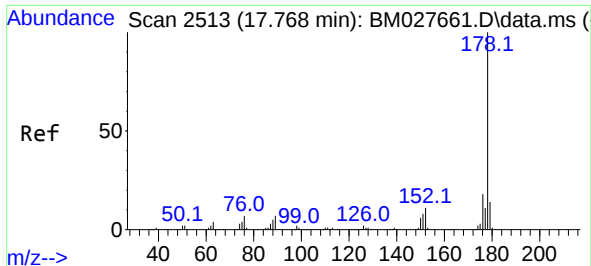
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#70  
Pentachlorophenol  
Concen: 8.19 ng  
RT: 17.368 min Scan# 2445  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

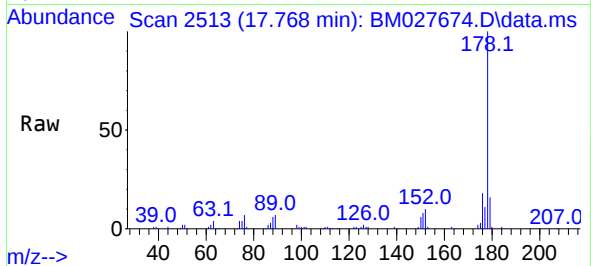
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 8252 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 268       | 64.9  | 49.9  | 74.9 |
| 264       | 62.4  | 50.6  | 76.0 |





#71  
Phenanthrene  
Concen: 8.85 ng  
RT: 17.768 min Scan# 2513  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

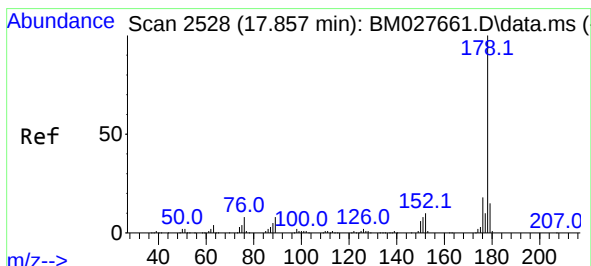
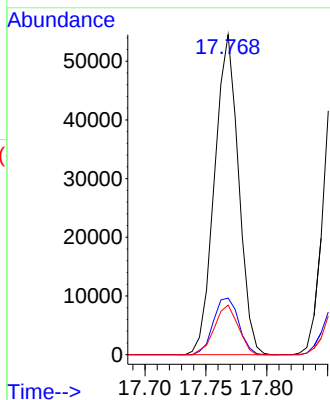
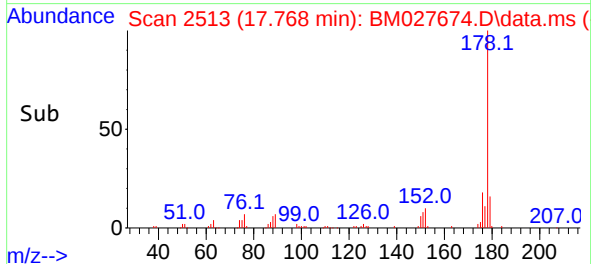


Tgt Ion:178 Resp: 74871  
Ion Ratio Lower Upper  
178 100  
176 17.7 15.0 22.6  
179 15.5 12.2 18.4

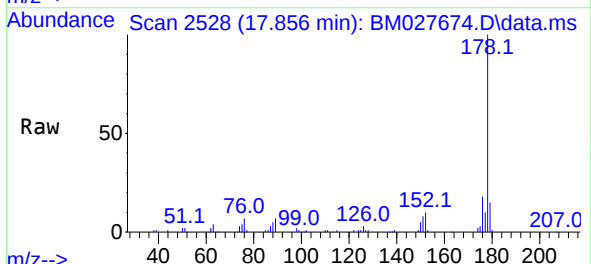
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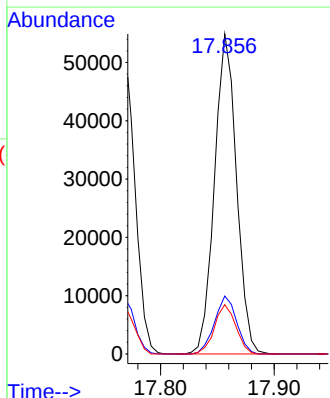
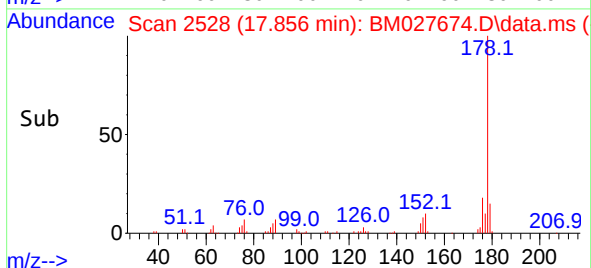
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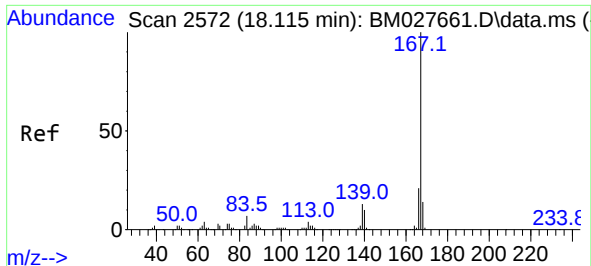


#72  
Anthracene  
Concen: 8.93 ng  
RT: 17.856 min Scan# 2528  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



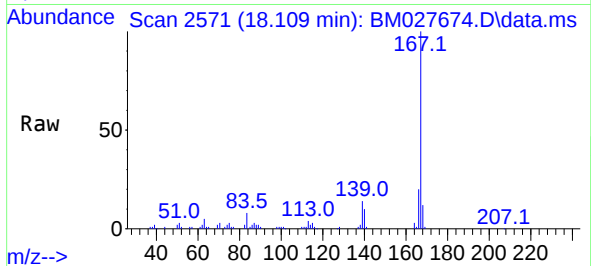
Tgt Ion:178 Resp: 73871  
Ion Ratio Lower Upper  
178 100  
176 18.1 15.0 22.4  
179 15.4 12.5 18.7





#73  
Carbazole  
Concen: 8.68 ng  
RT: 18.109 min Scan# 2571  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

