

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP061224\  
 Data File : BP020603.D  
 Acq On : 12 Jun 2024 16:40  
 Operator : MA/JU  
 Sample : PB161451BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB161451BS

Quant Time: Jun 12 17:21:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP052924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 30 03:41:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.751  | 152  | 259316   | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8            | 10.516 | 136  | 910834   | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.374 | 164  | 531200   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 17.186 | 188  | 1100028  | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 21.639 | 240  | 1072704  | 20.000  | ng    | -0.03    |
| 86) Perylene-d12              | 24.992 | 264  | 1273728  | 20.000  | ng    | -0.03    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.375  | 112  | 1812150  | 125.120 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.934  | 99   | 2172366  | 106.358 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.904  | 82   | 1356476  | 81.523  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 15.892 | 330  | 854801   | 155.057 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 12.980 | 172  | 2894556  | 81.231  | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.927 | 244  | 4756888  | 73.822  | ng    | -0.02    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.322  | 88   | 209999   | 35.884  | ng    | 96       |
| 3) Pyridine                   | 3.716  | 79   | 504746   | 30.676  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.628  | 42   | 292263   | 36.570  | ng    | 90       |
| 6) Aniline                    | 7.087  | 93   | 449123   | 21.700  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.322  | 128  | 670388   | 41.291  | ng    | 97       |
| 9) Benzaldehyde               | 6.910  | 77   | 348144   | 26.572  | ng    | 96       |
| 10) Phenol                    | 6.957  | 94   | 788717   | 37.698  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.187  | 93   | 643244   | 37.281  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.640  | 146  | 773660   | 40.445  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.787  | 146  | 780605   | 40.150  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.098  | 146  | 744071   | 39.656  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.987  | 79   | 555131   | 36.795  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.263  | 45   | 864238   | 33.550  | ng    | 98       |
| 17) 2-Methylphenol            | 8.192  | 107  | 517858   | 36.475  | ng    | 97       |
| 18) Hexachloroethane          | 8.816  | 117  | 288110   | 40.583  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 8.551  | 70   | 460535   | 33.029  | ng    | 96       |
| 20) 3+4-Methylphenols         | 8.516  | 107  | 691930   | 35.831  | ng    | 99       |
| 22) Acetophenone              | 8.569  | 105  | 945612   | 41.825  | ng    | # 97     |
| 24) Nitrobenzene              | 8.945  | 77   | 689262   | 40.816  | ng    | 97       |
| 25) Isophorone                | 9.463  | 82   | 1214834  | 37.577  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.645  | 139  | 343397   | 51.137  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 9.698  | 122  | 416396   | 42.633  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.939  | 93   | 760531   | 38.274  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.169 | 162  | 573148   | 43.741  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.386 | 180  | 677948   | 43.582  | ng    | 98       |
| 31) Naphthalene               | 10.563 | 128  | 1912127  | 41.065  | ng    | 100      |
| 32) Benzoic acid              | 9.845  | 122  | 411015   | 44.824  | ng    | 100      |
| 33) 4-Chloroaniline           | 10.686 | 127  | 338603   | 18.798  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.839 | 225  | 426867   | 43.563  | ng    | 97       |
| 35) Caprolactam               | 11.481 | 113  | 182140   | 37.931  | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 11.804 | 107  | 598710   | 39.025  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.181 | 142  | 1271302  | 38.103  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.392 | 142  | 1186093  | 35.861  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.545 | 216  | 715325   | 46.542  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.522 | 237  | 724128   | 134.060 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.786 | 196  | 460638   | 49.583  | ng    | 99       |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 30 03:41:03 2024  
 Response via : Initial Calibration

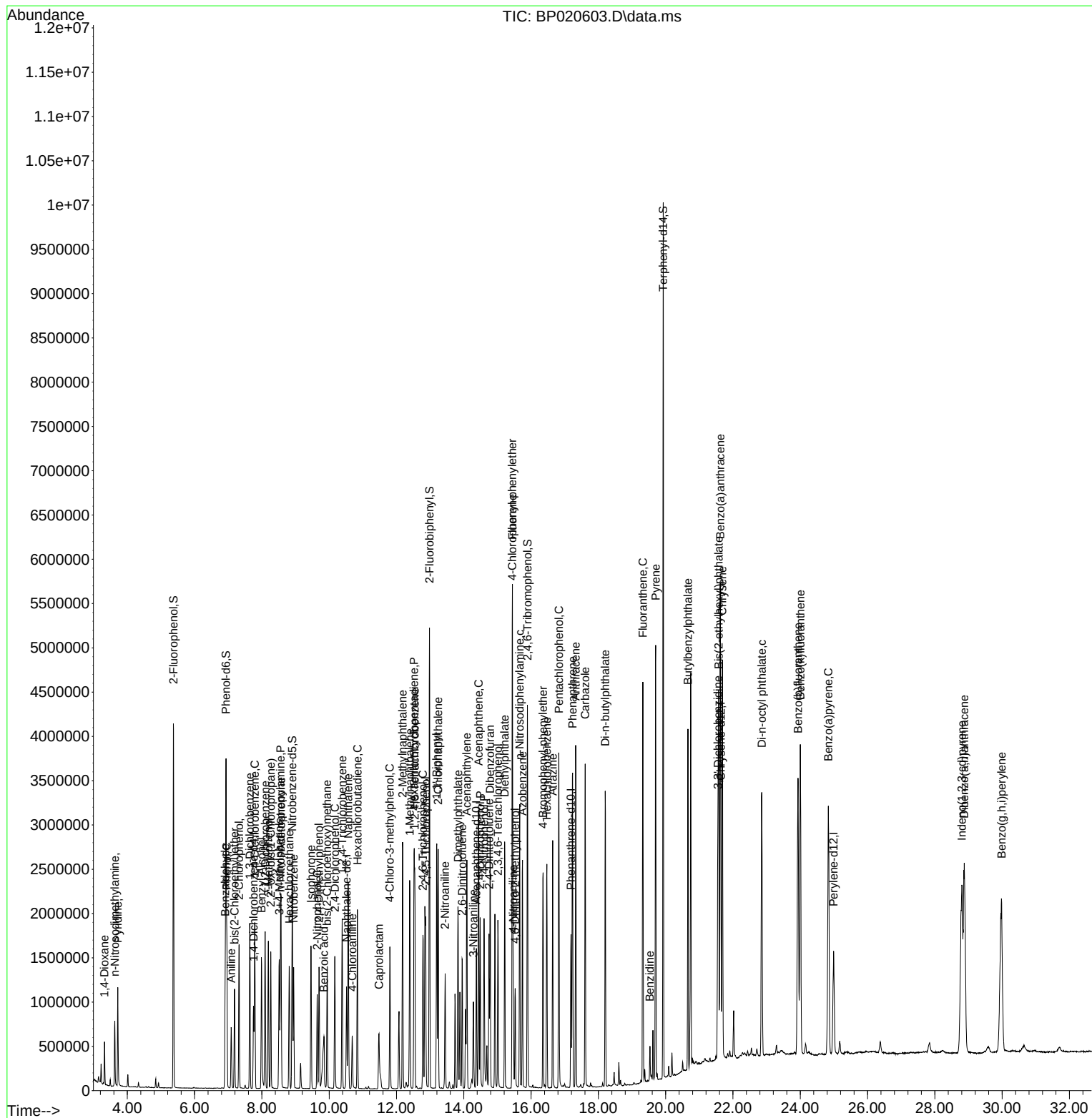
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.869 | 196  | 496044   | 46.281  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.198 | 154  | 1625434  | 43.358  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.239 | 162  | 1256485  | 42.161  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.445 | 65   | 376464   | 46.618  | ng    | 100      |
| 49) Acenaphthylene            | 14.092 | 152  | 2017995  | 45.634  | ng    | 99       |
| 50) Dimethylphthalate         | 13.827 | 163  | 1549264  | 41.376  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.957 | 165  | 345131   | 43.123  | ng    | 93       |
| 52) Acenaphthene              | 14.439 | 154  | 1138782  | 40.824  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.286 | 138  | 277185   | 34.527  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.492 | 184  | 415607   | 104.300 | ng    | 91       |
| 55) Dibenzofuran              | 14.786 | 168  | 1845602  | 41.767  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.604 | 139  | 626967   | 100.960 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 14.751 | 165  | 483621   | 45.980  | ng    | 93       |
| 58) Fluorene                  | 15.445 | 166  | 1456332  | 41.054  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232  | 433705   | 49.447  | ng    | 97       |
| 60) Diethylphthalate          | 15.216 | 149  | 1547236  | 40.649  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.439 | 204  | 757253   | 41.367  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.469 | 138  | 347590   | 42.032  | ng    | 95       |
| 63) Azobenzene                | 15.745 | 77   | 1401551  | 39.434  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.527 | 198  | 288250   | 57.334  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.663 | 169  | 1316487  | 43.530  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.357 | 248  | 503220   | 44.715  | ng    | 96       |
| 68) Hexachlorobenzene         | 16.469 | 284  | 581944   | 43.937  | ng    | 98       |
| 69) Atrazine                  | 16.645 | 200  | 491357   | 46.180  | ng    | 99       |
| 70) Pentachlorophenol         | 16.827 | 266  | 777870   | 96.699  | ng    | 98       |
| 71) Phenanthrene              | 17.233 | 178  | 2415023  | 44.661  | ng    | 99       |
| 72) Anthracene                | 17.327 | 178  | 2349184  | 44.273  | ng    | 100      |
| 73) Carbazole                 | 17.610 | 167  | 2241767  | 43.678  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.204 | 149  | 2766830  | 44.515  | ng    | 100      |
| 75) Fluoranthene              | 19.321 | 202  | 2888747  | 45.156  | ng    | 99       |
| 77) Benzidine                 | 19.533 | 184  | 251496   | 11.745  | ng    | 98       |
| 78) Pyrene                    | 19.704 | 202  | 3029185  | 37.542  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.662 | 149  | 1292556  | 40.195  | ng    | 94       |
| 81) Benzo(a)anthracene        | 21.621 | 228  | 3070002  | 43.465  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.551 | 252  | 898379   | 42.787  | ng    | 99       |
| 83) Chrysene                  | 21.686 | 228  | 2920909  | 43.887  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.574 | 149  | 1856405  | 40.426  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.856 | 149  | 3357041  | 50.297  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.803 | 276  | 4339692  | 56.029  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.933 | 252  | 3418281  | 43.078  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.003 | 252  | 3333238  | 43.069  | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.833 | 252  | 3225491  | 49.082  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.874 | 278  | 3639797  | 56.340  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.985 | 276  | 3456497  | 53.527  | ng    | 97       |

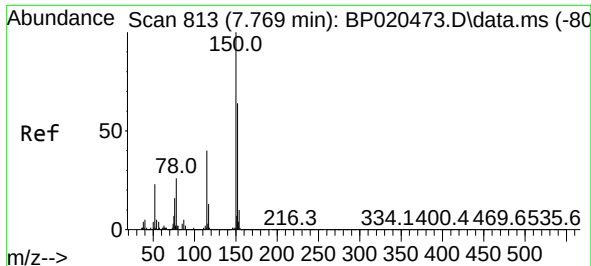
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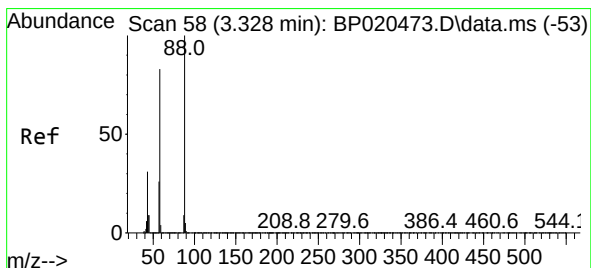
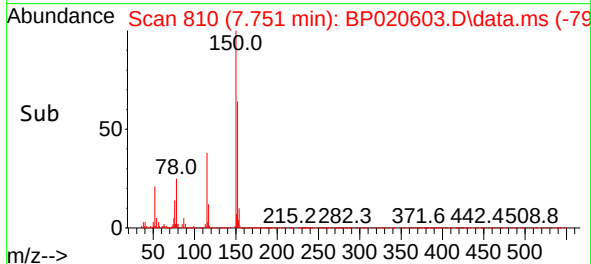
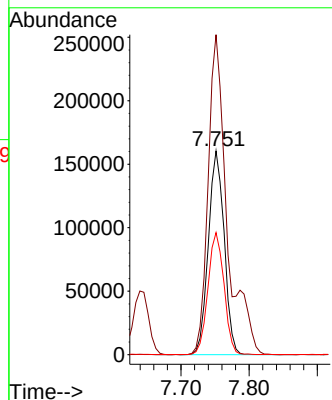
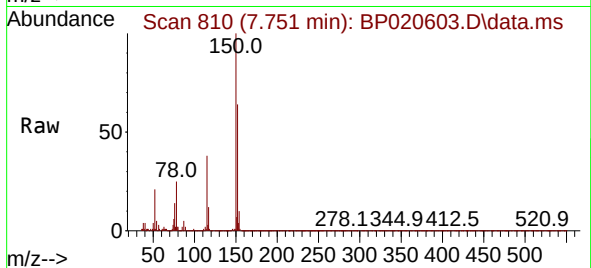




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.751 min Scan# 81  
 Delta R.T. -0.018 min  
 Lab File: BP020603.D  
 Acq: 12 Jun 2024 16:40

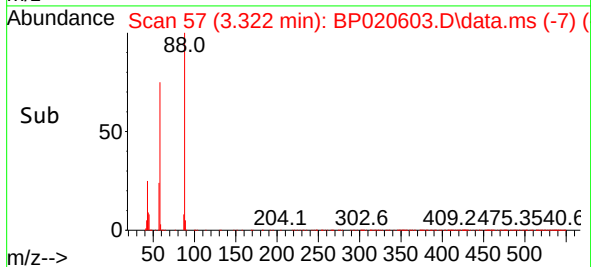
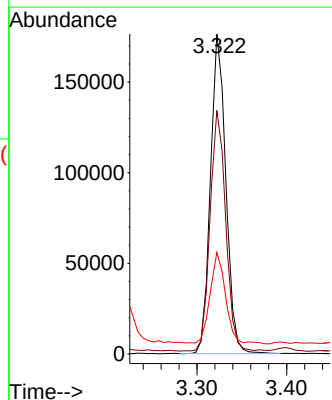
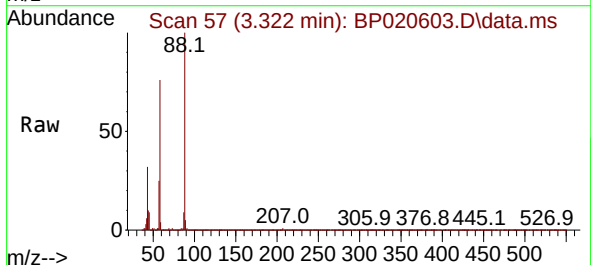
Instrument :  
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 PB161451BS

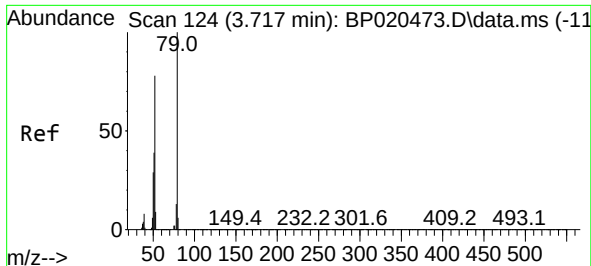
Tgt Ion:152 Resp: 259316  
 Ion Ratio Lower Upper  
 152 100  
 150 157.1 124.2 186.2  
 115 60.0 49.5 74.3



#2  
 1,4-Dioxane  
 Concen: 35.884 ng  
 RT: 3.322 min Scan# 57  
 Delta R.T. -0.006 min  
 Lab File: BP020603.D  
 Acq: 12 Jun 2024 16:40

Tgt Ion: 88 Resp: 209999  
 Ion Ratio Lower Upper  
 88 100  
 58 76.4 64.6 97.0  
 43 29.1 24.5 36.7

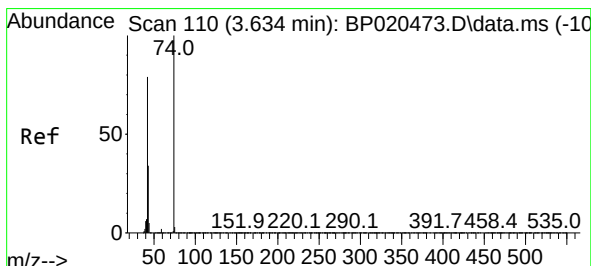
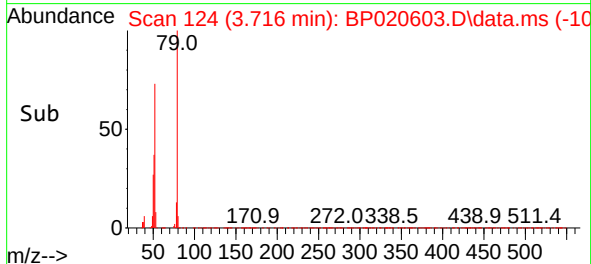
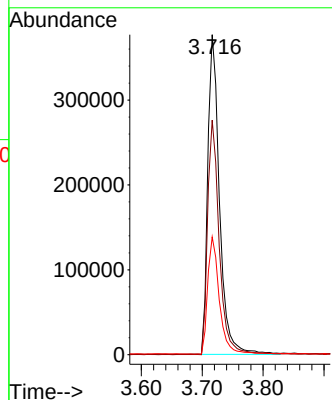
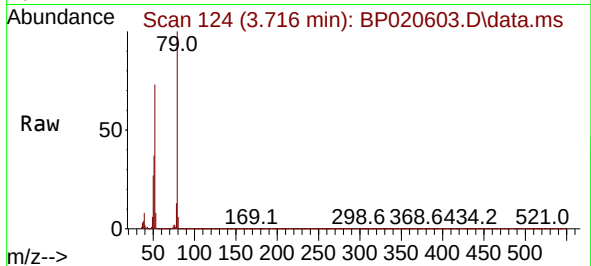




#3  
Pyridine  
Concen: 30.676 ng  
RT: 3.716 min Scan# 110  
Delta R.T. -0.000 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

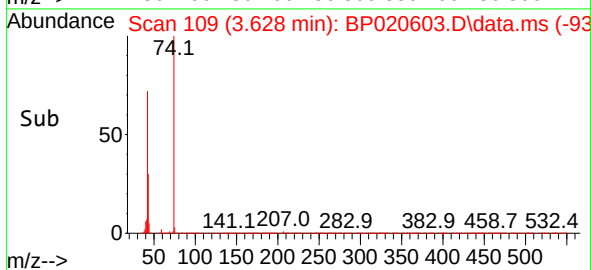
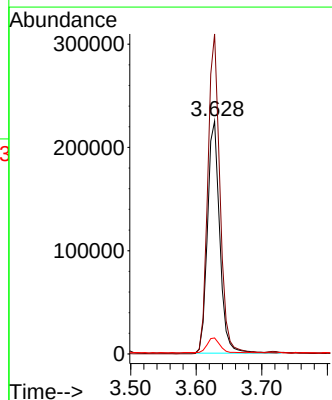
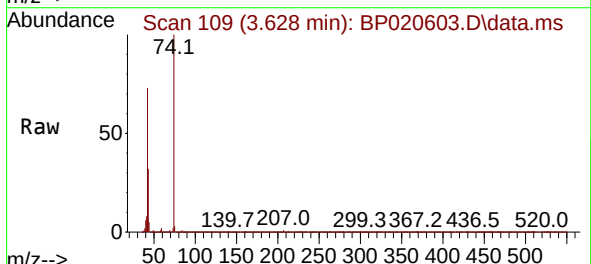
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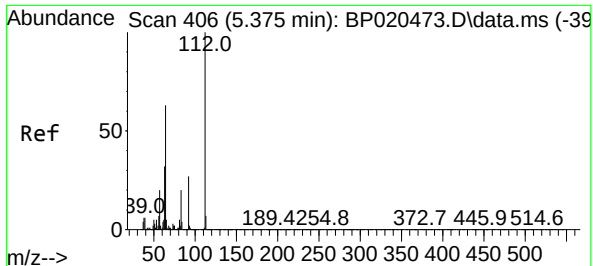
Tgt Ion: 79 Resp: 504746  
Ion Ratio Lower Upper  
79 100  
52 73.3 62.6 94.0  
51 36.8 31.0 46.4



