

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP040122\  
 Data File : BP009656.D  
 Acq On : 01 Apr 2022 14:00  
 Operator : CG/JU  
 Sample : N2202-04MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MHFMSD

Quant Time: Apr 01 22:43:27 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 31 04:36:51 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.728  | 152  | 240360   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.522 | 136  | 903640   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.381 | 164  | 532061   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.145 | 188  | 1049768  | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.269 | 240  | 994802   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.645 | 264  | 1133274  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.340  | 112  | 1940037  | 140.921 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.928  | 99   | 2409724  | 129.432 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.887  | 82   | 1509427  | 88.765  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 15.887 | 330  | 950797   | 108.292 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.999 | 172  | 3338667  | 86.989  | ng    | -0.01    |
| 79) Terphenyl-d14             | 19.728 | 244  | 4633045  | 83.593  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.258  | 88   | 244548   | 44.848  | ng    | 97       |
| 3) Pyridine                   | 3.652  | 79   | 705950   | 48.070  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.564  | 42   | 291384   | 53.874  | ng    | 98       |
| 6) Aniline                    | 7.064  | 93   | 783974   | 36.947  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.305  | 128  | 784164   | 49.952  | ng    | 98       |
| 9) Benzaldehyde               | 6.875  | 77   | 369297   | 41.785  | ng    | 98       |
| 10) Phenol                    | 6.952  | 94   | 986041   | 52.791  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.158  | 93   | 742941   | 50.260  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.616  | 146  | 860128   | 48.546  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.763  | 146  | 875616   | 48.335  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.081  | 146  | 835725   | 47.730  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.981  | 79   | 663872   | 44.724  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.263  | 45   | 844198   | 52.684  | ng    | 98       |
| 17) 2-Methylphenol            | 8.193  | 107  | 630761   | 49.005  | ng    | 99       |
| 18) Hexachloroethane          | 8.799  | 117  | 314853   | 49.593  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 8.546  | 70   | 551954   | 46.872  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.528  | 107  | 836991   | 47.292  | ng    | 97       |
| 22) Acetophenone              | 8.558  | 105  | 1092532  | 48.848  | ng    | # 98     |
| 24) Nitrobenzene              | 8.934  | 77   | 829306   | 51.626  | ng    | 97       |
| 25) Isophorone                | 9.463  | 82   | 1531791  | 52.810  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.646  | 139  | 414794   | 49.539  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 9.716  | 122  | 679012   | 57.470  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.940  | 93   | 936232   | 49.573  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.193 | 162  | 702919   | 48.774  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.393 | 180  | 785866   | 47.066  | ng    | 99       |
| 31) Naphthalene               | 10.575 | 128  | 2254218  | 48.429  | ng    | 100      |
| 32) Benzoic acid              | 9.922  | 122  | 449620   | 48.674  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.699 | 127  | 407094   | 21.433  | ng    | 97       |
| 34) Hexachlorobutadiene       | 10.857 | 225  | 501139   | 44.296  | ng    | 100      |
| 35) Caprolactam               | 11.499 | 113  | 211540   | 43.493  | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 11.852 | 107  | 703303   | 45.415  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.193 | 142  | 1536727  | 47.054  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.410 | 142  | 1481572  | 46.568  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.569 | 216  | 861323   | 48.791  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.546 | 237  | 467717   | 62.609  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.822 | 196  | 560103   | 47.868  | ng    | 100      |

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 ALS Vial : 6 Sample Multiplier: 1

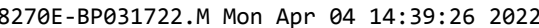
Instrument :  
 BNA\_P  
 ClientSampleId :  
 MHFMSD

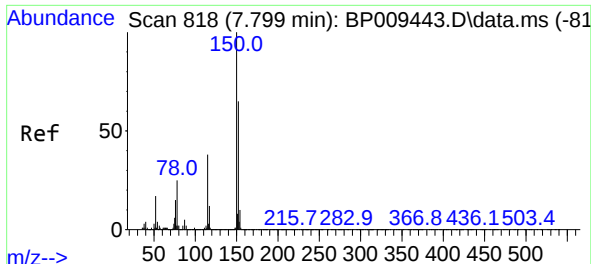
Quant Time: Apr 01 22:43:27 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 31 04:36:51 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.910 | 196  | 602225   | 47.395 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.210 | 154  | 1984443  | 49.996 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.251 | 162  | 1541489  | 49.328 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.469 | 65   | 432413   | 50.805 | ng    | 98       |
| 49) Acenaphthylene            | 14.104 | 152  | 2519296  | 52.223 | ng    | 100      |
| 50) Dimethylphthalate         | 13.846 | 163  | 1873803  | 46.478 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.969 | 165  | 413630   | 48.968 | ng    | 99       |
| 52) Acenaphthene              | 14.445 | 154  | 1407149  | 48.830 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.304 | 138  | 339448   | 38.046 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.528 | 184  | 448671   | 85.169 | ng    | 99       |
| 55) Dibenzofuran              | 14.787 | 168  | 2258981  | 46.661 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.663 | 139  | 555549   | 83.534 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 14.769 | 165  | 557928   | 48.036 | ng    | 96       |
| 58) Fluorene                  | 15.440 | 166  | 1801355  | 47.310 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.028 | 232  | 493106   | 42.807 | ng    | 95       |
| 60) Diethylphthalate          | 15.216 | 149  | 1847409  | 45.785 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.434 | 204  | 942872   | 44.954 | ng    | 96       |
| 62) 4-Nitroaniline            | 15.469 | 138  | 421074   | 44.939 | ng    | 96       |
| 63) Azobenzene                | 15.728 | 77   | 1739643  | 49.562 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 198  | 305376   | 45.239 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.651 | 169  | 1573649  | 50.656 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.334 | 248  | 596629   | 46.446 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.457 | 284  | 675097   | 45.664 | ng    | 98       |
| 69) Atrazine                  | 16.616 | 200  | 575443   | 52.685 | ng    | 98       |
| 70) Pentachlorophenol         | 16.810 | 266  | 718324   | 90.894 | ng    | 99       |
| 71) Phenanthrene              | 17.192 | 178  | 2769855  | 49.291 | ng    | 100      |
| 72) Anthracene                | 17.287 | 178  | 2789523  | 50.278 | ng    | 99       |
| 73) Carbazole                 | 17.563 | 167  | 2562379  | 47.224 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.122 | 149  | 3162577  | 49.739 | ng    | 100      |
| 75) Fluoranthene              | 19.175 | 202  | 3217609  | 47.296 | ng    | 99       |
| 77) Benzidine                 | 19.369 | 184  | 1131478  | 46.403 | ng    | 99       |
| 78) Pyrene                    | 19.528 | 202  | 3317038  | 50.601 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.416 | 149  | 1359107  | 48.779 | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.251 | 228  | 3219418  | 49.258 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.204 | 252  | 1106490  | 43.824 | ng    | 99       |
| 83) Chrysene                  | 21.304 | 228  | 2975597  | 48.080 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.192 | 149  | 1994086  | 51.345 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.098 | 149  | 3456483  | 51.635 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.133 | 276  | 4248170  | 49.410 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 22.927 | 252  | 3587703  | 53.031 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 22.974 | 252  | 3234519  | 48.831 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.545 | 252  | 3396759  | 58.683 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.145 | 278  | 3721427  | 51.934 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 26.886 | 276  | 3731112  | 52.929 | ng    | 94       |

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

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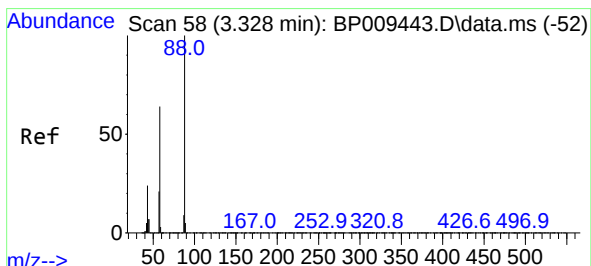
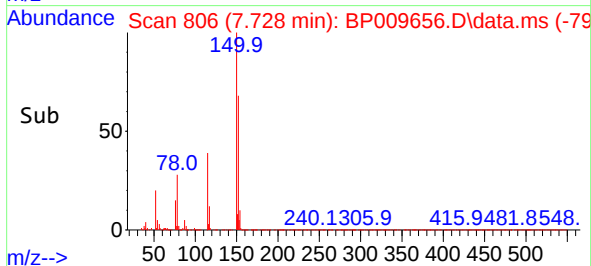
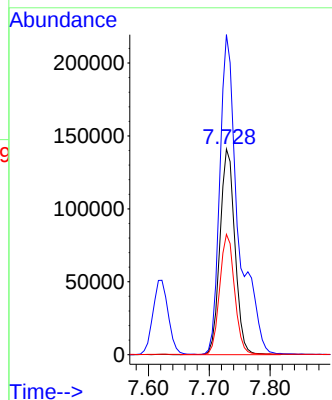
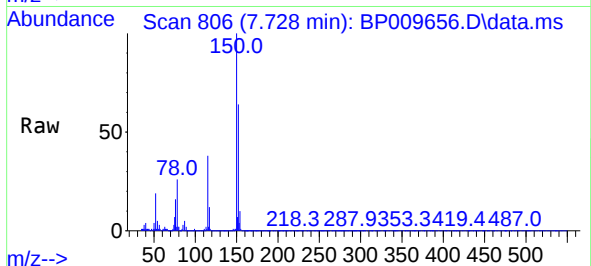




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.728 min Scan# 80  
 Delta R.T. -0.012 min  
 Lab File: BP009656.D  
 Acq: 01 Apr 2022 14:00

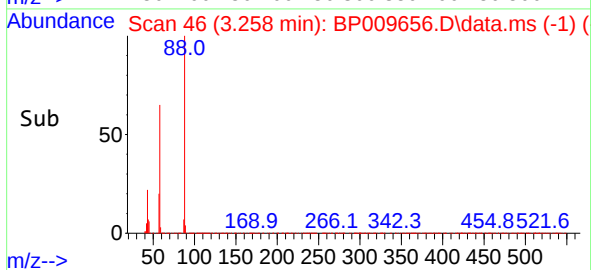
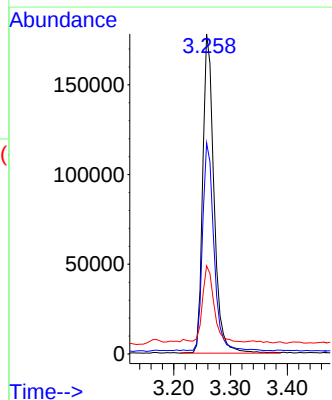
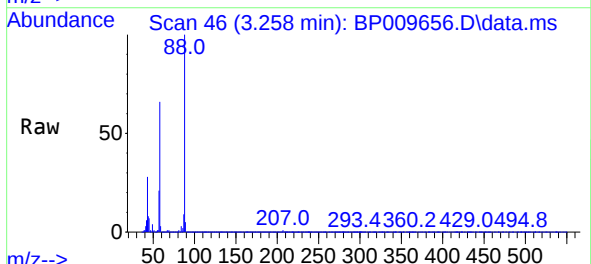
Instrument :  
 BNA\_P  
 ClientSampleId :  
 MHFMSD

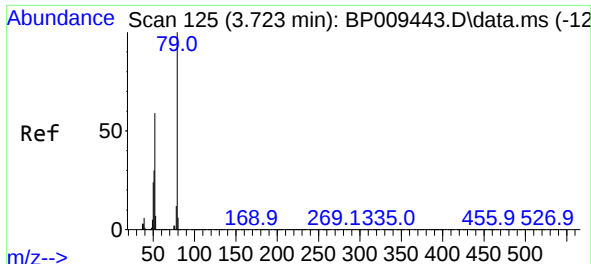
Tgt Ion:152 Resp: 240360  
 Ion Ratio Lower Upper  
 152 100  
 150 155.7 124.5 186.7  
 115 58.5 48.2 72.4



#2  
 1,4-Dioxane  
 Concen: 44.848 ng  
 RT: 3.258 min Scan# 46  
 Delta R.T. -0.006 min  
 Lab File: BP009656.D  
 Acq: 01 Apr 2022 14:00

Tgt Ion: 88 Resp: 244548  
 Ion Ratio Lower Upper  
 88 100  
 58 65.8 54.2 81.2  
 43 24.0 20.4 30.6

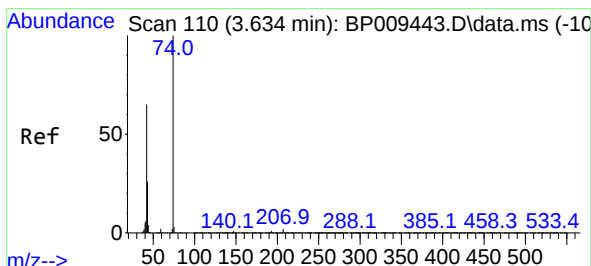
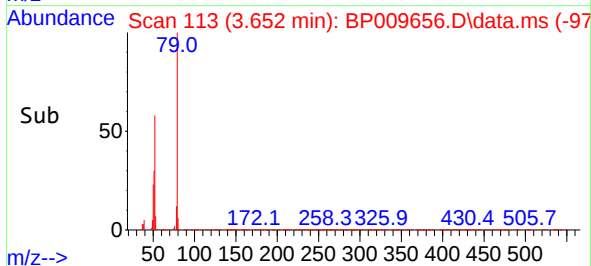
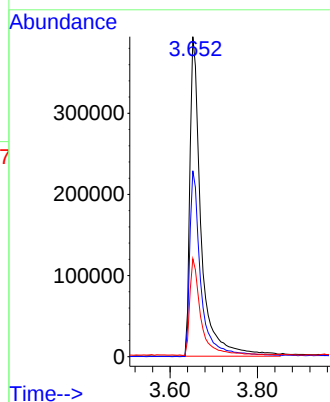
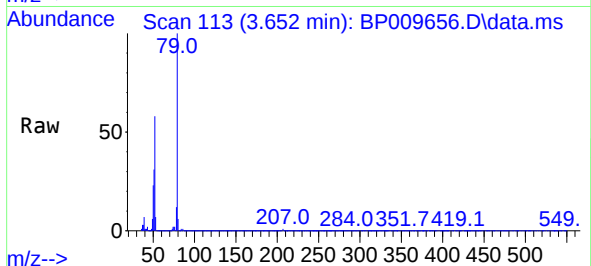




#3  
Pyridine  
Concen: 48.070 ng  
RT: 3.652 min Scan# 113  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

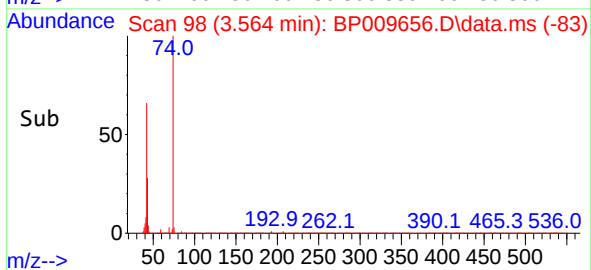
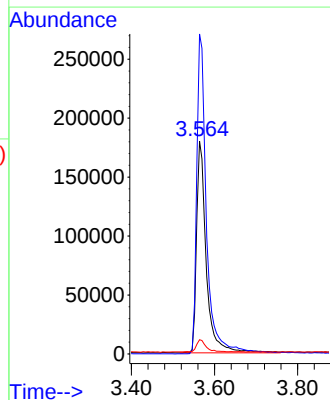
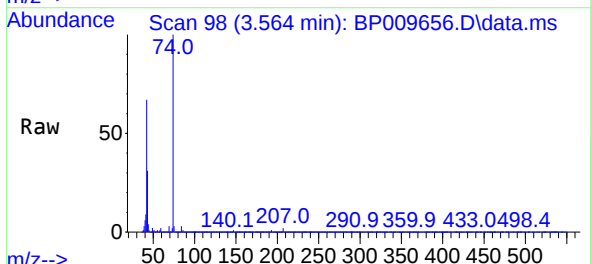
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

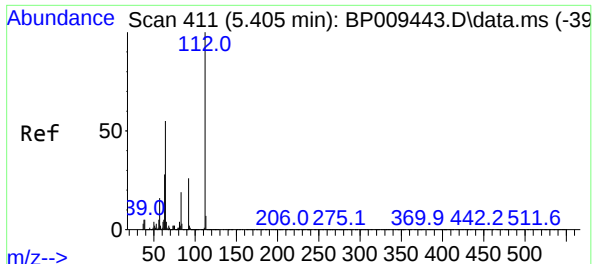
Tgt Ion: 79 Resp: 705950  
Ion Ratio Lower Upper  
79 100  
52 58.1 47.5 71.3  
51 30.6 24.1 36.1



#4  
n-Nitrosodimethylamine  
Concen: 53.874 ng  
RT: 3.564 min Scan# 98  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion: 42 Resp: 291384  
Ion Ratio Lower Upper  
42 100  
74 150.3 122.1 183.1  
44 6.7 5.8 8.8

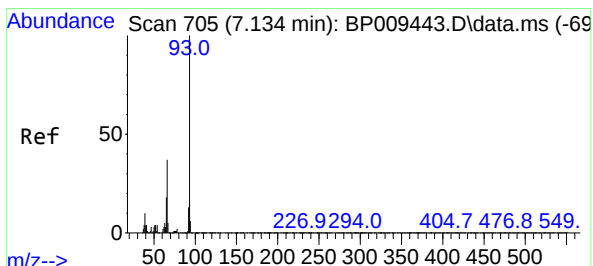
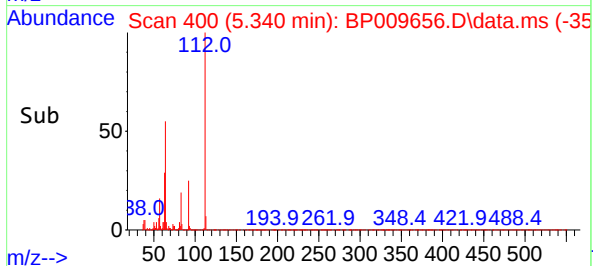
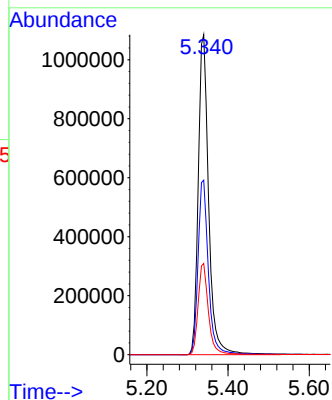
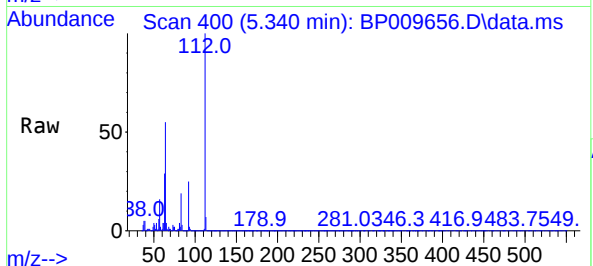




#5  
2-Fluorophenol  
Concen: 140.921 ng  
RT: 5.340 min Scan# 411  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

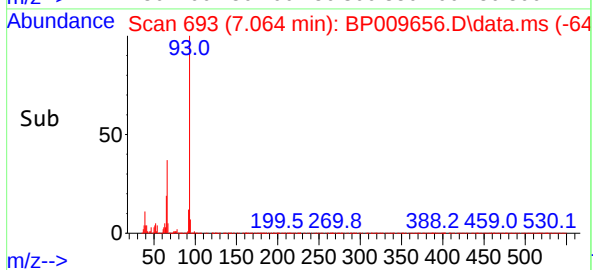
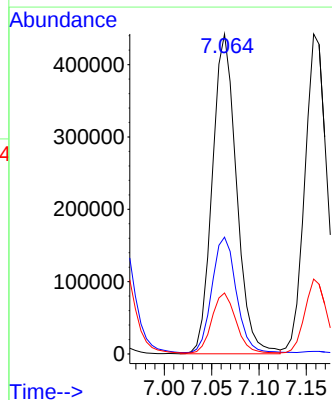
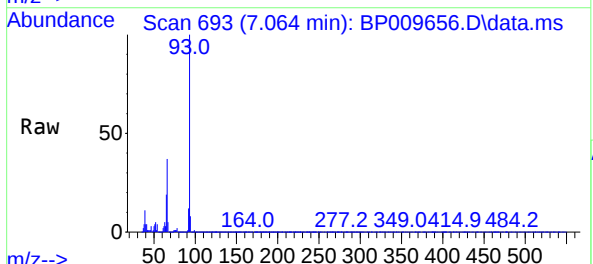
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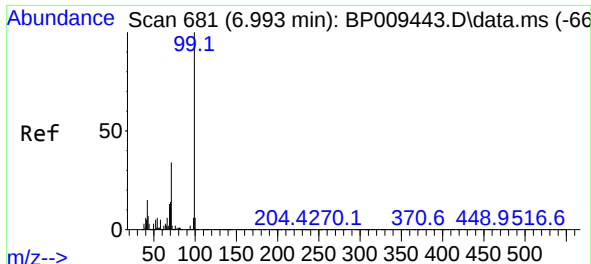
Tgt Ion:112 Resp: 1940037  
Ion Ratio Lower Upper  
112 100  
64 54.6 45.0 67.4  
63 28.5 23.0 34.6



#6  
Aniline  
Concen: 36.947 ng  
RT: 7.064 min Scan# 693  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion: 93 Resp: 783974  
Ion Ratio Lower Upper  
93 100  
66 36.5 30.9 46.3  
65 19.1 15.8 23.8



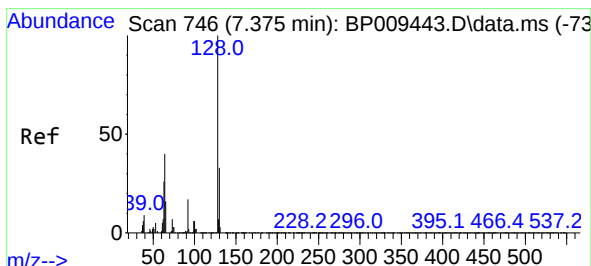
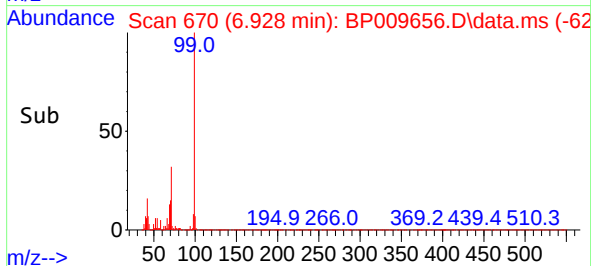
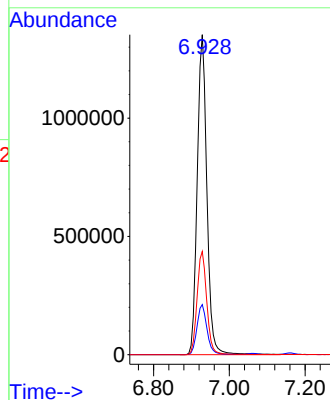
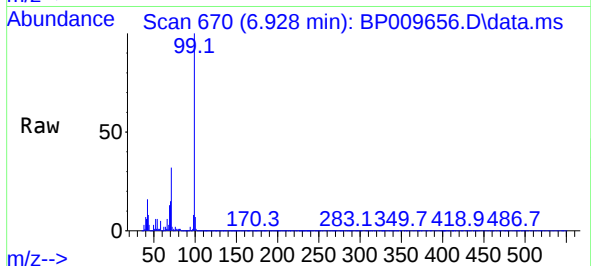


#7  
Phenol-d6  
Concen: 129.432 ng  
RT: 6.928 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

Tgt Ion: 99 Resp: 2409724

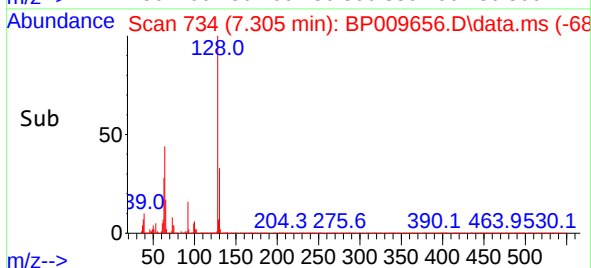
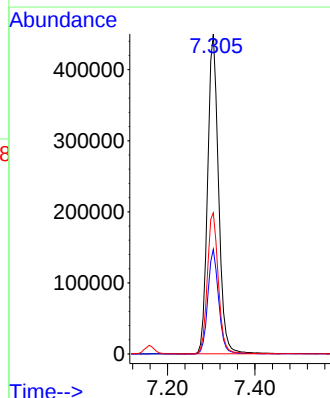
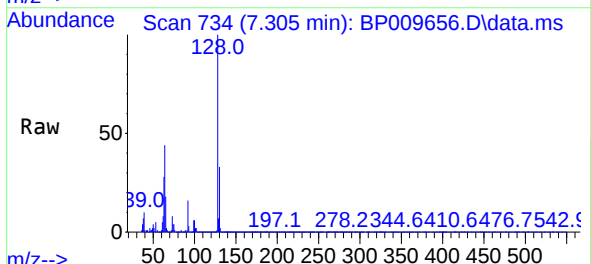
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.7  | 12.8  | 19.2  |
| 71  | 32.3  | 26.3  | 39.5  |

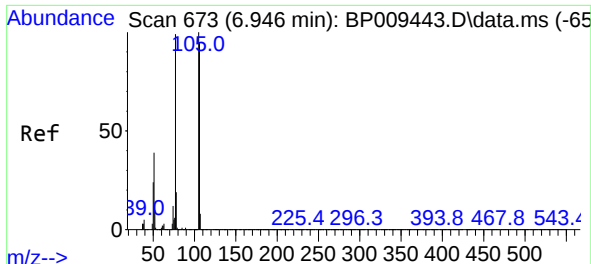


#8  
2-Chlorophenol  
Concen: 49.952 ng  
RT: 7.305 min Scan# 734  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:128 Resp: 784164

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.7  | 12.5  | 52.5  |
| 64  | 44.1  | 26.2  | 66.2  |

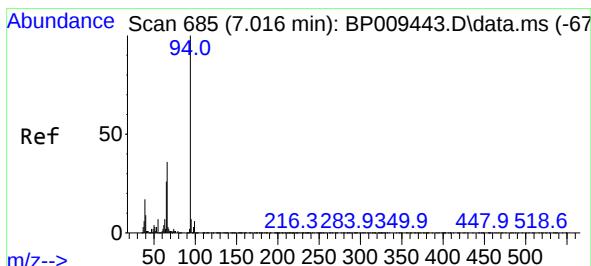
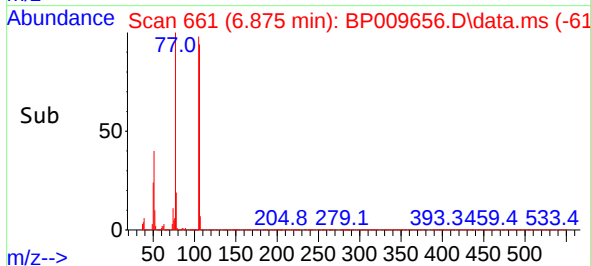
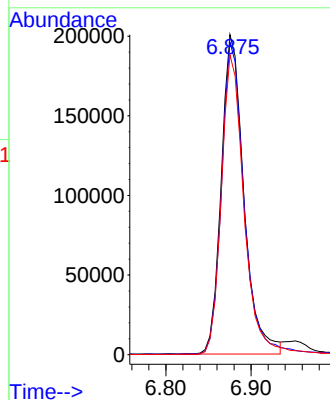
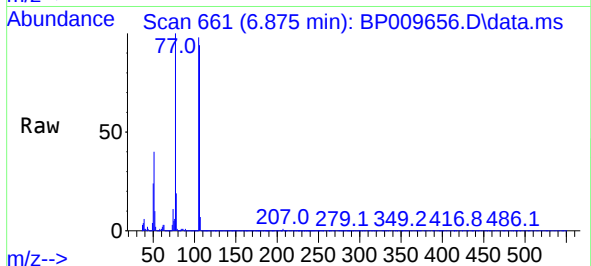