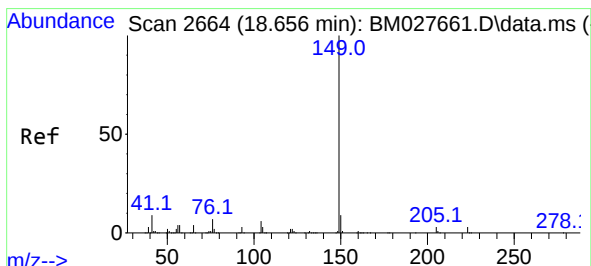
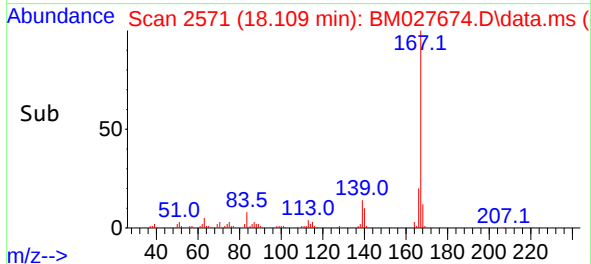
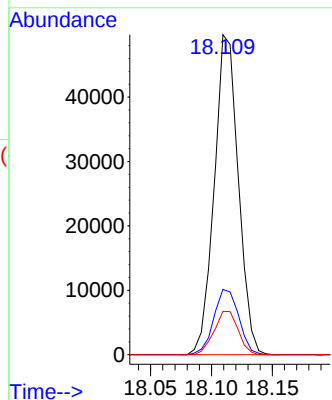


Tgt Ion:167 Resp: 68273  
Ion Ratio Lower Upper  
167 100  
166 20.4 16.9 25.3  
139 13.6 9.9 14.9

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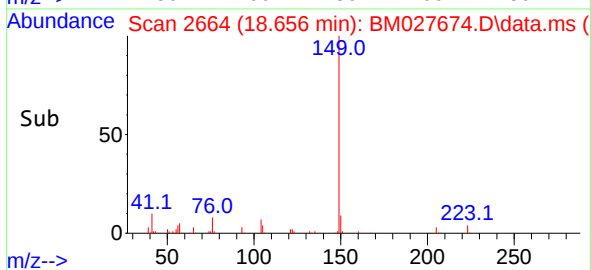
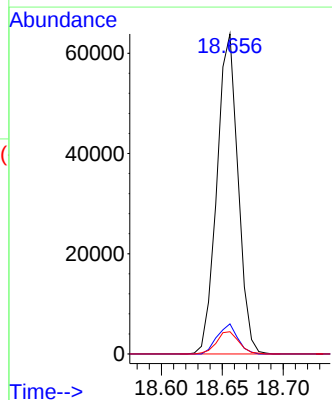
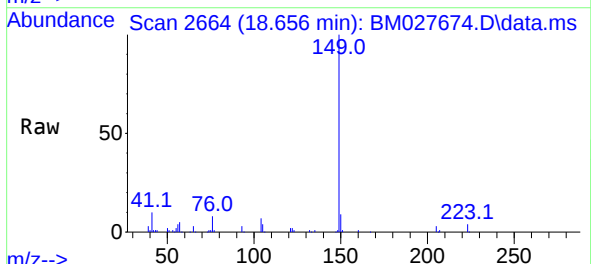
mohammad

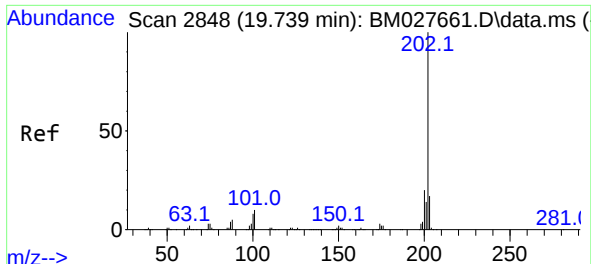
11/3/2020 10:02:47 AM



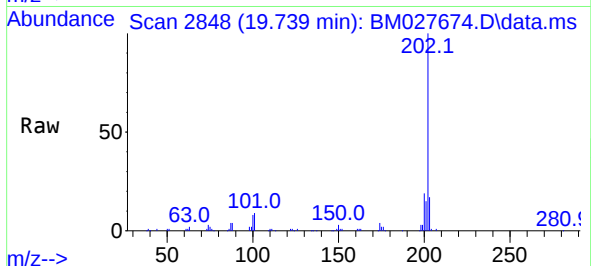
#74  
Di-n-butylphthalate  
Concen: 8.36 ng  
RT: 18.656 min Scan# 2664  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

Tgt Ion:149 Resp: 77207  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.4 11.0  
104 6.9 4.7 7.1

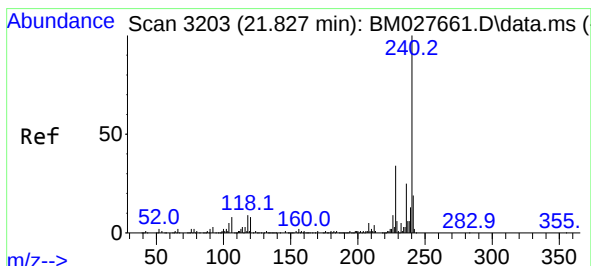
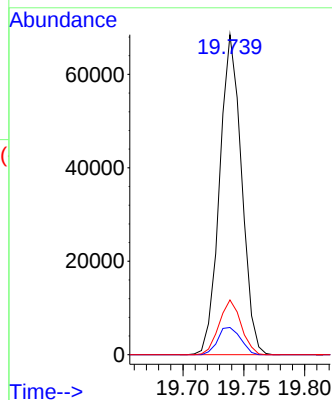
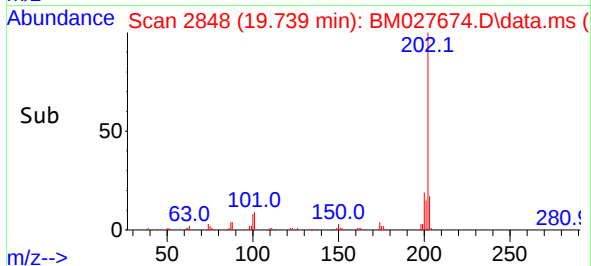




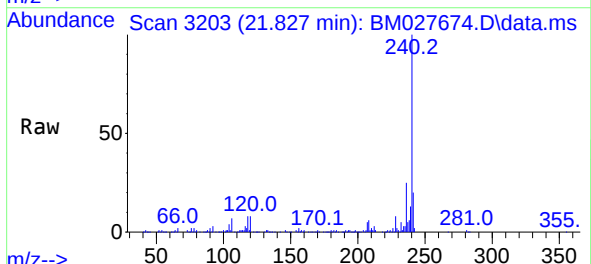
#75  
Fluoranthene  
Concen: 8.64 ng  
RT: 19.739 min Scan# 2848  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