#4  
n-Nitrosodimethylamine  
Concen: 36.570 ng  
RT: 3.628 min Scan# 109  
Delta R.T. -0.006 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion: 42 Resp: 292263  
Ion Ratio Lower Upper  
42 100  
74 137.5 100.6 151.0  
44 6.9 5.8 8.8

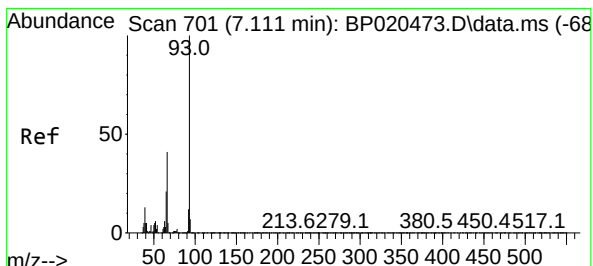
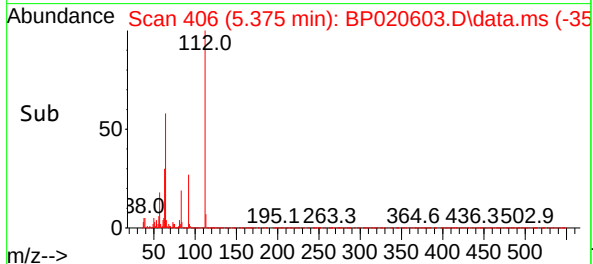
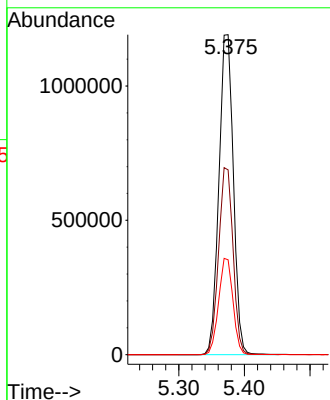
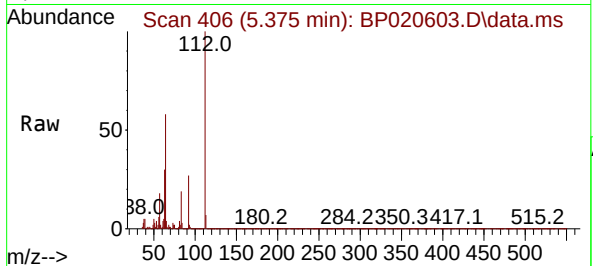




#5  
2-Fluorophenol  
Concen: 125.120 ng  
RT: 5.375 min Scan# 406  
Delta R.T. -0.000 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

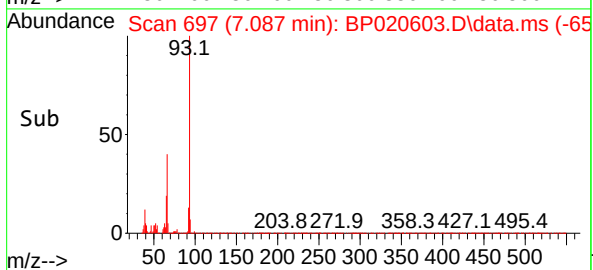
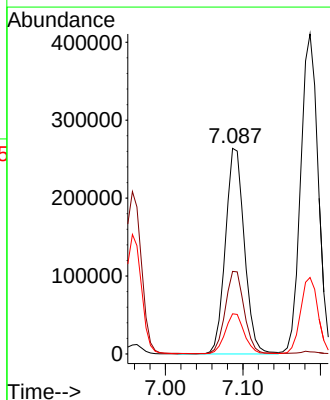
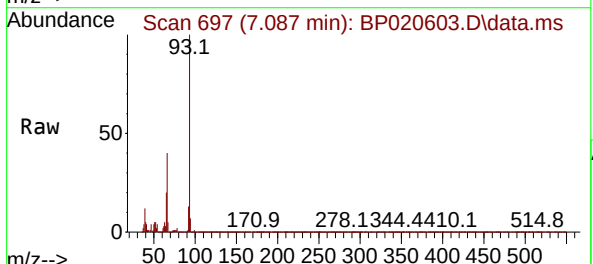
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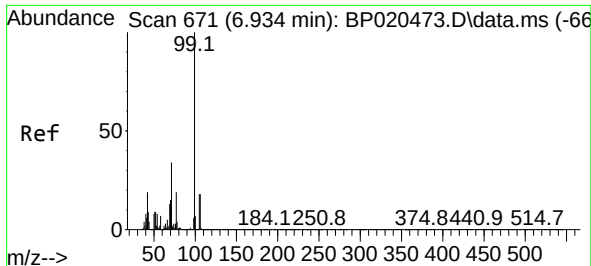
Tgt Ion:112 Resp: 1812150  
Ion Ratio Lower Upper  
112 100  
64 57.8 50.1 75.1  
63 29.6 25.7 38.5



#6  
Aniline  
Concen: 21.700 ng  
RT: 7.087 min Scan# 697  
Delta R.T. -0.024 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion: 93 Resp: 449123  
Ion Ratio Lower Upper  
93 100  
66 40.2 32.8 49.2  
65 19.5 16.9 25.3



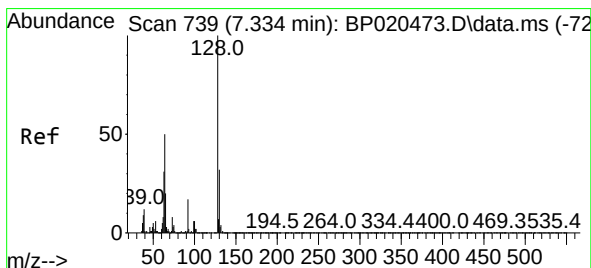
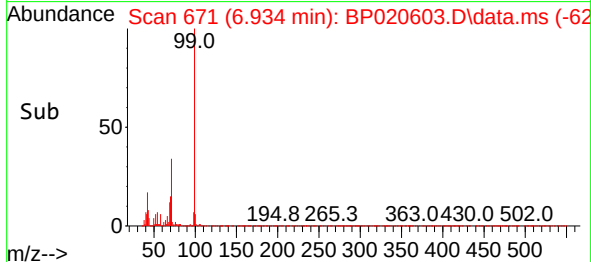
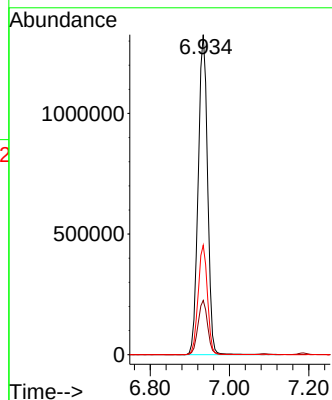
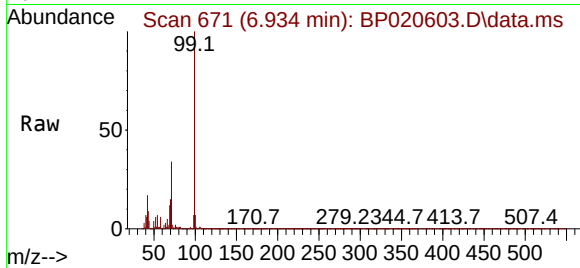


#7  
Phenol-d6  
Concen: 106.358 ng  
RT: 6.934 min Scan# 61  
Delta R.T. -0.000 min  
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Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

Tgt Ion: 99 Resp: 2172366

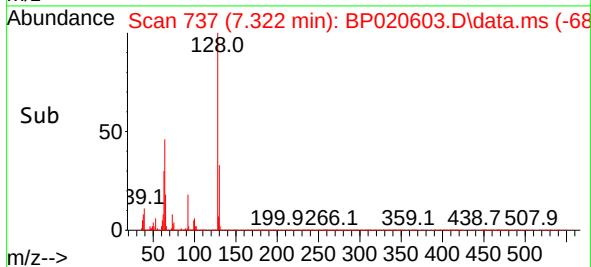
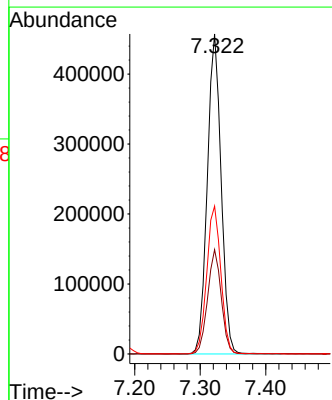
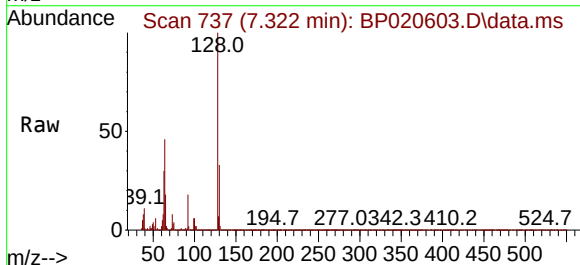
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.0  | 15.0  | 22.4  |
| 71  | 34.2  | 27.3  | 40.9  |

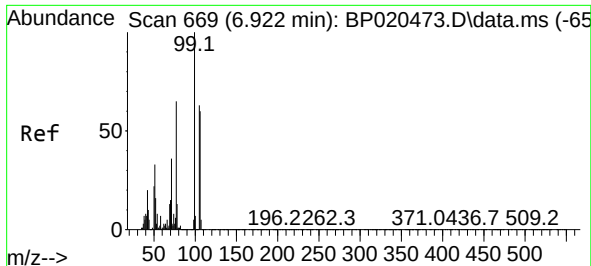


#8  
2-Chlorophenol  
Concen: 41.291 ng  
RT: 7.322 min Scan# 737  
Delta R.T. -0.012 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion: 128 Resp: 670388

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.6  | 12.4  | 52.4  |
| 64  | 46.2  | 29.6  | 69.6  |

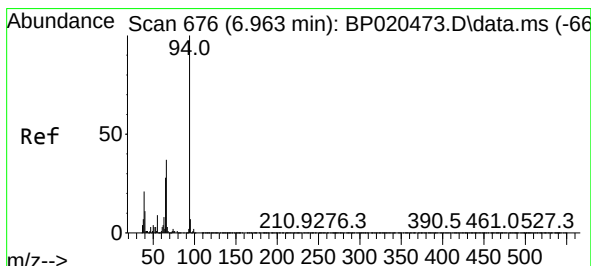
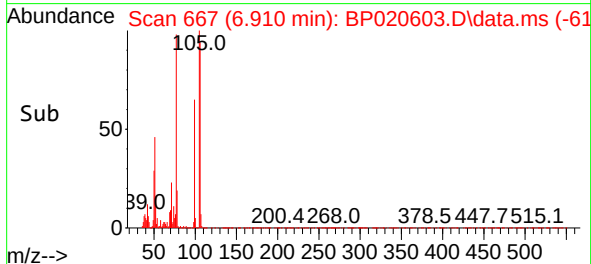
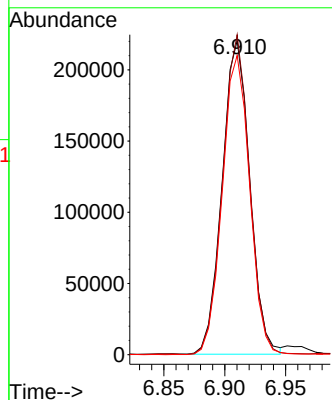
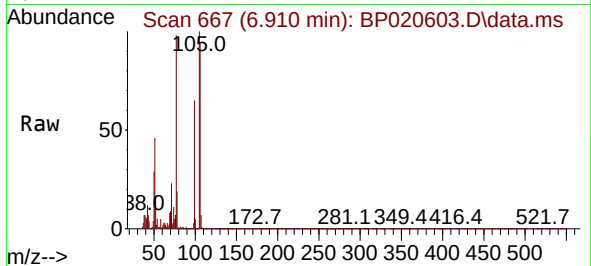




#9  
Benzaldehyde  
Concen: 26.572 ng  
RT: 6.910 min Scan# 610  
Delta R.T. -0.012 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

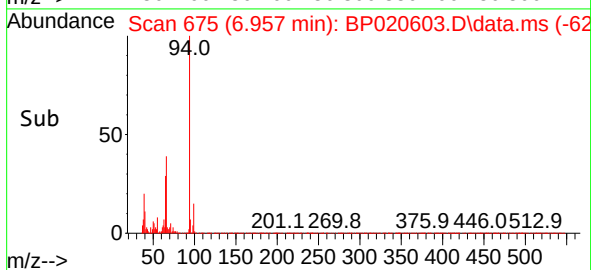
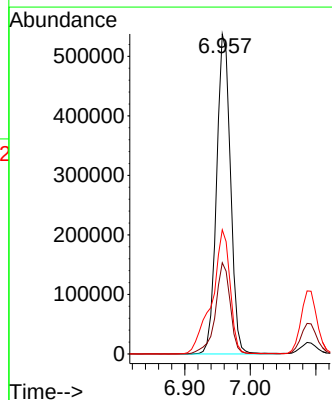
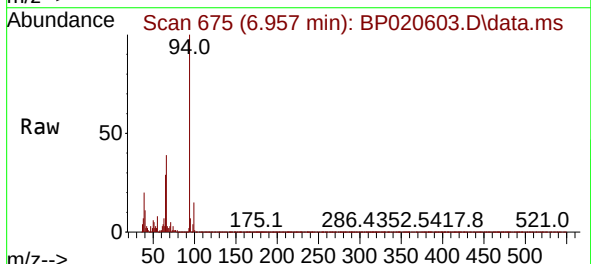
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

Tgt Ion: 77 Resp: 348144  
Ion Ratio Lower Upper  
77 100  
105 102.0 76.8 116.8  
106 95.4 72.0 112.0

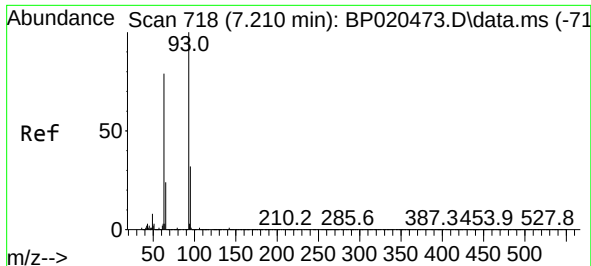


#10  
Phenol  
Concen: 37.698 ng  
RT: 6.957 min Scan# 675  
Delta R.T. -0.006 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion: 94 Resp: 788717  
Ion Ratio Lower Upper  
94 100  
65 28.5 8.2 48.2  
66 38.8 17.2 57.2



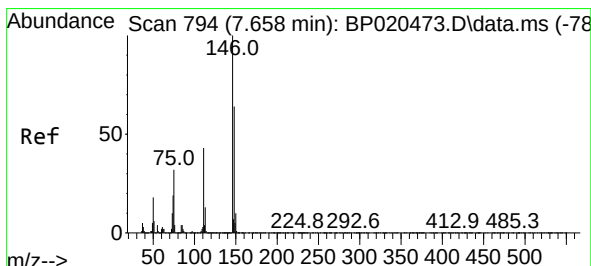
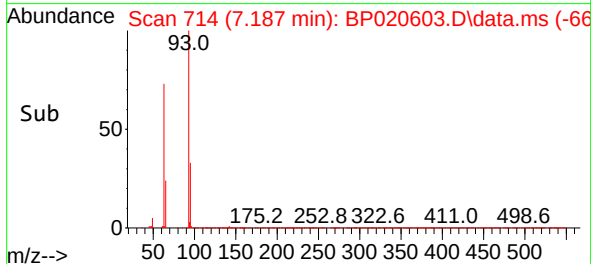
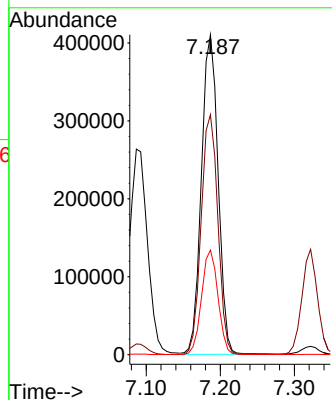
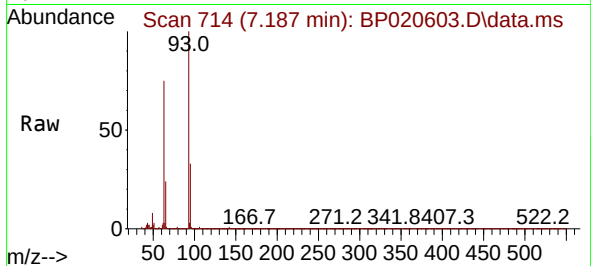




#11  
bis(2-Chloroethyl)ether  
Concen: 37.281 ng  
RT: 7.187 min Scan# 714  
Delta R.T. -0.024 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

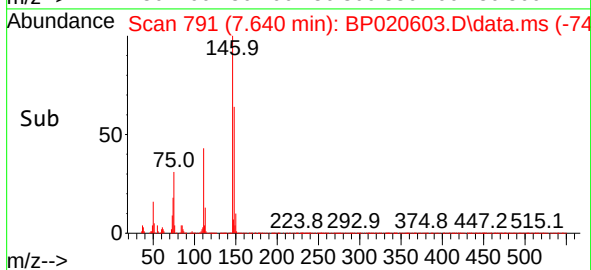
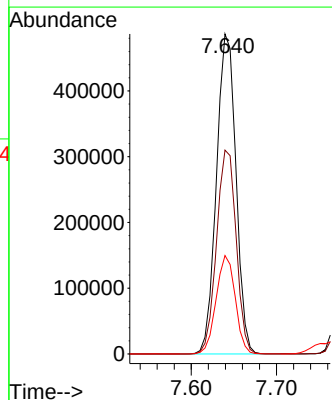
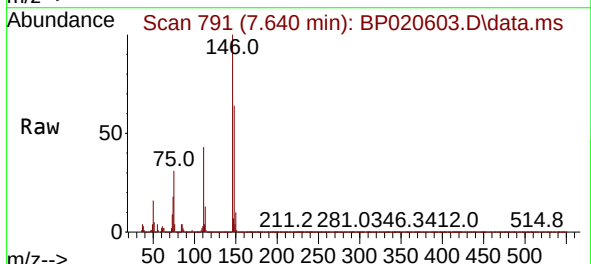
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

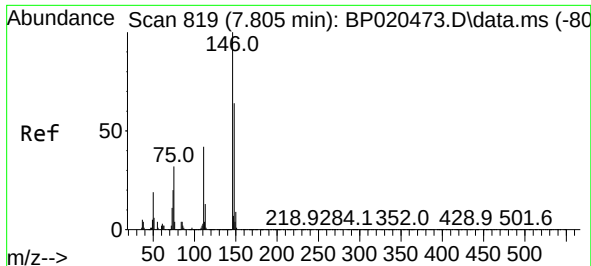
Tgt Ion: 93 Resp: 643244  
Ion Ratio Lower Upper  
93 100  
63 75.0 58.3 98.3  
95 32.7 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 40.445 ng  
RT: 7.640 min Scan# 791  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:146 Resp: 773660  
Ion Ratio Lower Upper  
146 100  
148 63.7 51.2 76.8  
75 30.7 25.3 37.9

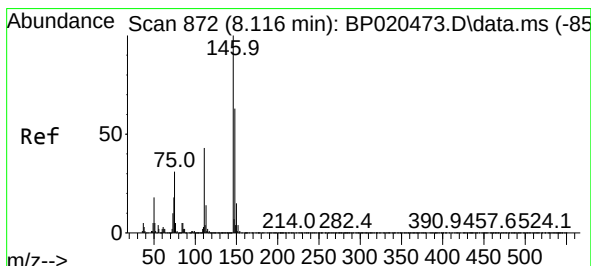
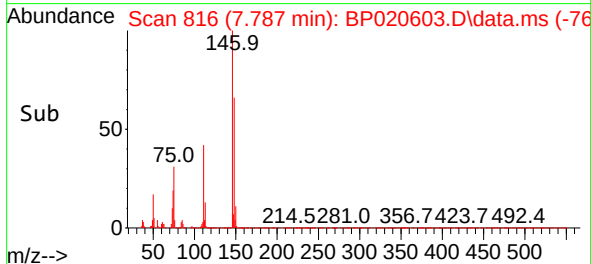
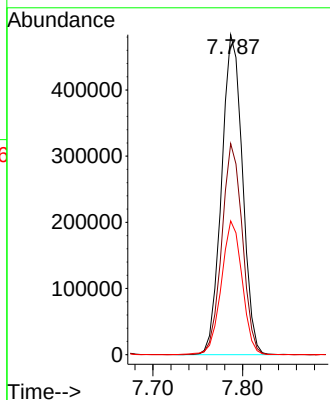
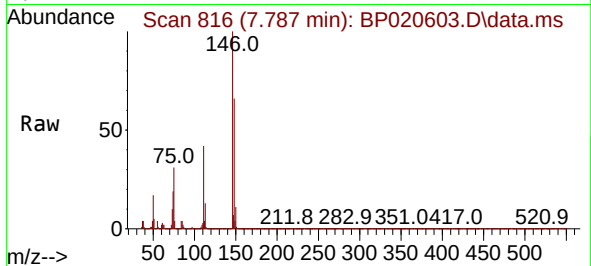