#9  
Benzaldehyde  
Concen: 41.785 ng  
RT: 6.875 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

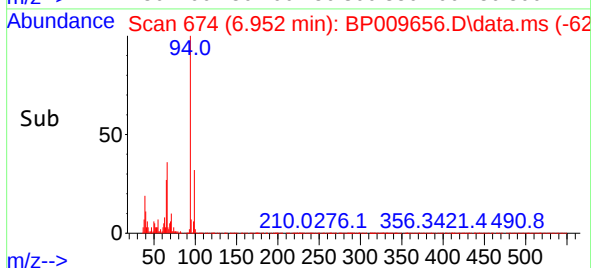
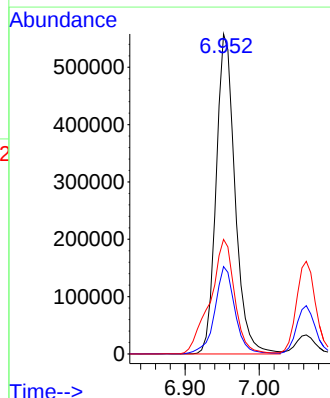
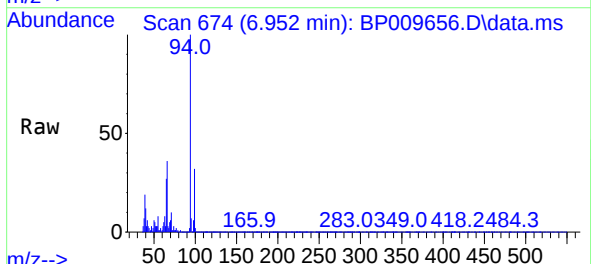
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

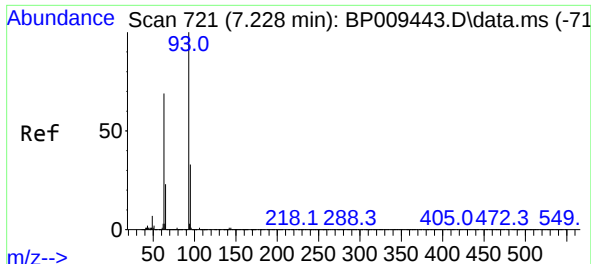
Tgt Ion: 77 Resp: 369297  
Ion Ratio Lower Upper  
77 100  
105 97.6 75.2 115.2  
106 93.7 72.3 112.3



#10  
Phenol  
Concen: 52.791 ng  
RT: 6.952 min Scan# 674  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion: 94 Resp: 986041  
Ion Ratio Lower Upper  
94 100  
65 27.3 7.2 47.2  
66 35.8 14.3 54.3

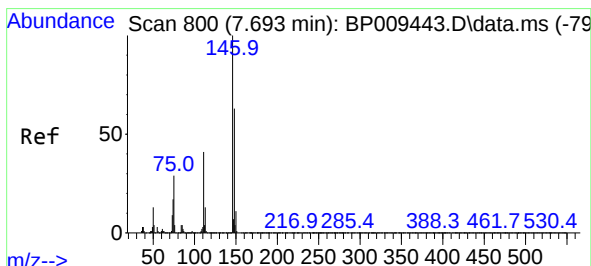
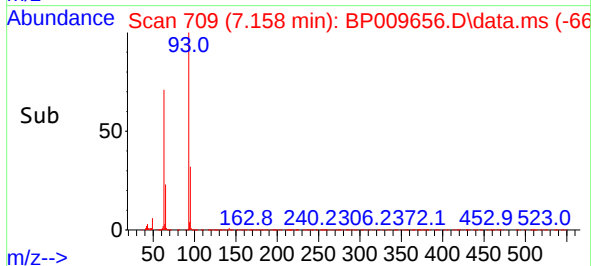
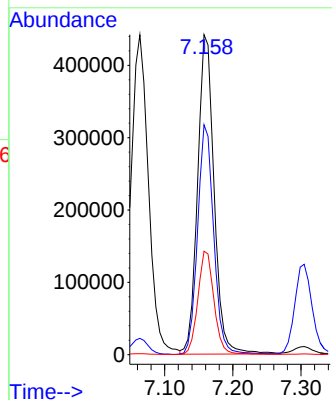
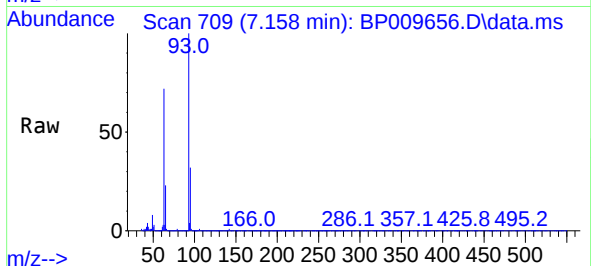




#11  
bis(2-Chloroethyl)ether  
Concen: 50.260 ng  
RT: 7.158 min Scan# 709  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

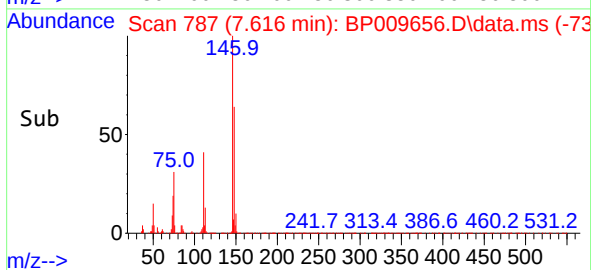
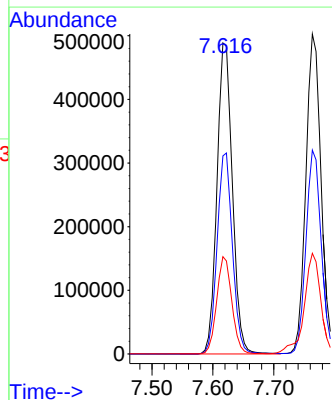
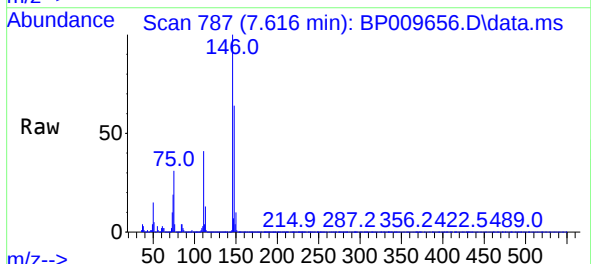
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

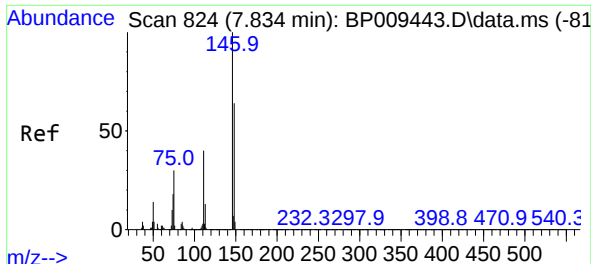
Tgt Ion: 93 Resp: 742941  
Ion Ratio Lower Upper  
93 100  
63 71.9 53.5 93.5  
95 32.3 12.0 52.0



#12  
1,3-Dichlorobenzene  
Concen: 48.546 ng  
RT: 7.616 min Scan# 787  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:146 Resp: 860128  
Ion Ratio Lower Upper  
146 100  
148 63.7 51.4 77.0  
75 31.3 25.3 37.9

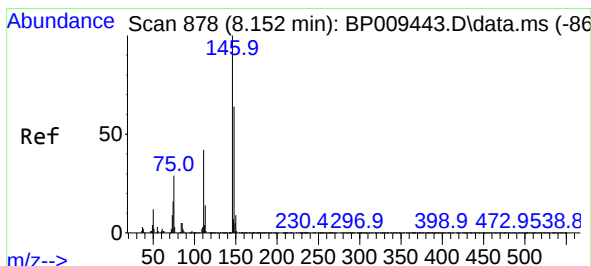
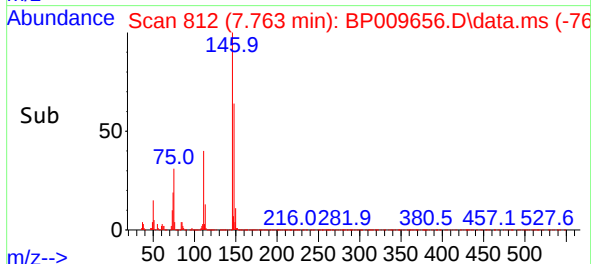
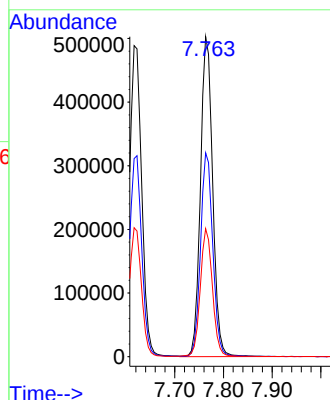
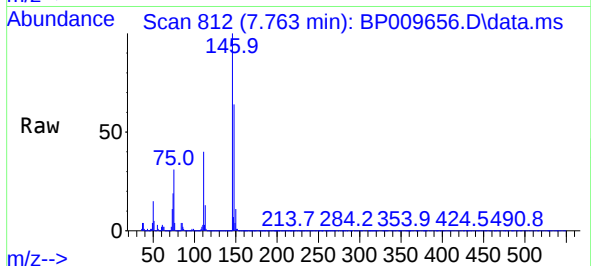




#13  
1,4-Dichlorobenzene  
Concen: 48.335 ng  
RT: 7.763 min Scan# 811  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

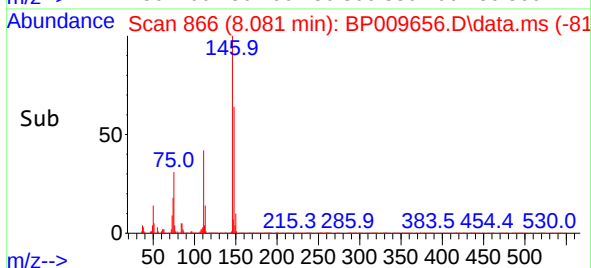
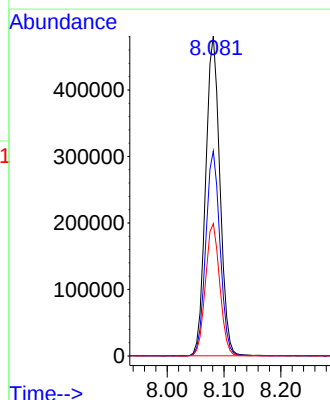
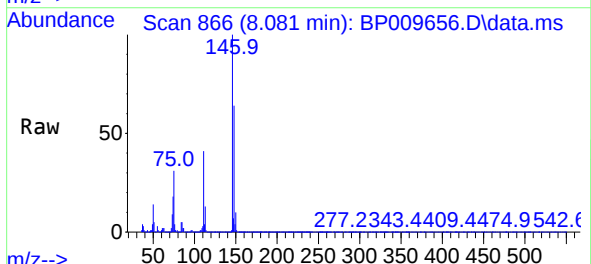
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

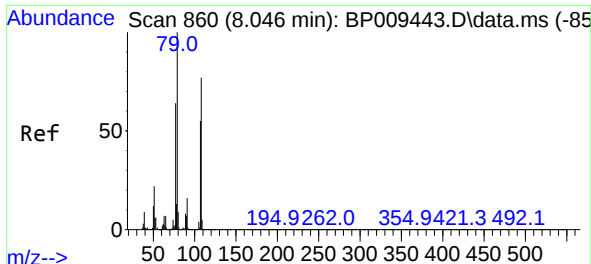
Tgt Ion:146 Resp: 875616  
Ion Ratio Lower Upper  
146 100  
148 63.7 51.1 76.7  
111 40.0 32.1 48.1



#14  
1,2-Dichlorobenzene  
Concen: 47.730 ng  
RT: 8.081 min Scan# 866  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:146 Resp: 835725  
Ion Ratio Lower Upper  
146 100  
148 64.1 50.9 76.3  
111 41.4 34.1 51.1

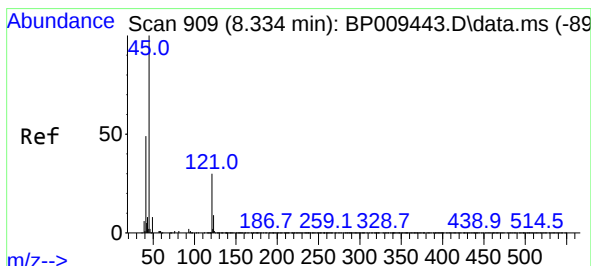
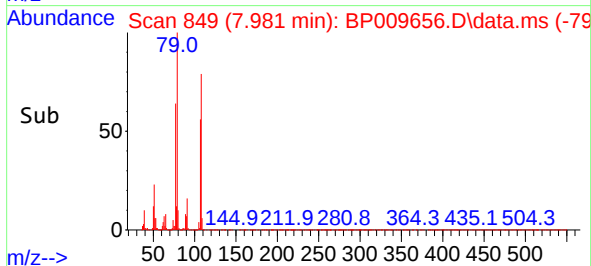
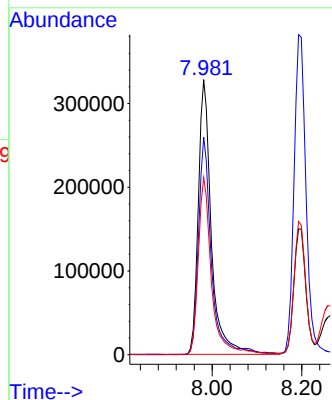
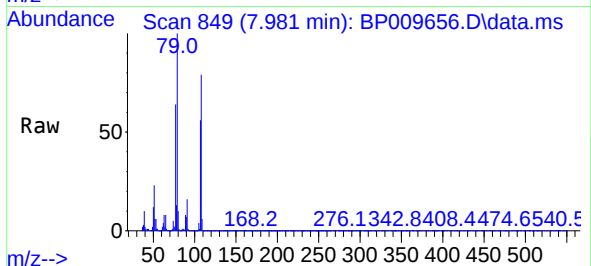




#15  
Benzyl Alcohol  
Concen: 44.724 ng  
RT: 7.981 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

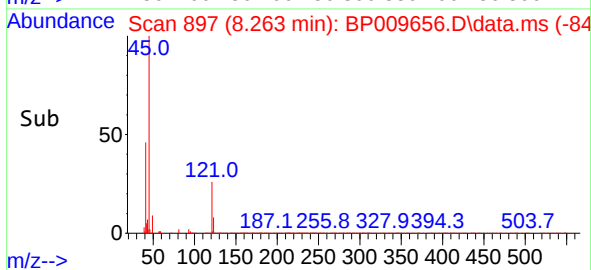
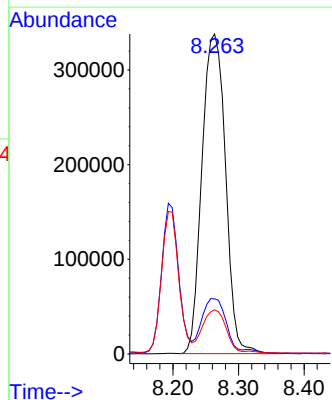
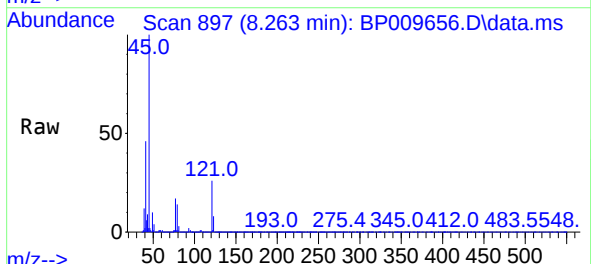
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

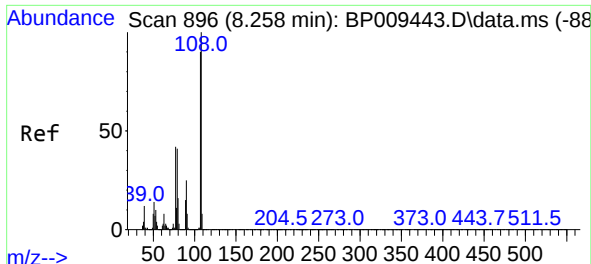
Tgt Ion: 79 Resp: 663872  
Ion Ratio Lower Upper  
79 100  
108 79.1 62.5 93.7  
77 64.4 51.7 77.5



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 52.684 ng  
RT: 8.263 min Scan# 897  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion: 45 Resp: 844198  
Ion Ratio Lower Upper  
45 100  
77 17.2 0.0 36.5  
79 13.8 0.0 32.4



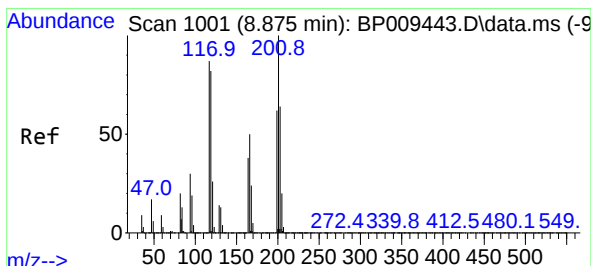
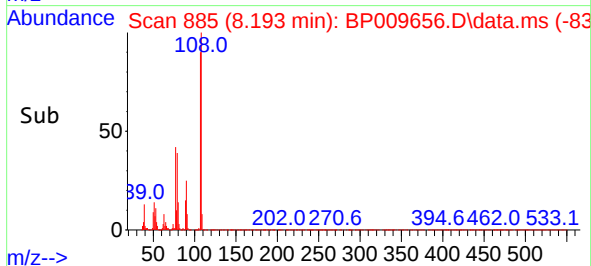
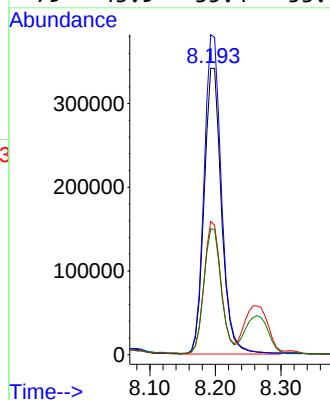
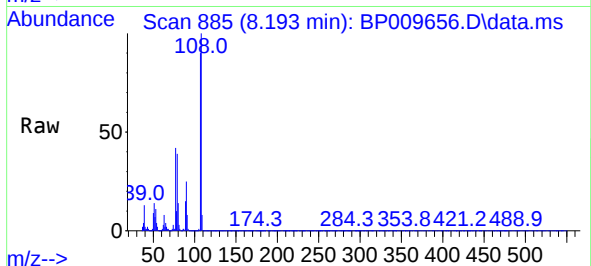


#17  
2-Methylphenol  
Concen: 49.005 ng  
RT: 8.193 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

Tgt Ion:107 Resp: 630761

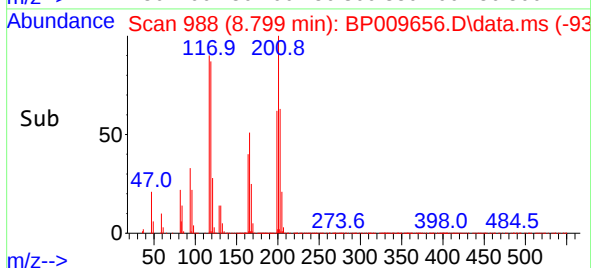
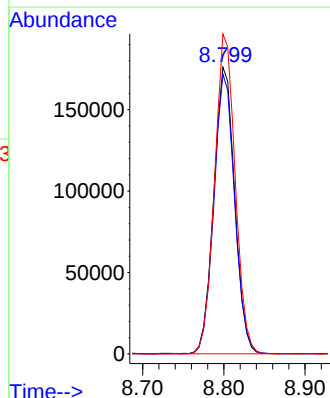
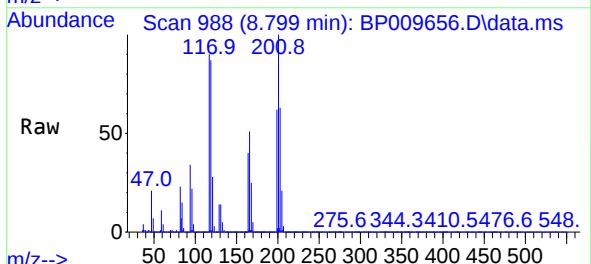
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 111.7 | 90.2  | 135.2 |
| 77  | 46.5  | 36.3  | 54.5  |
| 79  | 43.9  | 35.4  | 53.0  |

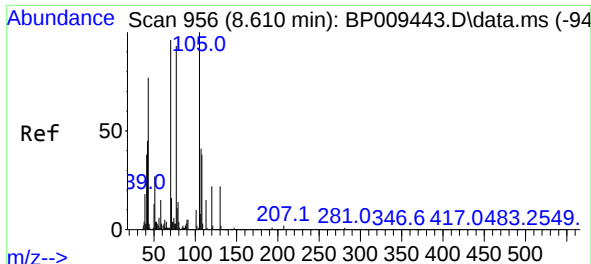


#18  
Hexachloroethane  
Concen: 49.593 ng  
RT: 8.799 min Scan# 988  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:117 Resp: 314853

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 97.5  | 76.4  | 114.6 |
| 201 | 111.6 | 83.4  | 125.2 |





#19

n-Nitroso-di-n-propylamine

Concen: 46.872 ng

RT: 8.546 min Scan# 94

Delta R.T. -0.006 min

Lab File: BP009656.D

Acq: 01 Apr 2022 14:00

Instrument :

BNA\_P

ClientSampleId :

MHFMSD

Tgt Ion: 70 Resp: 551954

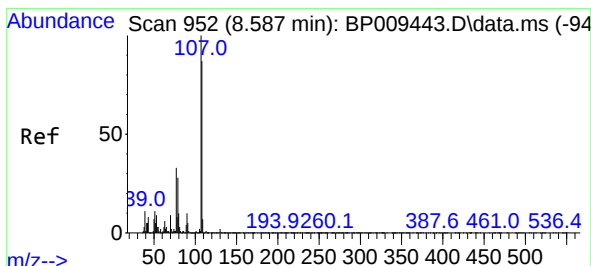
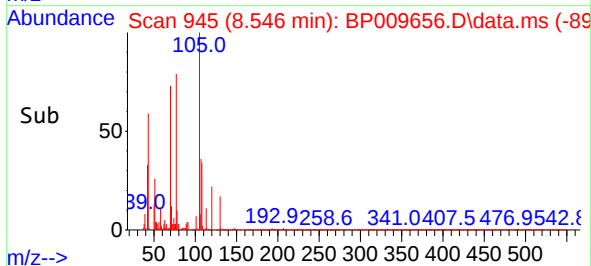
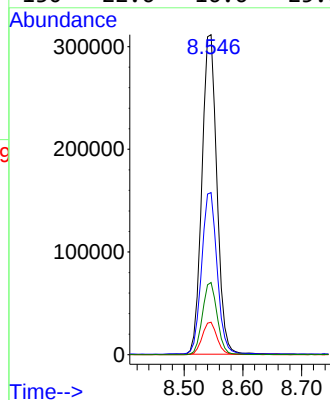
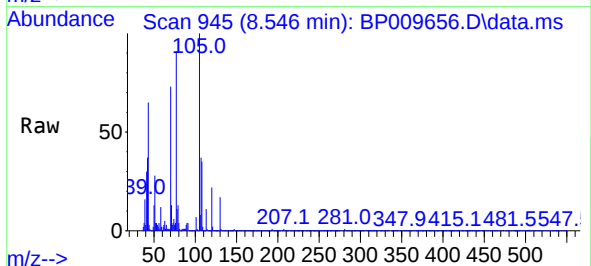
Ion Ratio Lower Upper

70 100

42 50.6 41.0 61.4

101 10.1 7.9 11.9

130 22.6 16.6 25.0



#20

3+4-Methylphenols

Concen: 47.292 ng

RT: 8.528 min Scan# 942

Delta R.T. 0.000 min

Lab File: BP009656.D

Acq: 01 Apr 2022 14:00

Tgt Ion: 107 Resp: 836991

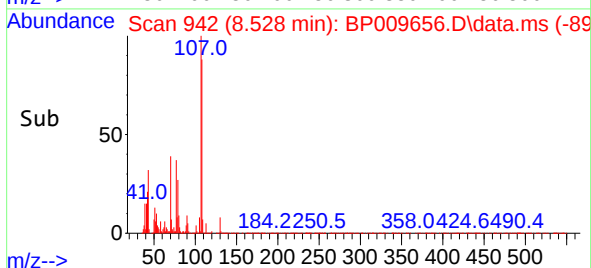
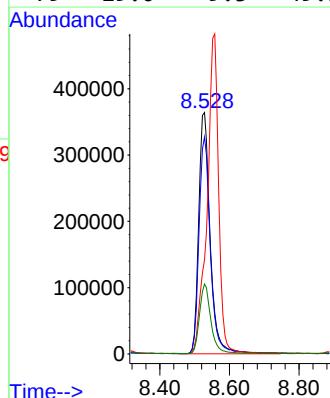
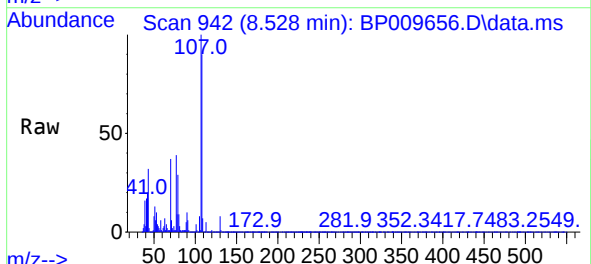
Ion Ratio Lower Upper