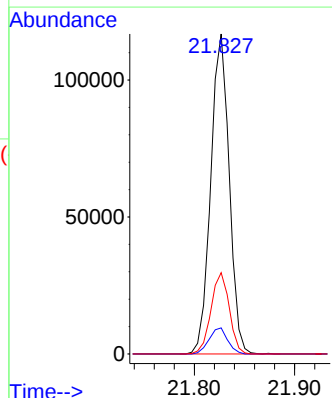
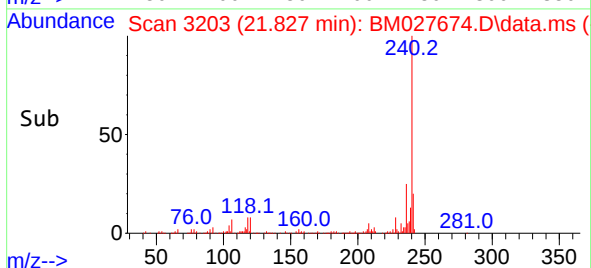
Tgt Ion:202 Resp: 85935  
Ion Ratio Lower Upper  
202 100  
101 8.5 0.0 28.5  
203 17.1 0.0 37.3



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.827 min Scan# 3203  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:240 Resp: 148988  
Ion Ratio Lower Upper  
240 100  
120 8.2 6.4 9.6  
236 25.4 20.1 30.1

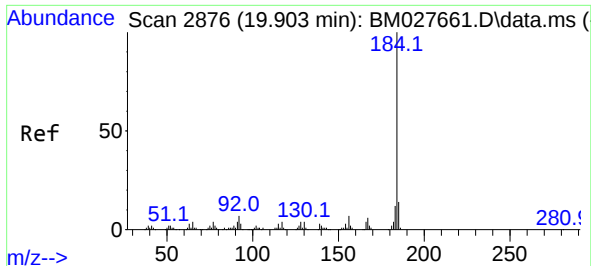


Instrument :  
BNA\_M  
ClientSampleId :  
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#77  
Benzidine  
Concen: 8.69 ng  
RT: 19.903 min Scan# 2876  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

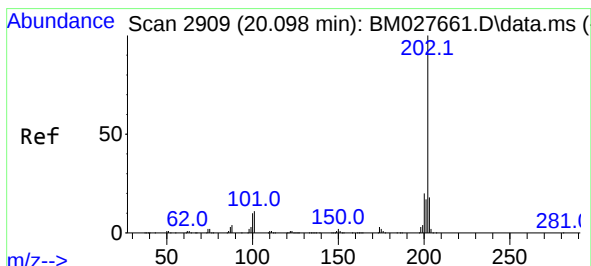
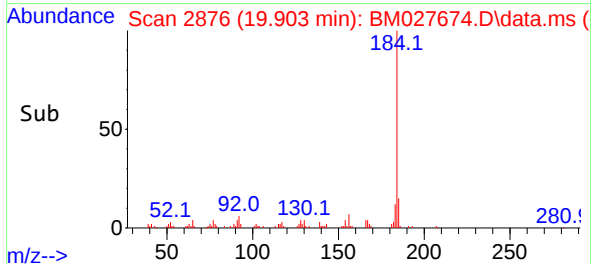
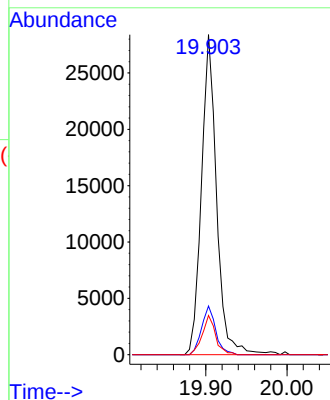
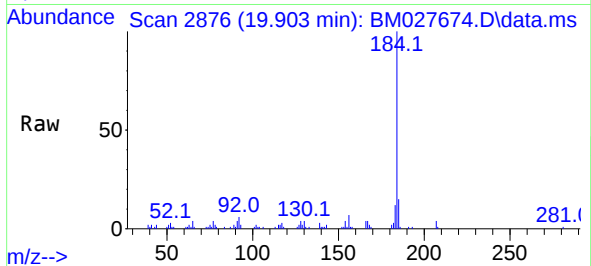
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 36838 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 15.2  | 11.0  | 16.6  |
| 183       | 12.3  | 9.7   | 14.5  |

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

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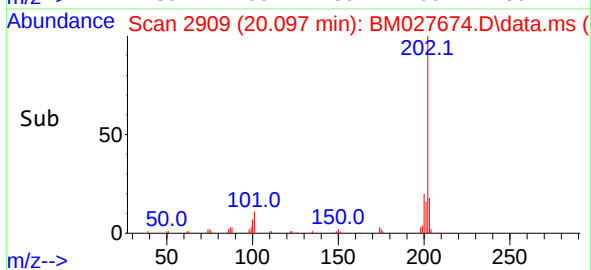
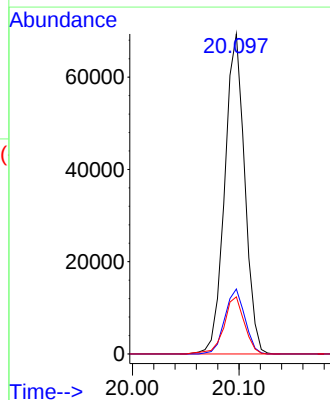
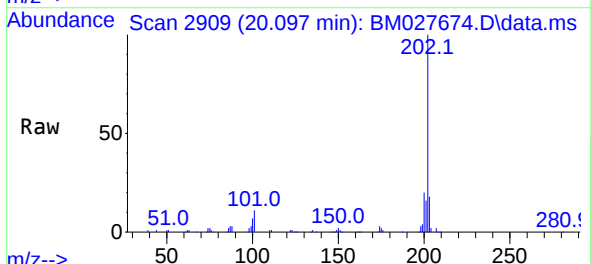
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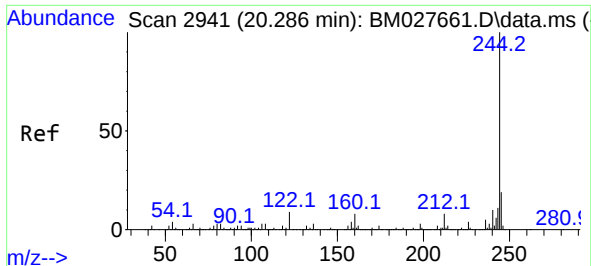
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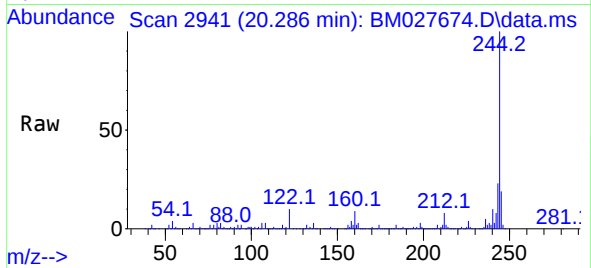
#78  
Pyrene  
Concen: 8.72 ng  
RT: 20.097 min Scan# 2909  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 90149 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 20.3  | 16.6  | 24.8  |
| 203       | 17.9  | 13.8  | 20.6  |