#13  
1,4-Dichlorobenzene  
Concen: 40.150 ng  
RT: 7.787 min Scan# 819  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

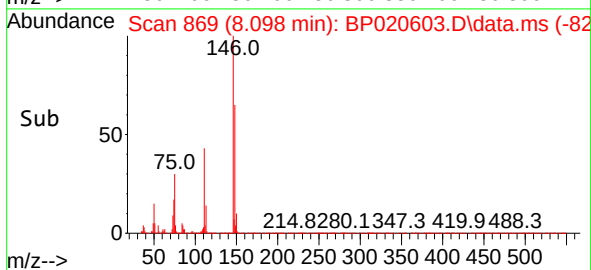
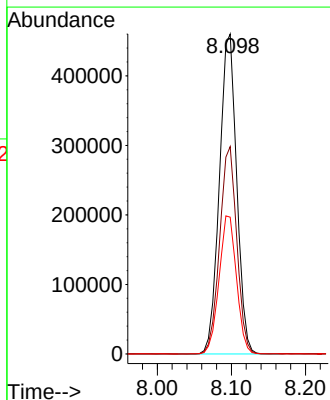
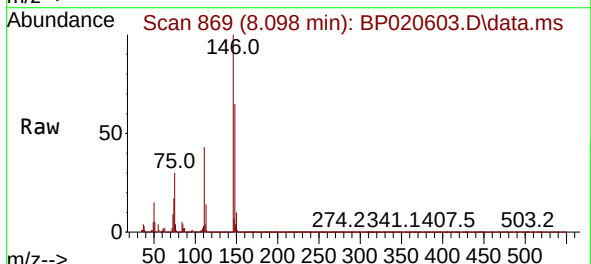
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

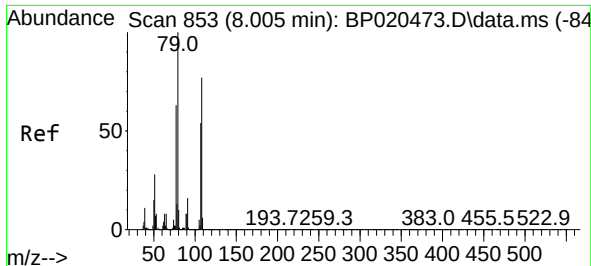
Tgt Ion:146 Resp: 780605  
Ion Ratio Lower Upper  
146 100  
148 65.9 50.8 76.2  
111 41.8 33.8 50.6



#14  
1,2-Dichlorobenzene  
Concen: 39.656 ng  
RT: 8.098 min Scan# 869  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:146 Resp: 744071  
Ion Ratio Lower Upper  
146 100  
148 64.8 50.1 75.1  
111 42.7 34.4 51.6

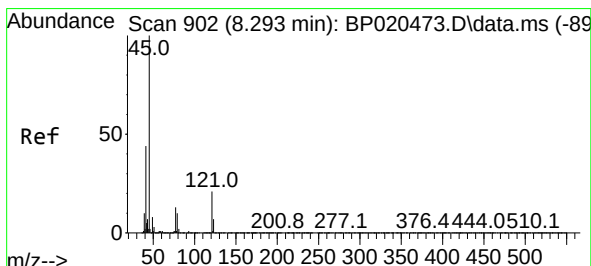
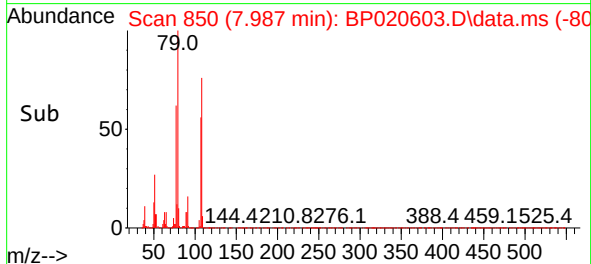
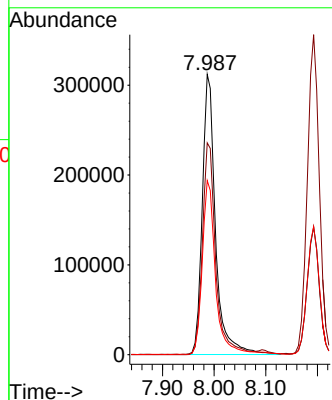
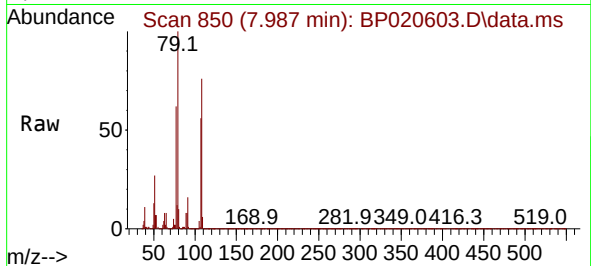




#15  
Benzyl Alcohol  
Concen: 36.795 ng  
RT: 7.987 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

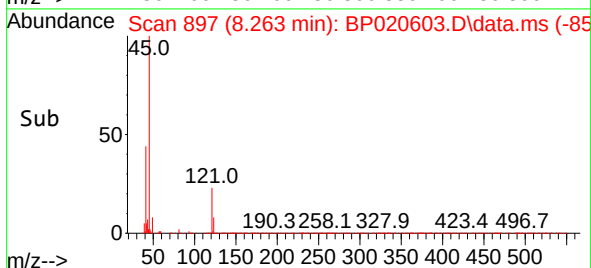
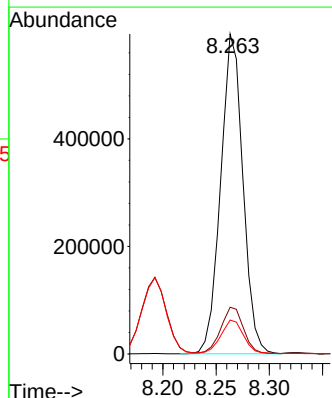
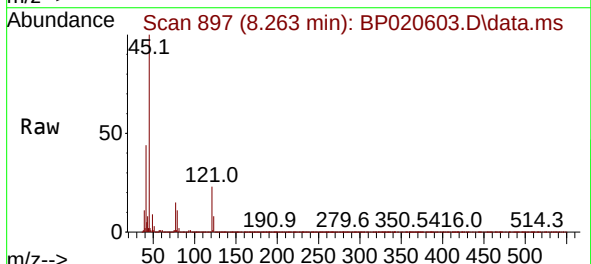
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

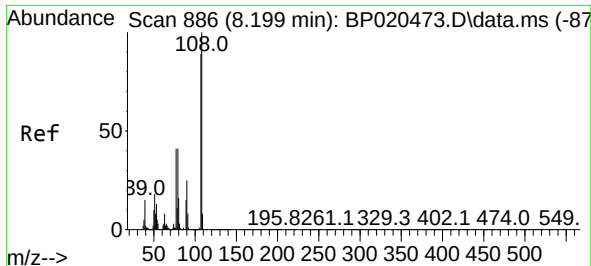
Tgt Ion: 79 Resp: 555131  
Ion Ratio Lower Upper  
79 100  
108 75.6 61.4 92.2  
77 62.1 50.2 75.2



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 33.550 ng  
RT: 8.263 min Scan# 897  
Delta R.T. -0.030 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion: 45 Resp: 864238  
Ion Ratio Lower Upper  
45 100  
77 14.6 0.0 33.6  
79 10.6 0.0 29.9

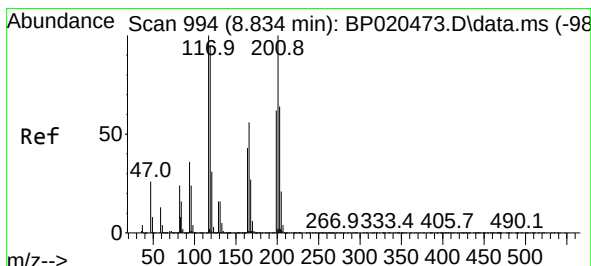
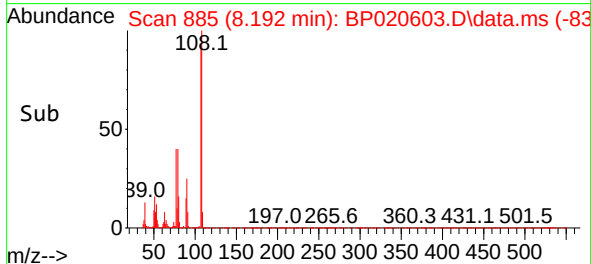
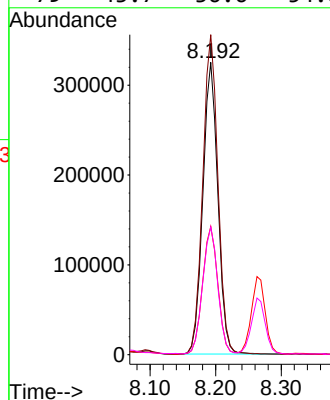
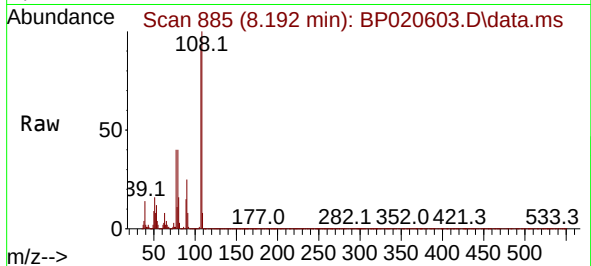




#17  
2-Methylphenol  
Concen: 36.475 ng  
RT: 8.192 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

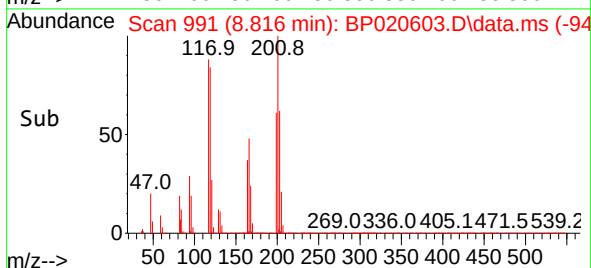
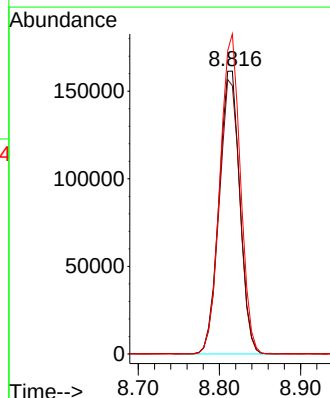
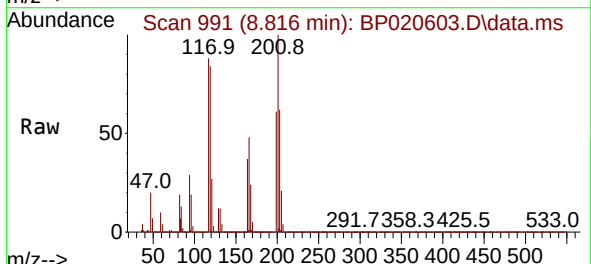
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

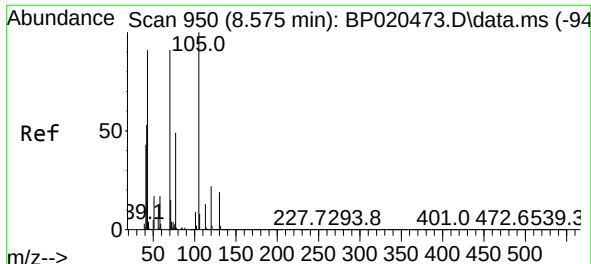
Tgt Ion:107 Resp: 517858  
Ion Ratio Lower Upper  
107 100  
108 109.5 89.4 134.2  
77 43.8 36.6 55.0  
79 43.7 36.6 54.8



#18  
Hexachloroethane  
Concen: 40.583 ng  
RT: 8.816 min Scan# 991  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:117 Resp: 288110  
Ion Ratio Lower Upper  
117 100  
119 94.8 76.3 114.5  
201 113.1 79.9 119.9



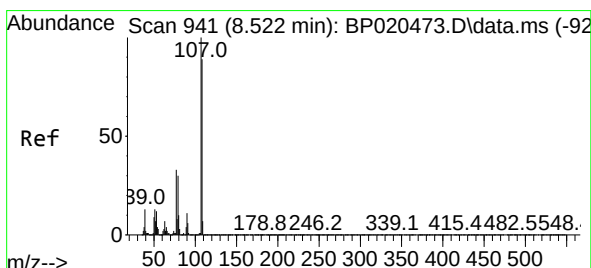
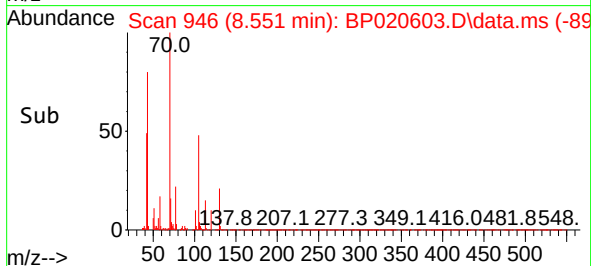
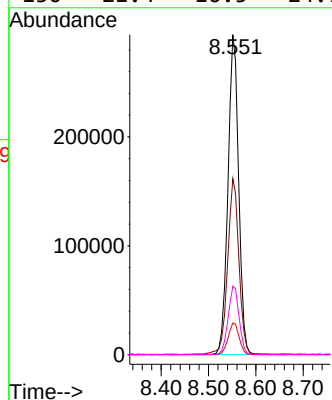
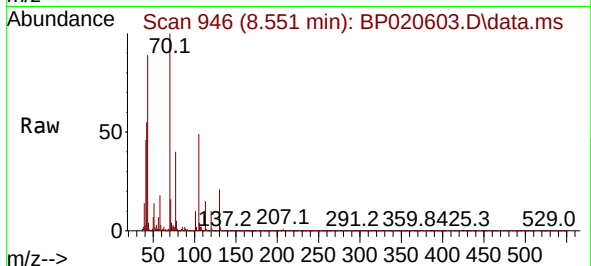


#19  
n-Nitroso-di-n-propylamine  
Concen: 33.029 ng  
RT: 8.551 min Scan# 94  
Delta R.T. -0.024 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

Tgt Ion: 70 Resp: 460535

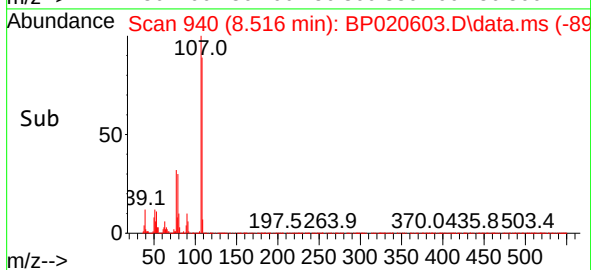
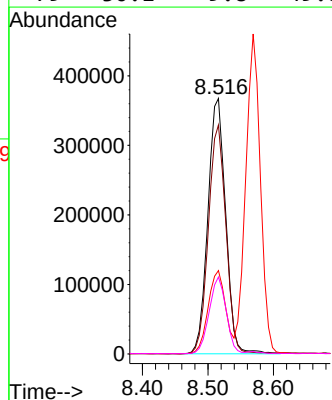
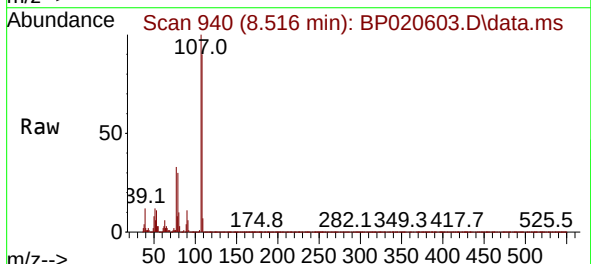
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 55.0  | 47.4  | 71.0  |
| 101 | 9.9   | 7.8   | 11.8  |
| 130 | 21.4  | 16.5  | 24.7  |

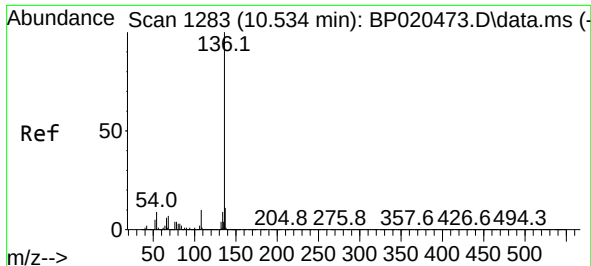


#20  
3+4-Methylphenols  
Concen: 35.831 ng  
RT: 8.516 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion: 107 Resp: 691930

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 89.6  | 69.2  | 109.2 |
| 77  | 32.6  | 13.5  | 53.5  |
| 79  | 30.1  | 9.8   | 49.8  |

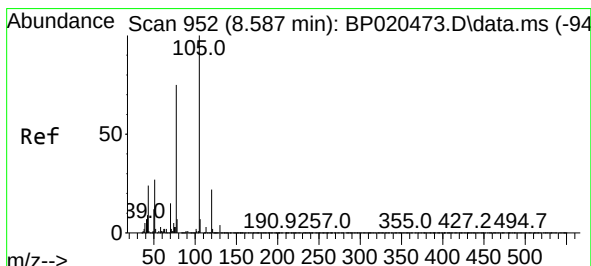
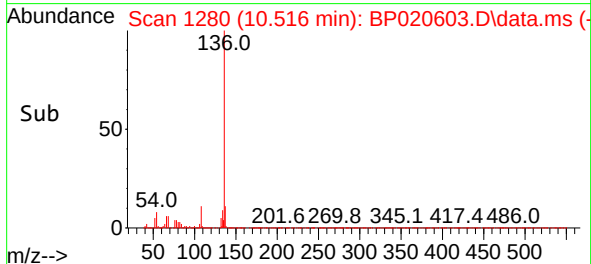
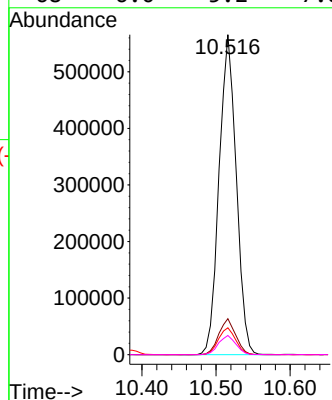
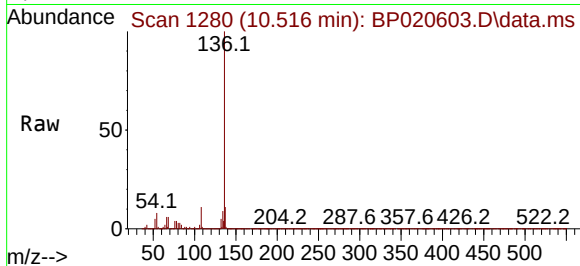




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.516 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

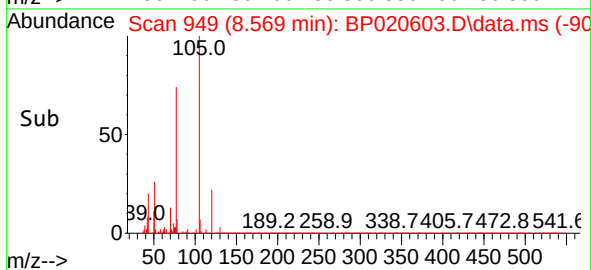
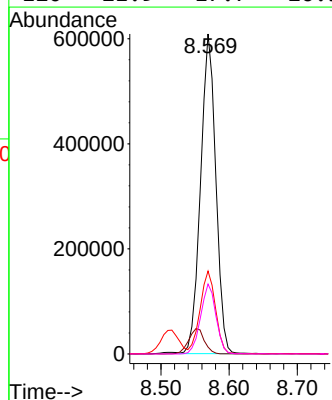
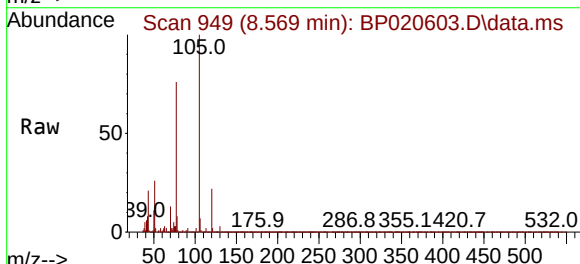
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