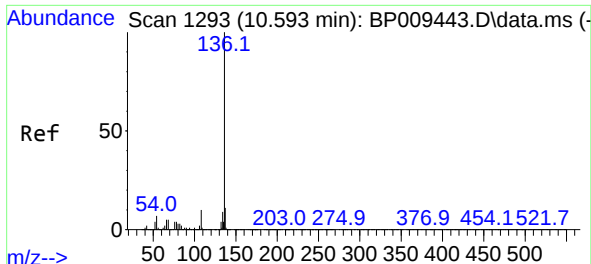
107 100

108 89.8 69.4 109.4

77 39.0 13.6 53.6

79 29.0 9.3 49.3



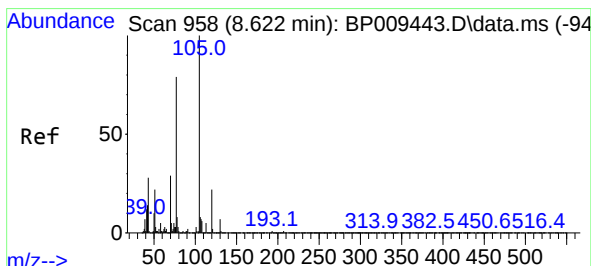
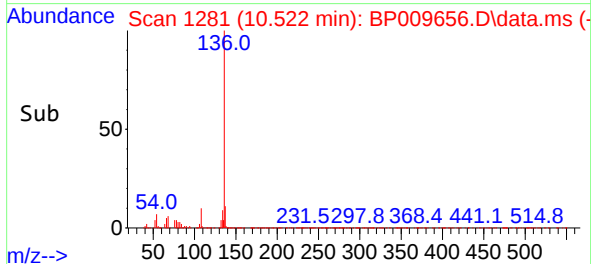
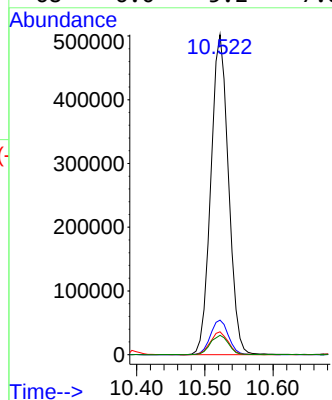
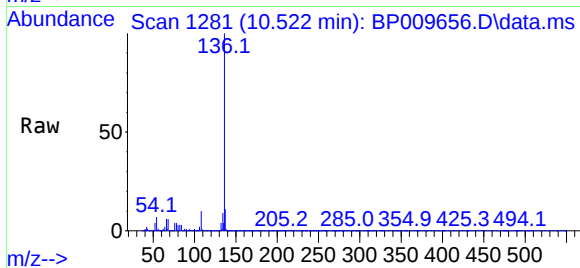


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.522 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

Tgt Ion:136 Resp: 903640

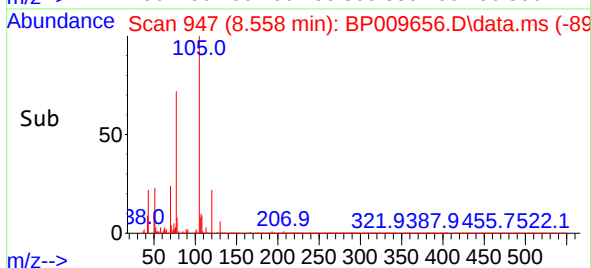
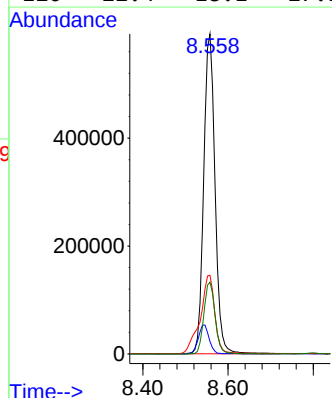
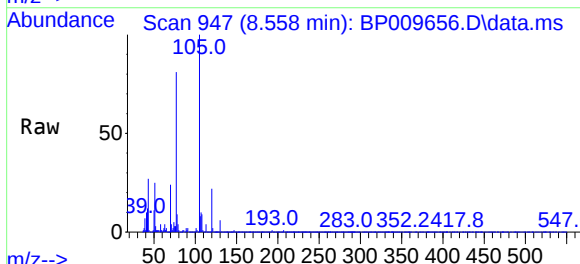
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.6   | 12.8  |
| 54  | 7.2   | 5.8   | 8.8   |
| 68  | 6.0   | 5.2   | 7.8   |

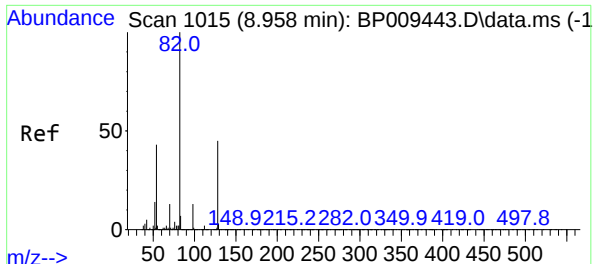


#22  
Acetophenone  
Concen: 48.848 ng  
RT: 8.558 min Scan# 947  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:105 Resp: 1092532

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 3.9   | 5.5   | 8.3#  |
| 51  | 24.6  | 18.9  | 28.3  |
| 120 | 22.4  | 18.1  | 27.1  |

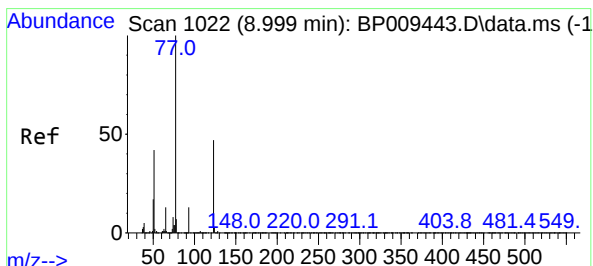
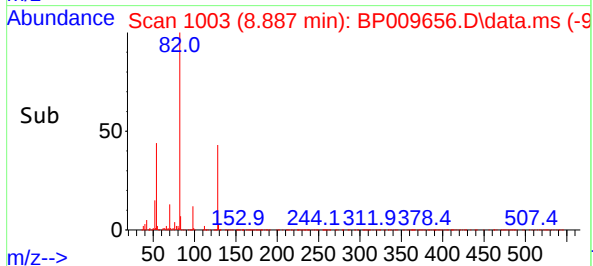
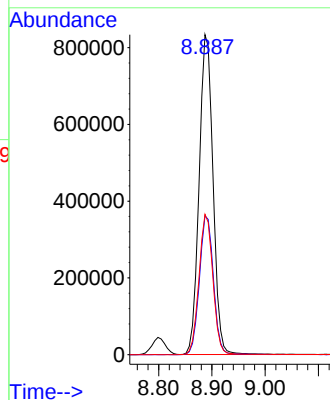
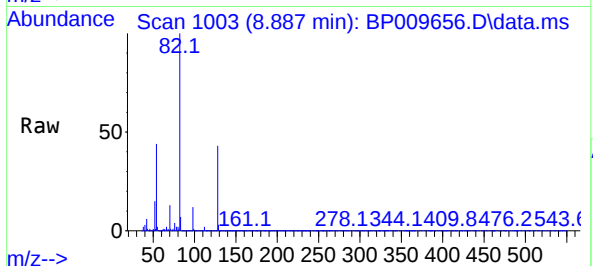




#23  
Nitrobenzene-d5  
Concen: 88.765 ng  
RT: 8.887 min Scan# 1003  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

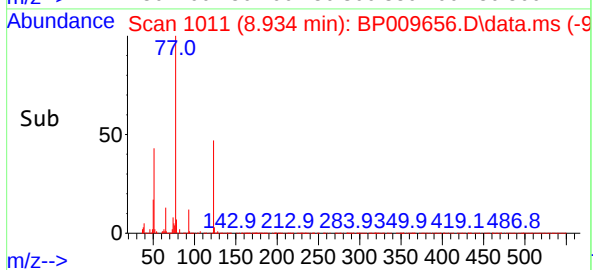
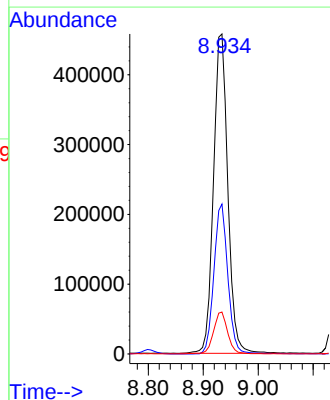
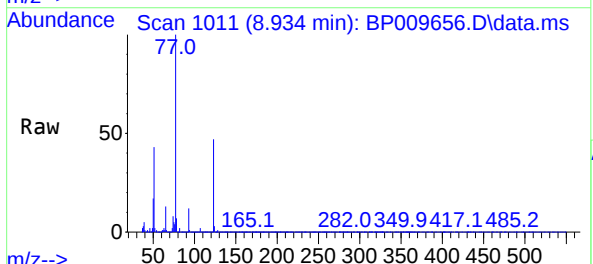
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

Tgt Ion: 82 Resp: 1509427  
Ion Ratio Lower Upper  
82 100  
128 43.4 34.2 51.4  
54 43.8 34.7 52.1



#24  
Nitrobenzene  
Concen: 51.626 ng  
RT: 8.934 min Scan# 1011  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion: 77 Resp: 829306  
Ion Ratio Lower Upper  
77 100  
123 46.8 35.5 53.3  
65 13.1 10.3 15.5

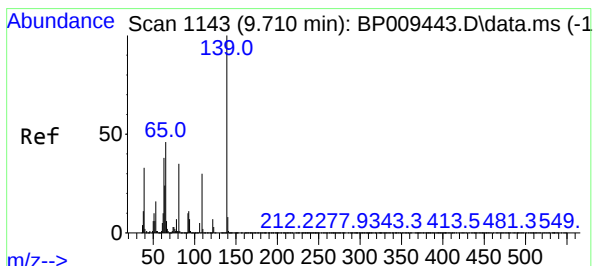
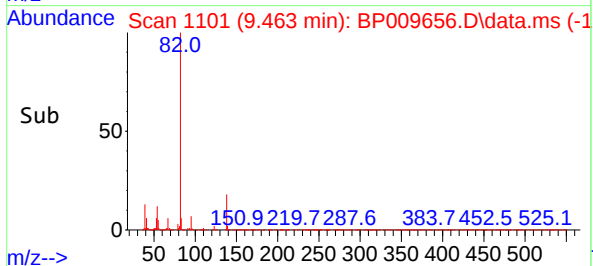
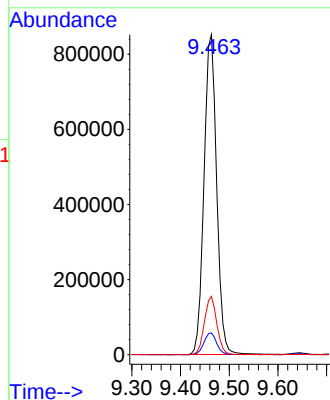
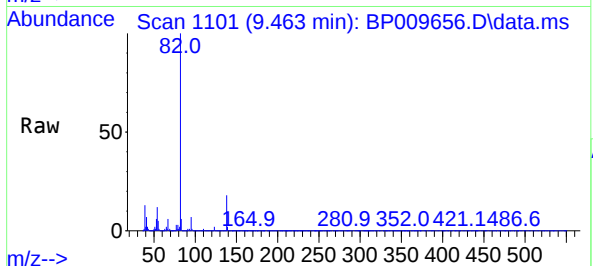




#25  
Isophorone  
Concen: 52.810 ng  
RT: 9.463 min Scan# 1112  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

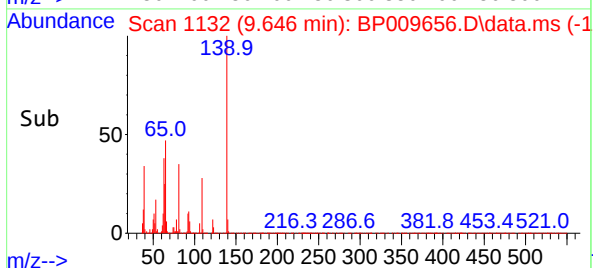
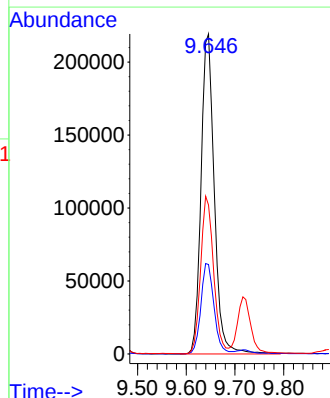
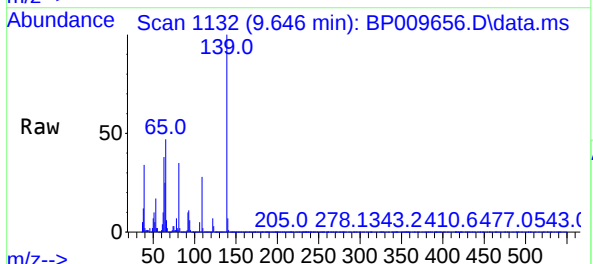
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

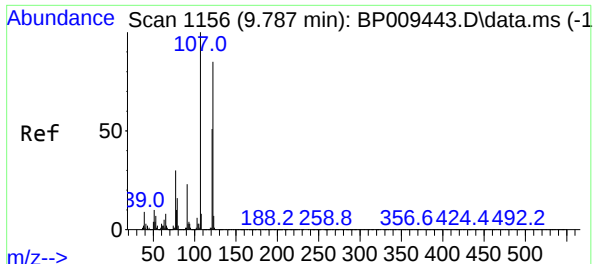
Tgt Ion: 82 Resp: 1531791  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.5 8.3  
138 18.2 13.8 20.8



#26  
2-Nitrophenol  
Concen: 49.539 ng  
RT: 9.646 min Scan# 1132  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion: 139 Resp: 414794  
Ion Ratio Lower Upper  
139 100  
109 28.0 23.4 35.0  
65 46.6 41.0 61.6

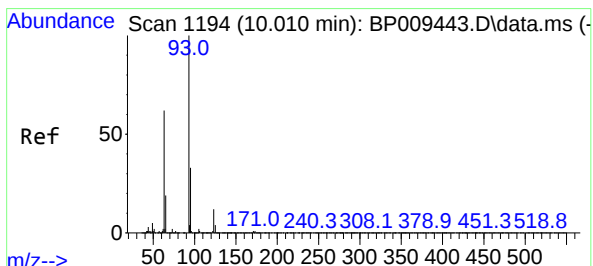
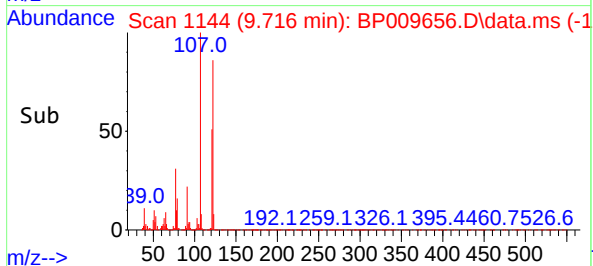
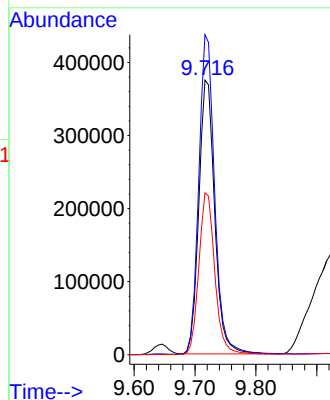
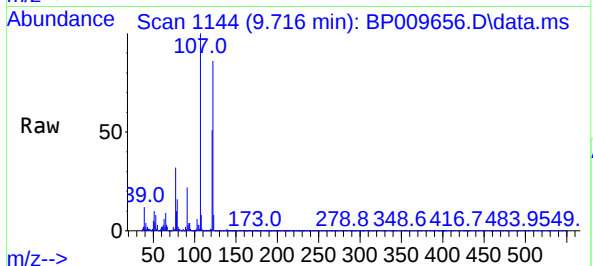




#27  
2,4-Dimethylphenol  
Concen: 57.470 ng  
RT: 9.716 min Scan# 1156  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

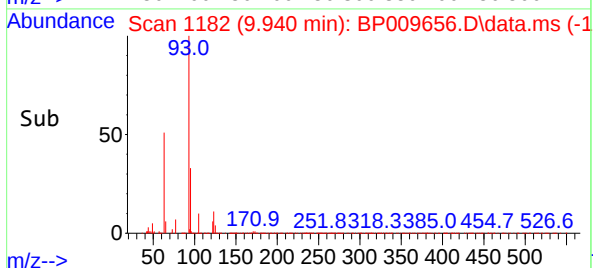
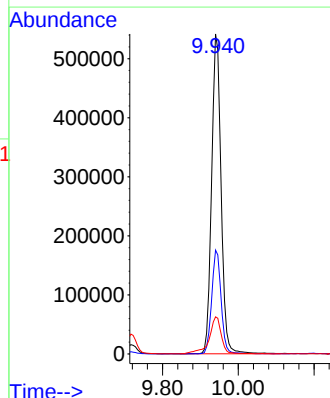
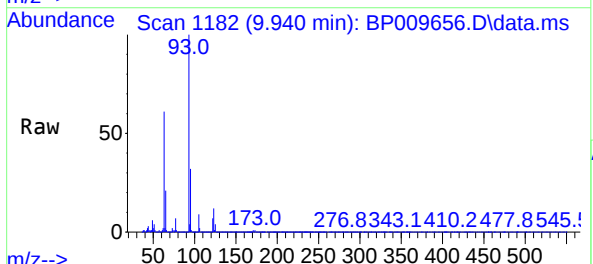
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

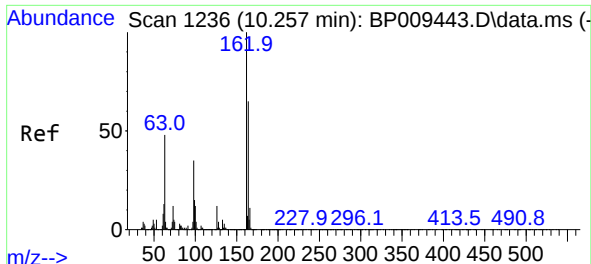
Tgt Ion:122 Resp: 679012  
Ion Ratio Lower Upper  
122 100  
107 116.6 92.6 138.8  
121 59.0 46.7 70.1



#28  
bis(2-Chloroethoxy)methane  
Concen: 49.573 ng  
RT: 9.940 min Scan# 1182  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion: 93 Resp: 936232  
Ion Ratio Lower Upper  
93 100  
95 32.4 25.5 38.3  
123 11.6 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 48.774 ng

RT: 10.193 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BP009656.D

Acq: 01 Apr 2022 14:00

Instrument :

BNA\_P

ClientSampleId :

MHFMSD

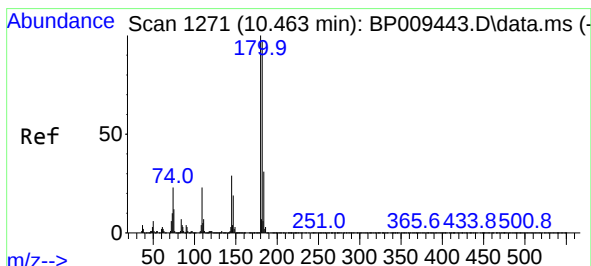
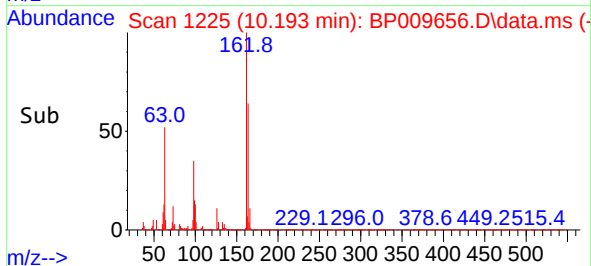
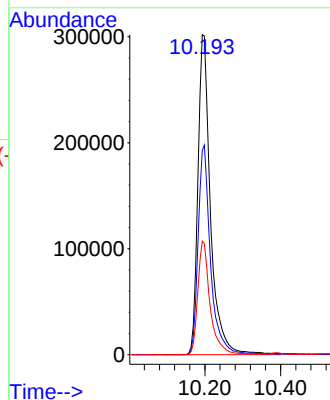
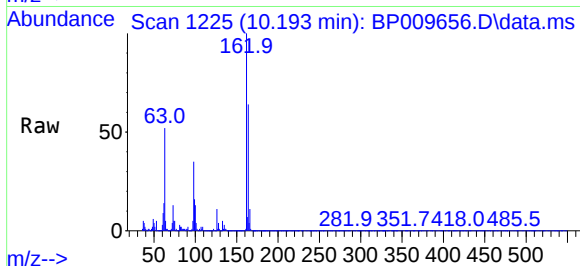
Tgt Ion:162 Resp: 702919

Ion Ratio Lower Upper

162 100

164 63.8 44.3 84.3

98 35.5 15.6 55.6



#30

1,2,4-Trichlorobenzene

Concen: 47.066 ng

RT: 10.393 min Scan# 1259

Delta R.T. -0.006 min

Lab File: BP009656.D

Acq: 01 Apr 2022 14:00

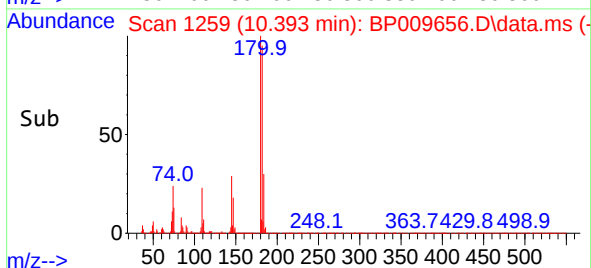
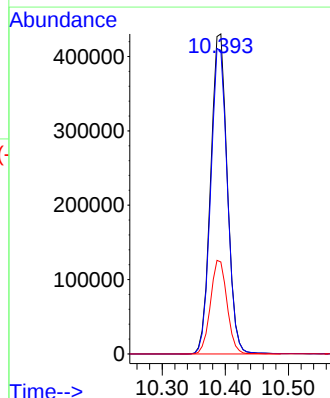
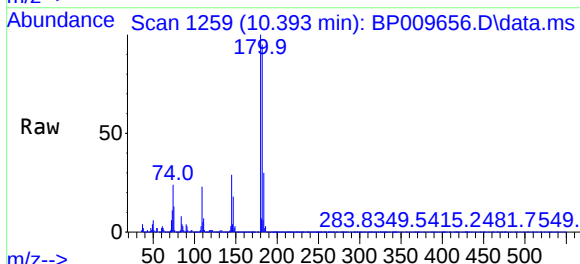
Tgt Ion:180 Resp: 785866

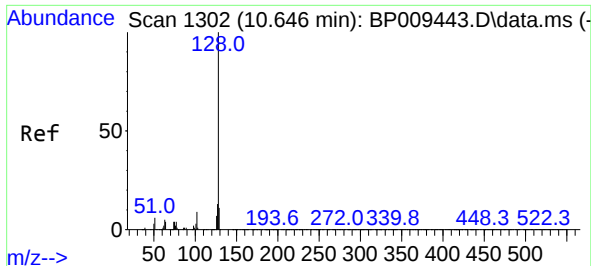
Ion Ratio Lower Upper

180 100

182 94.9 76.4 114.6

145 28.7 23.8 35.6

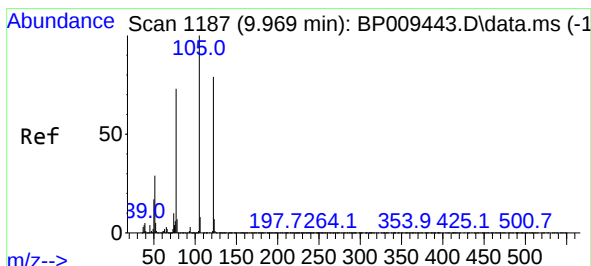
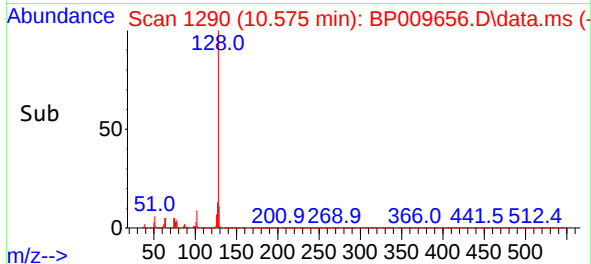
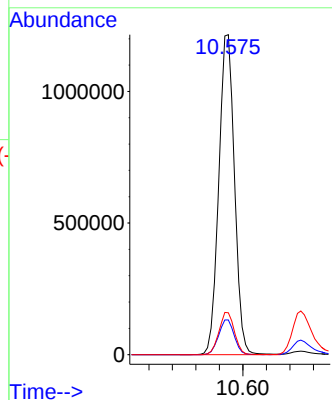
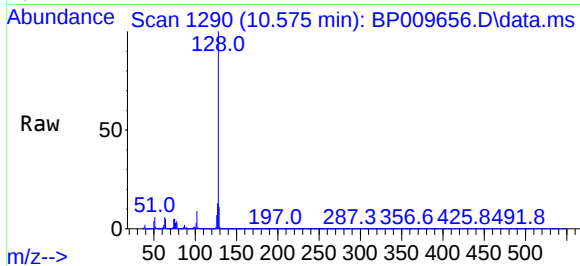




#31  
Naphthalene  
Concen: 48.429 ng  
RT: 10.575 min Scan# 1179  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

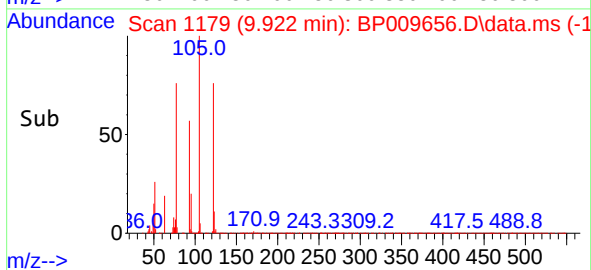
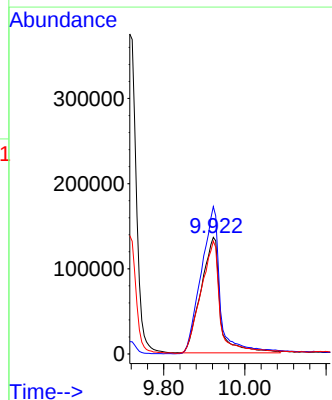
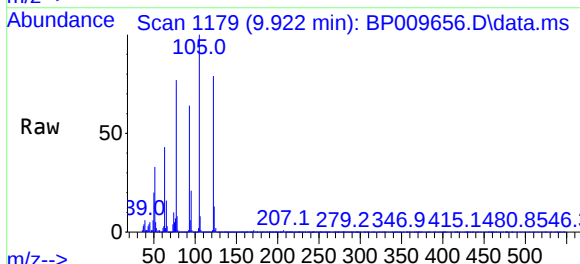
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

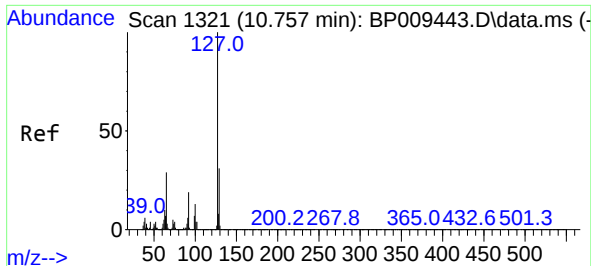
Tgt Ion:128 Resp: 2254218  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.6 13.0  
127 13.1 10.5 15.7



#32  
Benzoic acid  
Concen: 48.674 ng  
RT: 9.922 min Scan# 1179  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:122 Resp: 449620  
Ion Ratio Lower Upper  
122 100  
105 126.4 110.5 150.5  
77 96.8 79.9 119.9