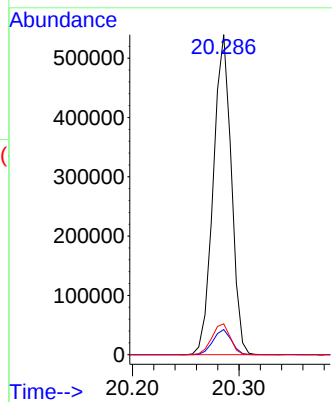
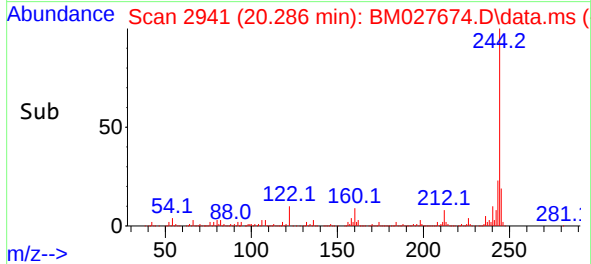




#79  
 Terphenyl-d14  
 Concen: 83.85 ng  
 RT: 20.286 min Scan# 2941  
 Delta R.T. -0.000 min  
 Lab File: BM027674.D  
 Acq: 02 Nov 2020 13:05



Tgt Ion:244 Resp: 633272  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 5.8 8.8  
 122 9.7 6.5 9.7

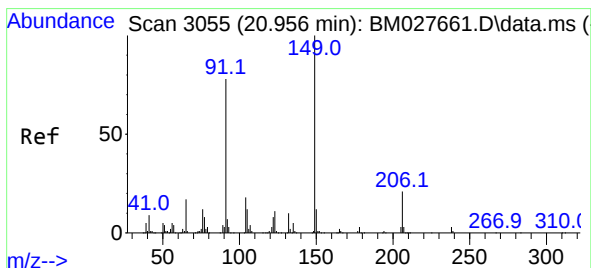


Instrument :  
 BNA\_M  
 ClientSampleId :  
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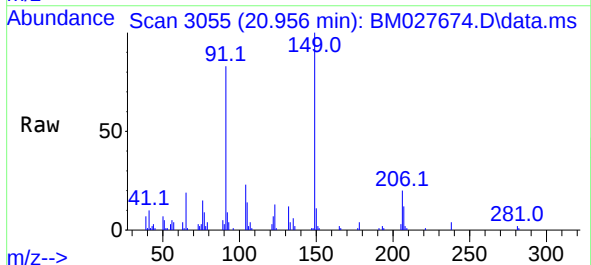
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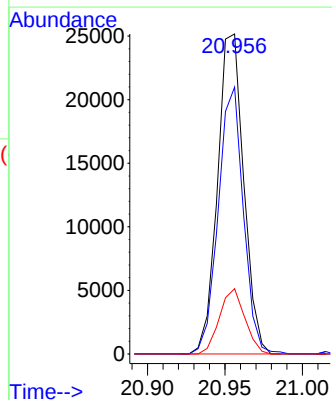
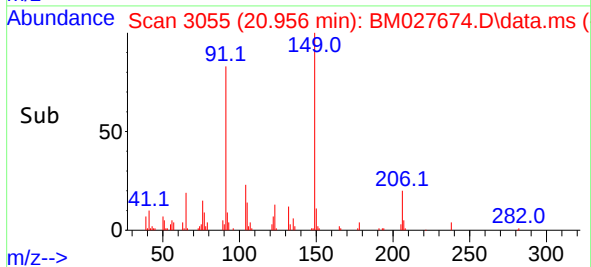
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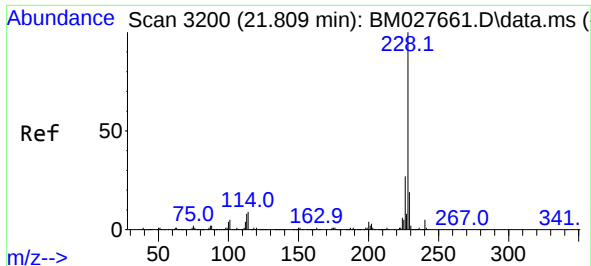


#80  
 Butylbenzylphthalate  
 Concen: 7.57 ng  
 RT: 20.956 min Scan# 3055  
 Delta R.T. -0.000 min  
 Lab File: BM027674.D  
 Acq: 02 Nov 2020 13:05



Tgt Ion:149 Resp: 29593  
 Ion Ratio Lower Upper  
 149 100  
 91 83.4 58.1 87.1  
 206 20.4 18.7 28.1





#81  
Benzo(a)anthracene  
Concen: 8.73 ng  
RT: 21.809 min Scan# 3200  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