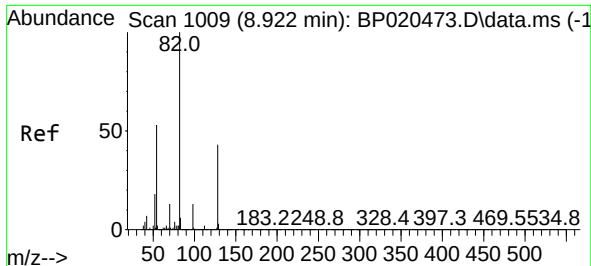
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 910834 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 9.0   | 13.4   |
| 54       | 8.4   | 7.4   | 11.0   |
| 68       | 6.0   | 5.2   | 7.8    |



#22  
Acetophenone  
Concen: 41.825 ng  
RT: 8.569 min Scan# 949  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 945612 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 2.1   | 2.3   | 3.5    |
| 51       | 25.9  | 22.6  | 33.8   |
| 120      | 21.9  | 17.7  | 26.5   |

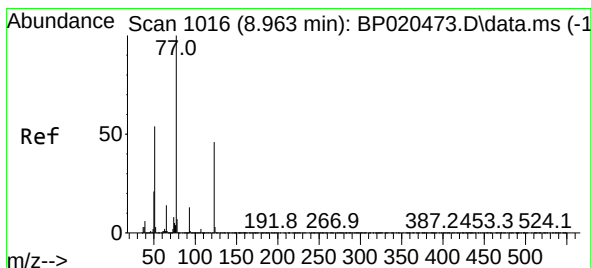
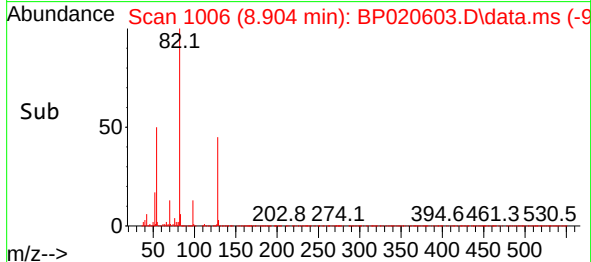
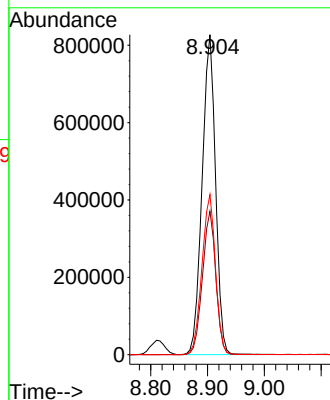
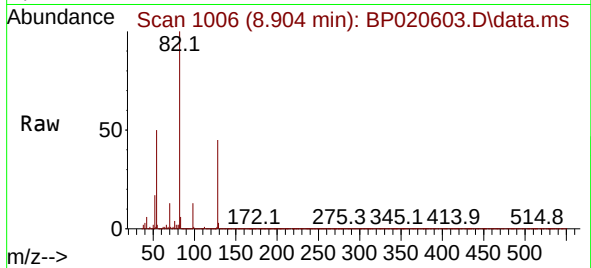




#23  
Nitrobenzene-d5  
Concen: 81.523 ng  
RT: 8.904 min Scan# 1006  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

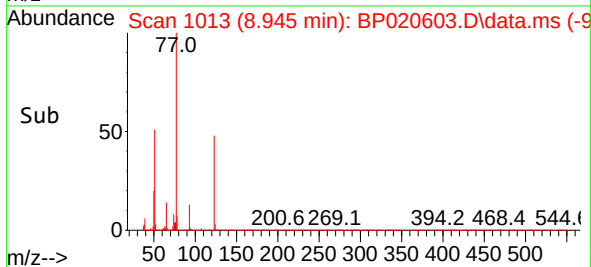
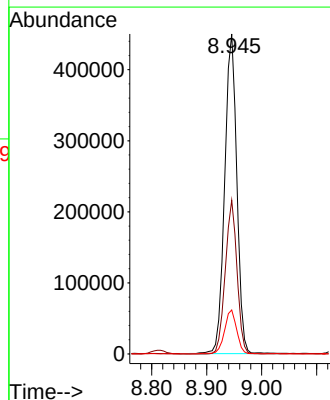
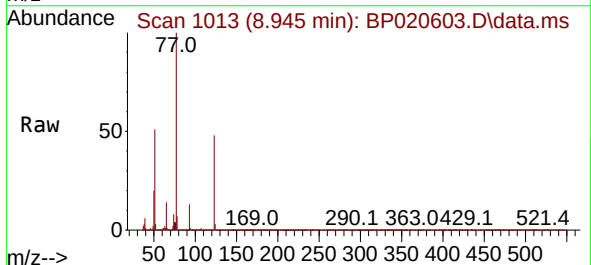
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

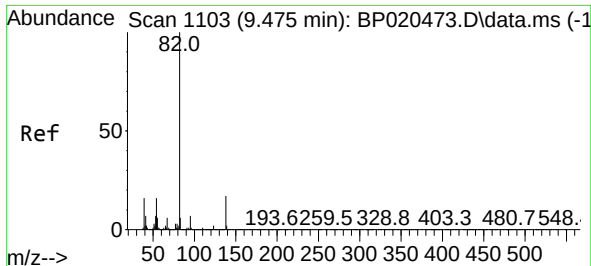
Tgt Ion: 82 Resp: 1356476  
Ion Ratio Lower Upper  
82 100  
128 44.8 34.2 51.4  
54 50.1 42.7 64.1



#24  
Nitrobenzene  
Concen: 40.816 ng  
RT: 8.945 min Scan# 1013  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion: 77 Resp: 689262  
Ion Ratio Lower Upper  
77 100  
123 48.1 36.6 54.8  
65 13.8 11.1 16.7

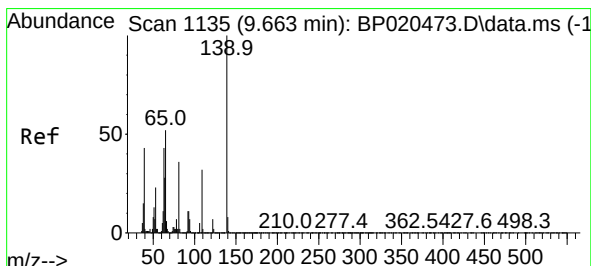
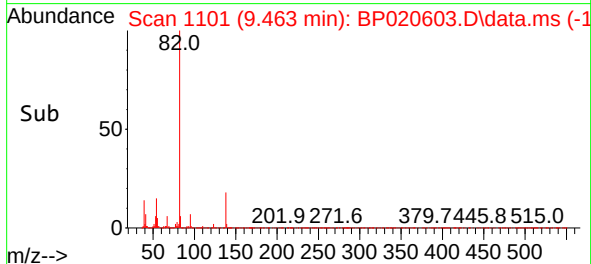
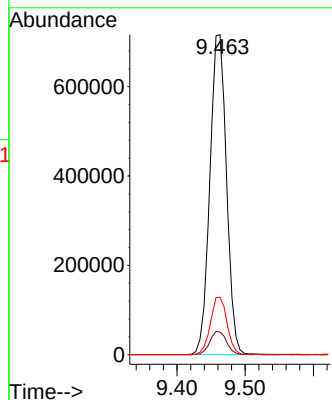
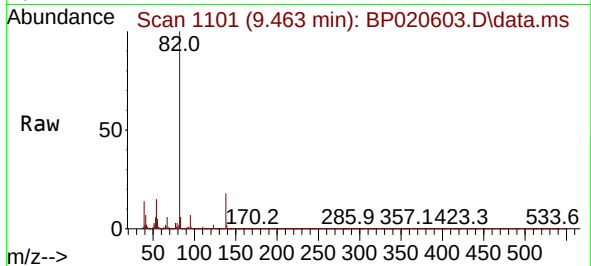




#25  
Isophorone  
Concen: 37.577 ng  
RT: 9.463 min Scan# 1101  
Delta R.T. -0.012 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

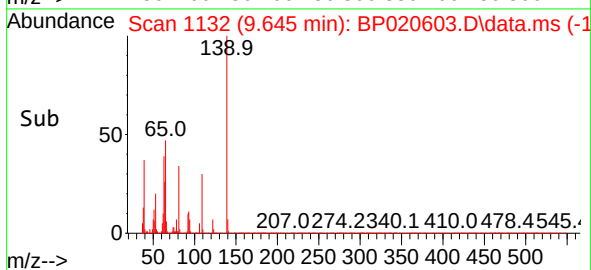
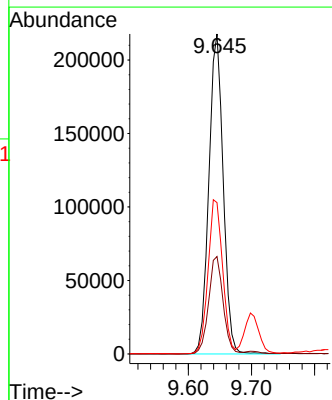
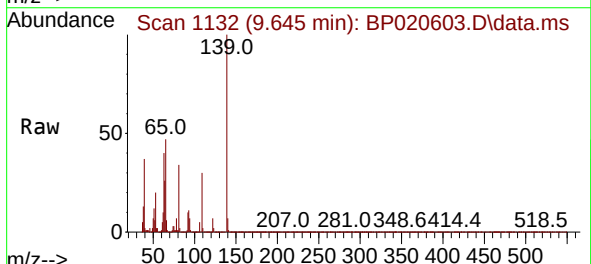
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

Tgt Ion: 82 Resp: 1214834  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.8 8.6  
138 17.9 13.8 20.6

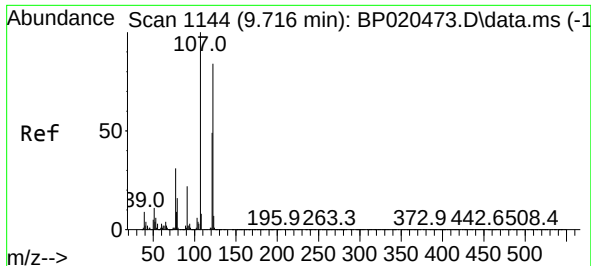


#26  
2-Nitrophenol  
Concen: 51.137 ng  
RT: 9.645 min Scan# 1132  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion: 139 Resp: 343397  
Ion Ratio Lower Upper  
139 100  
109 30.4 25.8 38.8  
65 47.3 41.8 62.8







#27

2,4-Dimethylphenol

Concen: 42.633 ng

RT: 9.698 min Scan# 1141

Delta R.T. -0.018 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

PB161451BS

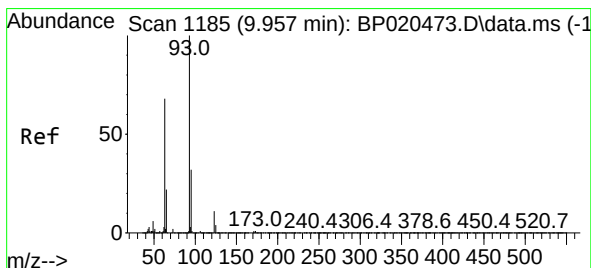
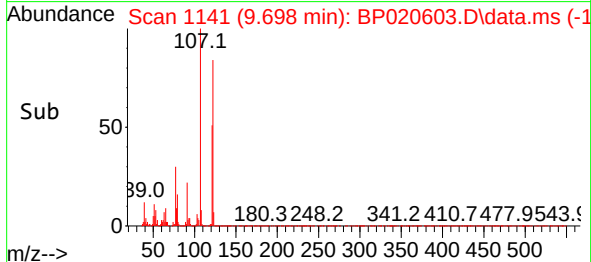
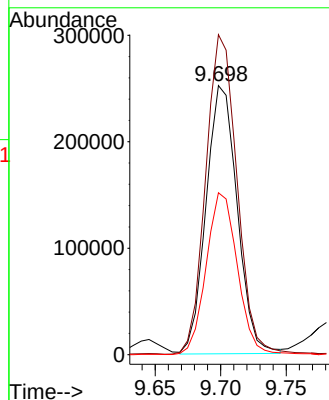
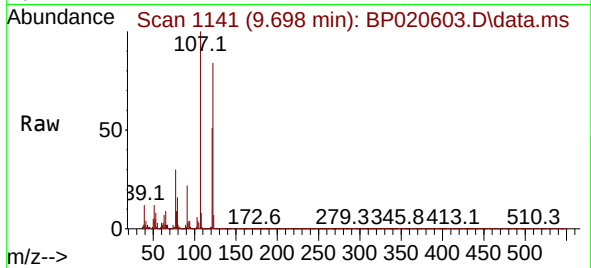
Tgt Ion:122 Resp: 416396

Ion Ratio Lower Upper

122 100

107 118.9 95.0 142.4

121 60.2 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 38.274 ng

RT: 9.939 min Scan# 1182

Delta R.T. -0.018 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

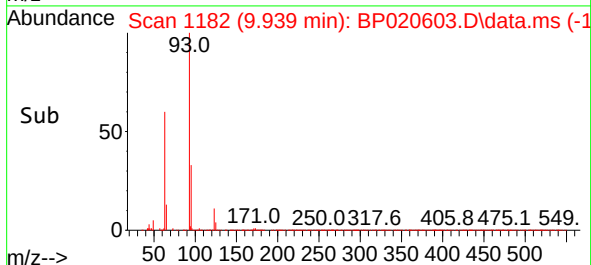
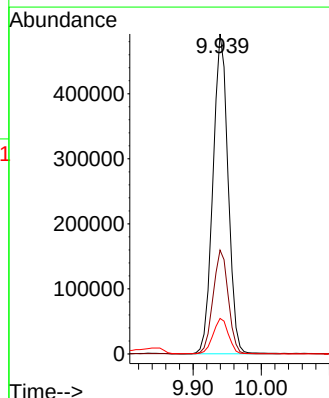
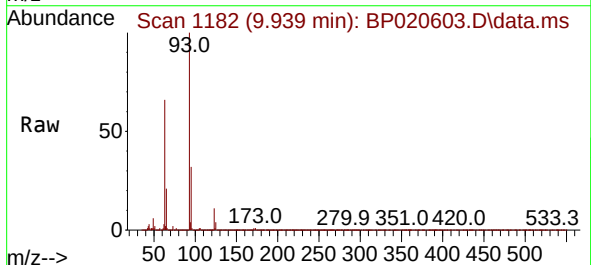
Tgt Ion: 93 Resp: 760531

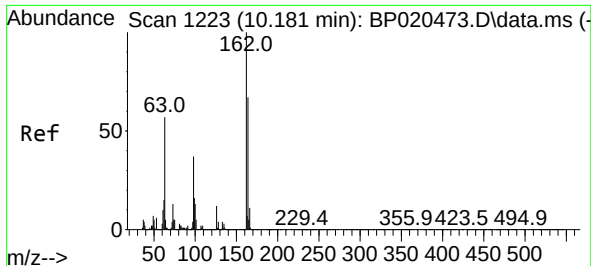
Ion Ratio Lower Upper

93 100

95 32.4 25.8 38.8

123 11.1 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 43.741 ng

RT: 10.169 min Scan# 11

Delta R.T. -0.012 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

PB161451BS

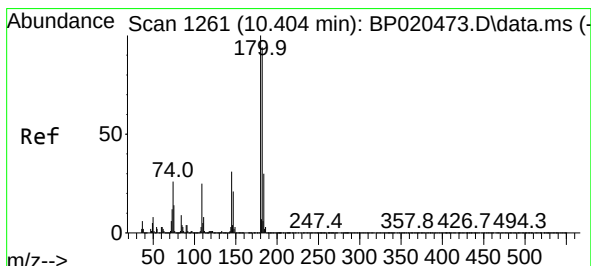
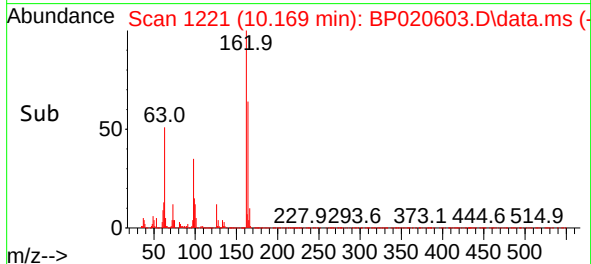
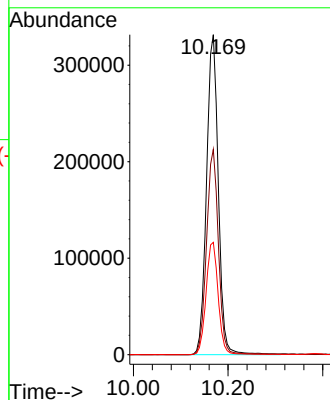
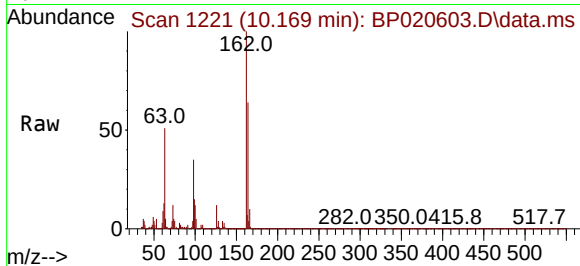
Tgt Ion:162 Resp: 573148

Ion Ratio Lower Upper

162 100

164 64.1 46.5 86.5

98 35.1 17.4 57.4



#30

1,2,4-Trichlorobenzene

Concen: 43.582 ng

RT: 10.386 min Scan# 1258

Delta R.T. -0.018 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

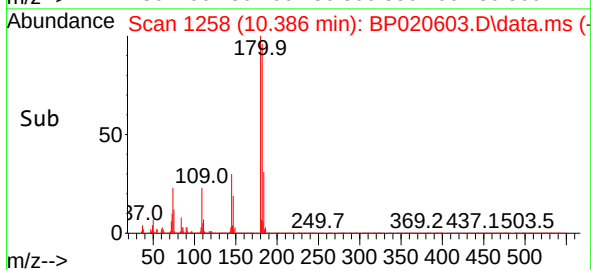
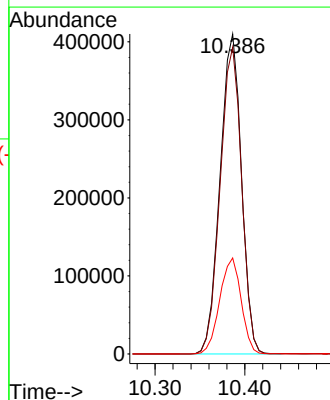
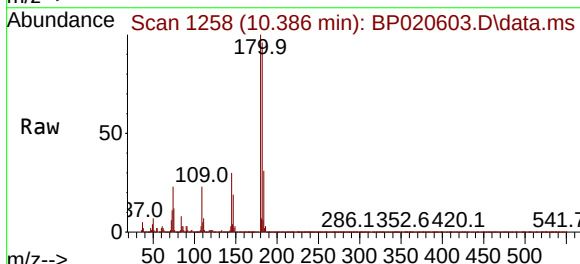
Tgt Ion:180 Resp: 677948