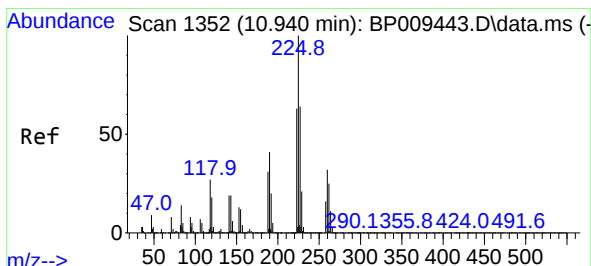
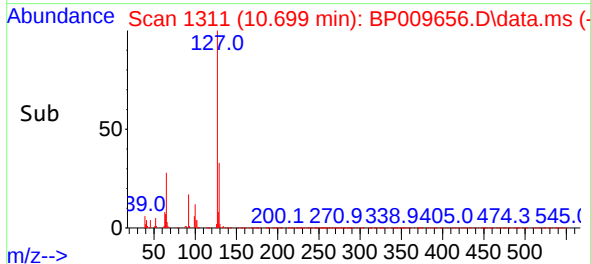
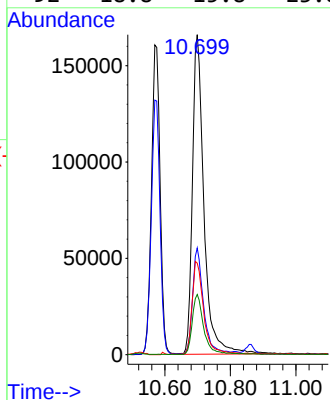
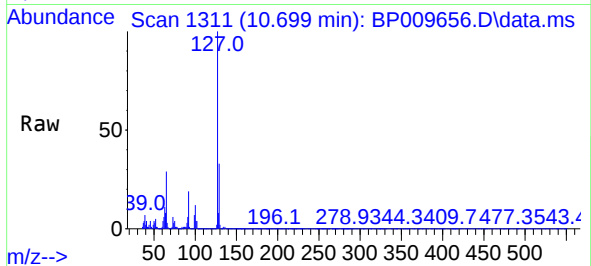


#33  
4-Chloroaniline  
Concen: 21.433 ng  
RT: 10.699 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

Tgt Ion:127 Resp: 407094

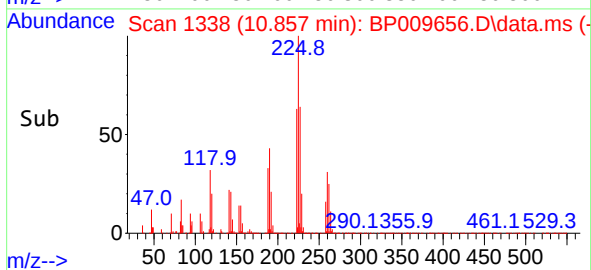
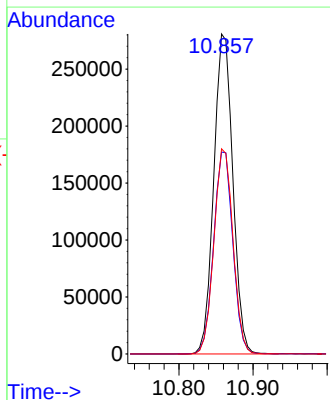
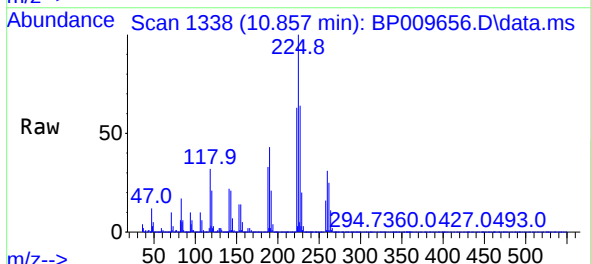
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 127 | 100   |       |       |
| 129 | 33.3  | 25.5  | 38.3  |
| 65  | 28.6  | 24.3  | 36.5  |
| 92  | 18.8  | 15.8  | 23.8  |

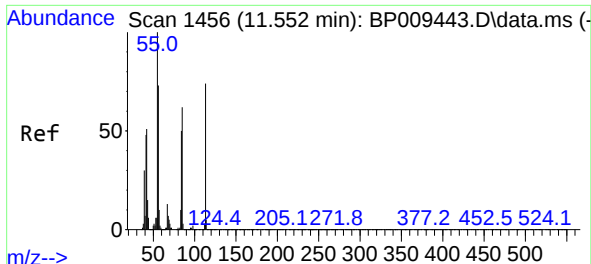


#34  
Hexachlorobutadiene  
Concen: 44.296 ng  
RT: 10.857 min Scan# 1338  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:225 Resp: 501139

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 63.1  | 50.5  | 75.7  |
| 227 | 64.1  | 51.2  | 76.8  |

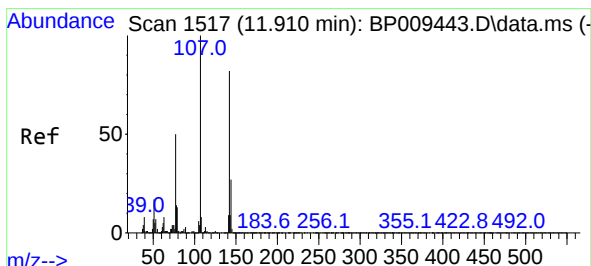
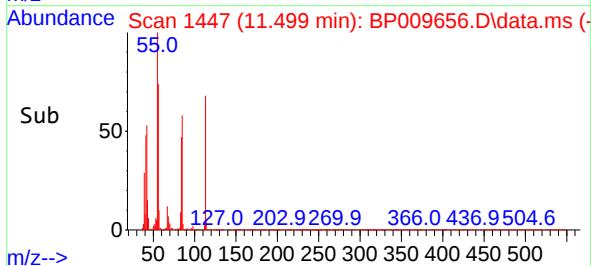
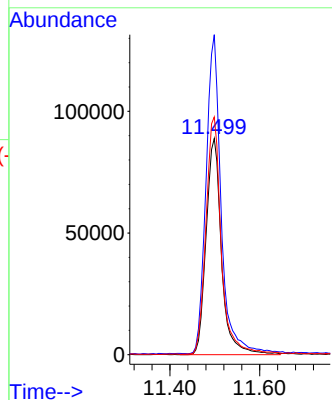
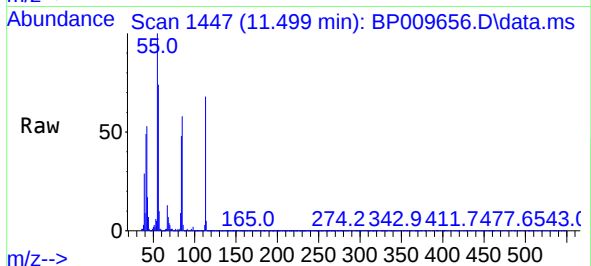




#35  
Caprolactam  
Concen: 43.493 ng  
RT: 11.499 min Scan# 14  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

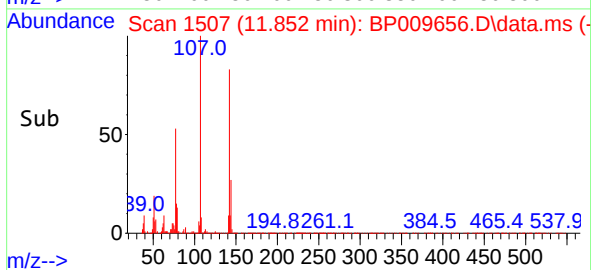
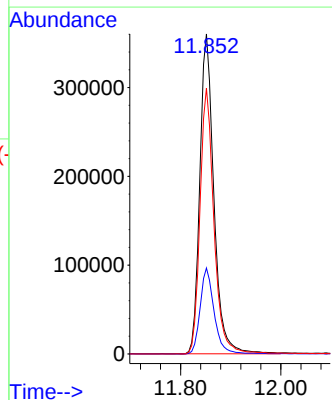
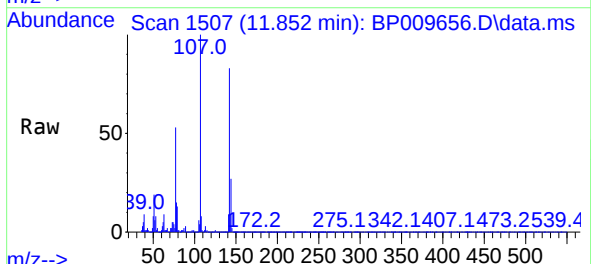
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

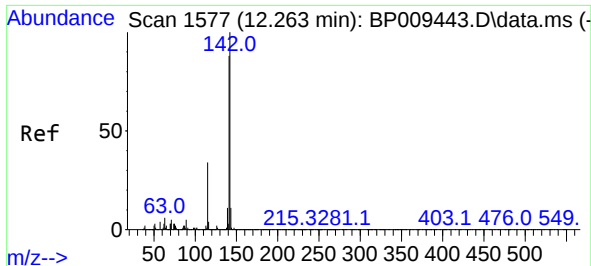
Tgt Ion:113 Resp: 211540  
Ion Ratio Lower Upper  
113 100  
55 148.0 128.4 168.4  
56 110.0 90.9 130.9



#36  
4-Chloro-3-methylphenol  
Concen: 45.415 ng  
RT: 11.852 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:107 Resp: 703303  
Ion Ratio Lower Upper  
107 100  
144 26.8 21.0 31.4  
142 83.1 64.9 97.3

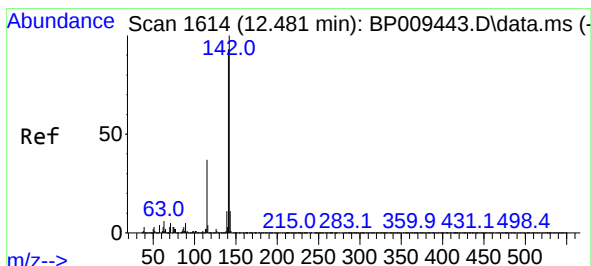
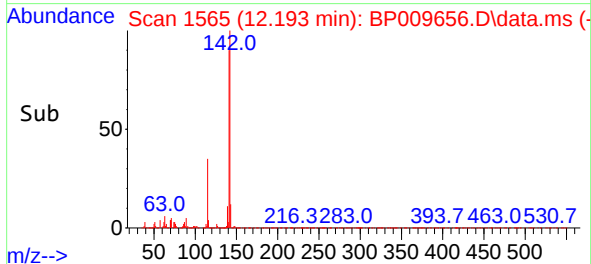
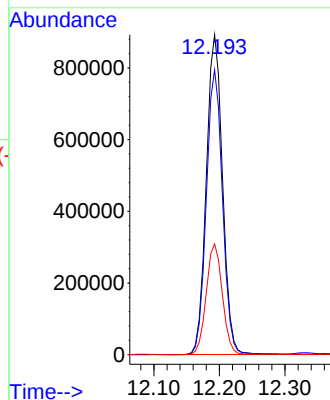
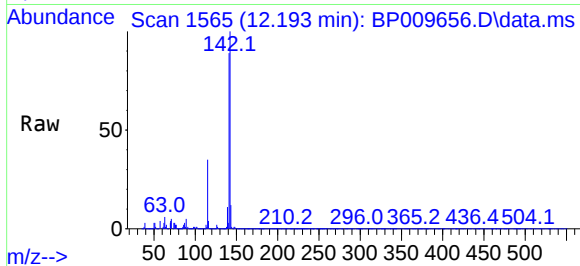




#37  
2-Methylnaphthalene  
Concen: 47.054 ng  
RT: 12.193 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

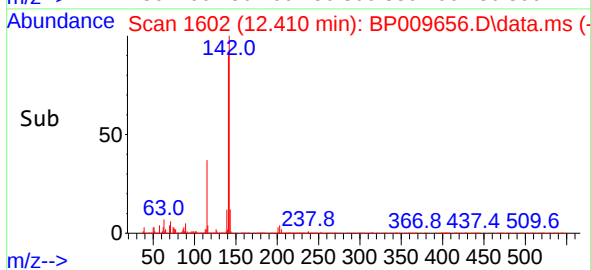
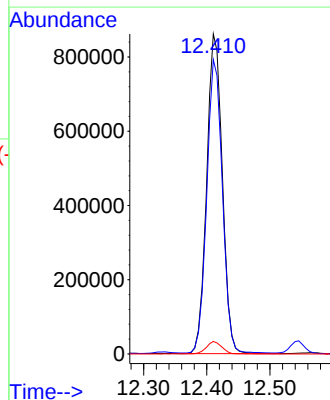
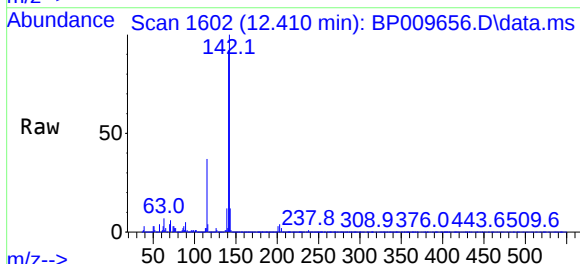
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

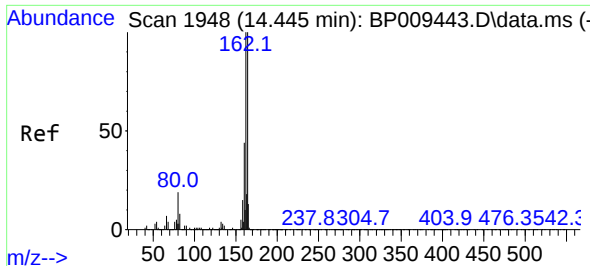
Tgt Ion:142 Resp: 1536727  
Ion Ratio Lower Upper  
142 100  
141 89.0 70.2 105.4  
115 34.6 27.4 41.2



#38  
1-Methylnaphthalene  
Concen: 46.568 ng  
RT: 12.410 min Scan# 1602  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:142 Resp: 1481572  
Ion Ratio Lower Upper  
142 100  
141 92.0 73.5 110.3  
116 3.9 3.3 4.9

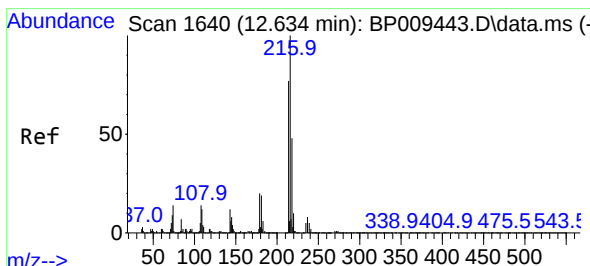
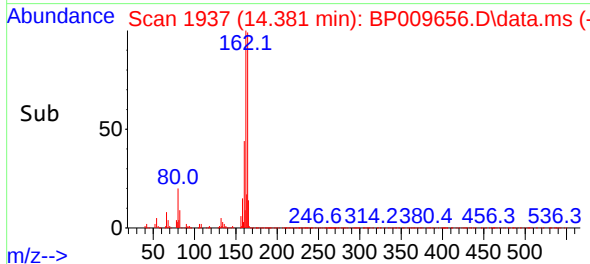
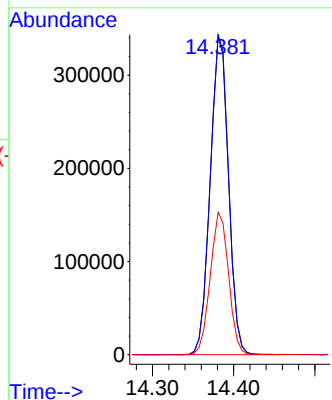
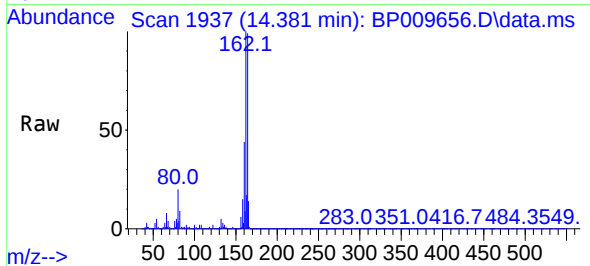




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.381 min Scan# 1948  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

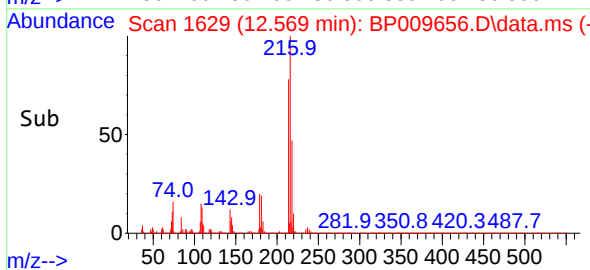
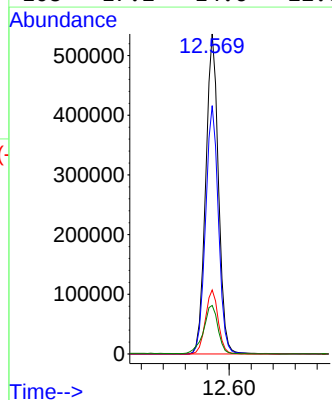
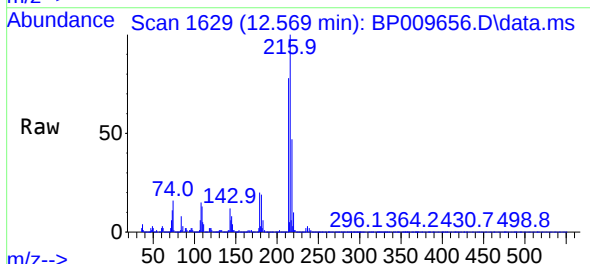
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

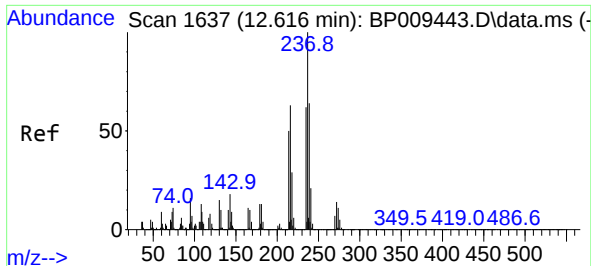
Tgt Ion:164 Resp: 532061  
Ion Ratio Lower Upper  
164 100  
162 100.7 79.1 118.7  
160 44.8 34.9 52.3



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 48.791 ng  
RT: 12.569 min Scan# 1629  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:216 Resp: 861323  
Ion Ratio Lower Upper  
216 100  
214 78.3 62.3 93.5  
179 20.0 16.8 25.2  
108 17.2 14.6 22.0



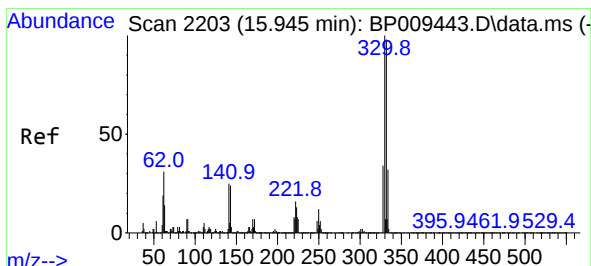
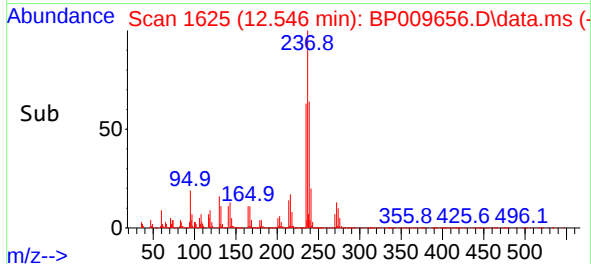
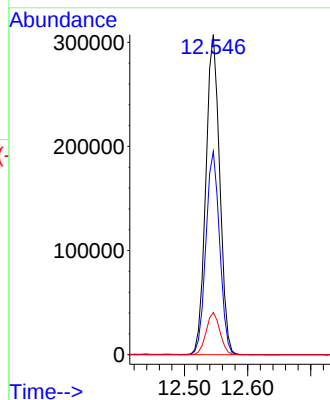
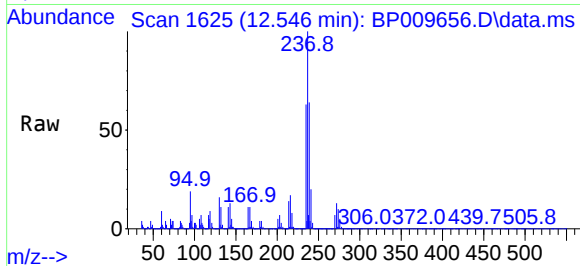


#41  
Hexachlorocyclopentadiene  
Concen: 62.609 ng  
RT: 12.546 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

Tgt Ion:237 Resp: 467717

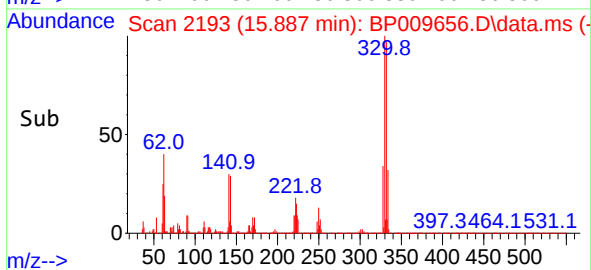
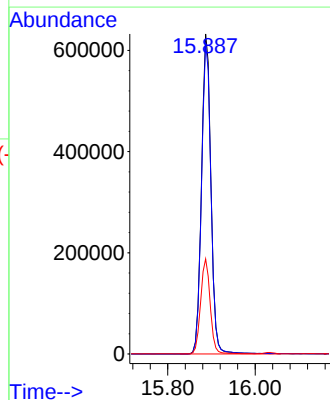
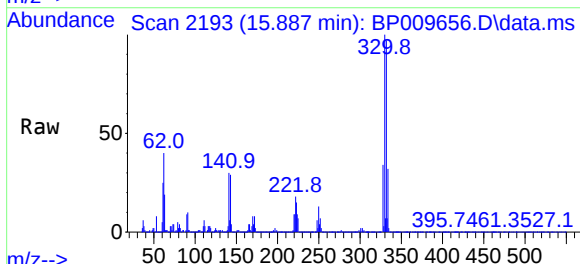
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 63.5  | 42.6  | 82.6  |
| 272 | 13.2  | 0.0   | 32.8  |

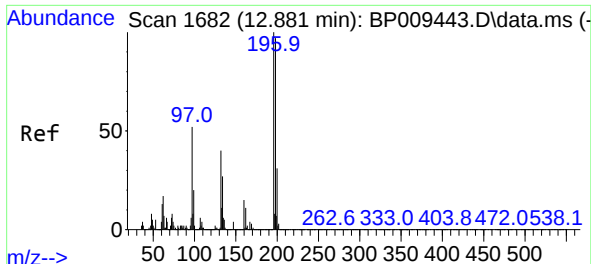


#42  
2,4,6-Tribromophenol  
Concen: 108.292 ng  
RT: 15.887 min Scan# 2193  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:330 Resp: 950797

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 97.4  | 77.0  | 115.6 |
| 141 | 30.0  | 27.6  | 41.4  |

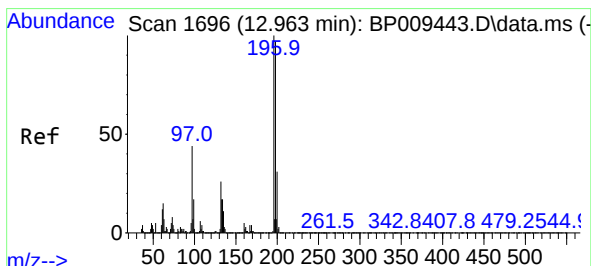
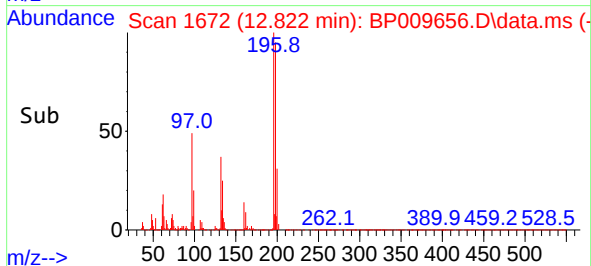
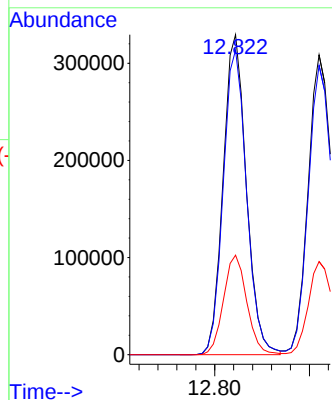
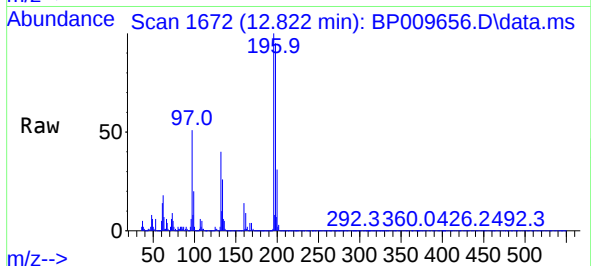




#43  
2,4,6-Trichlorophenol  
Concen: 47.868 ng  
RT: 12.822 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

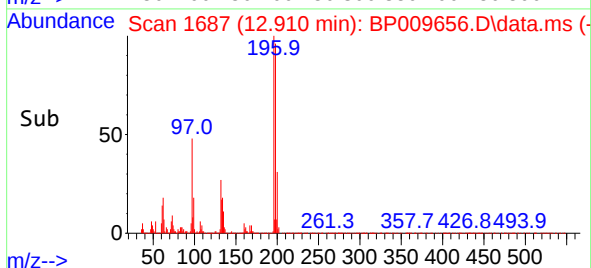
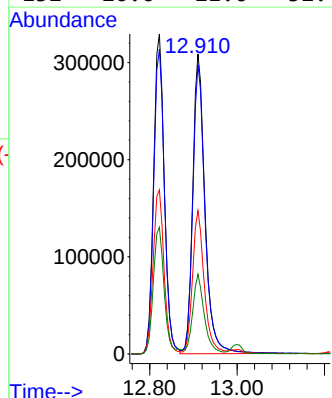
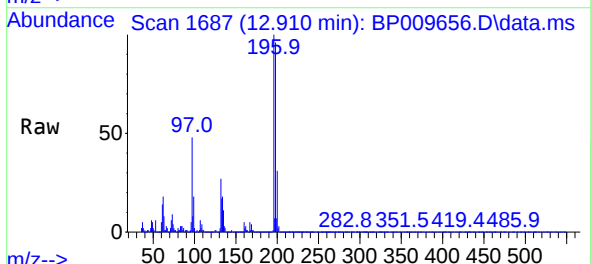
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

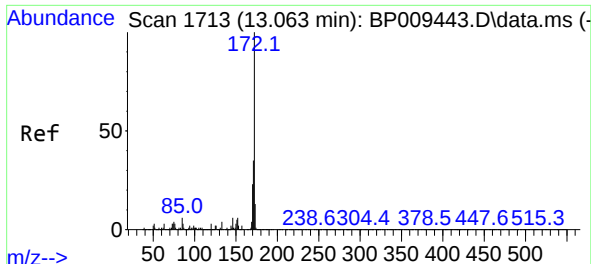
Tgt Ion:196 Resp: 560103  
Ion Ratio Lower Upper  
196 100  
198 95.2 76.2 114.4  
200 31.1 24.4 36.6