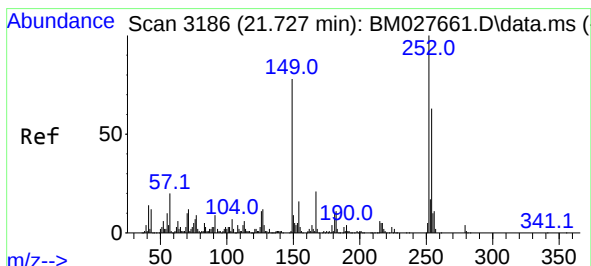
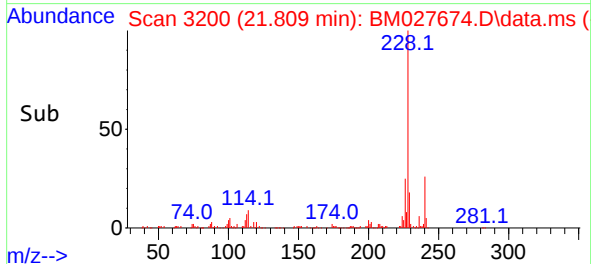
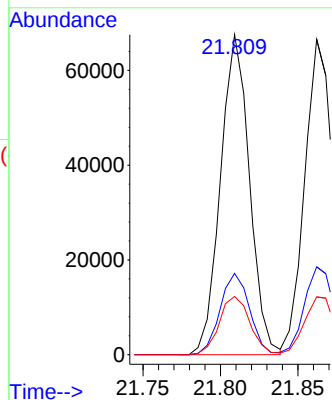
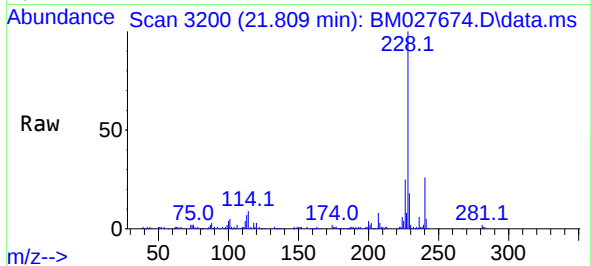
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 87813 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 25.4  | 21.1  | 31.7  |
| 229       | 18.2  | 15.7  | 23.5  |

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

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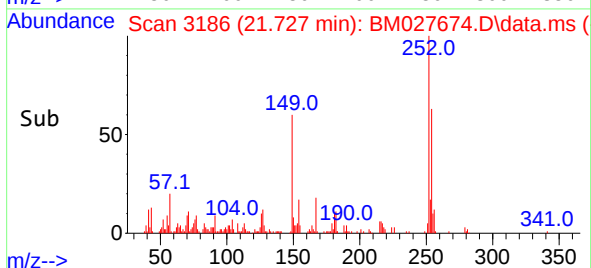
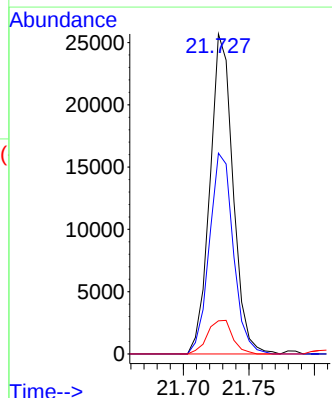
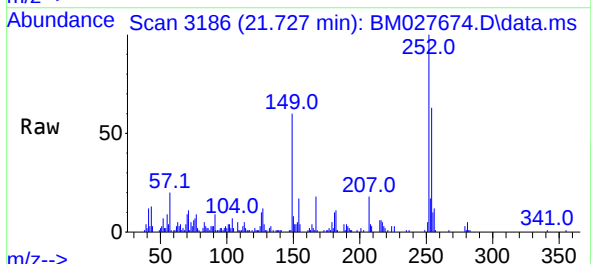
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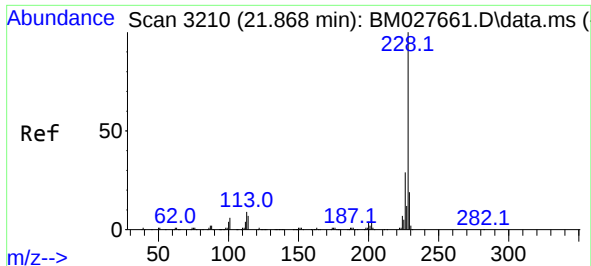
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#82  
3,3'-Dichlorobenzidine  
Concen: 9.11 ng  
RT: 21.727 min Scan# 3186  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 31431 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 254       | 62.7  | 51.4  | 77.0  |
| 126       | 10.4  | 6.8   | 10.2# |





#83  
Chrysene  
Concen: 8.79 ng  
RT: 21.862 min Scan# 3209  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

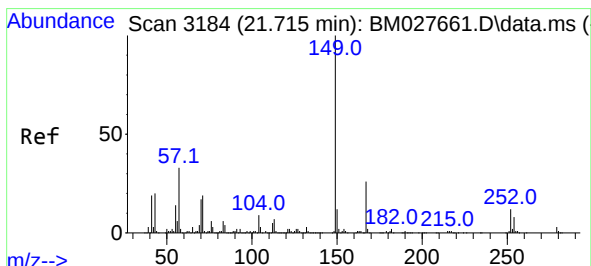
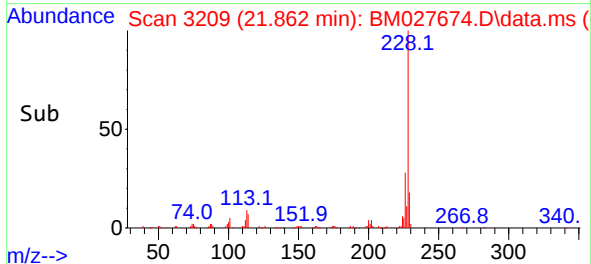
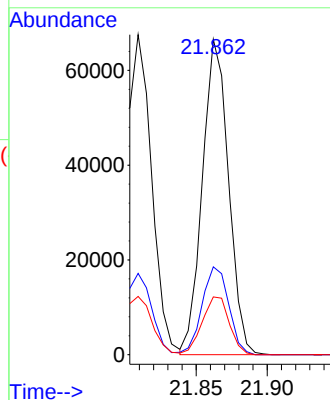
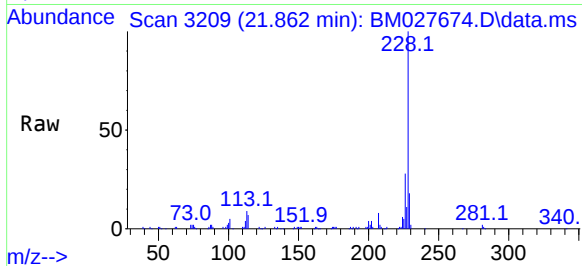
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 85250 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 27.9  | 23.4  | 35.0  |
| 229      | 18.3  | 15.7  | 23.5  |