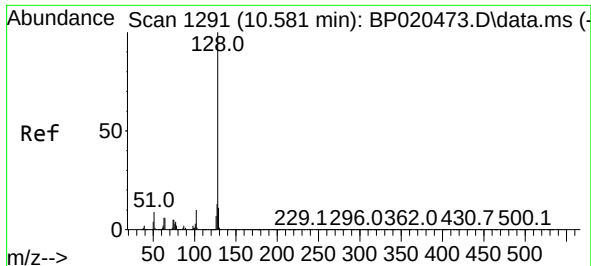
Ion Ratio Lower Upper

180 100

182 95.8 75.2 112.8

145 30.0 24.9 37.3

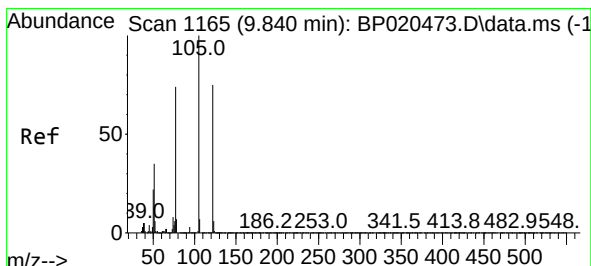
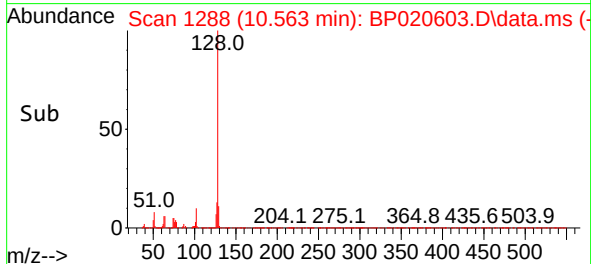
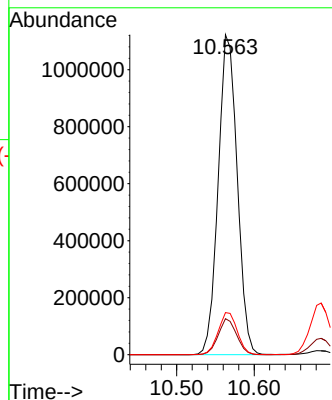
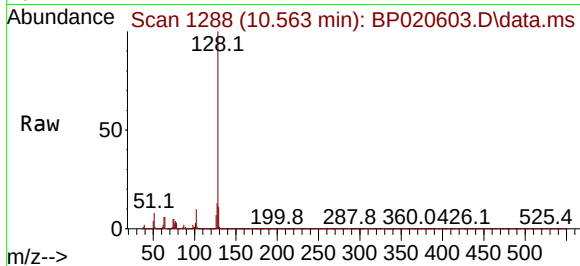




#31  
Naphthalene  
Concen: 41.065 ng  
RT: 10.563 min Scan# 1166  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

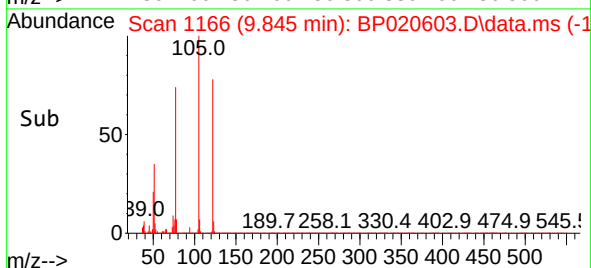
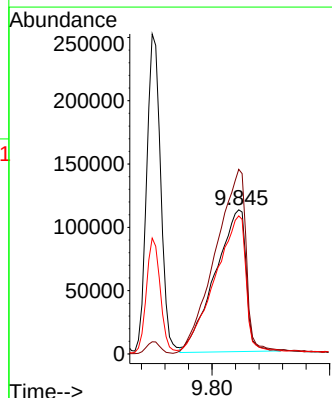
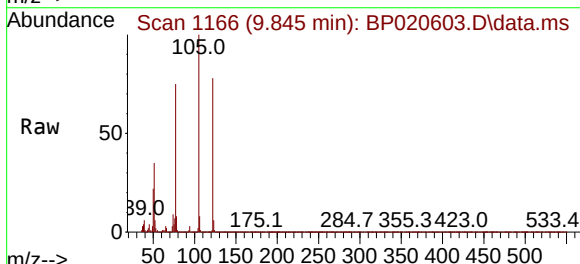
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

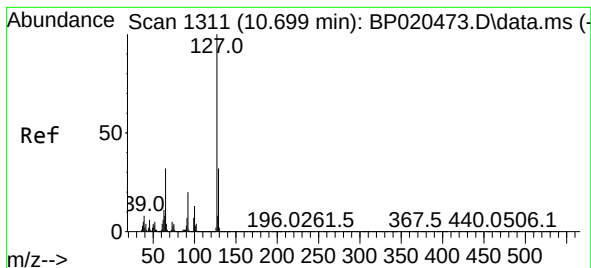
Tgt Ion:128 Resp: 1912127  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.9 13.3  
127 13.1 10.5 15.7



#32  
Benzoic acid  
Concen: 44.824 ng  
RT: 9.845 min Scan# 1166  
Delta R.T. 0.005 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:122 Resp: 411015  
Ion Ratio Lower Upper  
122 100  
105 128.1 107.5 147.5  
77 95.7 76.1 116.1





#33

4-Chloroaniline

Concen: 18.798 ng

RT: 10.686 min Scan# 11

Delta R.T. -0.012 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

PB161451BS

Tgt Ion:127 Resp: 338603

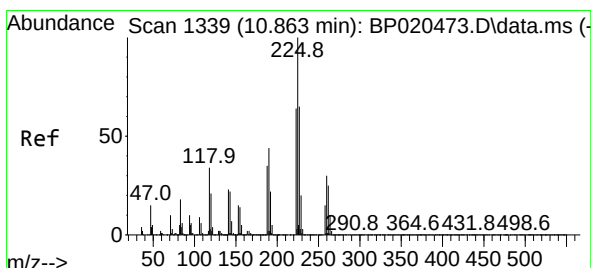
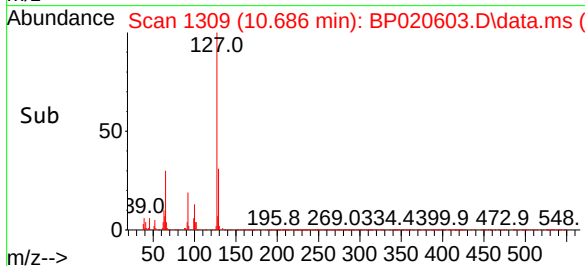
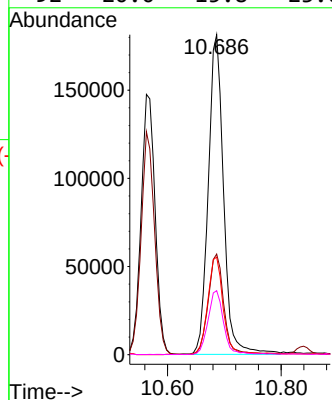
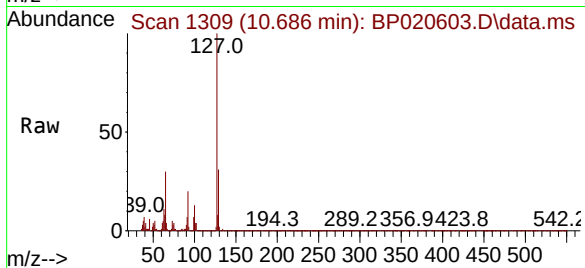
Ion Ratio Lower Upper

127 100

129 31.5 26.0 39.0

65 30.5 25.4 38.2

92 20.0 15.8 23.6



#34

Hexachlorobutadiene

Concen: 43.563 ng

RT: 10.839 min Scan# 1335

Delta R.T. -0.024 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

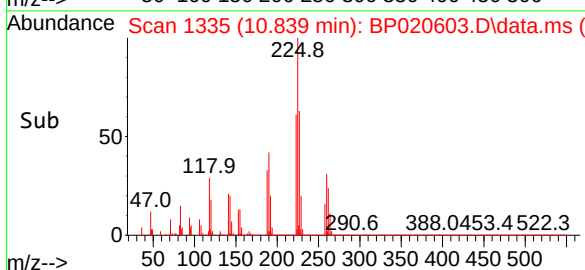
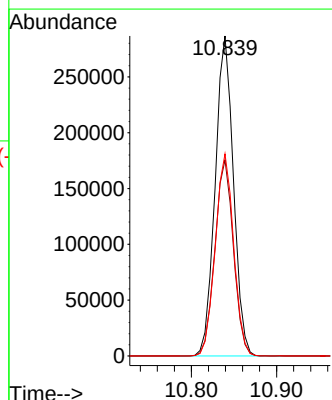
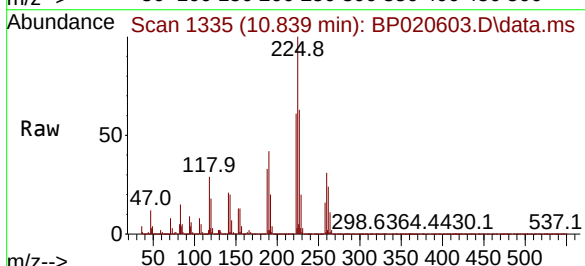
Tgt Ion:225 Resp: 426867

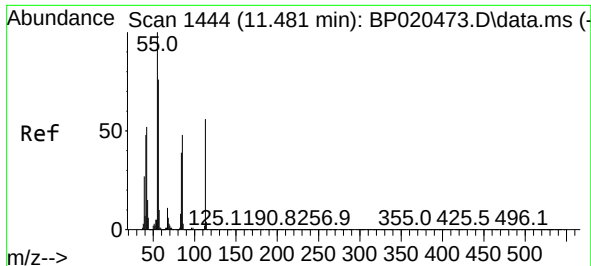
Ion Ratio Lower Upper

225 100

223 61.3 51.3 76.9

227 63.2 51.6 77.4

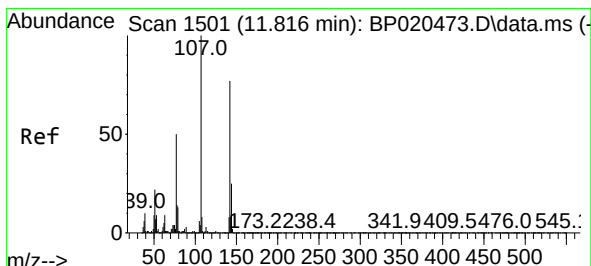
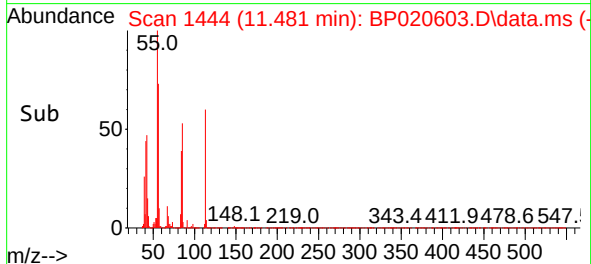
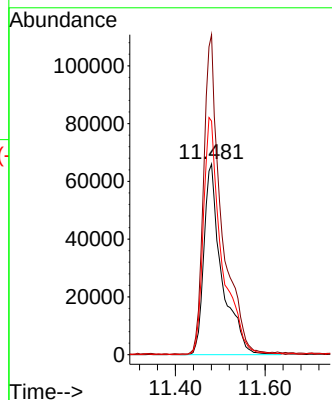
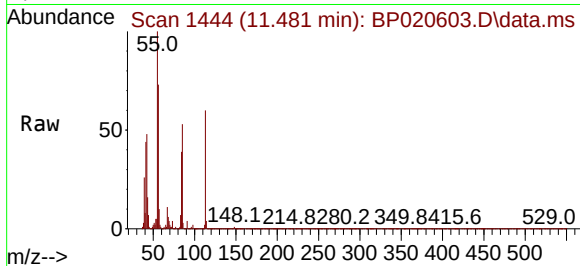




#35  
 Caprolactam  
 Concen: 37.931 ng  
 RT: 11.481 min Scan# 1444  
 Delta R.T. -0.000 min  
 Lab File: BP020603.D  
 Acq: 12 Jun 2024 16:40

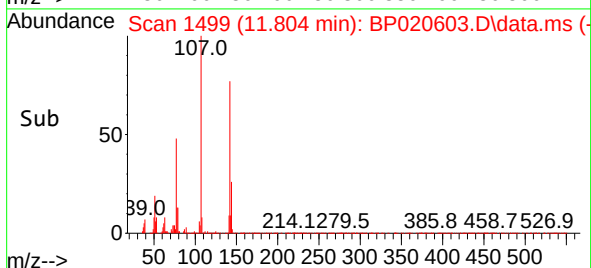
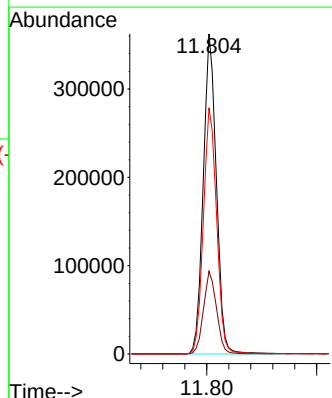
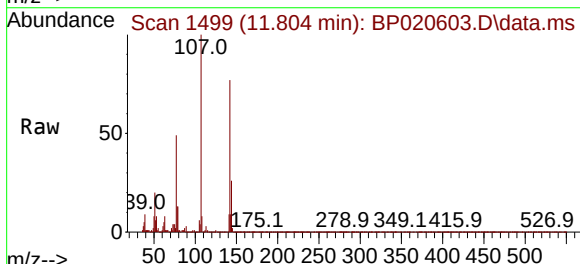
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB161451BS

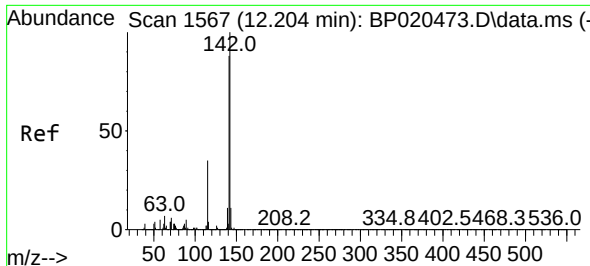
Tgt Ion:113 Resp: 182140  
 Ion Ratio Lower Upper  
 113 100  
 55 167.9 158.7 198.7  
 56 122.6 115.4 155.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 39.025 ng  
 RT: 11.804 min Scan# 1499  
 Delta R.T. -0.012 min  
 Lab File: BP020603.D  
 Acq: 12 Jun 2024 16:40

Tgt Ion:107 Resp: 598710  
 Ion Ratio Lower Upper  
 107 100  
 144 25.8 20.0 30.0  
 142 77.0 61.4 92.2

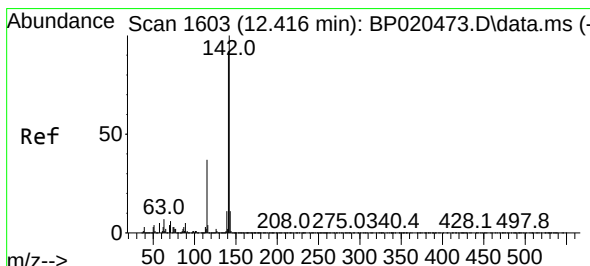
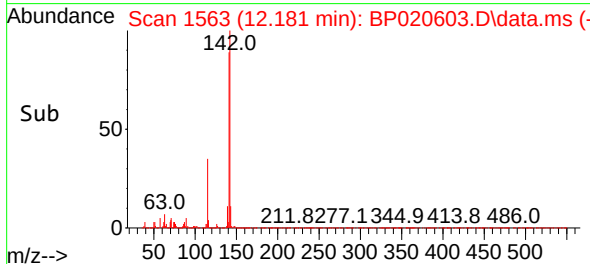
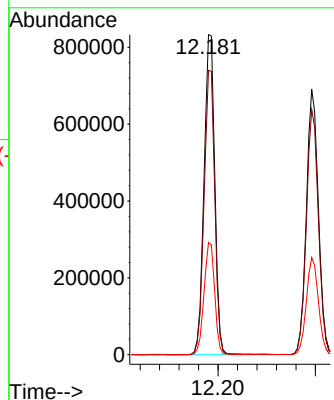
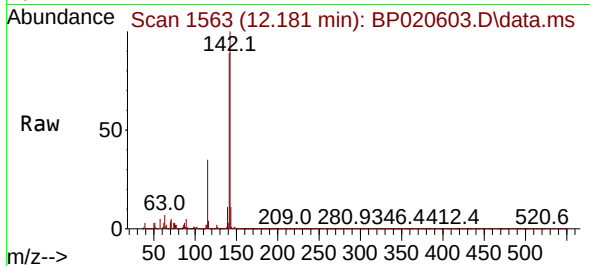




#37  
2-Methylnaphthalene  
Concen: 38.103 ng  
RT: 12.181 min Scan# 1563  
Delta R.T. -0.024 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

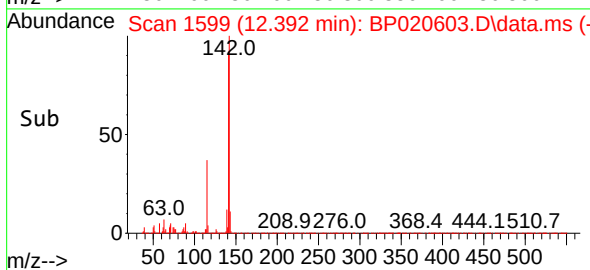
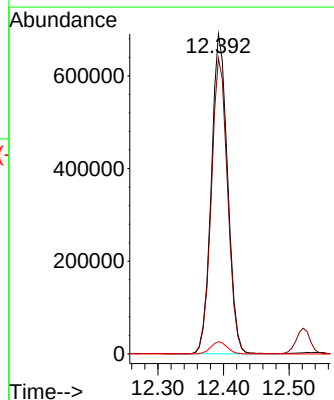
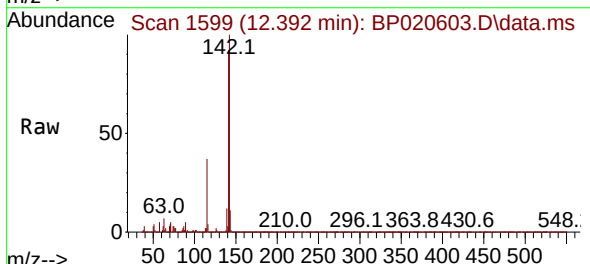
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

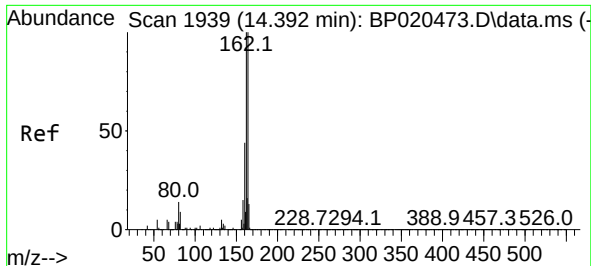
Tgt Ion:142 Resp: 1271302  
Ion Ratio Lower Upper  
142 100  
141 88.8 70.3 105.5  
115 35.1 28.0 42.0



#38  
1-Methylnaphthalene  
Concen: 35.861 ng  
RT: 12.392 min Scan# 1599  
Delta R.T. -0.024 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:142 Resp: 1186093  
Ion Ratio Lower Upper  
142 100  
141 92.4 73.7 110.5  
116 3.8 3.2 4.8

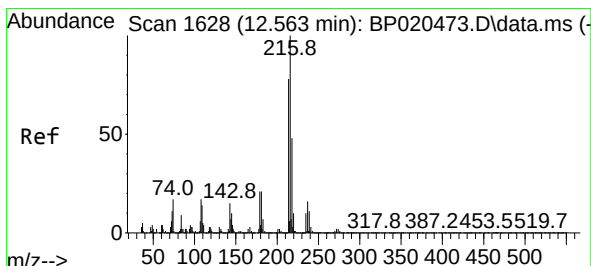
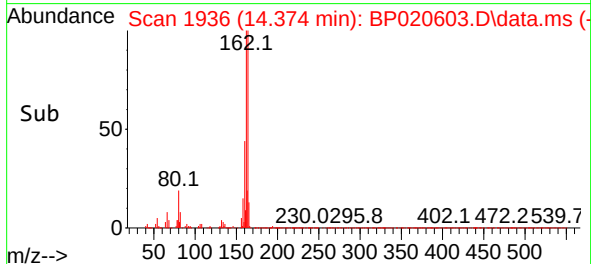
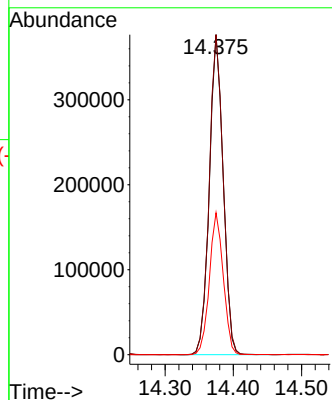
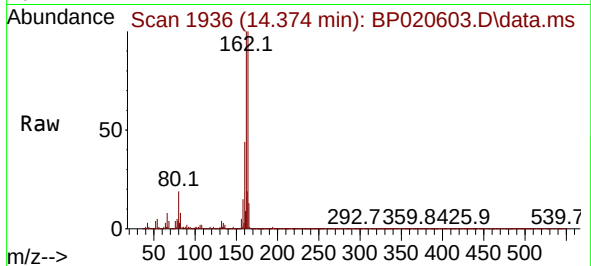




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.374 min Scan# 1939  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