#44  
2,4,5-Trichlorophenol  
Concen: 47.395 ng  
RT: 12.910 min Scan# 1687  
Delta R.T. 0.000 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:196 Resp: 602225  
Ion Ratio Lower Upper  
196 100  
198 96.5 76.6 114.8  
97 47.8 38.3 57.5  
132 26.6 21.6 32.4

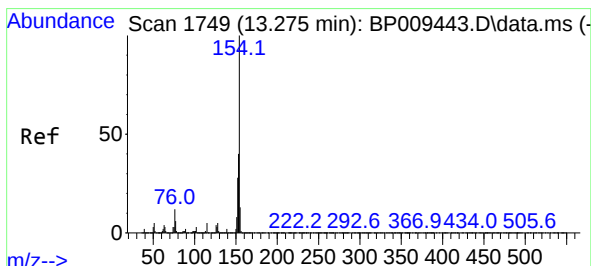
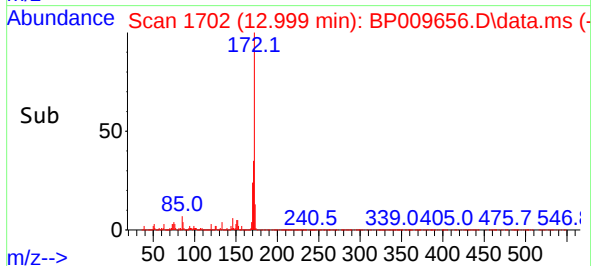
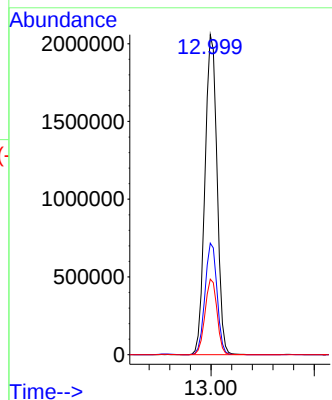
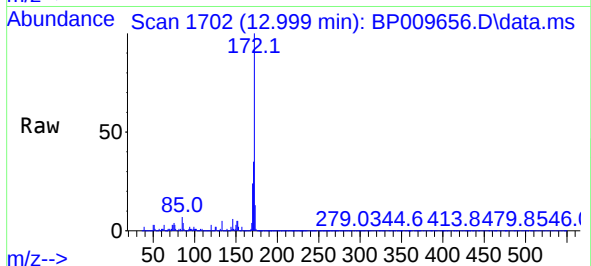




#45  
2-Fluorobiphenyl  
Concen: 86.989 ng  
RT: 12.999 min Scan# 1713  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

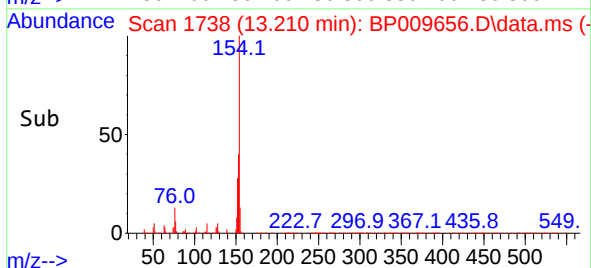
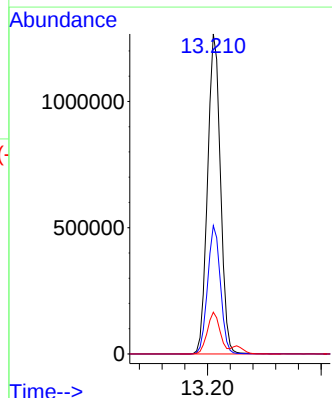
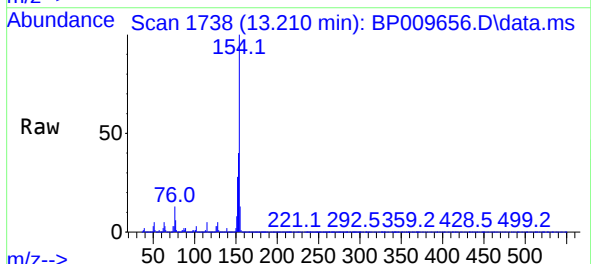
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

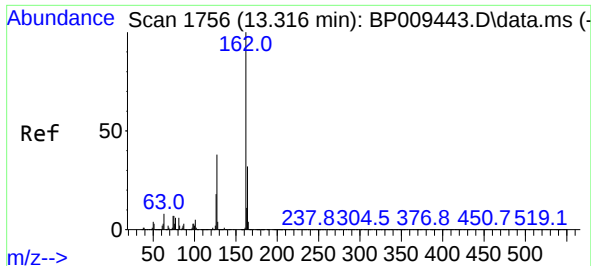
Tgt Ion:172 Resp: 3338667  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.0 42.0  
170 23.6 18.6 27.8



#46  
1,1'-Biphenyl  
Concen: 49.996 ng  
RT: 13.210 min Scan# 1738  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:154 Resp: 1984443  
Ion Ratio Lower Upper  
154 100  
153 40.1 20.2 60.2  
76 13.0 0.0 34.0

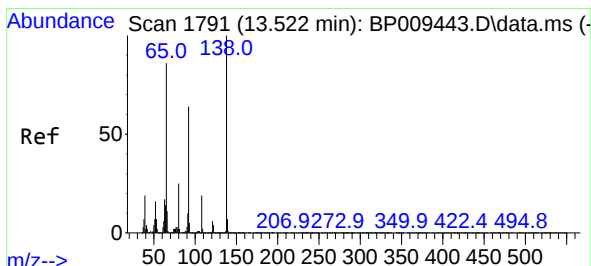
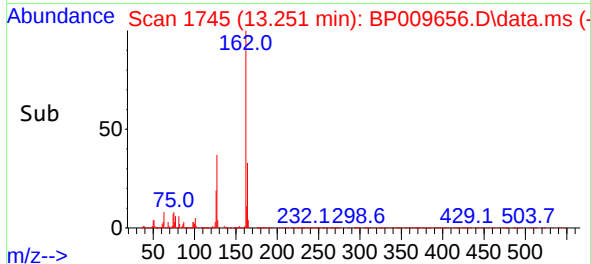
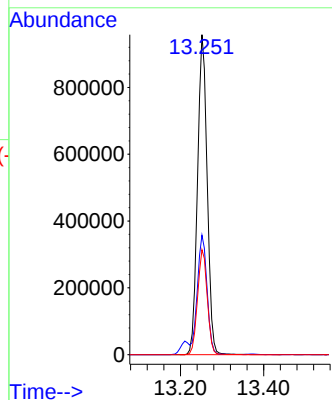
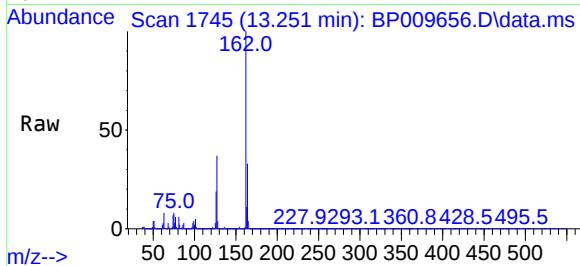




#47  
2-Chloronaphthalene  
Concen: 49.328 ng  
RT: 13.251 min Scan# 1782  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

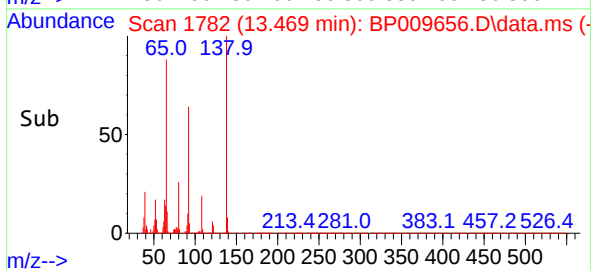
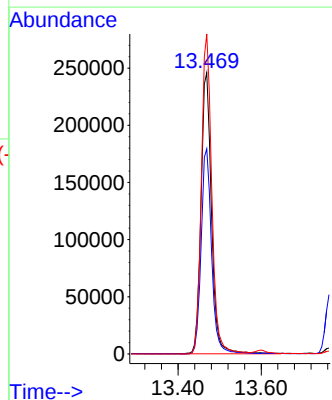
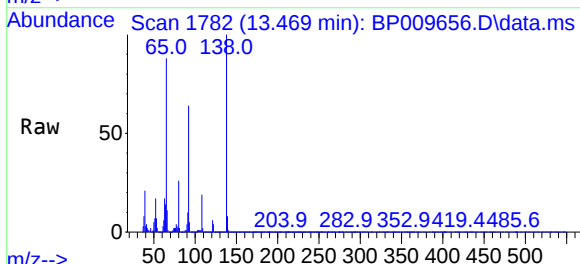
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

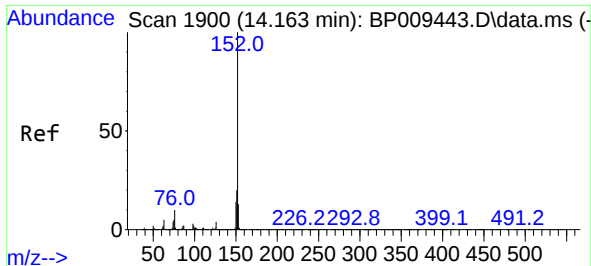
Tgt Ion:162 Resp: 1541489  
Ion Ratio Lower Upper  
162 100  
127 37.3 30.8 46.2  
164 32.8 26.3 39.5



#48  
2-Nitroaniline  
Concen: 50.805 ng  
RT: 13.469 min Scan# 1782  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion: 65 Resp: 432413  
Ion Ratio Lower Upper  
65 100  
92 72.9 56.9 85.3  
138 113.7 89.3 133.9

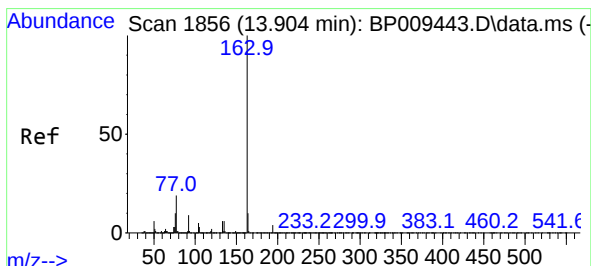
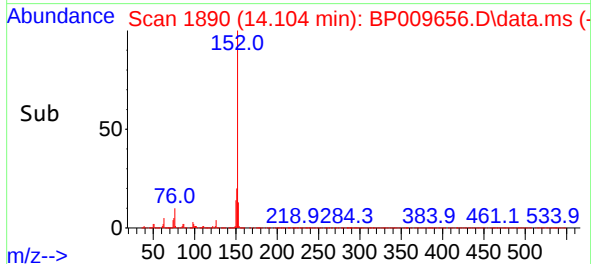
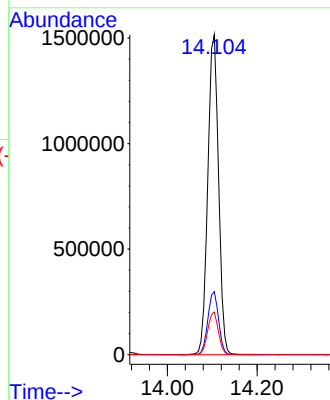
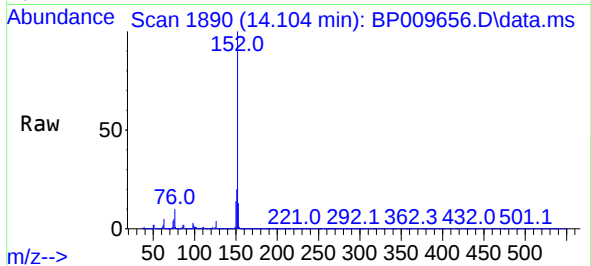




#49  
Acenaphthylene  
Concen: 52.223 ng  
RT: 14.104 min Scan# 1890  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

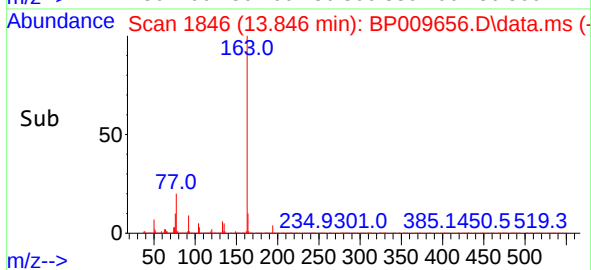
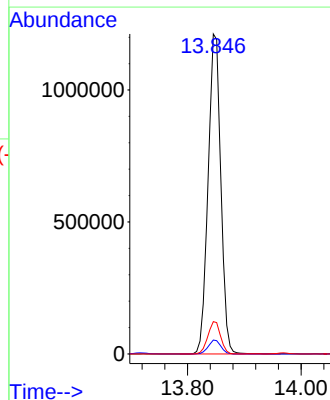
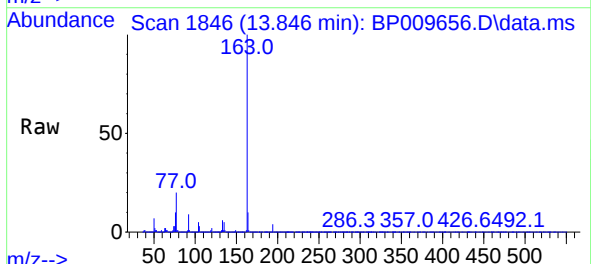
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

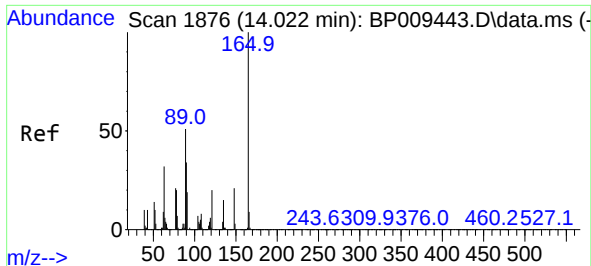
Tgt Ion:152 Resp: 2519296  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.9 23.9  
153 13.3 10.7 16.1



#50  
Dimethylphthalate  
Concen: 46.478 ng  
RT: 13.846 min Scan# 1846  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:163 Resp: 1873803  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.4 5.0  
164 10.1 8.2 12.2

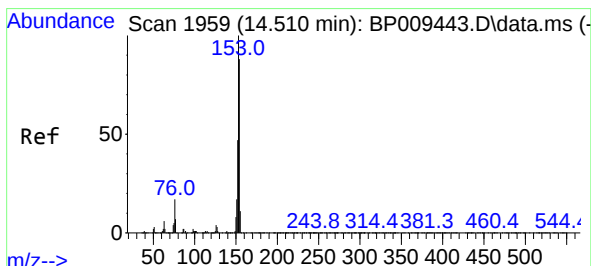
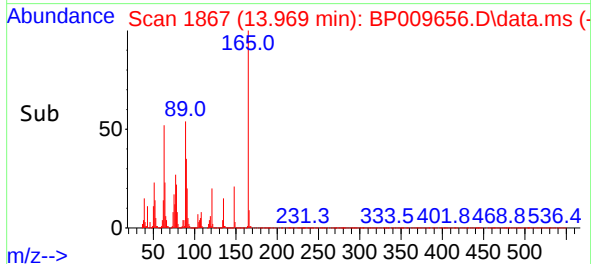
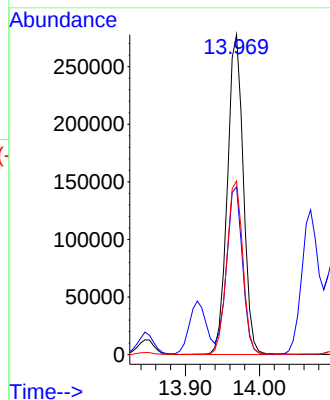
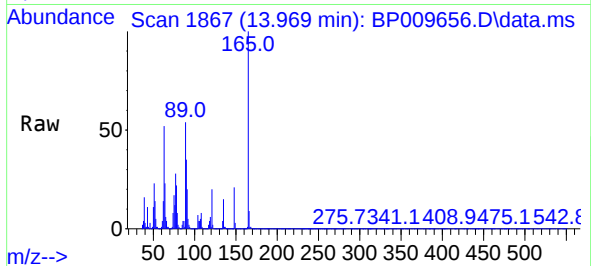




#51  
2,6-Dinitrotoluene  
Concen: 48.968 ng  
RT: 13.969 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

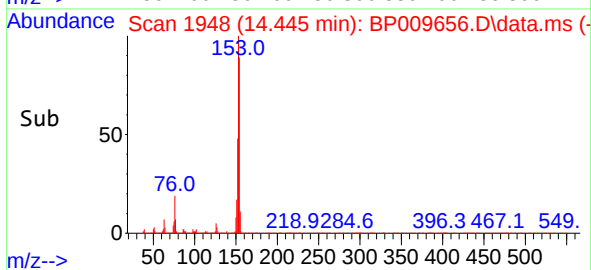
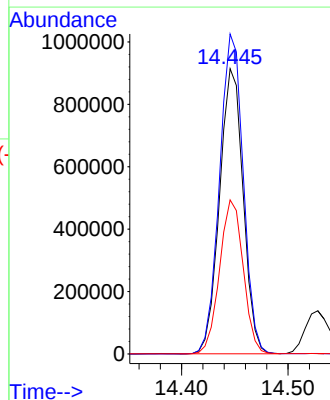
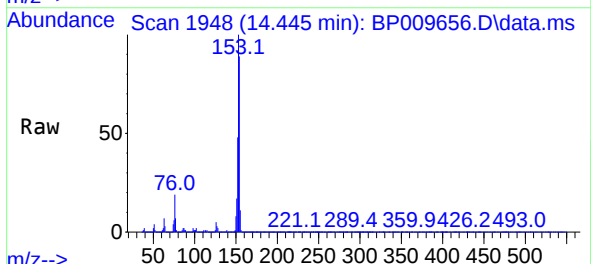
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

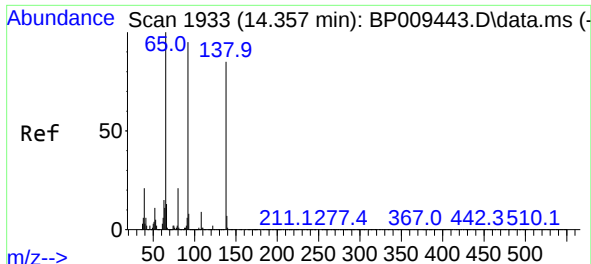
Tgt Ion:165 Resp: 413630  
Ion Ratio Lower Upper  
165 100  
63 52.5 40.9 61.3  
89 54.2 43.4 65.2



#52  
Acenaphthene  
Concen: 48.830 ng  
RT: 14.445 min Scan# 1948  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:154 Resp: 1407149  
Ion Ratio Lower Upper  
154 100  
153 112.1 90.2 135.4  
152 54.0 42.7 64.1

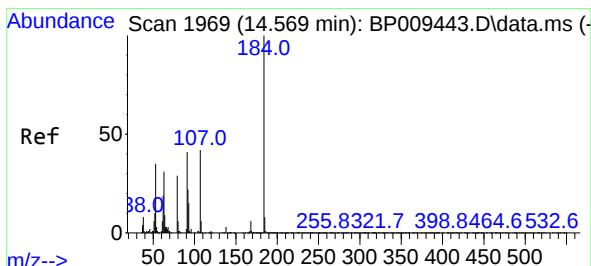
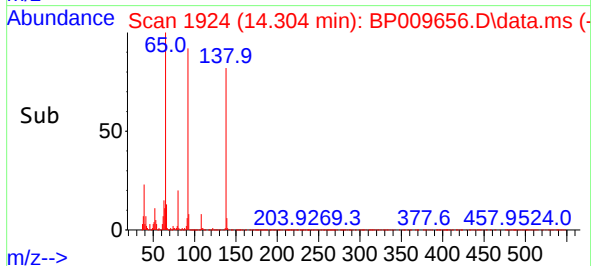
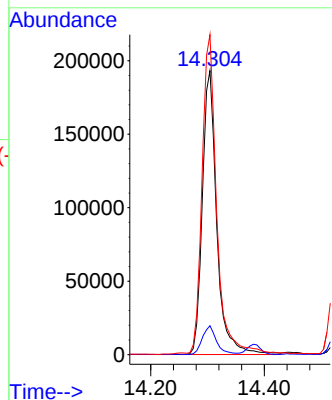
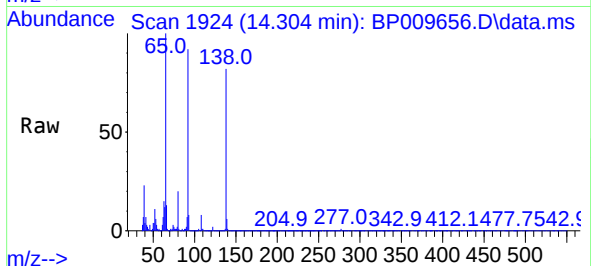




#53  
3-Nitroaniline  
Concen: 38.046 ng  
RT: 14.304 min Scan# 1933  
Delta R.T. 0.000 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

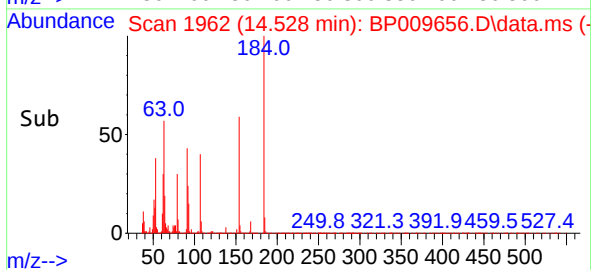
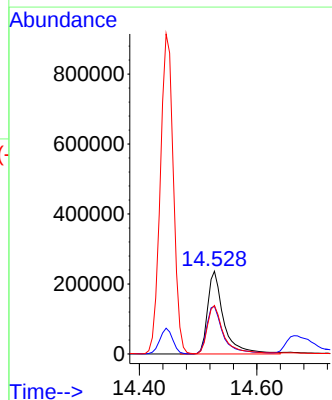
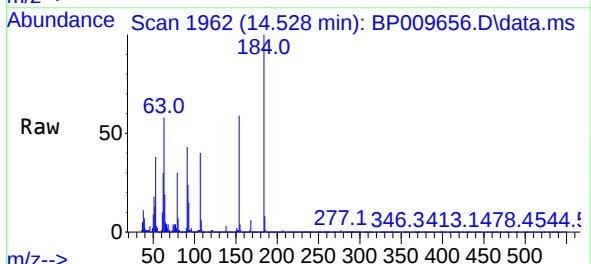
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

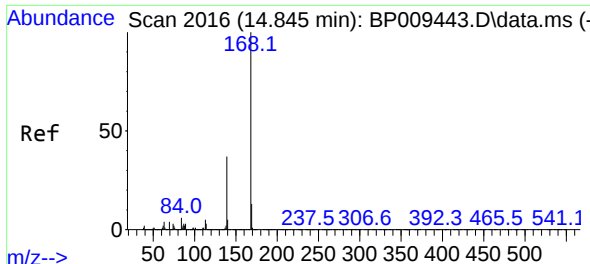
Tgt Ion:138 Resp: 339448  
Ion Ratio Lower Upper  
138 100  
108 10.2 9.7 14.5  
92 112.6 94.4 141.6



#54  
2,4-Dinitrophenol  
Concen: 85.169 ng  
RT: 14.528 min Scan# 1962  
Delta R.T. 0.000 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:184 Resp: 448671  
Ion Ratio Lower Upper  
184 100  
63 57.6 46.3 69.5  
154 58.6 45.8 68.6

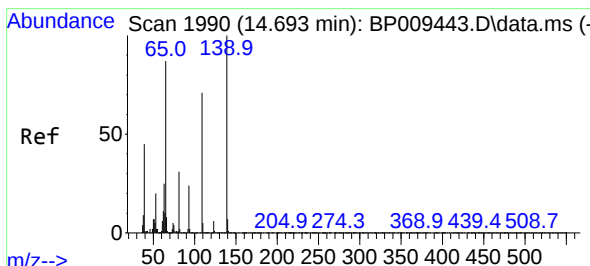
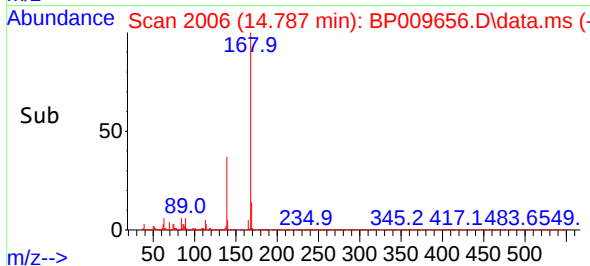
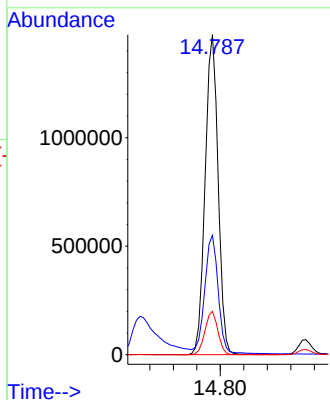
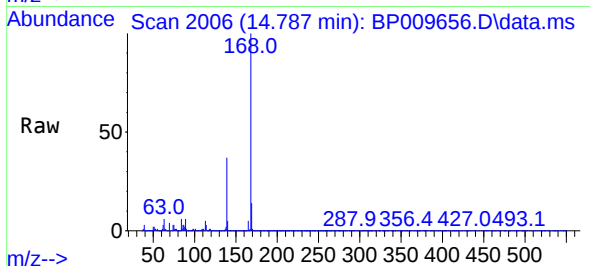




#55  
Dibenzenofuran  
Concen: 46.661 ng  
RT: 14.787 min Scan# 2016  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

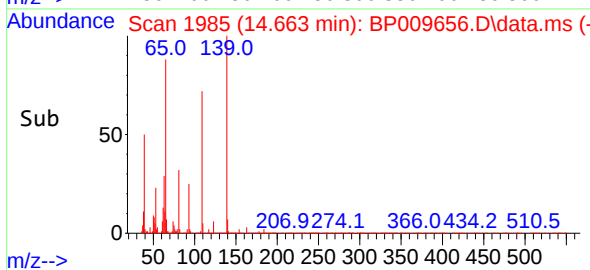
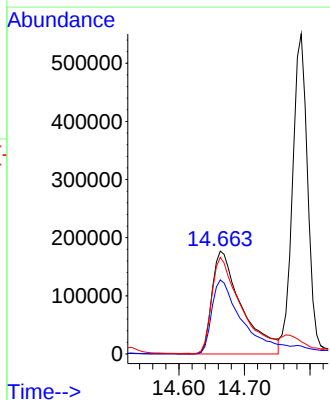
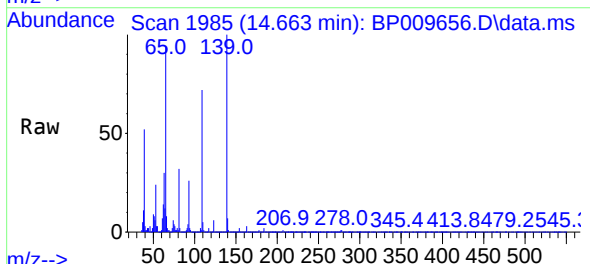
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