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT4-2020

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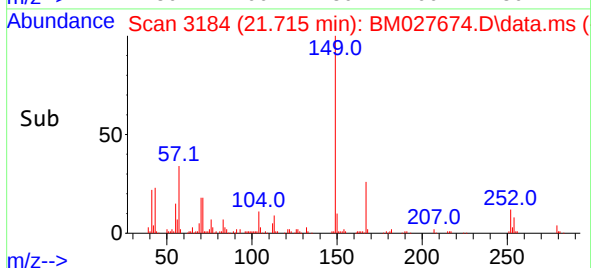
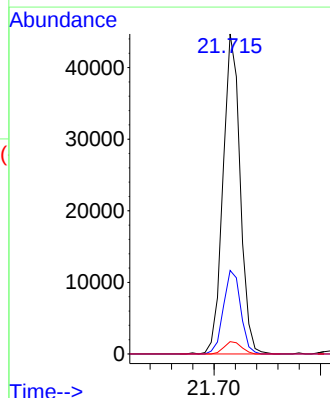
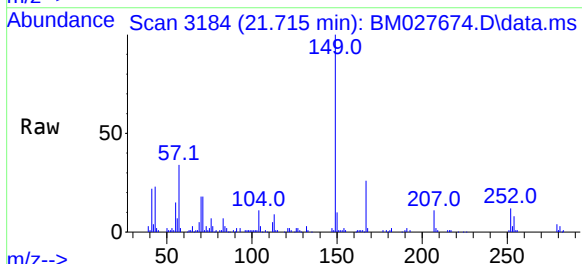
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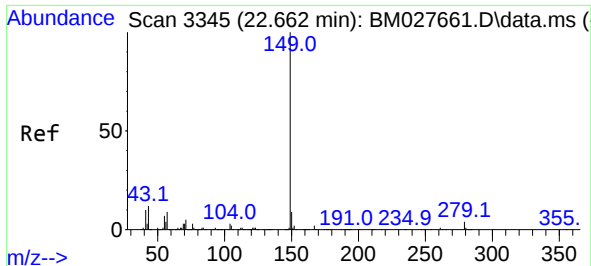
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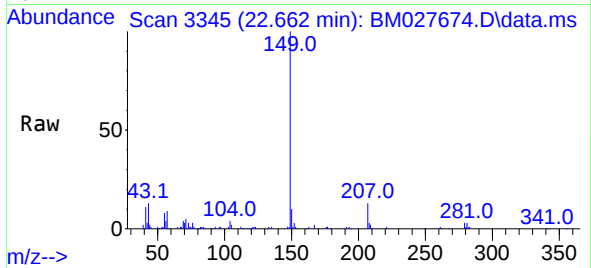
#84  
Bis(2-ethylhexyl)phthalate  
Concen: 8.72 ng  
RT: 21.715 min Scan# 3184  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 49855 |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 167      | 26.1  | 22.7  | 34.1  |
| 279      | 3.8   | 4.0   | 6.0#  |

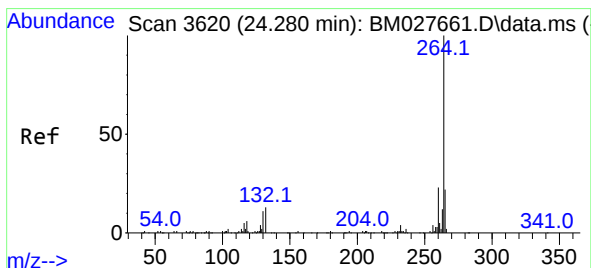
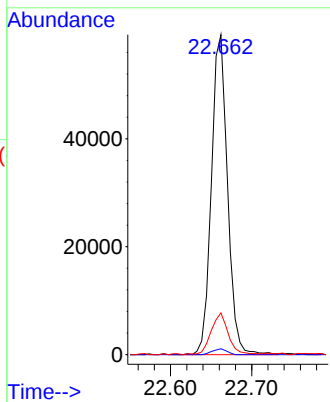
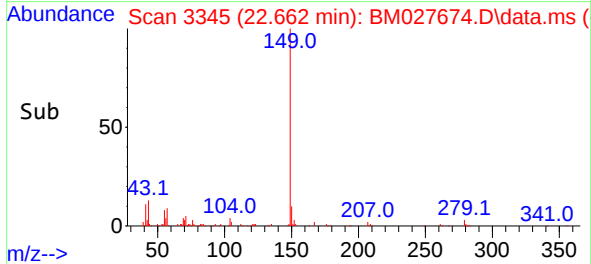




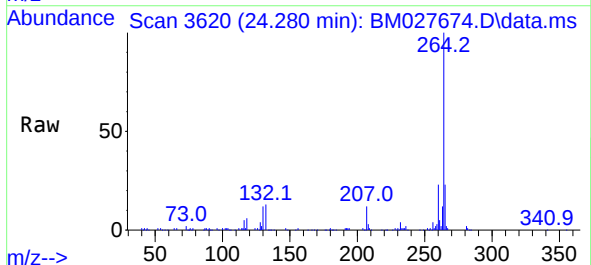
#85  
Di-n-octyl phthalate  
Concen: 8.48 ng  
RT: 22.662 min Scan# 3345  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



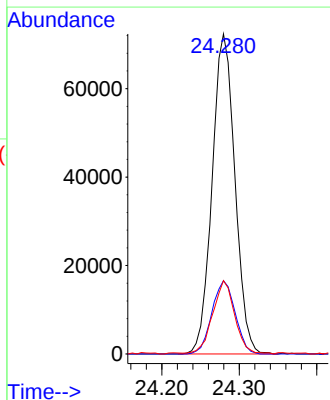
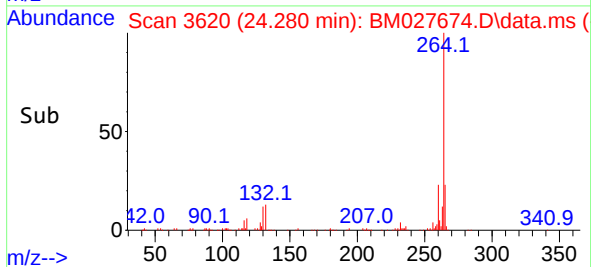
Tgt Ion:149 Resp: 81781  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.3 1.9  
43 14.0 5.8 8.6#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.280 min Scan# 3620  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05



Tgt Ion:264 Resp: 147978  
Ion Ratio Lower Upper  
264 100  
260 22.9 19.0 28.4  
265 22.9 17.7 26.5