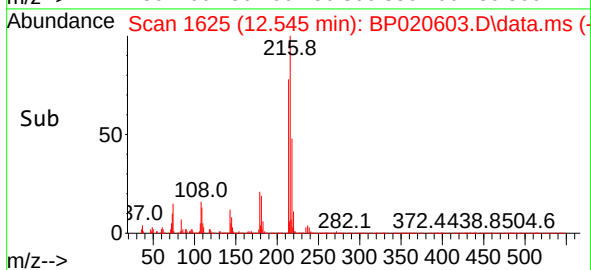
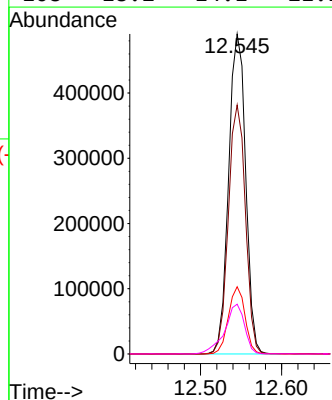
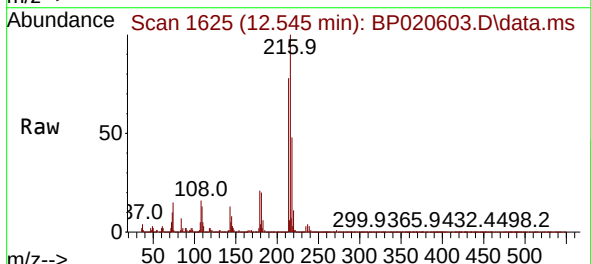
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

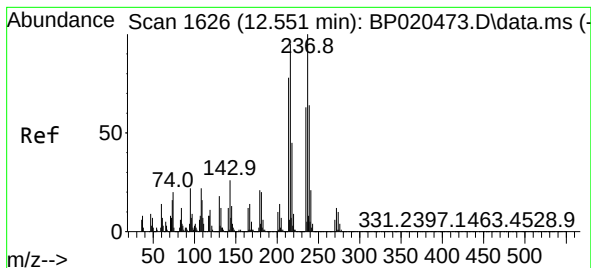
Tgt Ion:164 Resp: 531200  
Ion Ratio Lower Upper  
164 100  
162 100.0 80.3 120.5  
160 44.3 35.4 53.2



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 46.542 ng  
RT: 12.545 min Scan# 1625  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:216 Resp: 715325  
Ion Ratio Lower Upper  
216 100  
214 78.1 63.0 94.4  
179 20.5 16.9 25.3  
108 18.2 14.1 21.1





#41

Hexachlorocyclopentadiene

Concen: 134.060 ng

RT: 12.522 min Scan# 1

Delta R.T. -0.030 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

PB161451BS

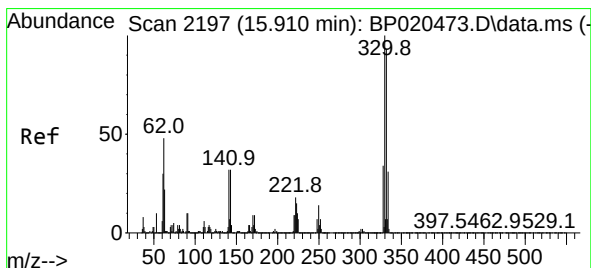
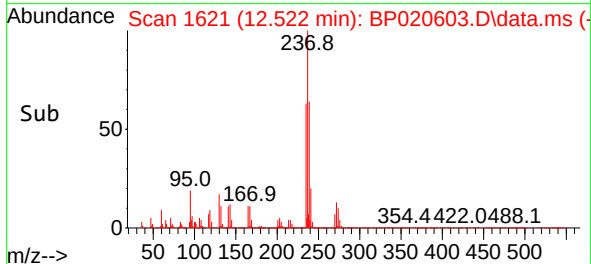
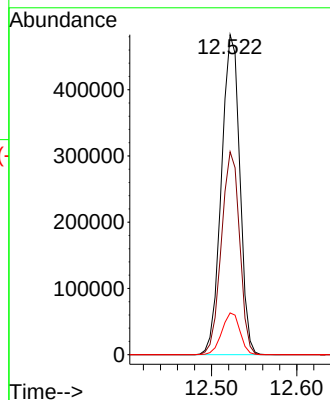
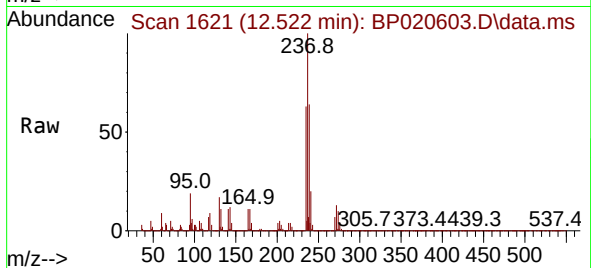
Tgt Ion:237 Resp: 724128

Ion Ratio Lower Upper

237 100

235 63.4 43.1 83.1

272 13.1 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 155.057 ng

RT: 15.892 min Scan# 2194

Delta R.T. -0.018 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

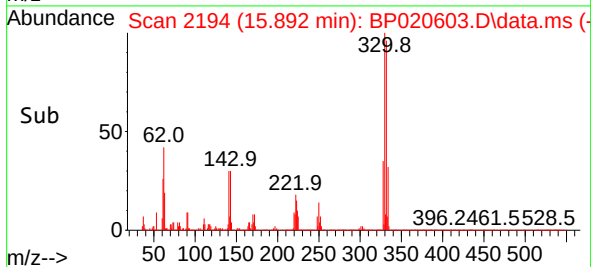
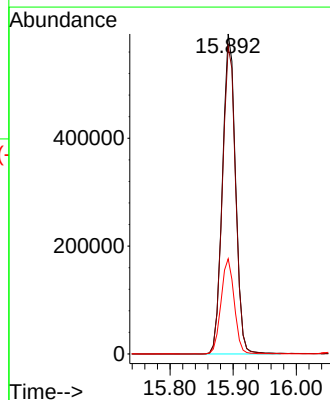
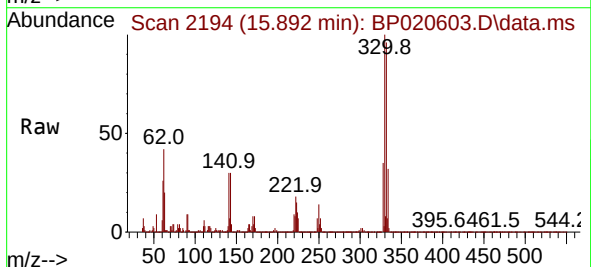
Tgt Ion:330 Resp: 854801

Ion Ratio Lower Upper

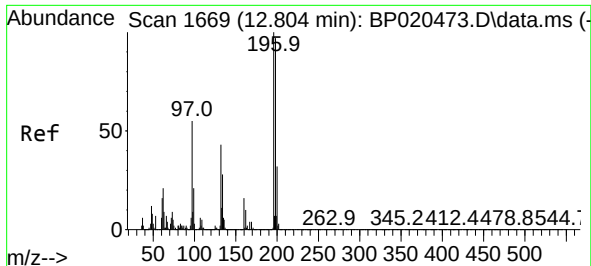
330 100

332 97.2 76.6 114.8

141 30.1 27.1 40.7



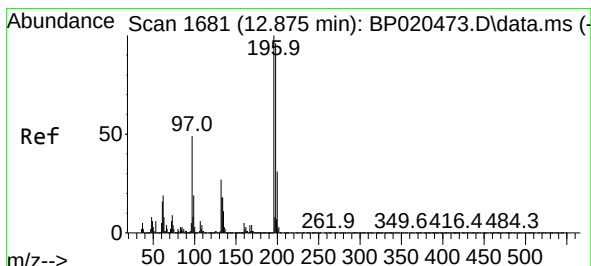
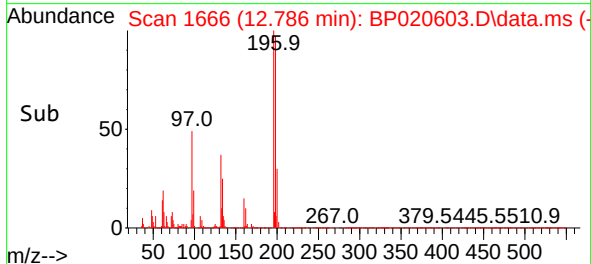
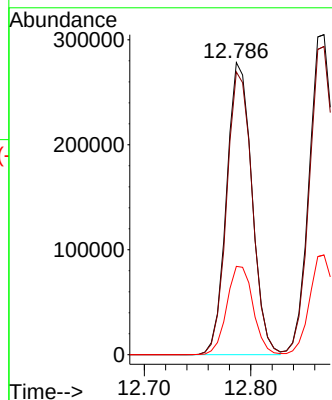
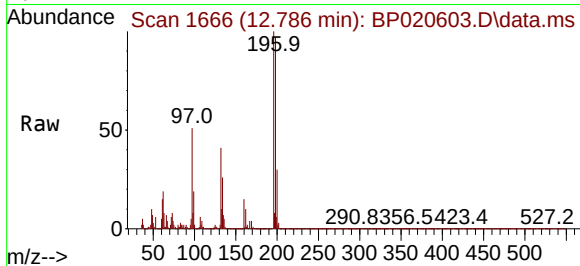




#43  
2,4,6-Trichlorophenol  
Concen: 49.583 ng  
RT: 12.786 min Scan# 1666  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

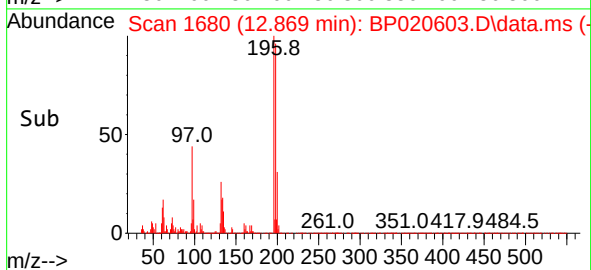
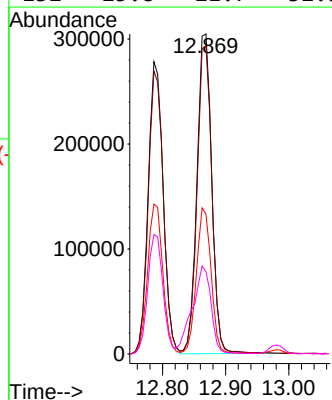
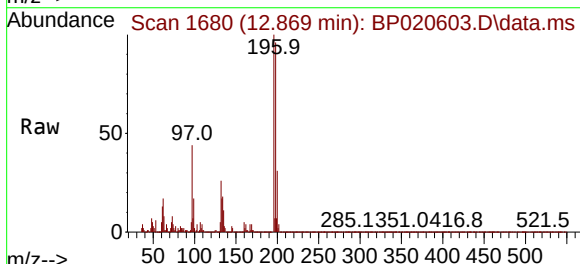
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

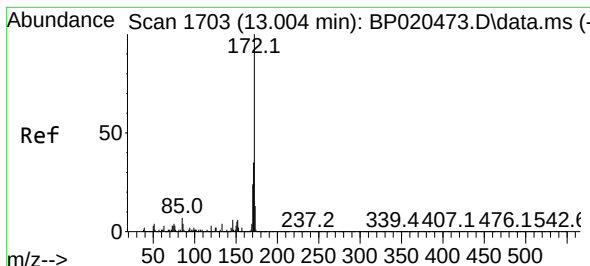
Tgt Ion:196 Resp: 460638  
Ion Ratio Lower Upper  
196 100  
198 96.8 77.9 116.9  
200 30.2 25.5 38.3



#44  
2,4,5-Trichlorophenol  
Concen: 46.281 ng  
RT: 12.869 min Scan# 1680  
Delta R.T. -0.006 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:196 Resp: 496044  
Ion Ratio Lower Upper  
196 100  
198 96.3 77.0 115.4  
97 43.6 38.9 58.3  
132 25.8 21.7 32.5





#45

2-Fluorobiphenyl

Concen: 81.231 ng

RT: 12.980 min Scan# 1736

Delta R.T. -0.024 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

PB161451BS

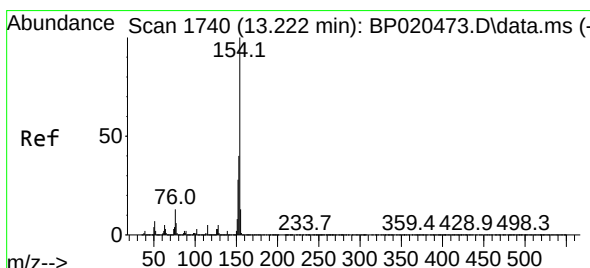
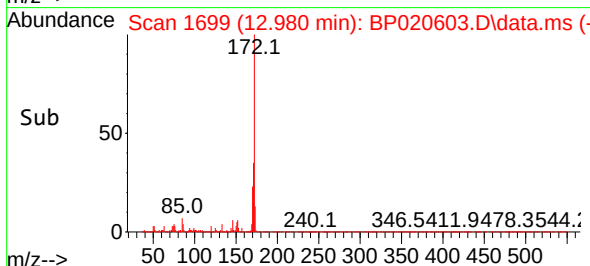
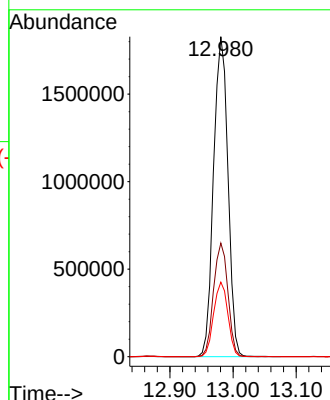
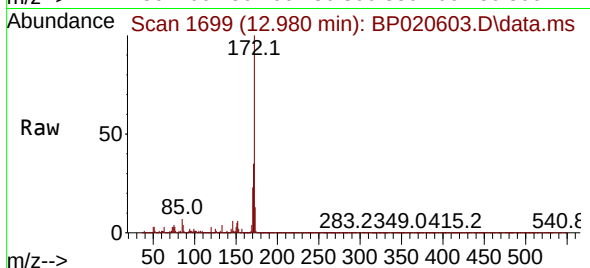
Tgt Ion:172 Resp: 2894556

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.3 18.9 28.3



#46

1,1'-Biphenyl

Concen: 43.358 ng

RT: 13.198 min Scan# 1736

Delta R.T. -0.024 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

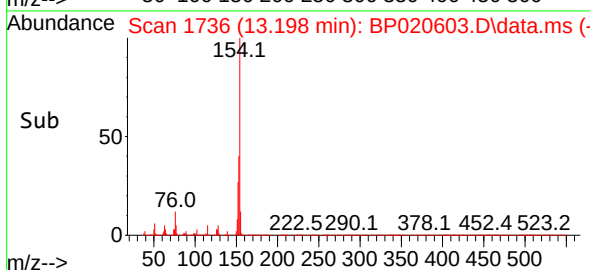
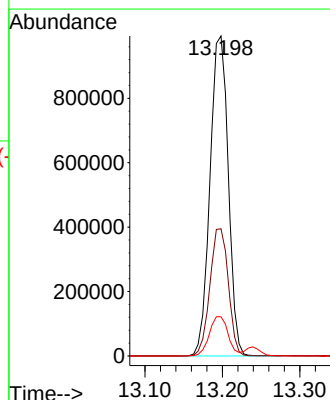
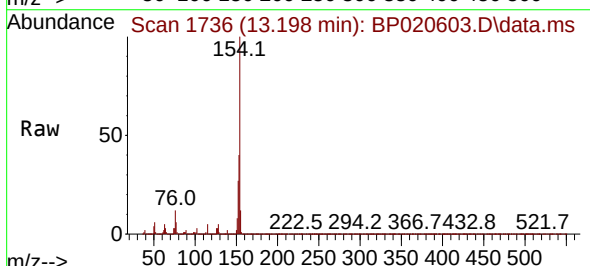
Tgt Ion:154 Resp: 1625434

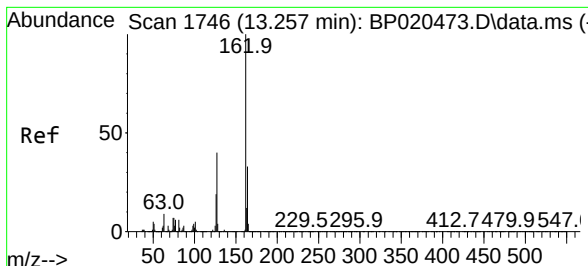
Ion Ratio Lower Upper

154 100

153 39.8 19.9 59.9

76 12.3 0.0 33.2

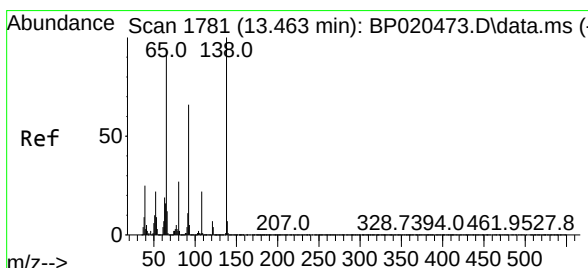
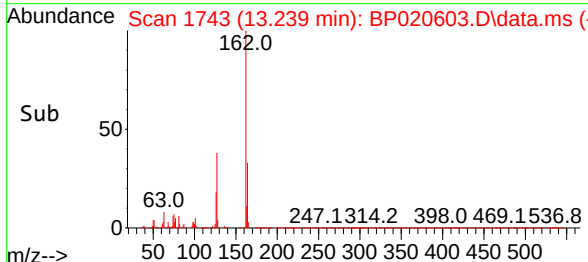
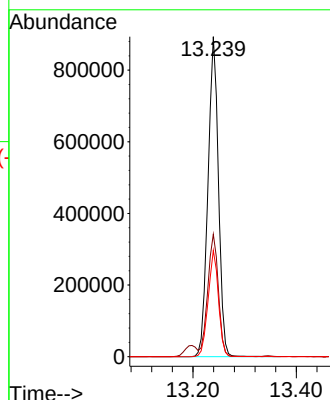
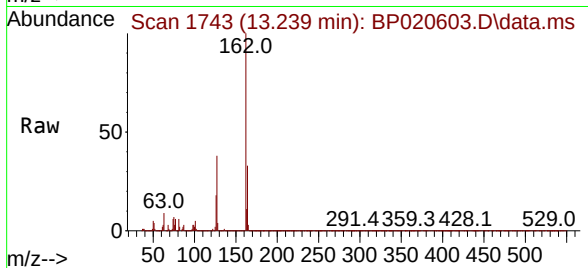




#47  
2-Chloronaphthalene  
Concen: 42.161 ng  
RT: 13.239 min Scan# 1743  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

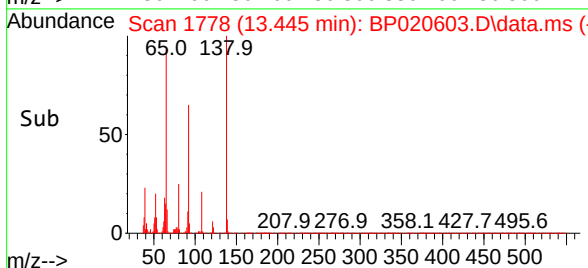
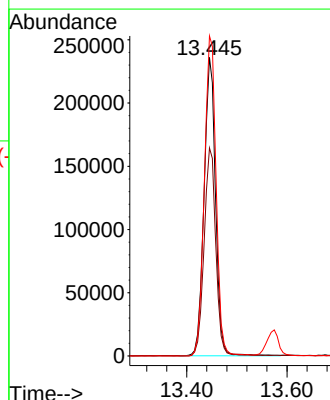
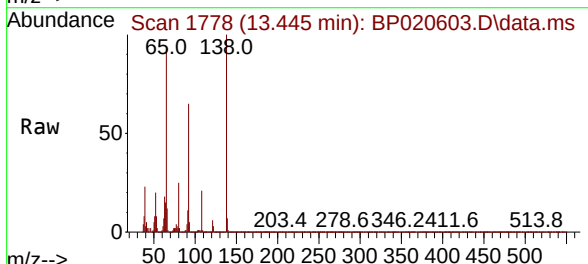
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

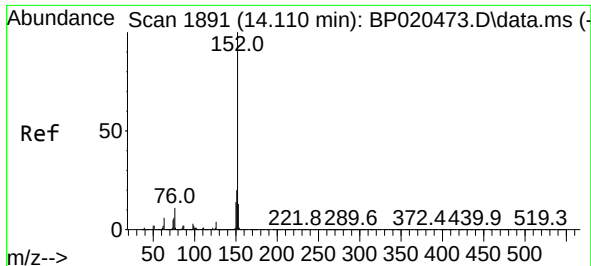
Tgt Ion:162 Resp: 1256485  
Ion Ratio Lower Upper  
162 100  
127 38.2 32.2 48.2  
164 33.2 26.1 39.1