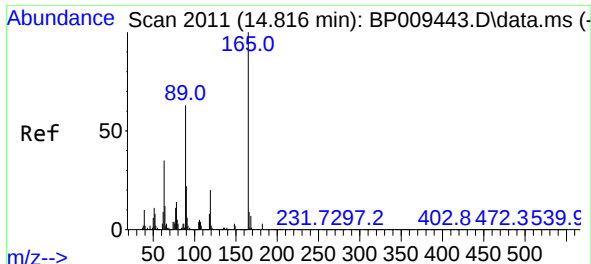
Tgt Ion:168 Resp: 2258981  
Ion Ratio Lower Upper  
168 100  
139 37.3 29.1 43.7  
169 13.6 10.6 16.0



#56  
4-Nitrophenol  
Concen: 83.534 ng  
RT: 14.663 min Scan# 1985  
Delta R.T. 0.018 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:139 Resp: 555549  
Ion Ratio Lower Upper  
139 100  
109 72.0 51.2 91.2  
65 93.9 73.2 113.2

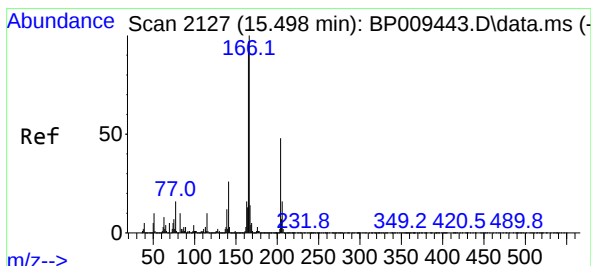
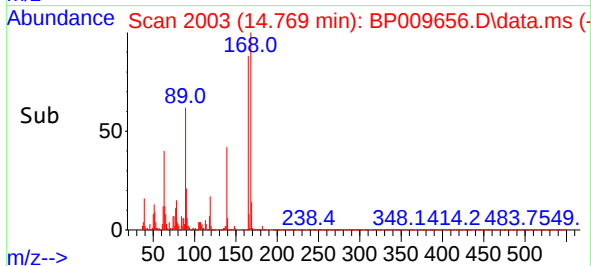
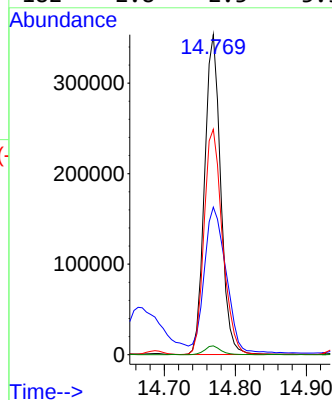
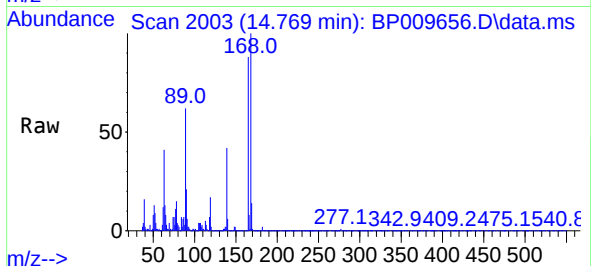




#57  
2,4-Dinitrotoluene  
Concen: 48.036 ng  
RT: 14.769 min Scan# 2011  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

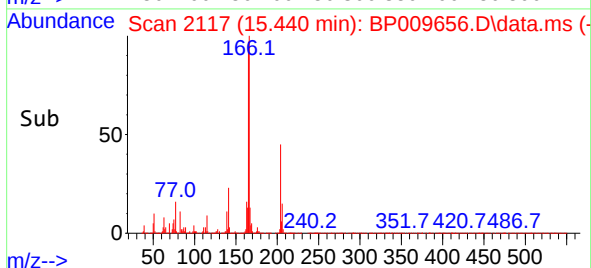
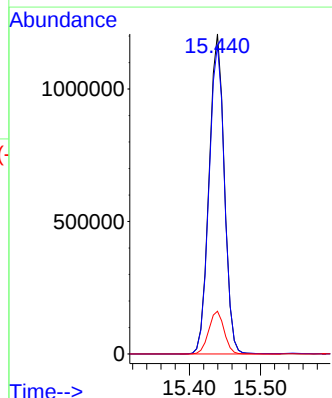
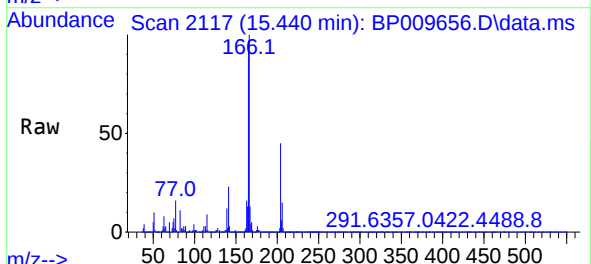
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

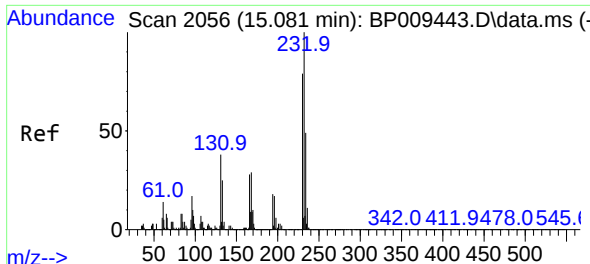
Tgt Ion:165 Resp: 557928  
Ion Ratio Lower Upper  
165 100  
63 46.1 31.4 47.2  
89 70.4 55.9 83.9  
182 2.8 2.3 3.5



#58  
Fluorene  
Concen: 47.310 ng  
RT: 15.440 min Scan# 2117  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:166 Resp: 1801355  
Ion Ratio Lower Upper  
166 100  
165 96.6 79.2 118.8  
167 13.3 10.7 16.1



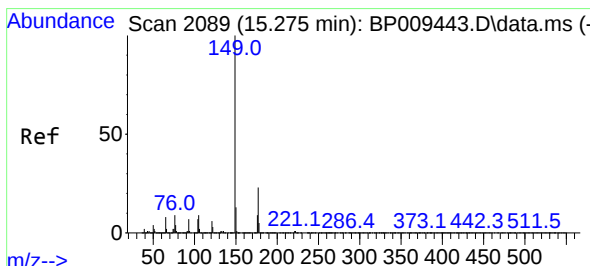
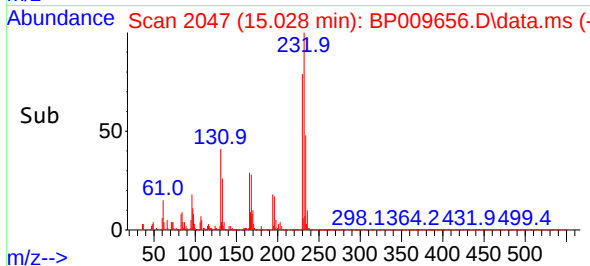
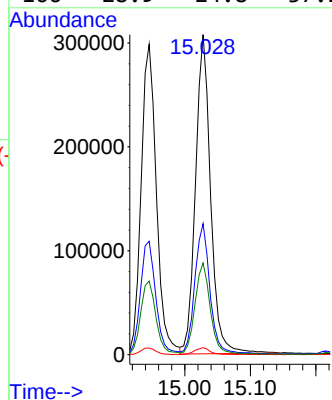
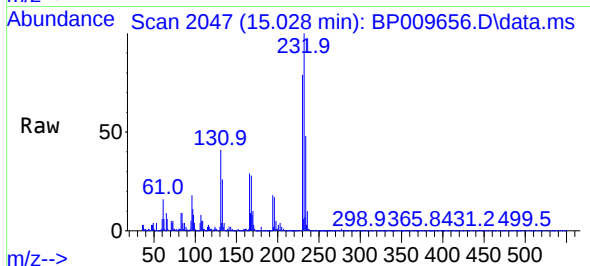


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.807 ng  
RT: 15.028 min Scan# 2056  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

Tgt Ion:232 Resp: 493106

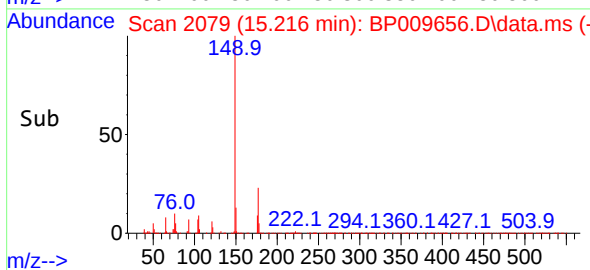
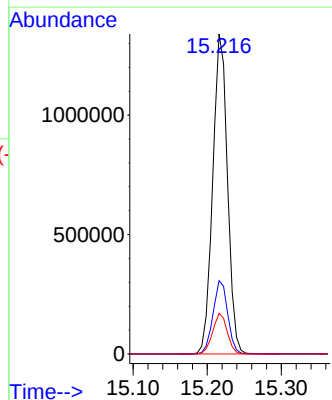
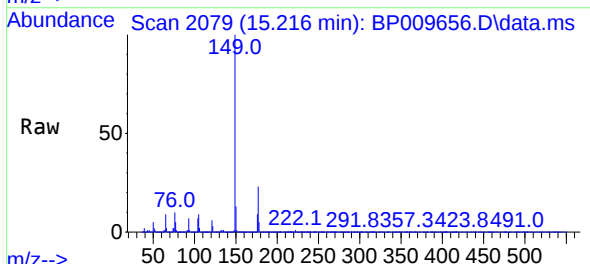
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 232 | 100   |       |       |
| 131 | 41.0  | 35.5  | 53.3  |
| 130 | 2.2   | 1.8   | 2.8   |
| 166 | 28.9  | 24.8  | 37.2  |

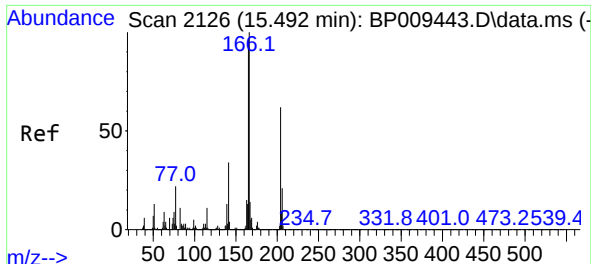


#60  
Diethylphthalate  
Concen: 45.785 ng  
RT: 15.216 min Scan# 2079  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:149 Resp: 1847409

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 177 | 22.9  | 18.2  | 27.2  |
| 150 | 12.7  | 9.9   | 14.9  |

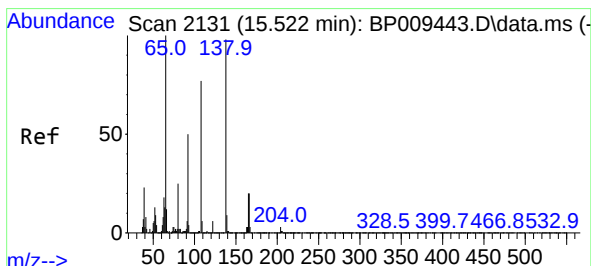
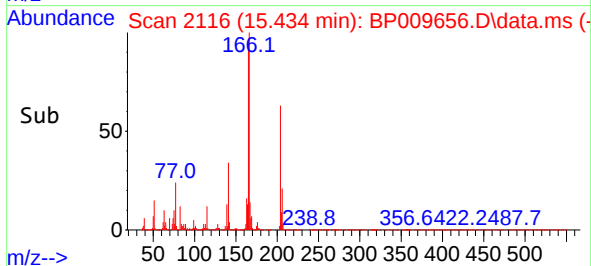
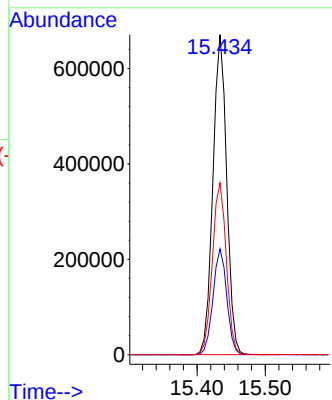
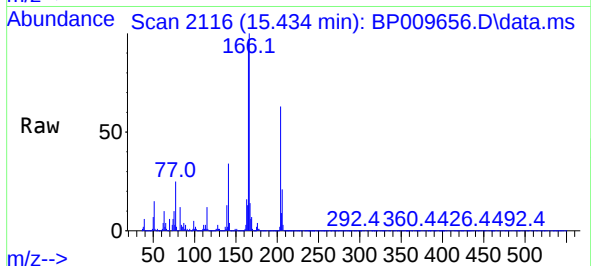




#61  
4-Chlorophenyl-phenylether  
Concen: 44.954 ng  
RT: 15.434 min Scan# 2116  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

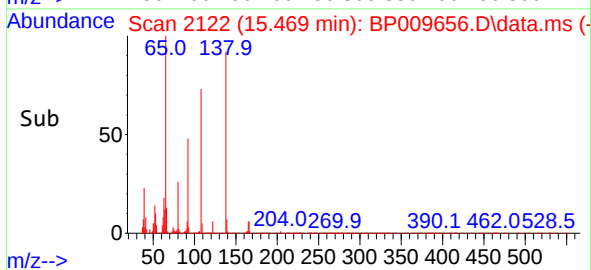
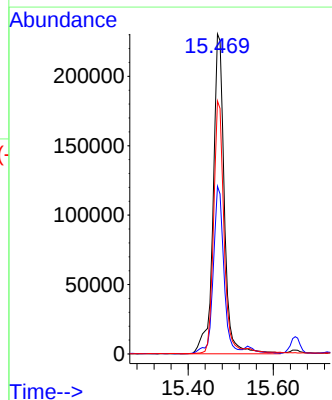
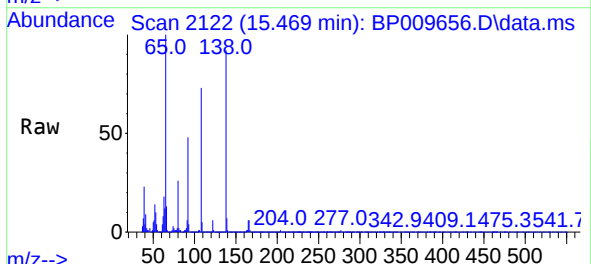
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

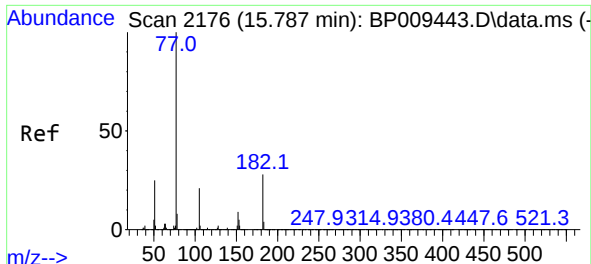
Tgt Ion:204 Resp: 942872  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.0 39.0  
141 53.7 45.9 68.9



#62  
4-Nitroaniline  
Concen: 44.939 ng  
RT: 15.469 min Scan# 2122  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:138 Resp: 421074  
Ion Ratio Lower Upper  
138 100  
92 52.4 31.2 71.2  
108 79.0 54.3 94.3



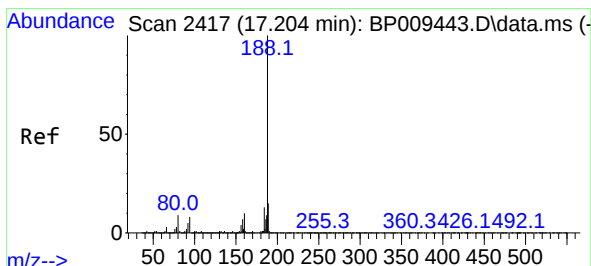
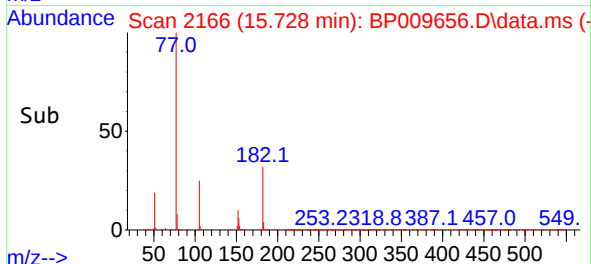
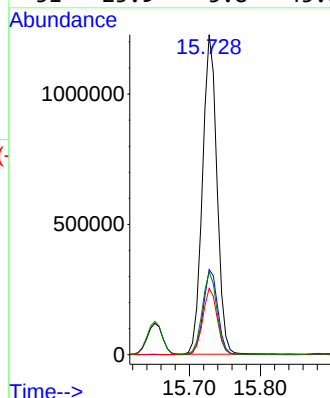
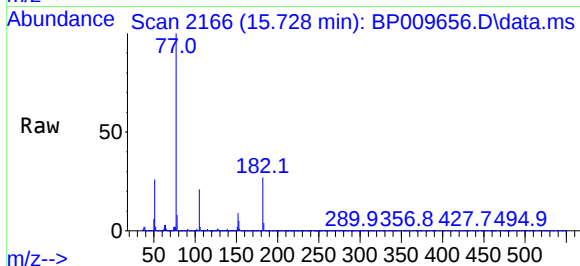


#63  
Azobenzene  
Concen: 49.562 ng  
RT: 15.728 min Scan# 2176  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

Tgt Ion: 77 Resp: 1739643

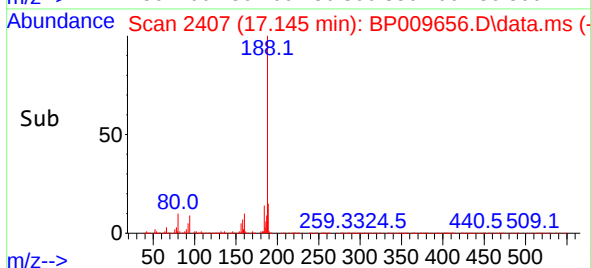
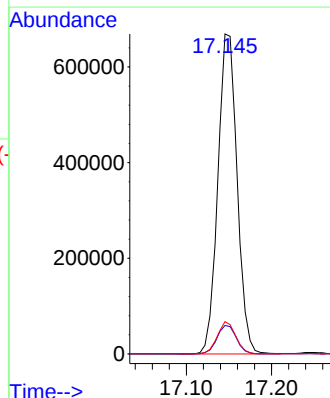
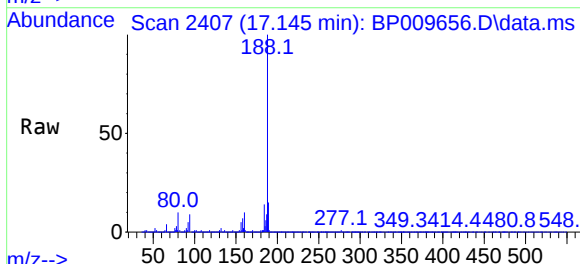
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 26.6  | 5.4   | 45.4  |
| 105 | 20.7  | 0.3   | 40.3  |
| 51  | 25.9  | 5.8   | 45.8  |

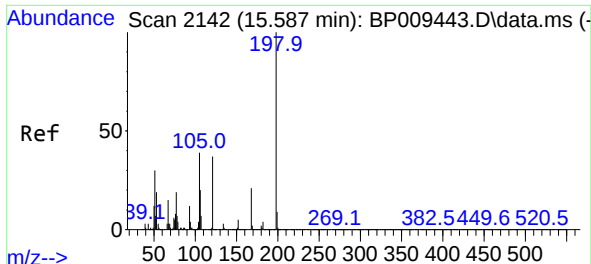


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.145 min Scan# 2407  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion: 188 Resp: 1049768

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 8.9   | 7.9   | 11.9  |
| 80  | 10.1  | 8.8   | 13.2  |

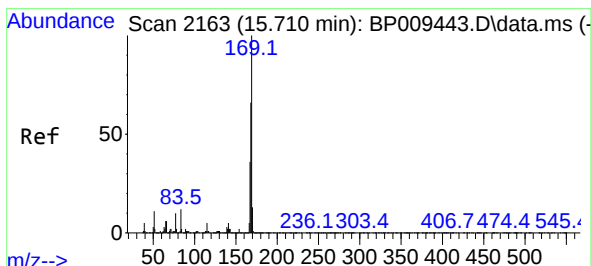
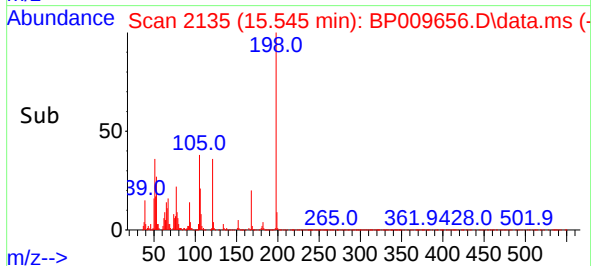
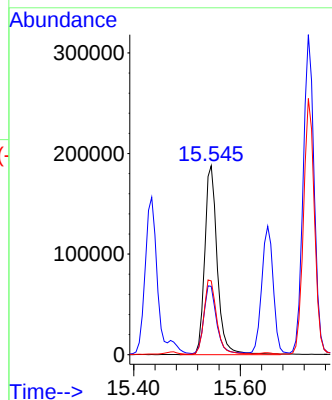
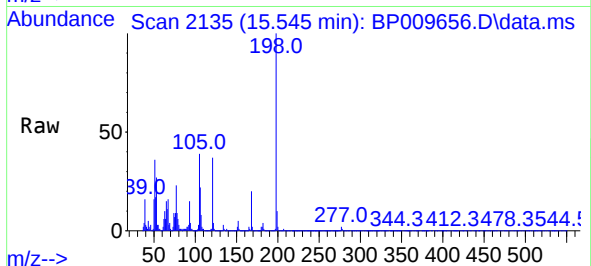




#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.239 ng  
RT: 15.545 min Scan# 2142  
Delta R.T. 0.000 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

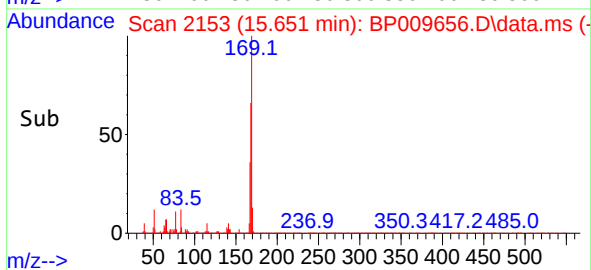
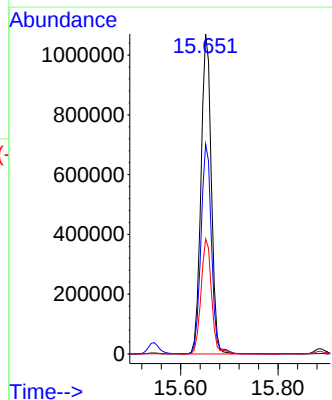
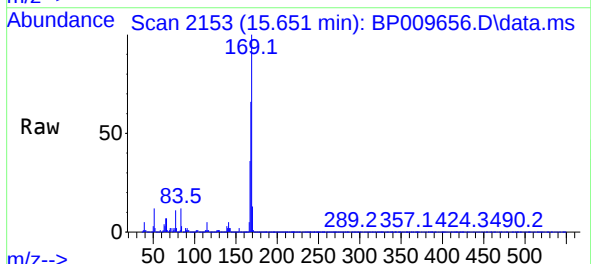
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

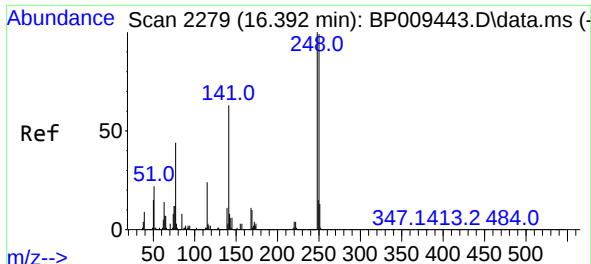
Tgt Ion:198 Resp: 305376  
Ion Ratio Lower Upper  
198 100  
51 36.1 17.7 57.7  
105 39.1 23.2 63.2



#66  
n-Nitrosodiphenylamine  
Concen: 50.656 ng  
RT: 15.651 min Scan# 2153  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:169 Resp: 1573649  
Ion Ratio Lower Upper  
169 100  
168 65.6 51.6 77.4  
167 36.0 29.0 43.4

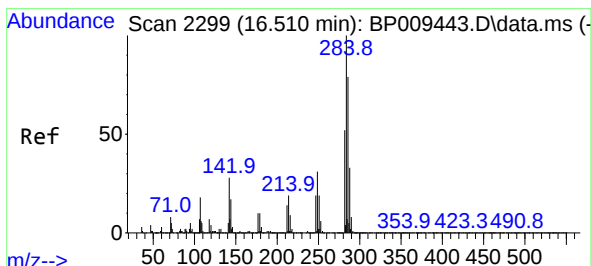
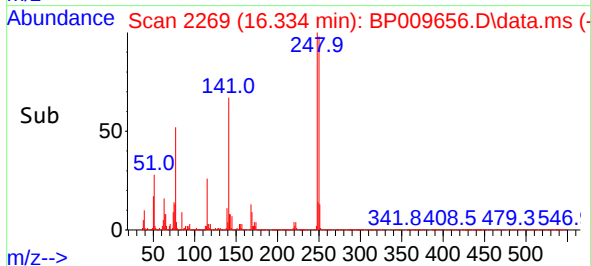
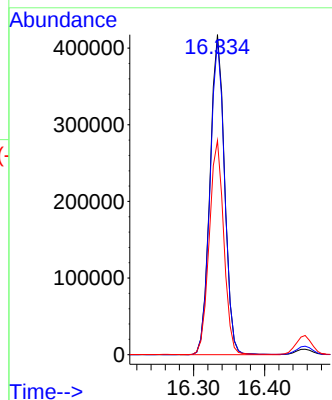
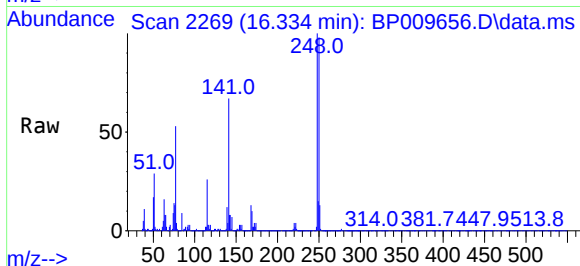




#67  
4-Bromophenyl-phenylether  
Concen: 46.446 ng  
RT: 16.334 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

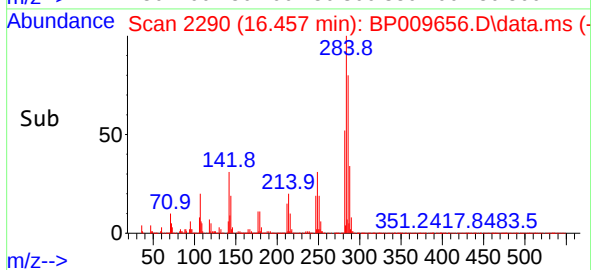
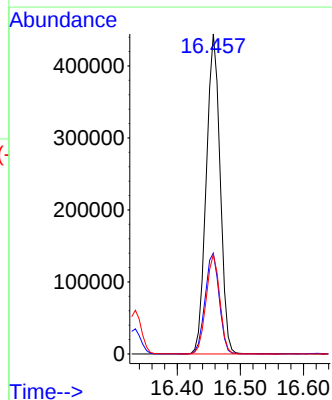
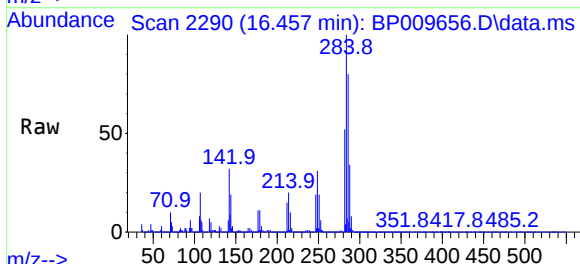
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