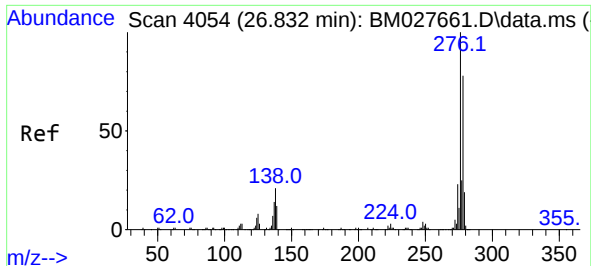


Instrument :  
BNA\_M  
ClientSampleId :  
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#87  
Indeno(1,2,3-cd)pyrene  
Concen: 8.66 ng  
RT: 26.826 min Scan# 4053  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

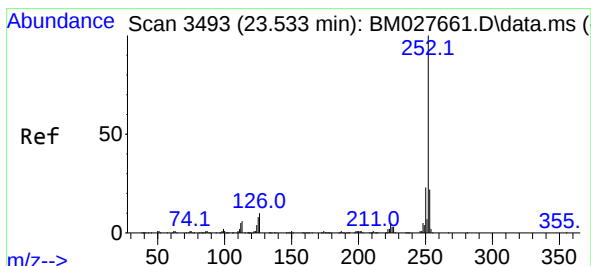
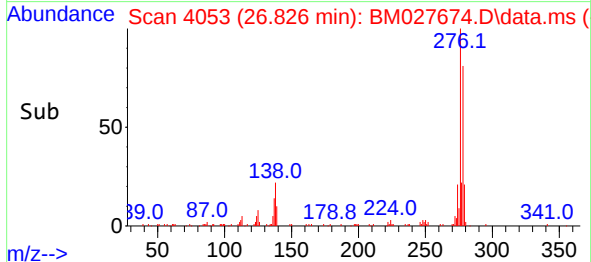
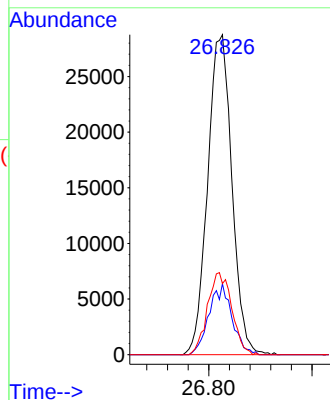
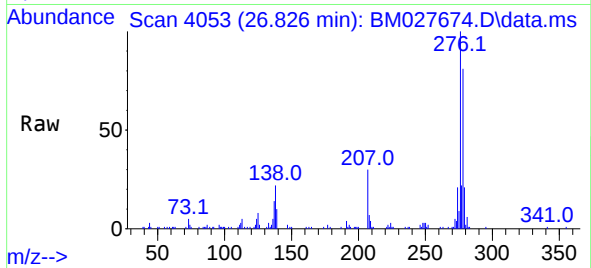
Tgt Ion: 276 Resp: 93694  
Ion Ratio Lower Upper  
276 100  
138 10.6 14.2 21.4#  
277 25.6 19.8 29.8

Instrument :  
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ClientSampleId :  
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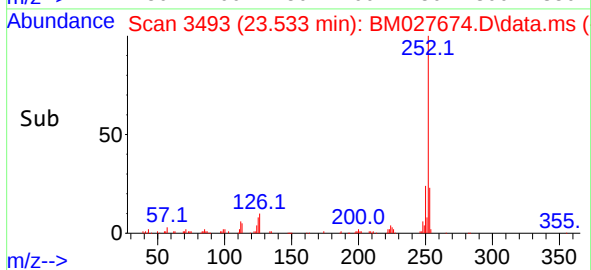
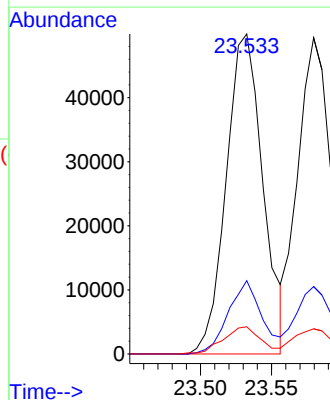
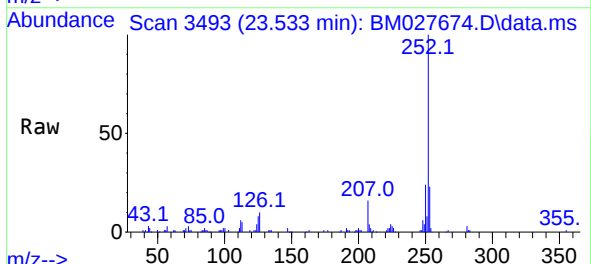
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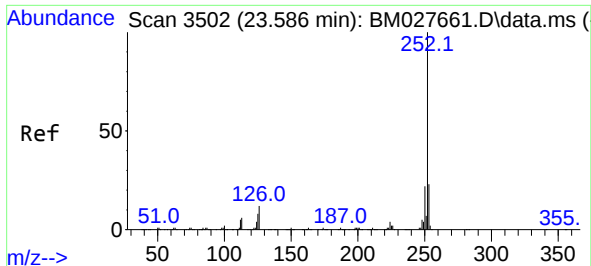
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#88  
Benzo(b)fluoranthene  
Concen: 8.90 ng  
RT: 23.533 min Scan# 3493  
Delta R.T. -0.000 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

Tgt Ion: 252 Resp: 89797  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.4 26.0  
125 8.5 5.7 8.5





#89  
Benzo(k)fluoranthene  
Concen: 8.60 ng  
RT: 23.580 min Scan# 3501  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