#48  
2-Nitroaniline  
Concen: 46.618 ng  
RT: 13.445 min Scan# 1778  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion: 65 Resp: 376464  
Ion Ratio Lower Upper  
65 100  
92 69.7 55.8 83.8  
138 107.2 85.2 127.8

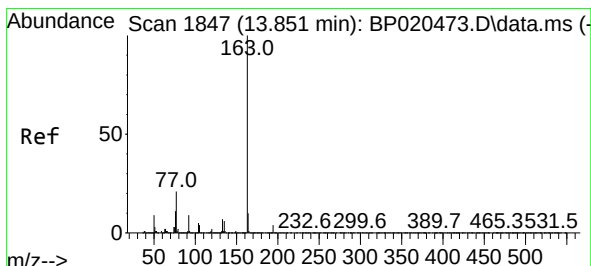
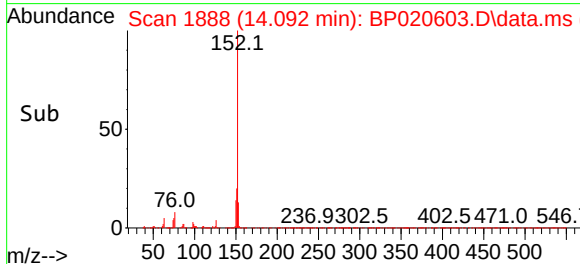
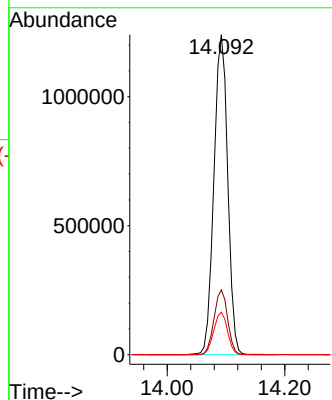
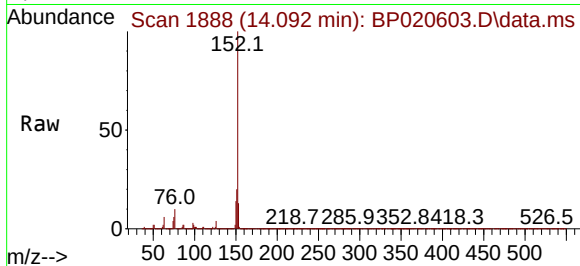




#49  
Acenaphthylene  
Concen: 45.634 ng  
RT: 14.092 min Scan# 1888  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

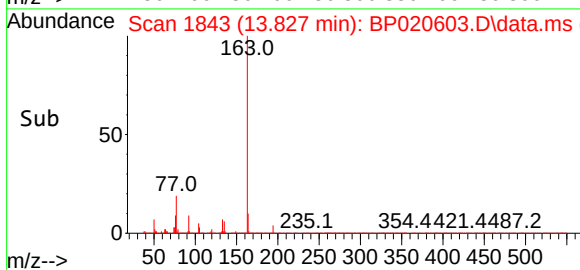
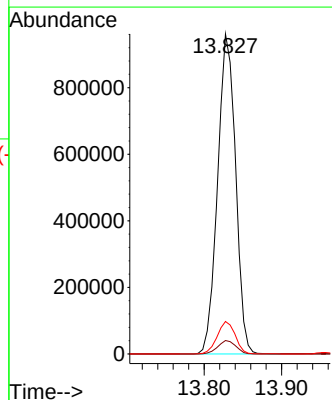
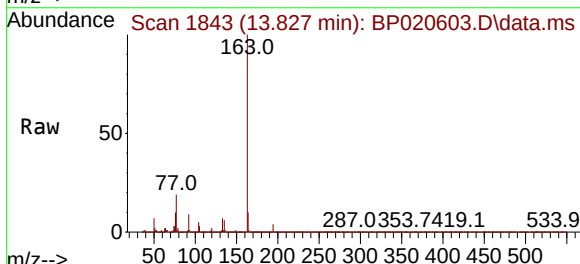
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

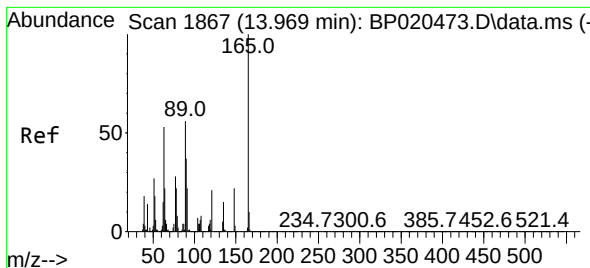
Tgt Ion:152 Resp: 2017995  
Ion Ratio Lower Upper  
152 100  
151 20.2 15.9 23.9  
153 13.3 10.6 15.8



#50  
Dimethylphthalate  
Concen: 41.376 ng  
RT: 13.827 min Scan# 1843  
Delta R.T. -0.024 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:163 Resp: 1549264  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.3 4.9  
164 10.2 8.3 12.5

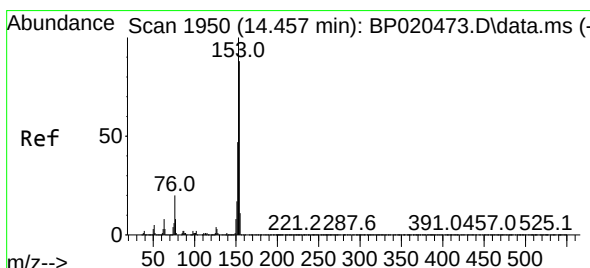
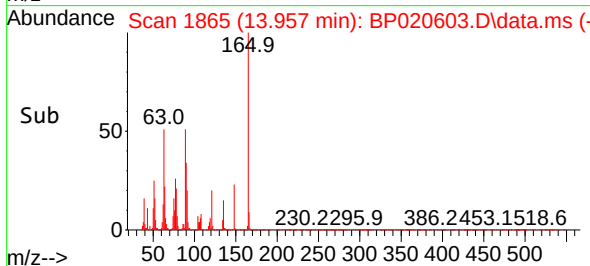
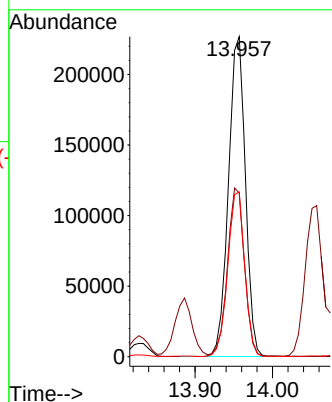
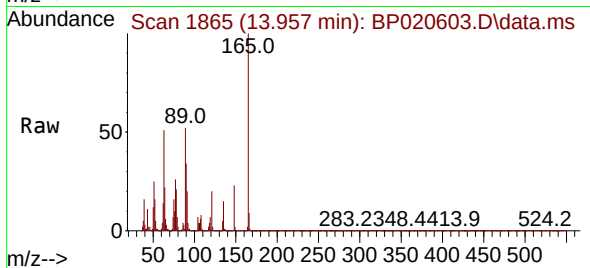




#51  
2,6-Dinitrotoluene  
Concen: 43.123 ng  
RT: 13.957 min Scan# 1865  
Delta R.T. -0.012 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

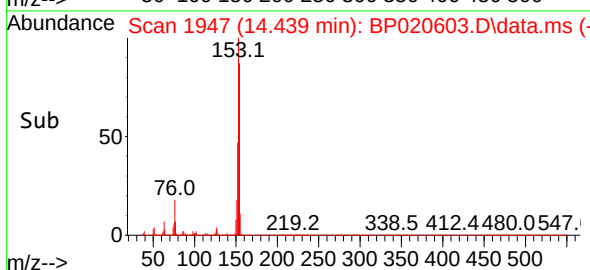
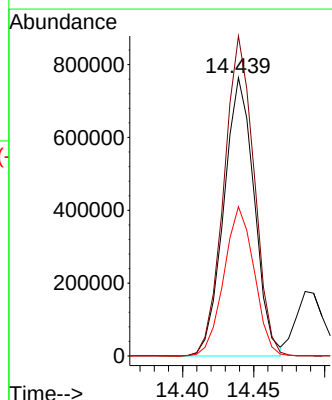
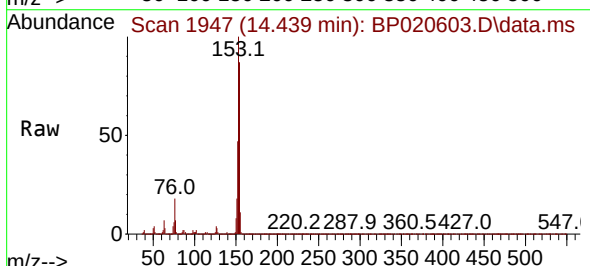
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

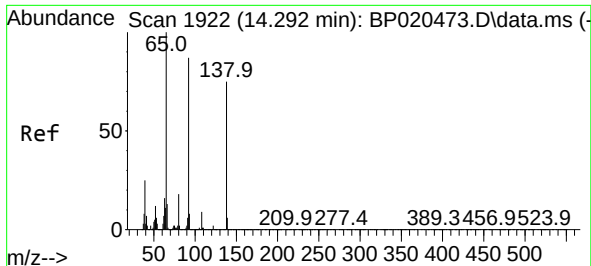
Tgt Ion:165 Resp: 345131  
Ion Ratio Lower Upper  
165 100  
63 51.1 45.6 68.4  
89 51.5 44.9 67.3



#52  
Acenaphthene  
Concen: 40.824 ng  
RT: 14.439 min Scan# 1947  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:154 Resp: 1138782  
Ion Ratio Lower Upper  
154 100  
153 115.0 90.6 136.0  
152 53.7 42.6 63.8

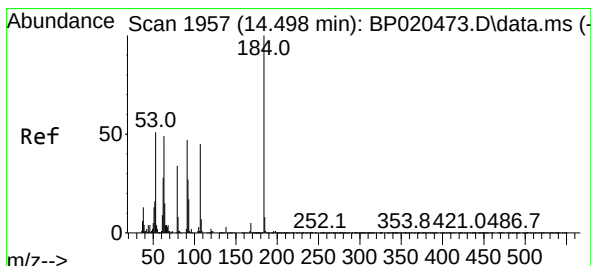
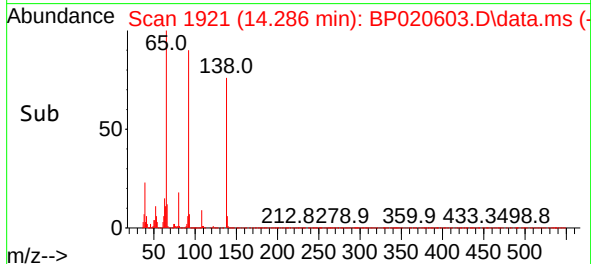
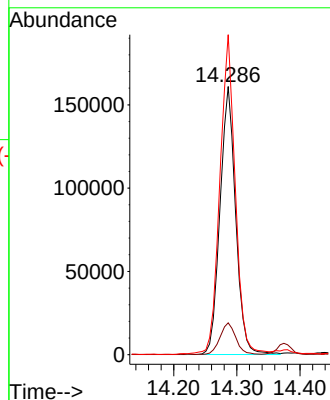
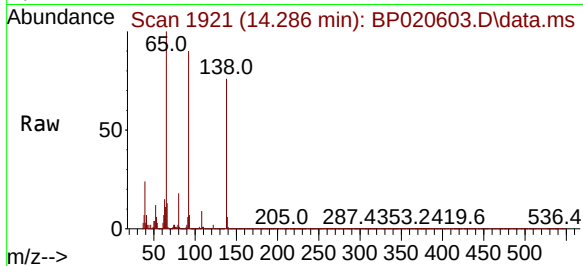




#53  
3-Nitroaniline  
Concen: 34.527 ng  
RT: 14.286 min Scan# 1921  
Delta R.T. -0.006 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

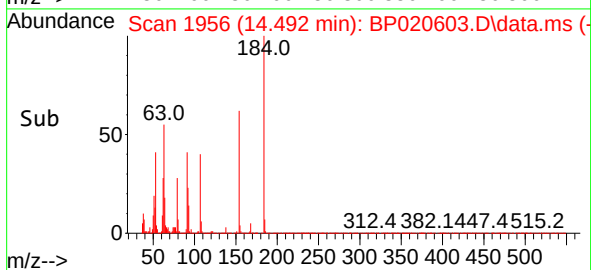
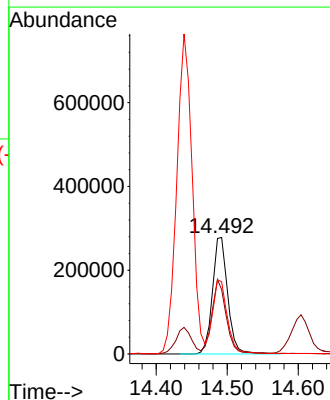
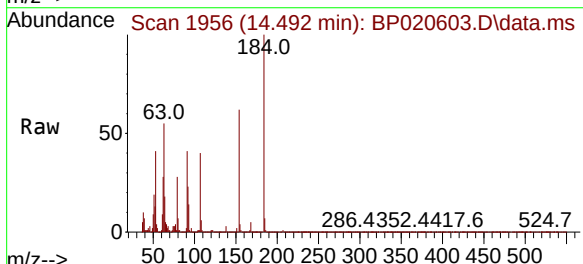
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

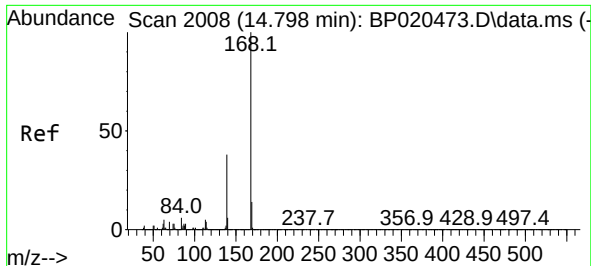
Tgt Ion:138 Resp: 277185  
Ion Ratio Lower Upper  
138 100  
108 11.9 9.8 14.6  
92 119.4 93.5 140.3



#54  
2,4-Dinitrophenol  
Concen: 104.300 ng  
RT: 14.492 min Scan# 1956  
Delta R.T. -0.006 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:184 Resp: 415607  
Ion Ratio Lower Upper  
184 100  
63 55.2 54.2 81.4  
154 61.9 51.0 76.6

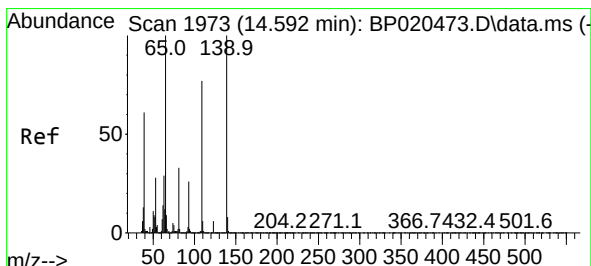
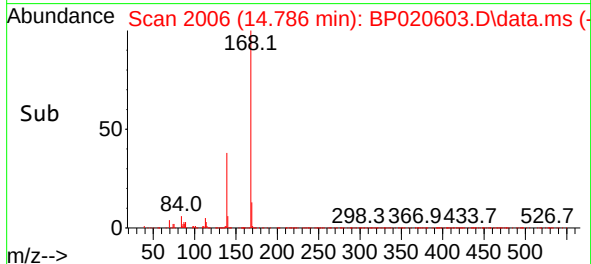
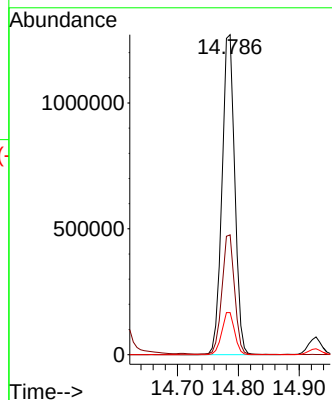
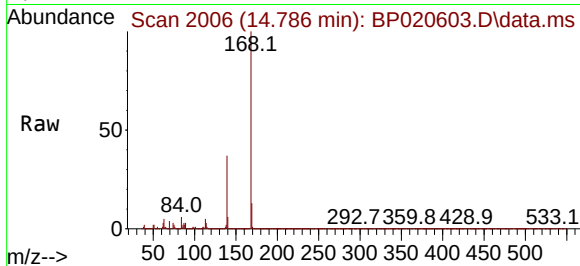




#55  
Dibenzofuran  
Concen: 41.767 ng  
RT: 14.786 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

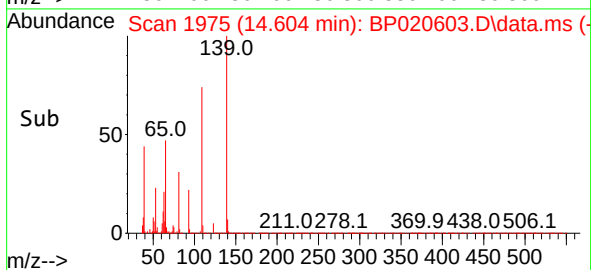
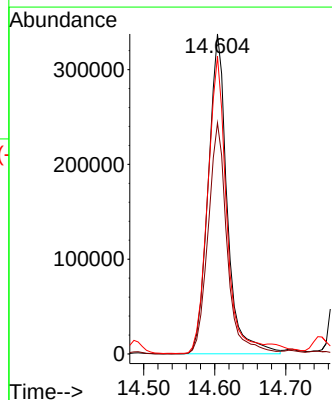
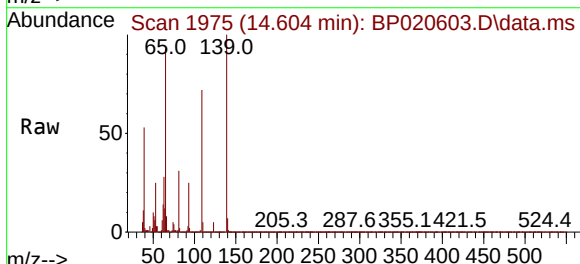
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

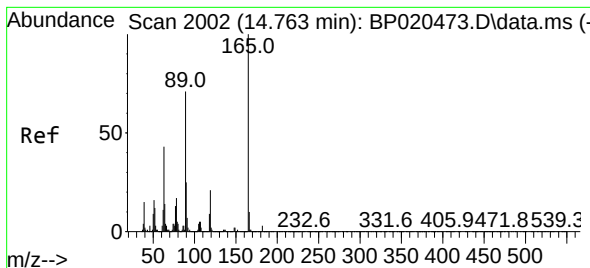
Tgt Ion:168 Resp: 1845602  
Ion Ratio Lower Upper  
168 100  
139 37.4 30.4 45.6  
169 13.1 11.0 16.4



#56  
4-Nitrophenol  
Concen: 100.960 ng  
RT: 14.604 min Scan# 1975  
Delta R.T. 0.011 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:139 Resp: 626967  
Ion Ratio Lower Upper  
139 100  
109 72.2 57.4 97.4  
65 93.0 80.4 120.4

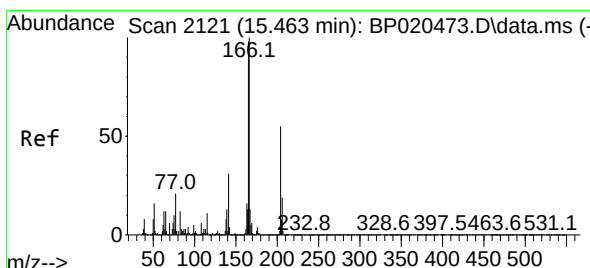
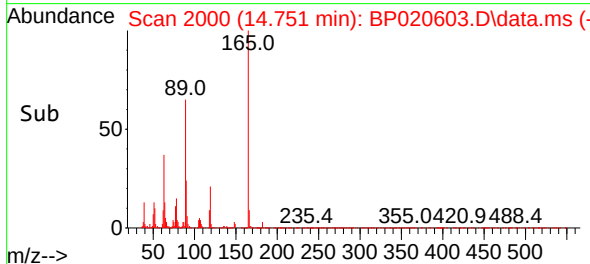
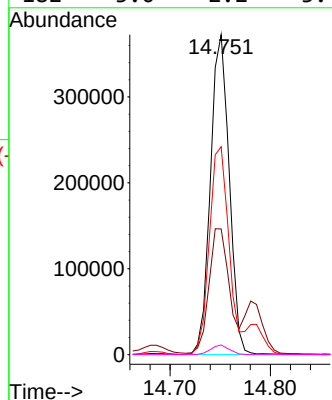
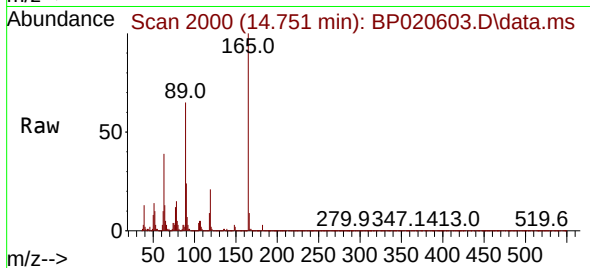