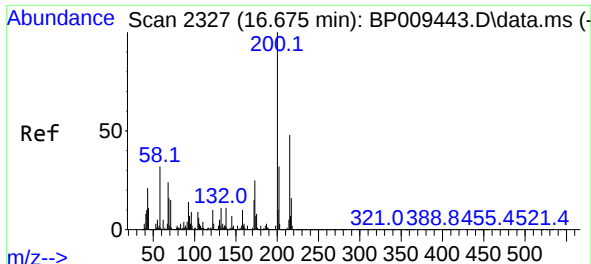
Tgt Ion:248 Resp: 596629  
Ion Ratio Lower Upper  
248 100  
250 98.3 77.7 116.5  
141 66.9 58.3 87.5



#68  
Hexachlorobenzene  
Concen: 45.664 ng  
RT: 16.457 min Scan# 2290  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:284 Resp: 675097  
Ion Ratio Lower Upper  
284 100  
142 31.5 26.8 40.2  
249 31.1 24.6 37.0

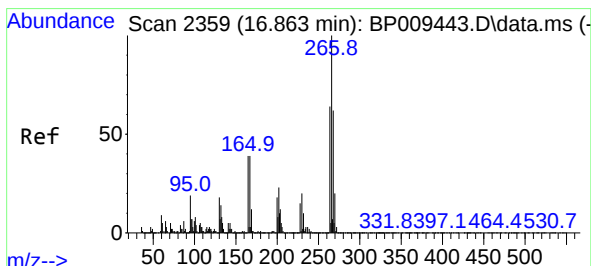
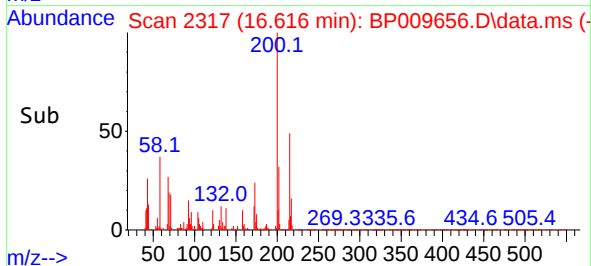
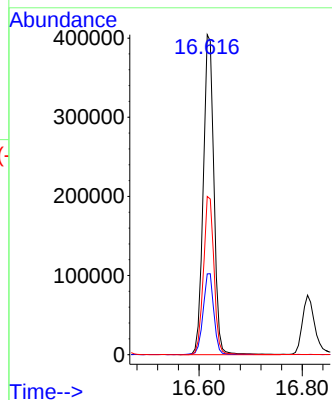
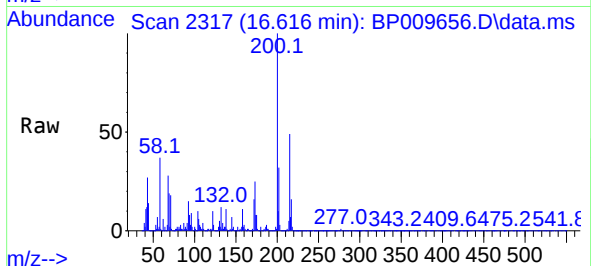




#69  
Atrazine  
Concen: 52.685 ng  
RT: 16.616 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

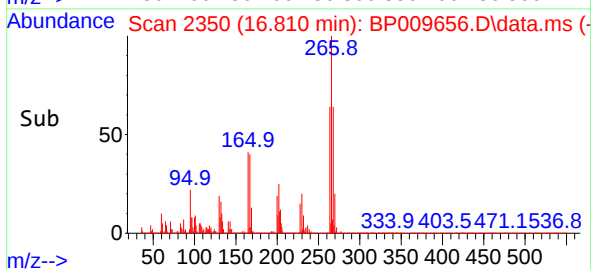
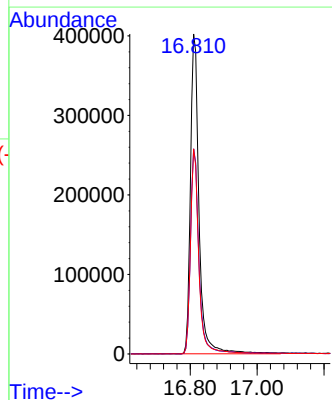
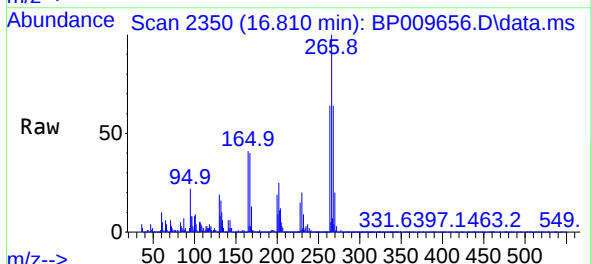
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

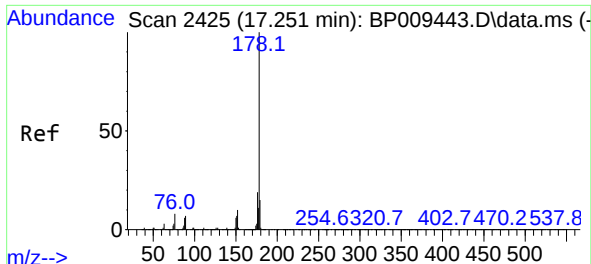
Tgt Ion:200 Resp: 575443  
Ion Ratio Lower Upper  
200 100  
173 25.2 6.2 46.2  
215 49.4 28.5 68.5



#70  
Pentachlorophenol  
Concen: 90.894 ng  
RT: 16.810 min Scan# 2350  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:266 Resp: 718324  
Ion Ratio Lower Upper  
266 100  
268 64.1 49.8 74.8  
264 64.1 50.9 76.3

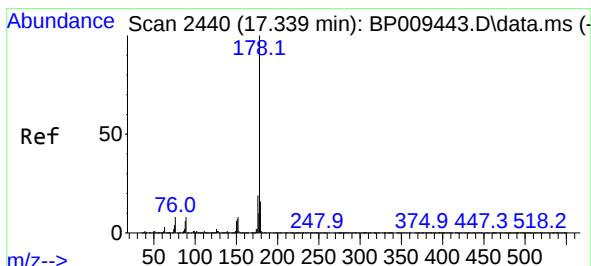
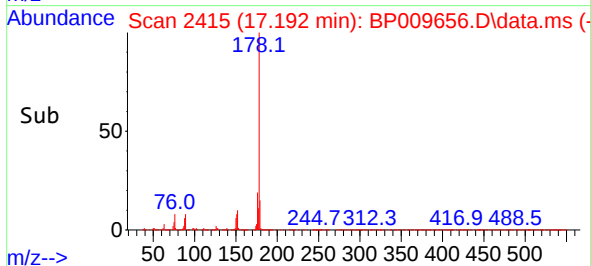
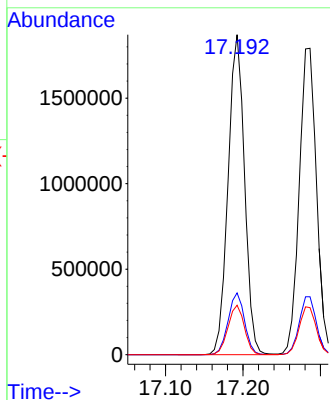
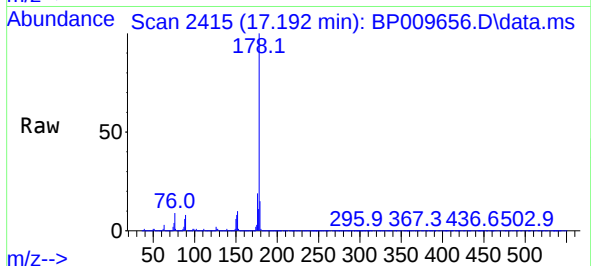




#71  
Phenanthrene  
Concen: 49.291 ng  
RT: 17.192 min Scan# 2415  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

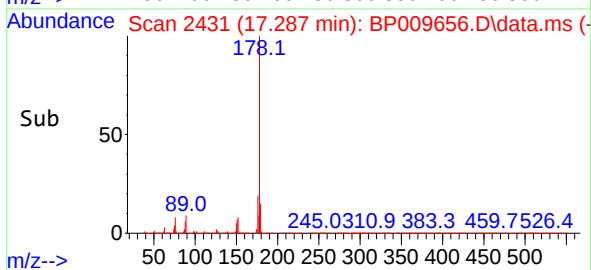
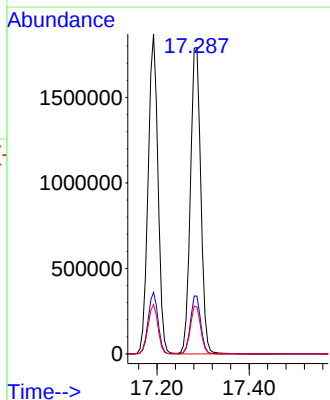
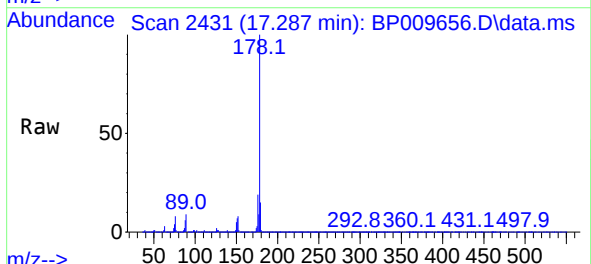
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

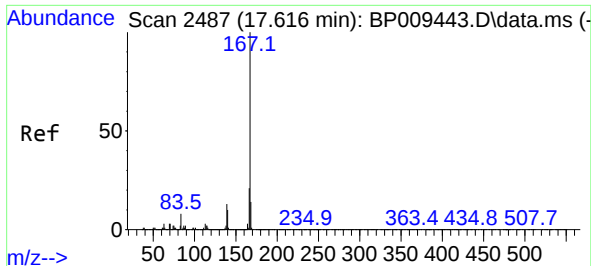
Tgt Ion:178 Resp: 2769855  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.2  
179 15.5 12.3 18.5



#72  
Anthracene  
Concen: 50.278 ng  
RT: 17.287 min Scan# 2431  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:178 Resp: 2789523  
Ion Ratio Lower Upper  
178 100  
176 18.9 14.8 22.2  
179 15.4 12.2 18.4

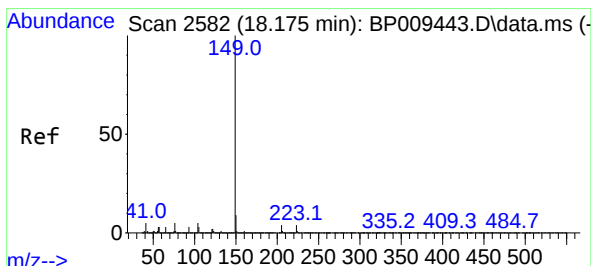
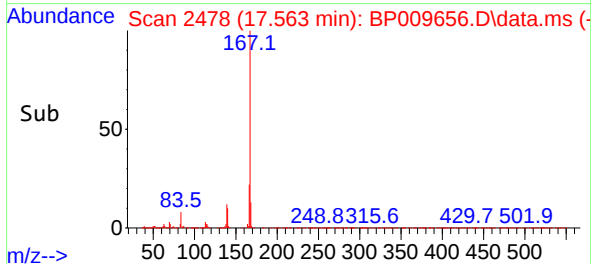
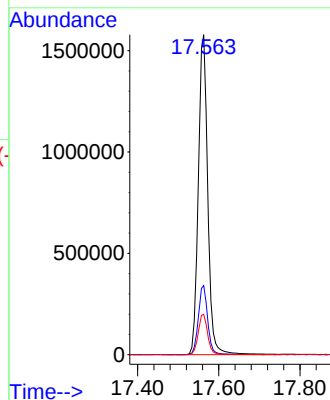
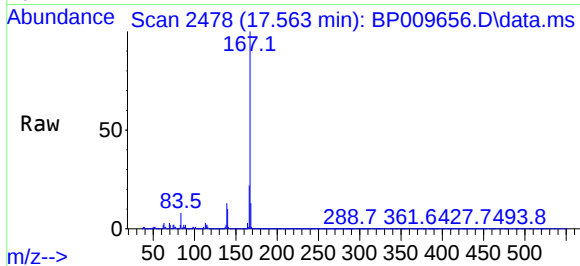




#73  
Carbazole  
Concen: 47.224 ng  
RT: 17.563 min Scan# 24  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

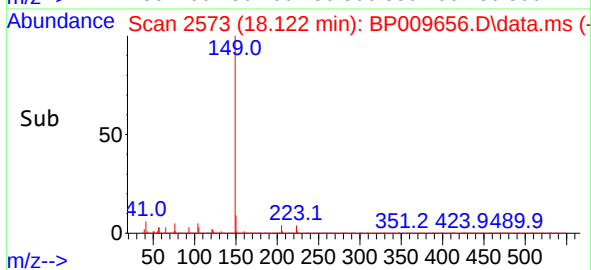
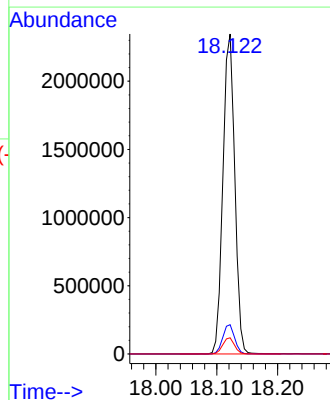
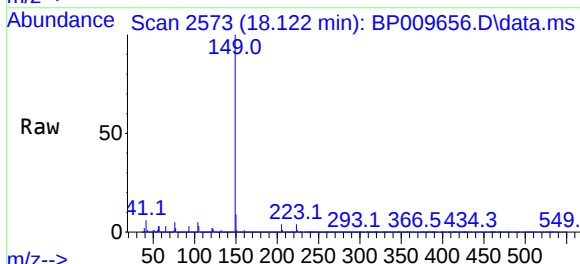
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

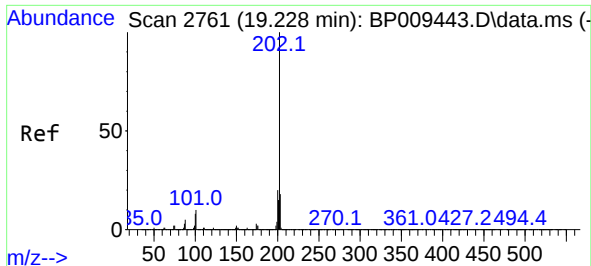
Tgt Ion:167 Resp: 2562379  
Ion Ratio Lower Upper  
167 100  
166 21.6 17.2 25.8  
139 12.6 10.3 15.5



#74  
Di-n-butylphthalate  
Concen: 49.739 ng  
RT: 18.122 min Scan# 2573  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:149 Resp: 3162577  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.3 10.9  
104 5.0 4.2 6.2

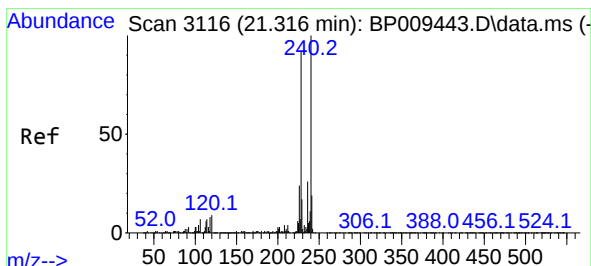
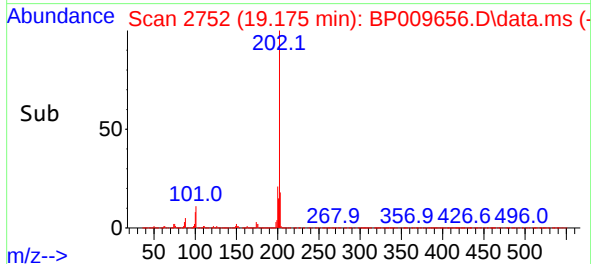
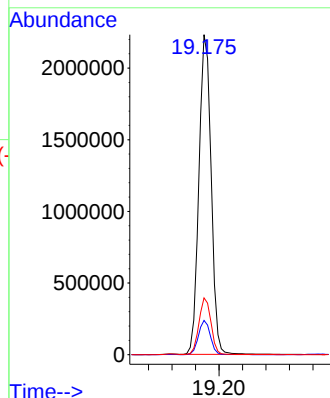
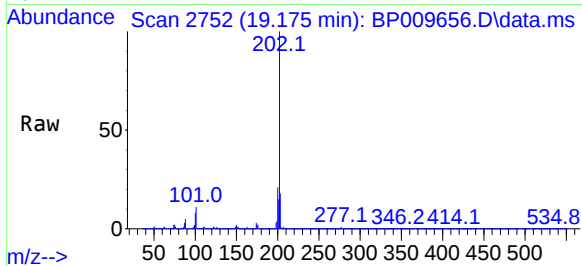




#75  
Fluoranthene  
Concen: 47.296 ng  
RT: 19.175 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

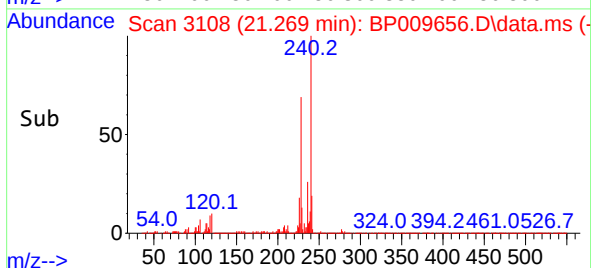
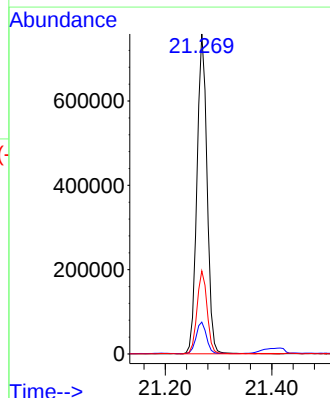
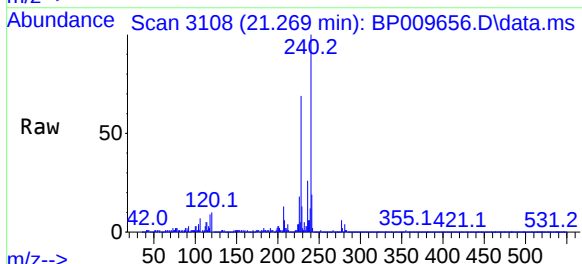
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

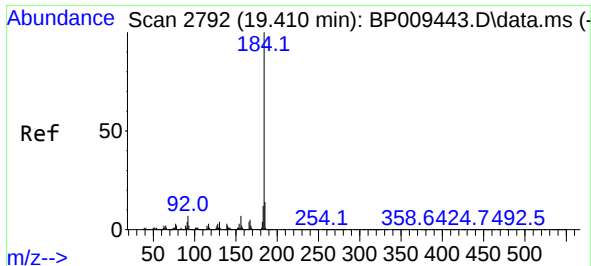
Tgt Ion:202 Resp: 3217609  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 31.5  
203 17.7 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.269 min Scan# 3108  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:240 Resp: 994802  
Ion Ratio Lower Upper  
240 100  
120 10.0 9.0 13.4  
236 26.0 20.6 30.8

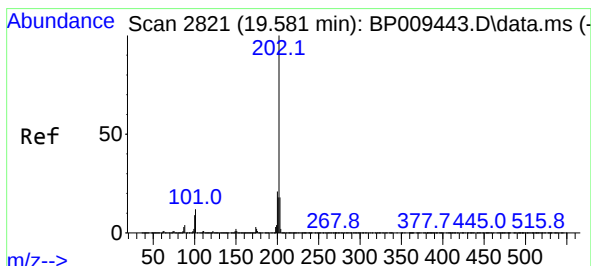
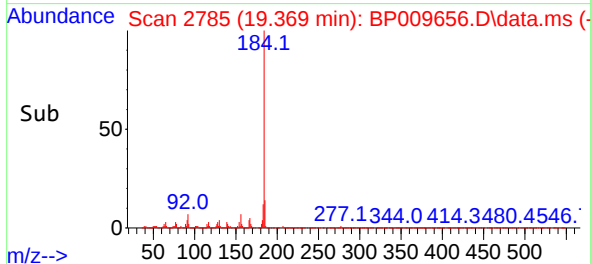
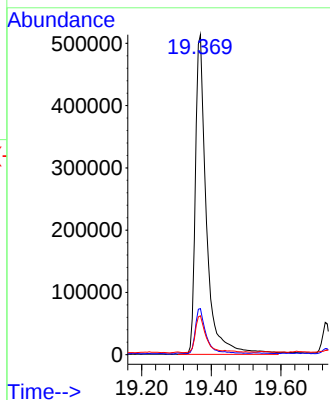
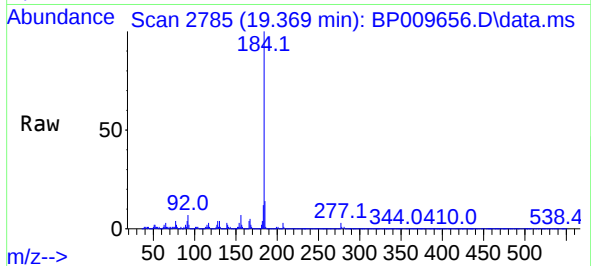




#77  
Benzidine  
Concen: 46.403 ng  
RT: 19.369 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

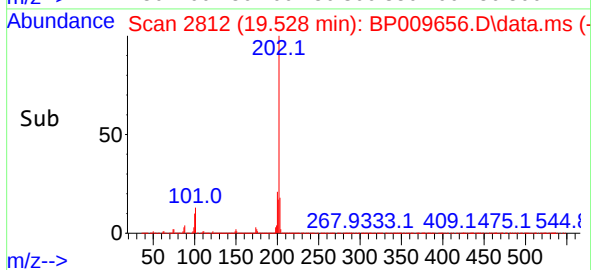
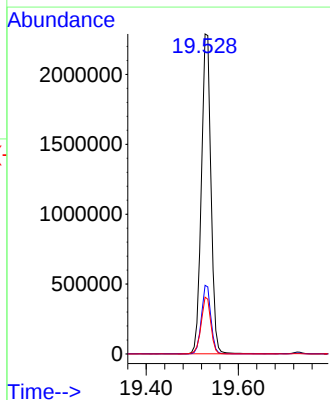
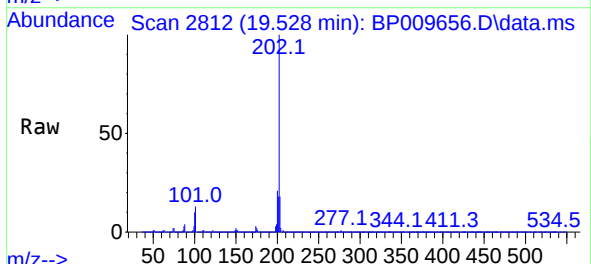
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

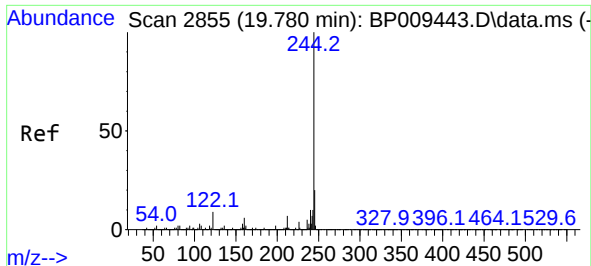
Tgt Ion:184 Resp: 1131478  
Ion Ratio Lower Upper  
184 100  
185 14.4 11.5 17.3  
183 12.1 9.4 14.0



#78  
Pyrene  
Concen: 50.601 ng  
RT: 19.528 min Scan# 2812  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:202 Resp: 3317038  
Ion Ratio Lower Upper  
202 100  
200 21.4 16.8 25.2  
203 17.7 14.2 21.4

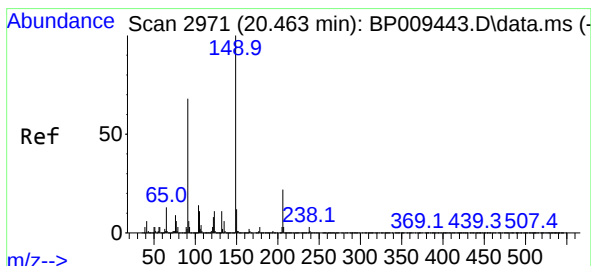
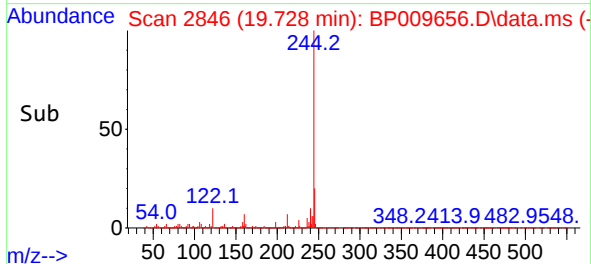
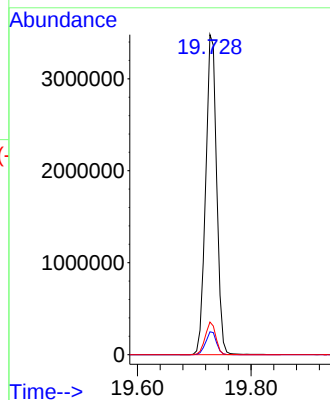
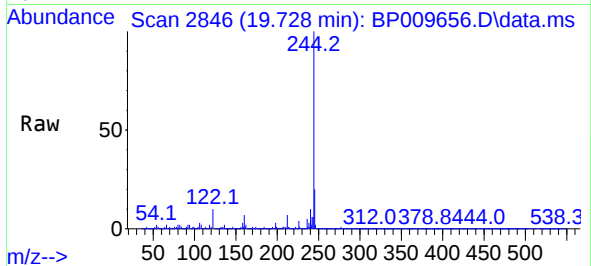




#79  
 Terphenyl-d14  
 Concen: 83.593 ng  
 RT: 19.728 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BP009656.D  
 Acq: 01 Apr 2022 14:00