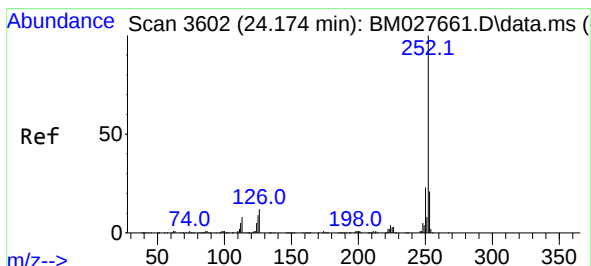
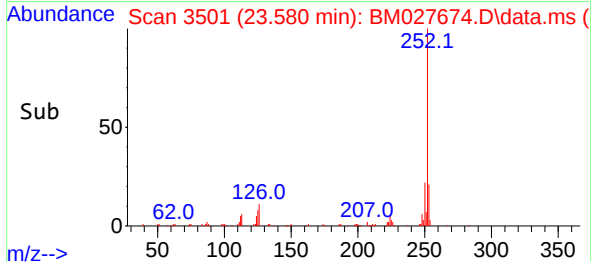
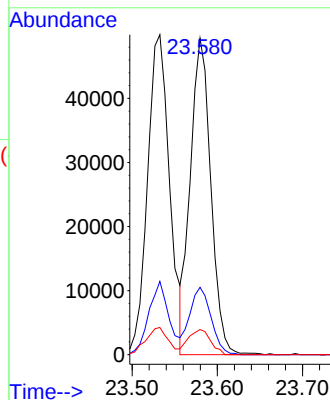
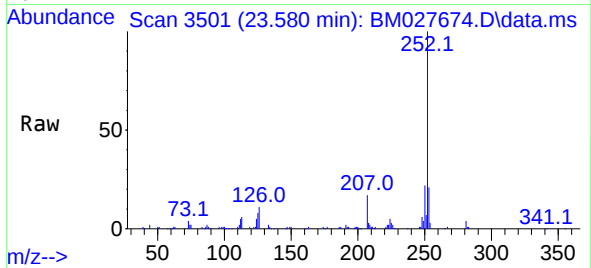
Tgt Ion:252 Resp: 82573  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.4 26.0  
125 8.0 5.6 8.4

Instrument :  
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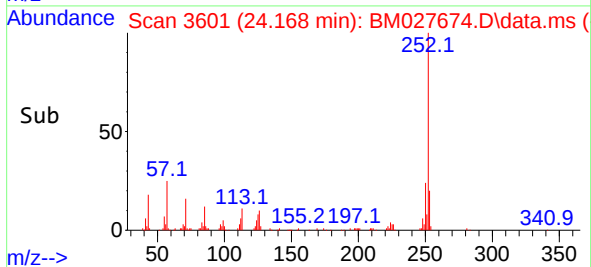
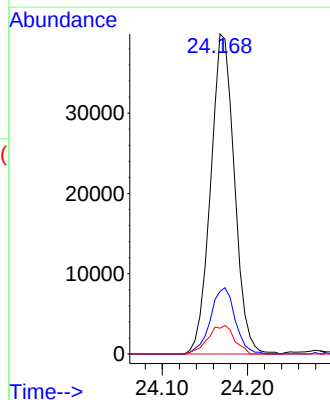
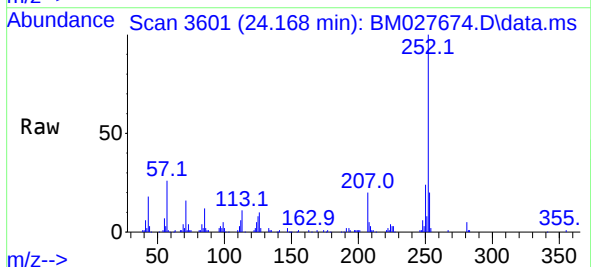
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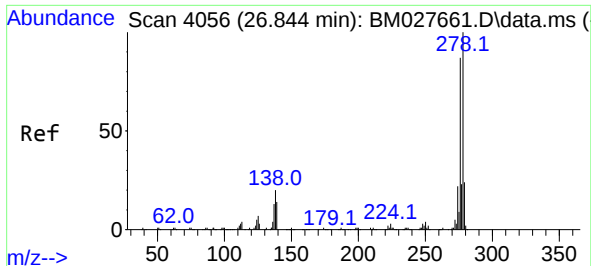
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#90  
Benzo(a)pyrene  
Concen: 8.31 ng  
RT: 24.168 min Scan# 3601  
Delta R.T. -0.006 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

Tgt Ion:252 Resp: 77320  
Ion Ratio Lower Upper  
252 100  
253 19.6 17.4 26.2  
125 8.1 6.6 9.8





#91  
Dibenzo(a,h)anthracene  
Concen: 8.69 ng  
RT: 26.832 min Scan# 4054  
Delta R.T. -0.012 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

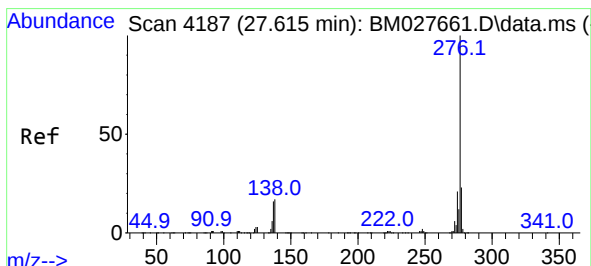
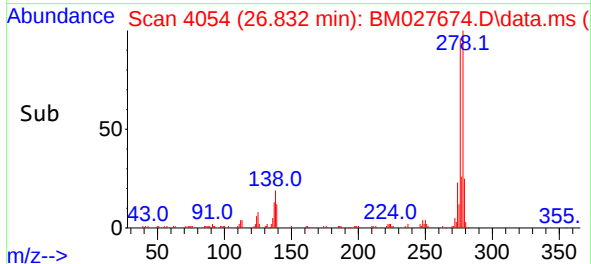
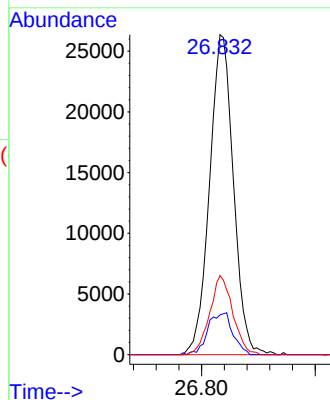
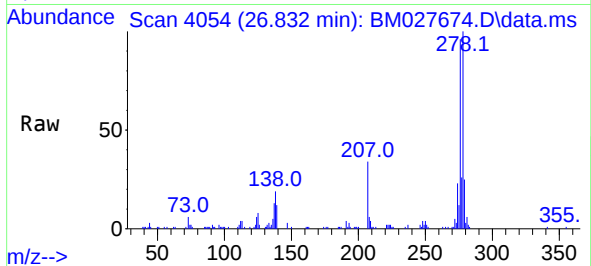
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 76869 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 12.5  | 9.0   | 13.6  |
| 279       | 24.7  | 19.0  | 28.4  |

Instrument :  
BNA\_M  
ClientSampleId :  
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#92  
Benzo(g,h,i)perylene  
Concen: 8.84 ng  
RT: 27.597 min Scan# 4184  
Delta R.T. -0.018 min  
Lab File: BM027674.D  
Acq: 02 Nov 2020 13:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 76493 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.5  | 18.6  | 28.0  |
| 138       | 14.9  | 12.2  | 18.2  |