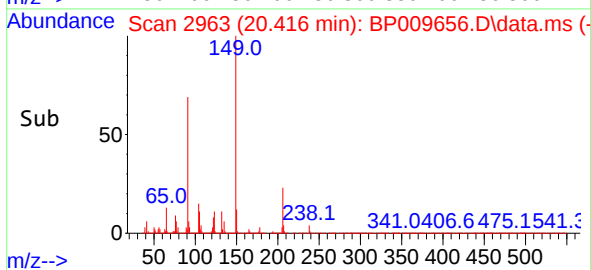
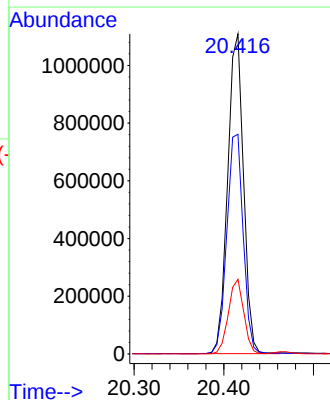
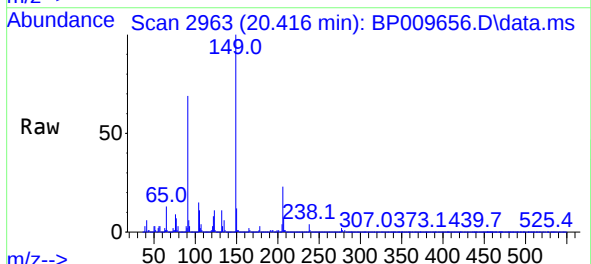
Instrument :  
 BNA\_P  
 ClientSampleId :  
 MHFMSD

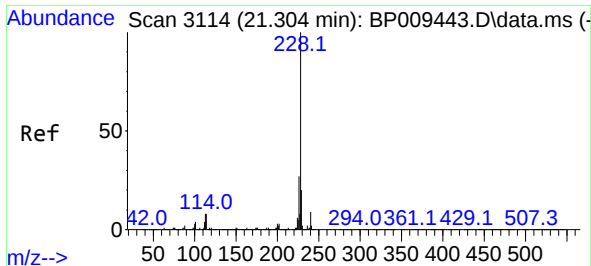
Tgt Ion:244 Resp: 4633045  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.8 8.6  
 122 10.2 8.3 12.5



#80  
 Butylbenzylphthalate  
 Concen: 48.779 ng  
 RT: 20.416 min Scan# 2963  
 Delta R.T. -0.006 min  
 Lab File: BP009656.D  
 Acq: 01 Apr 2022 14:00

Tgt Ion:149 Resp: 1359107  
 Ion Ratio Lower Upper  
 149 100  
 91 68.7 57.9 86.9  
 206 23.3 16.9 25.3

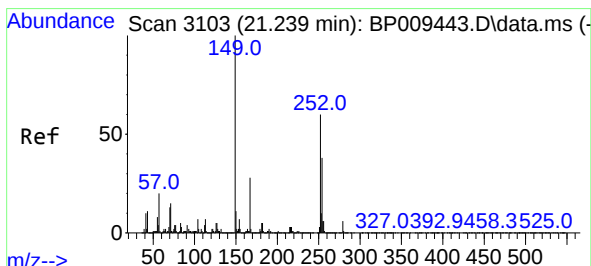
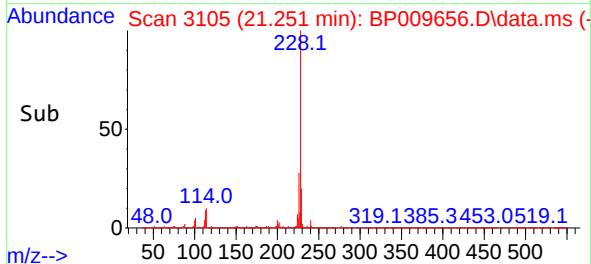
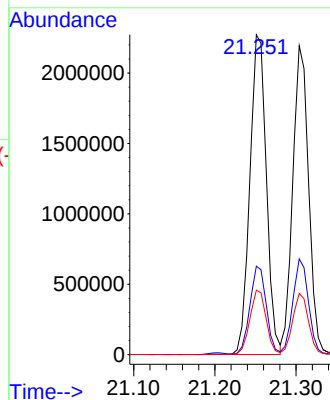
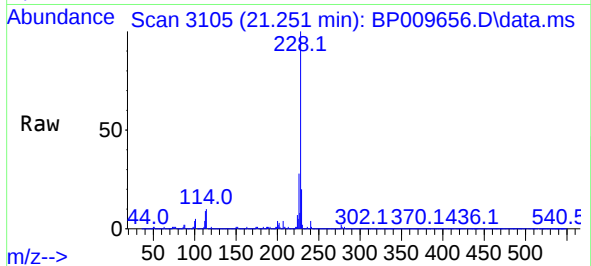




#81  
Benzo(a)anthracene  
Concen: 49.258 ng  
RT: 21.251 min Scan# 3114  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

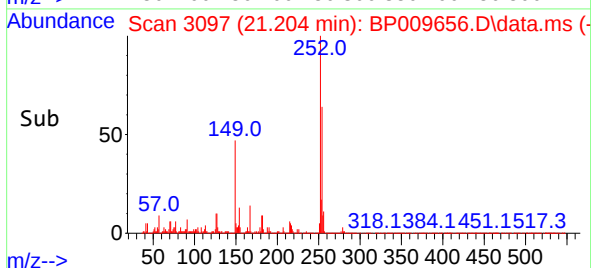
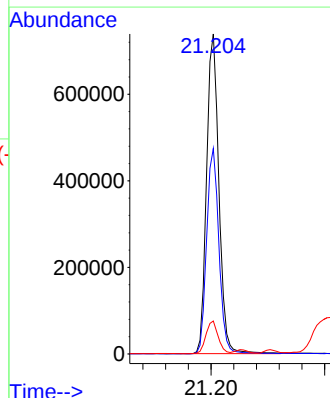
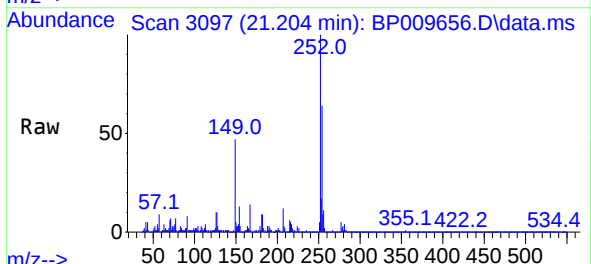
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

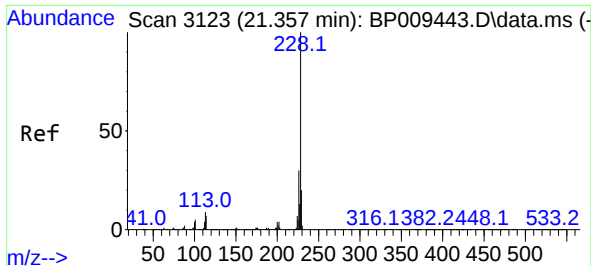
Tgt Ion:228 Resp: 3219418  
Ion Ratio Lower Upper  
228 100  
226 27.7 22.0 33.0  
229 20.1 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 43.824 ng  
RT: 21.204 min Scan# 3097  
Delta R.T. 0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:252 Resp: 1106490  
Ion Ratio Lower Upper  
252 100  
254 64.2 50.7 76.1  
126 10.3 8.9 13.3

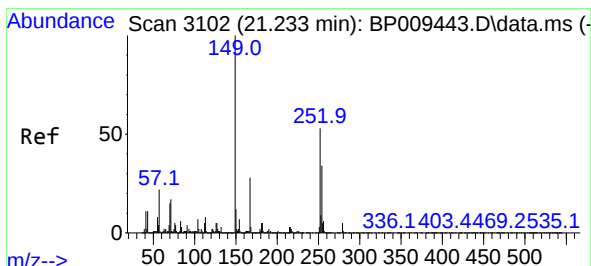
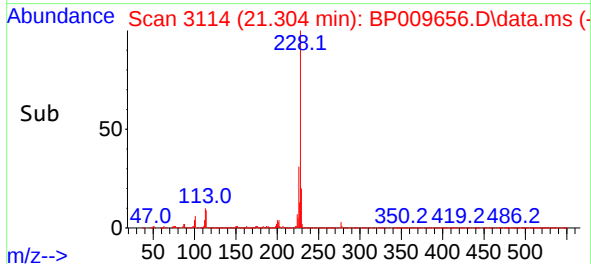
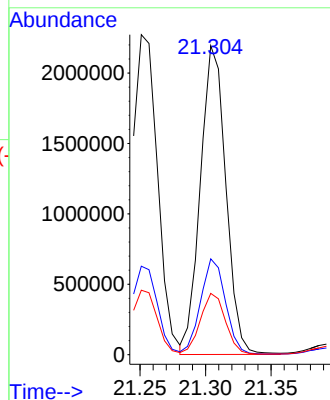
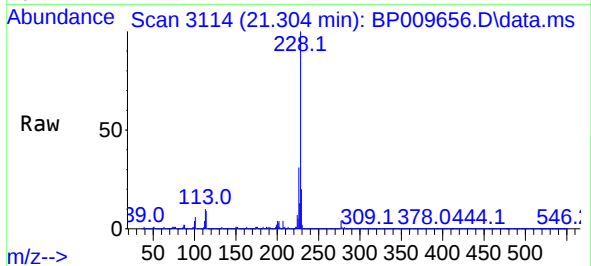




#83  
Chrysene  
Concen: 48.080 ng  
RT: 21.304 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

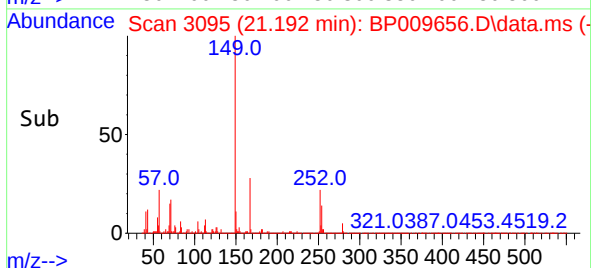
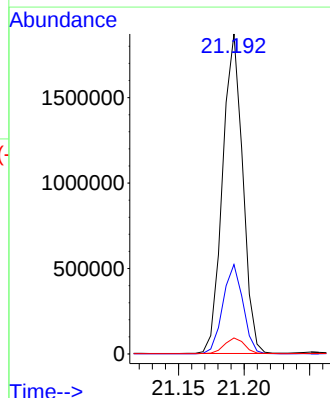
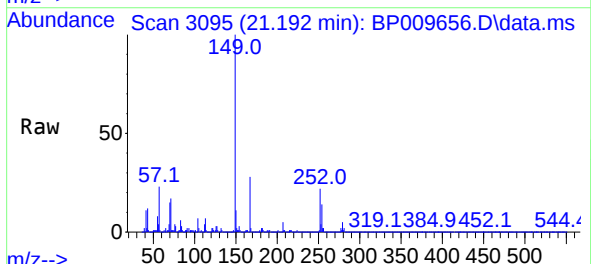
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

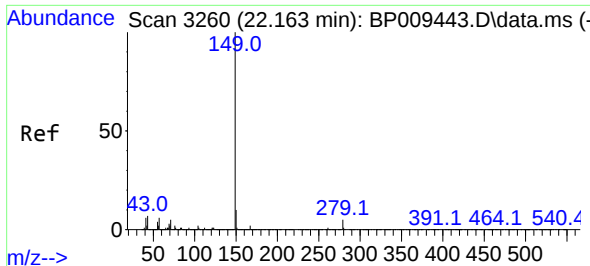
Tgt Ion:228 Resp: 2975597  
Ion Ratio Lower Upper  
228 100  
226 31.0 24.2 36.2  
229 19.8 16.1 24.1



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 51.345 ng  
RT: 21.192 min Scan# 3095  
Delta R.T. 0.000 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:149 Resp: 1994086  
Ion Ratio Lower Upper  
149 100  
167 27.9 22.6 33.8  
279 5.0 3.8 5.6

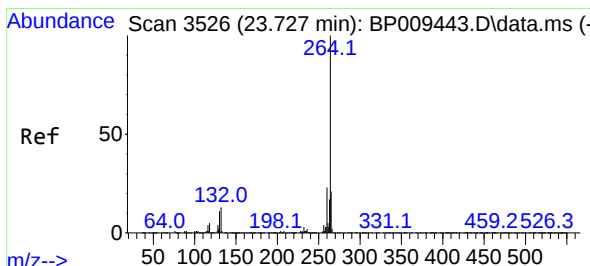
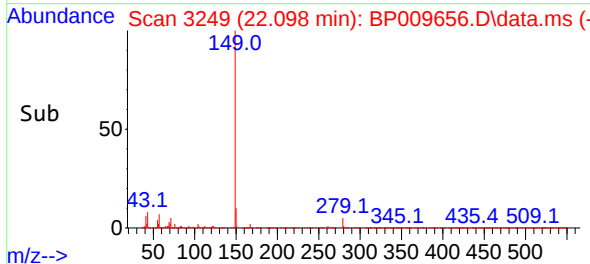
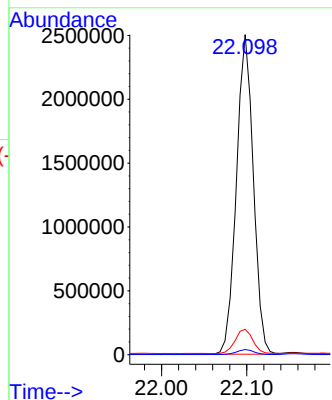
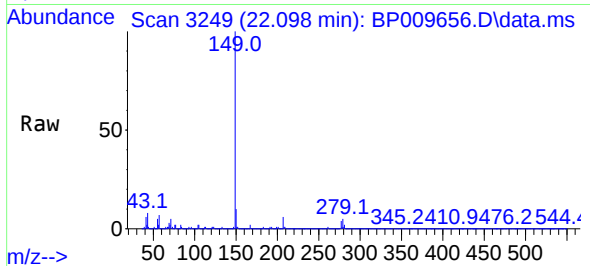




#85  
Di-n-octyl phthalate  
Concen: 51.635 ng  
RT: 22.098 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

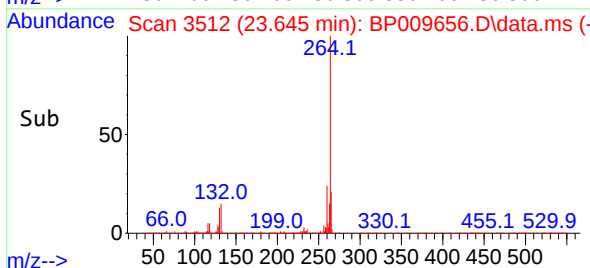
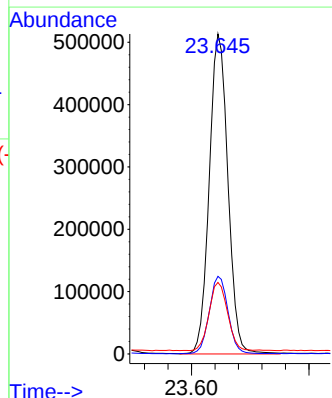
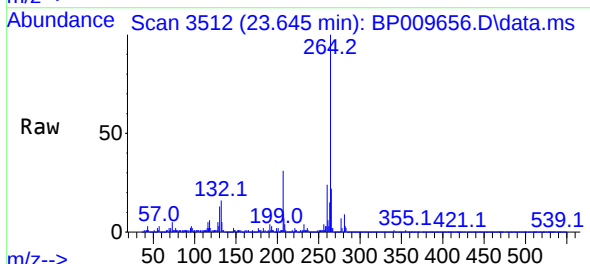
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

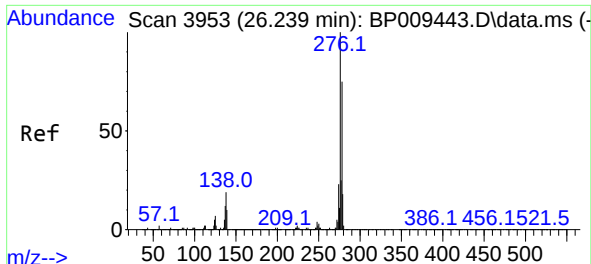
Tgt Ion:149 Resp: 3456483  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 7.9 6.9 10.3



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.645 min Scan# 3512  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:264 Resp: 1133274  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.4 29.0  
265 22.4 17.2 25.8

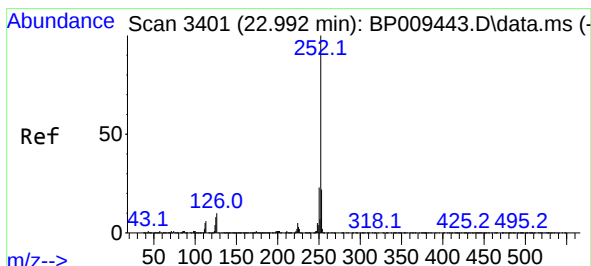
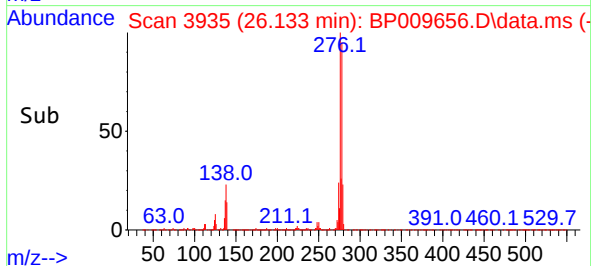
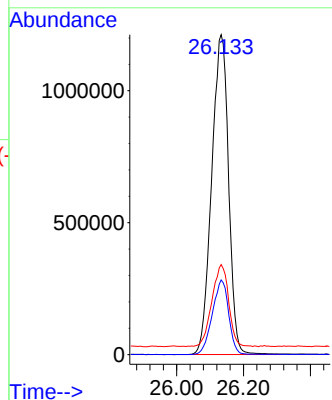
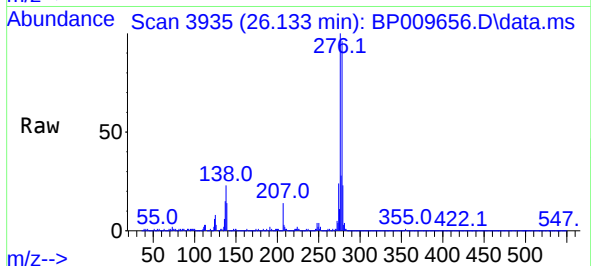




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 49.410 ng  
RT: 26.133 min Scan# 3390  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

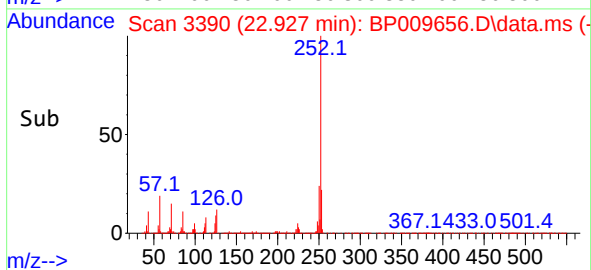
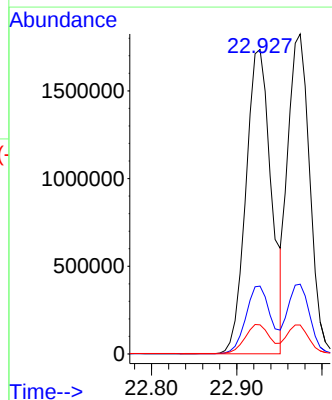
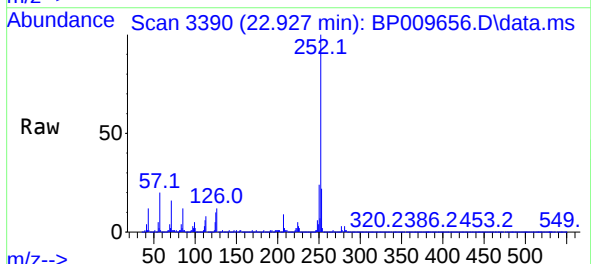
Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

Tgt Ion:276 Resp: 4248170  
Ion Ratio Lower Upper  
276 100  
138 22.4 20.5 30.7  
277 25.4 20.4 30.6



#88  
Benzo(b)fluoranthene  
Concen: 53.031 ng  
RT: 22.927 min Scan# 3390  
Delta R.T. 0.000 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:252 Resp: 3587703  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.8 26.8  
125 9.6 8.1 12.1

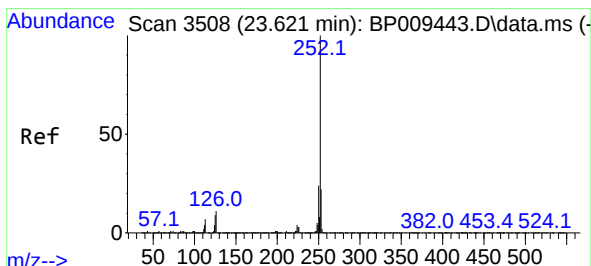
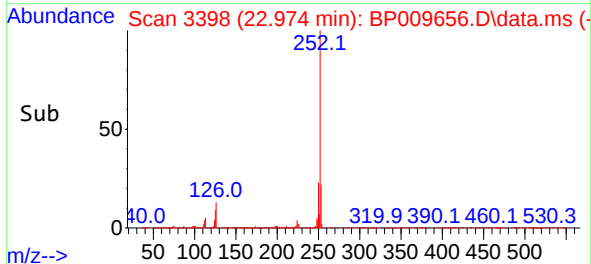
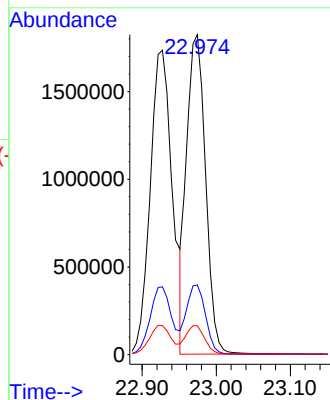
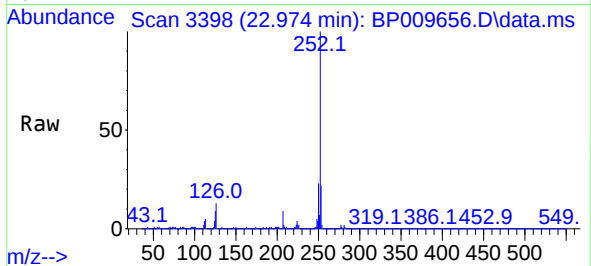




#89  
Benzo(k)fluoranthene  
Concen: 48.831 ng  
RT: 22.974 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

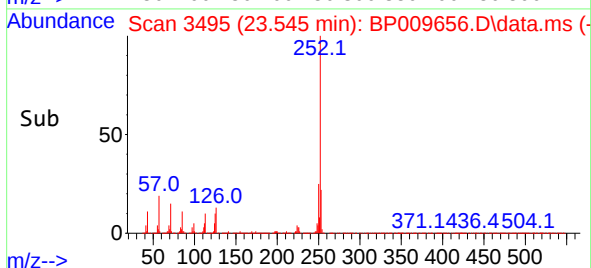
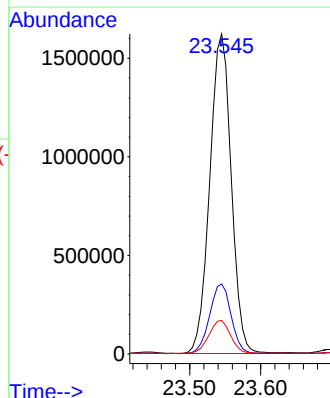
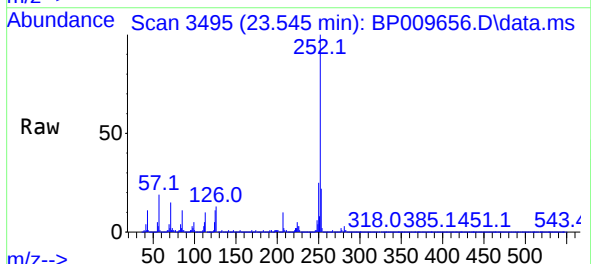
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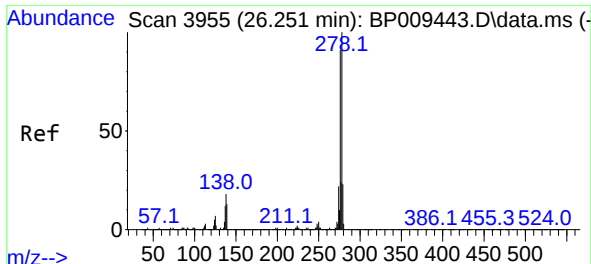
Tgt Ion:252 Resp: 3234519  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.5 26.3  
125 9.0 8.3 12.5



#90  
Benzo(a)pyrene  
Concen: 58.683 ng  
RT: 23.545 min Scan# 3495  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:252 Resp: 3396759  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.8 26.6  
125 10.5 9.3 13.9

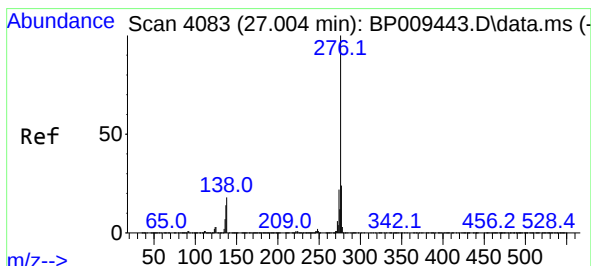
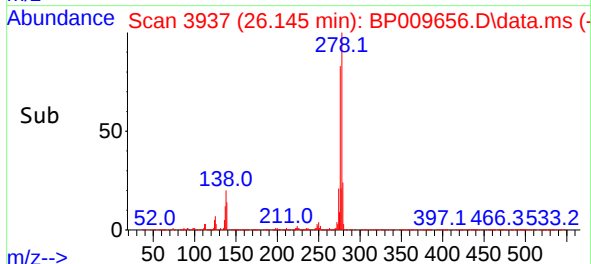
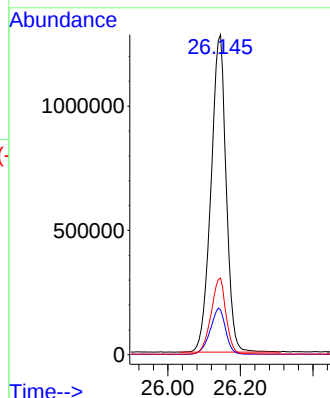
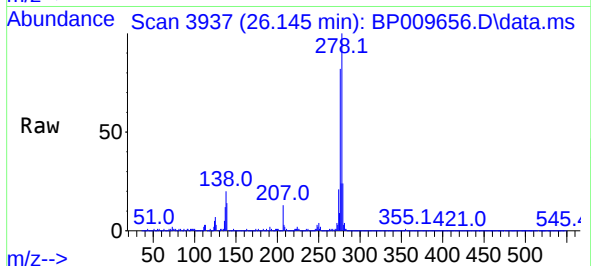




#91  
Dibenzo(a,h)anthracene  
Concen: 51.934 ng  
RT: 26.145 min Scan# 3955  
Delta R.T. -0.006 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Instrument :  
BNA\_P  
ClientSampleId :  
MHFMSD

Tgt Ion:278 Resp: 3721427  
Ion Ratio Lower Upper  
278 100  
139 14.1 13.2 19.8  
279 23.9 19.2 28.8



#92  
Benzo(g,h,i)perylene  
Concen: 52.929 ng  
RT: 26.886 min Scan# 4063  
Delta R.T. -0.012 min  
Lab File: BP009656.D  
Acq: 01 Apr 2022 14:00

Tgt Ion:276 Resp: 3731112  
Ion Ratio Lower Upper  
276 100  
277 26.3 19.2 28.8  
138 18.9 18.0 27.0