#57  
2,4-Dinitrotoluene  
Concen: 45.980 ng  
RT: 14.751 min Scan# 2000  
Delta R.T. -0.012 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

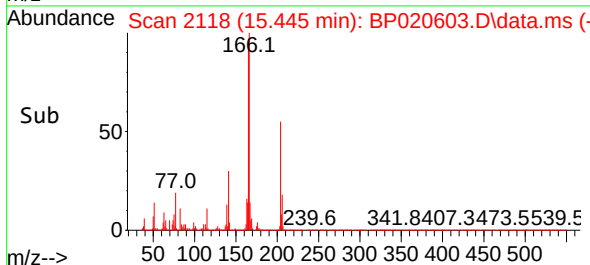
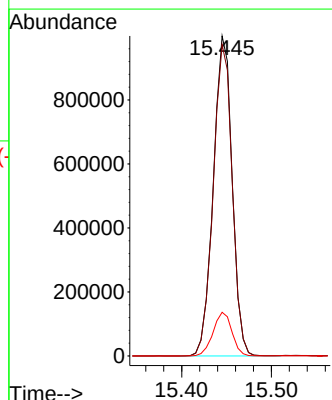
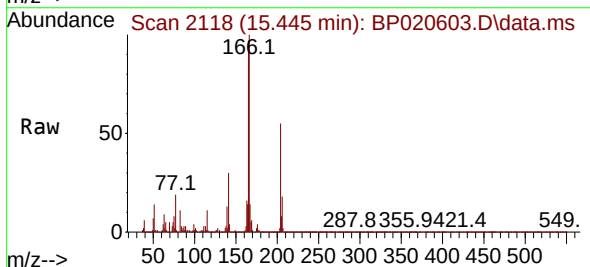
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

Tgt Ion:165 Resp: 483621  
Ion Ratio Lower Upper  
165 100  
63 39.3 34.9 52.3  
89 65.0 56.6 85.0  
182 3.0 2.2 3.4

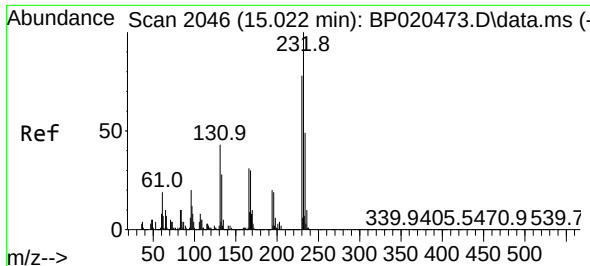


#58  
Fluorene  
Concen: 41.054 ng  
RT: 15.445 min Scan# 2118  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:166 Resp: 1456332  
Ion Ratio Lower Upper  
166 100  
165 97.3 78.2 117.4  
167 13.6 10.7 16.1



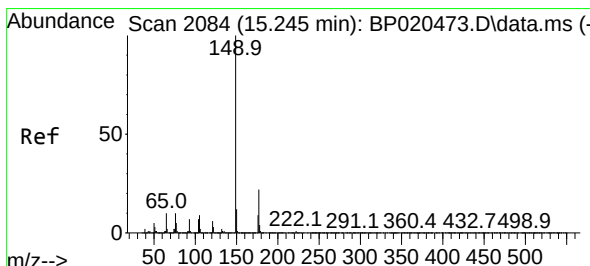
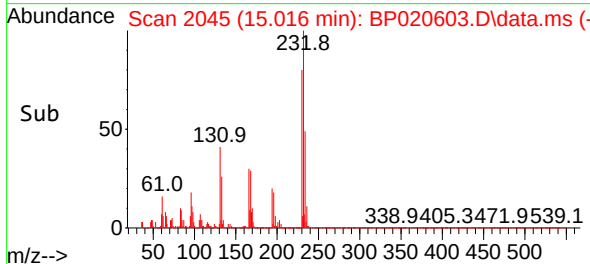
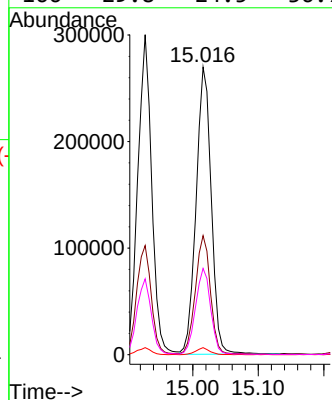
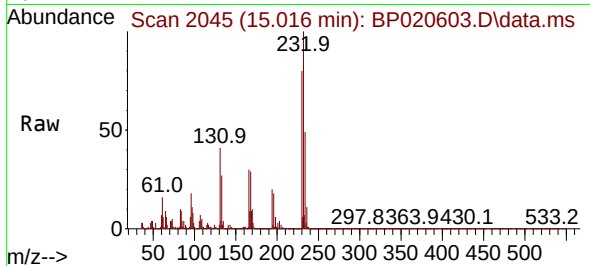




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 49.447 ng  
RT: 15.016 min Scan# 2045  
Delta R.T. -0.006 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

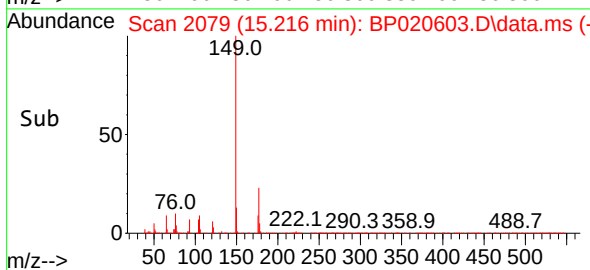
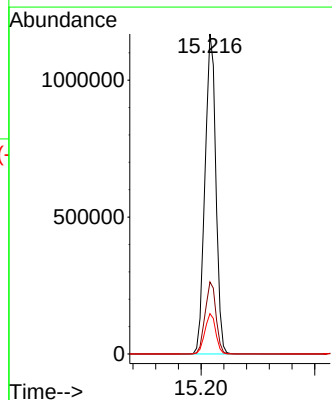
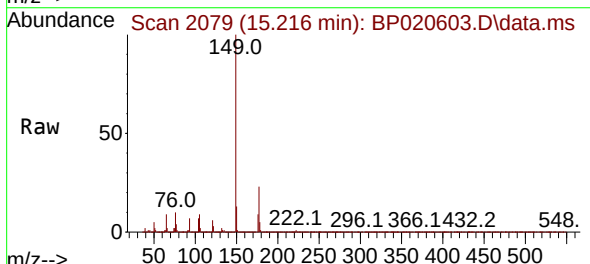
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

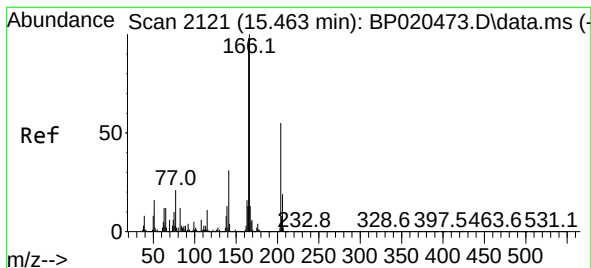
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:232 | Resp: | 433705    |
| Ion Ratio   | Lower | Upper     |
| 232         | 100   |           |
| 131         | 41.2  | 34.8 52.2 |
| 130         | 2.2   | 1.9 2.9   |
| 166         | 29.8  | 24.5 36.7 |



#60  
Diethylphthalate  
Concen: 40.649 ng  
RT: 15.216 min Scan# 2079  
Delta R.T. -0.030 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 1547236   |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 22.5  | 17.8 26.8 |
| 150         | 12.6  | 9.8 14.8  |

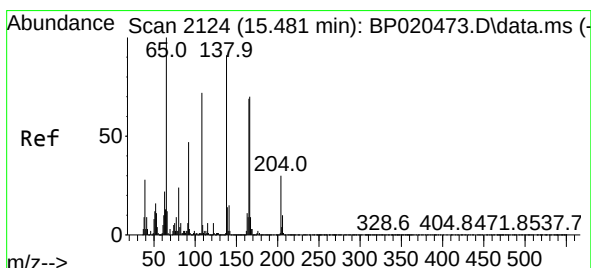
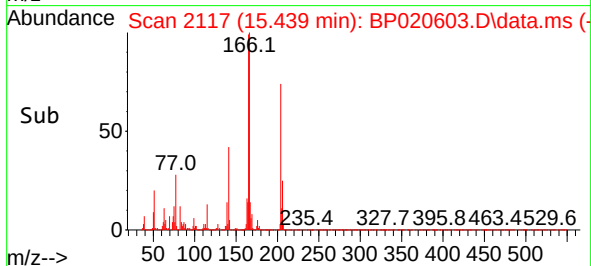
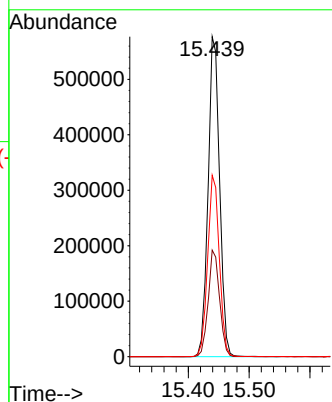
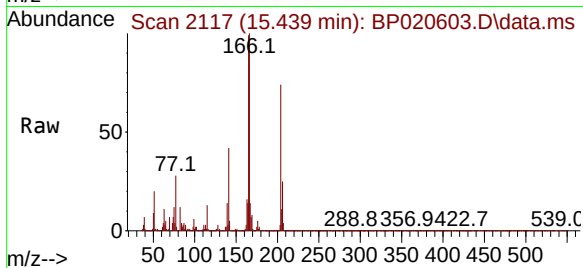




#61  
4-Chlorophenyl-phenylether  
Concen: 41.367 ng  
RT: 15.439 min Scan# 2117  
Delta R.T. -0.024 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

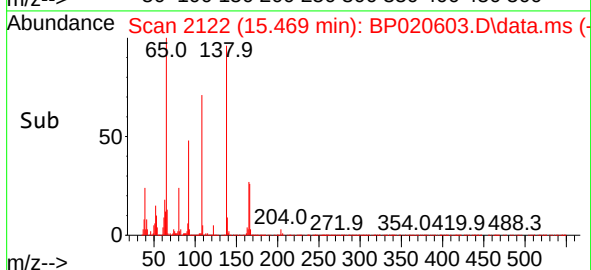
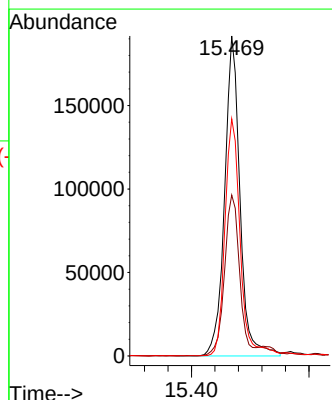
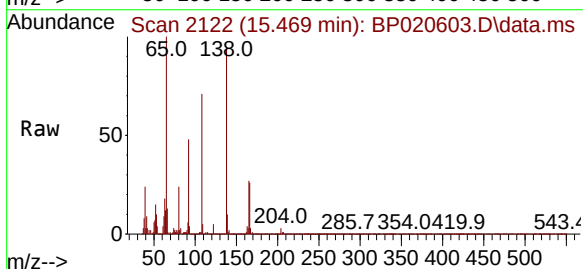
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

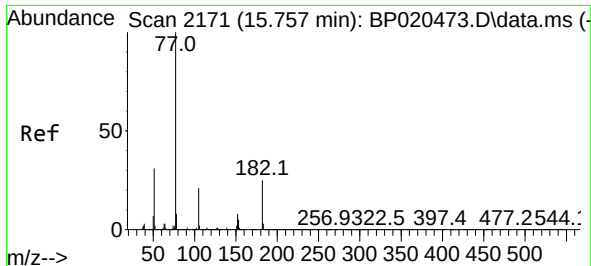
Tgt Ion:204 Resp: 757253  
Ion Ratio Lower Upper  
204 100  
206 33.3 27.0 40.4  
141 56.7 45.0 67.6



#62  
4-Nitroaniline  
Concen: 42.032 ng  
RT: 15.469 min Scan# 2122  
Delta R.T. -0.012 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:138 Resp: 347590  
Ion Ratio Lower Upper  
138 100  
92 50.3 31.7 71.7  
108 74.1 59.9 99.9

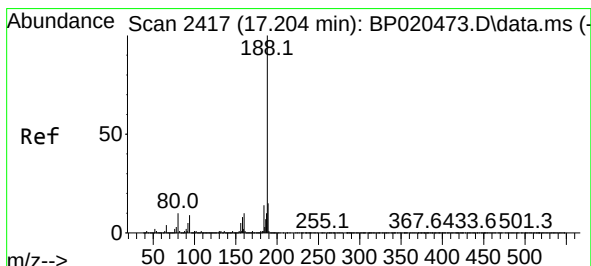
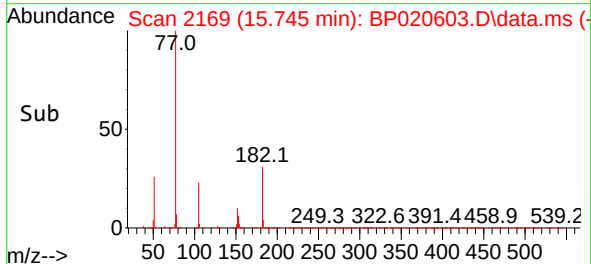
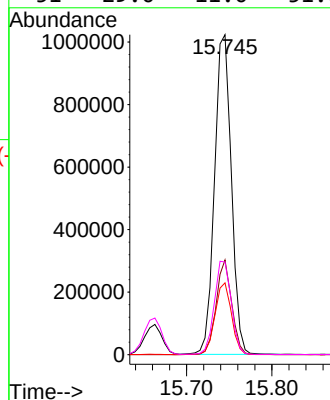
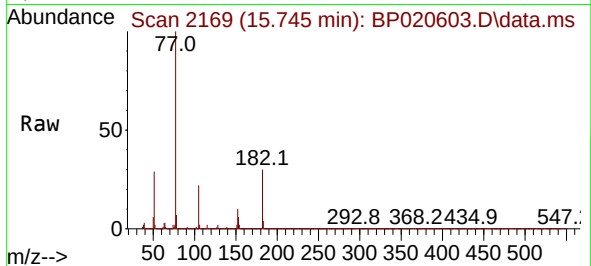




#63  
Azobenzene  
Concen: 39.434 ng  
RT: 15.745 min Scan# 2171  
Delta R.T. -0.012 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

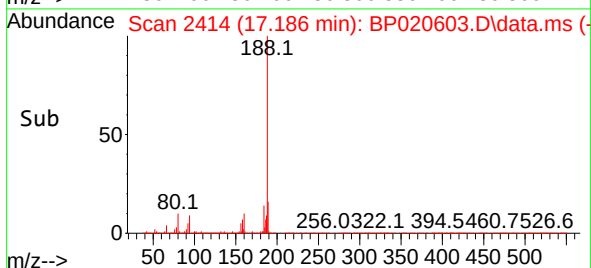
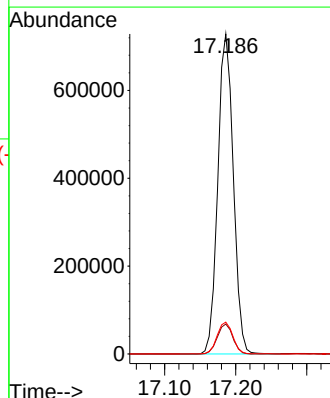
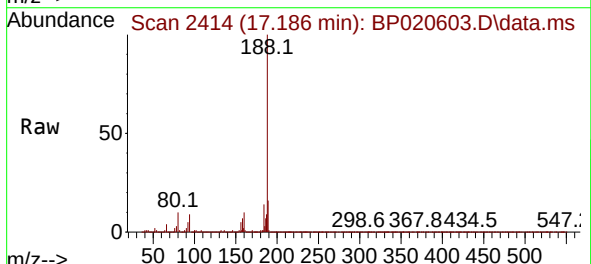
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

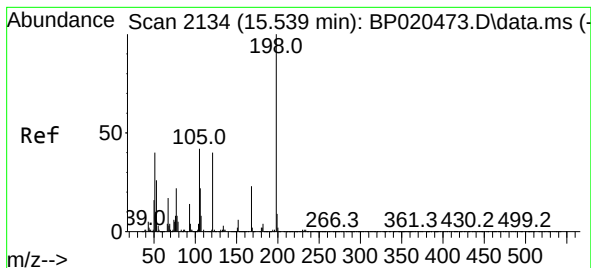
Tgt Ion: 77 Resp: 1401551  
Ion Ratio Lower Upper  
77 100  
182 29.6 4.6 44.6  
105 22.4 1.2 41.2  
51 29.0 11.0 51.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.186 min Scan# 2414  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:188 Resp: 1100028  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.2 10.8  
80 10.0 8.1 12.1

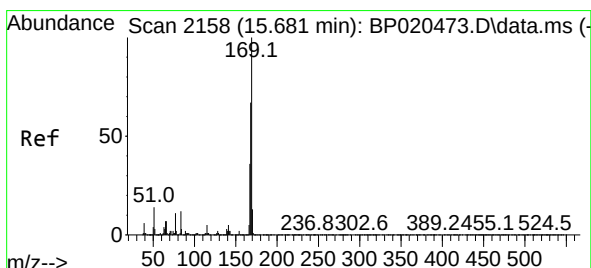
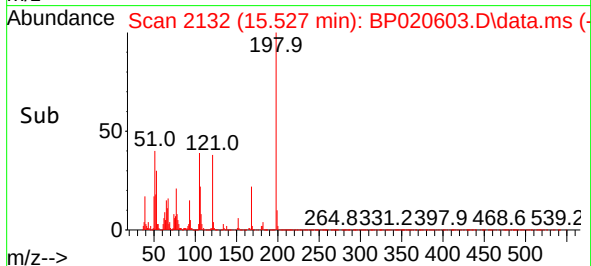
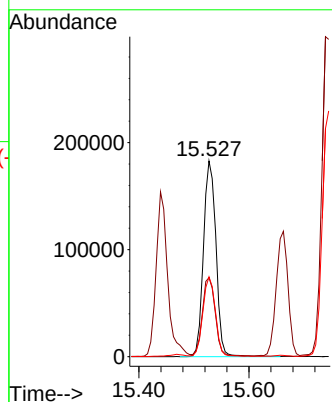
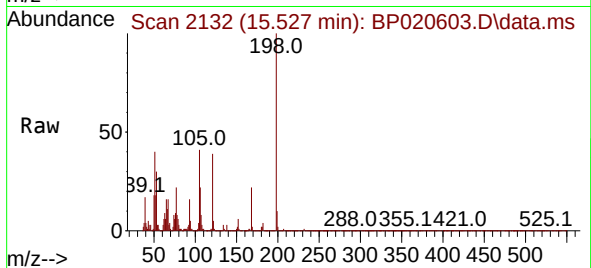




#65  
4,6-Dinitro-2-methylphenol  
Concen: 57.334 ng  
RT: 15.527 min Scan# 2132  
Delta R.T. -0.012 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

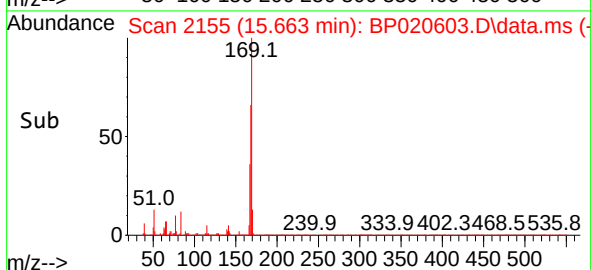
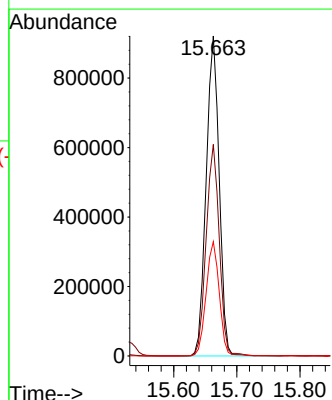
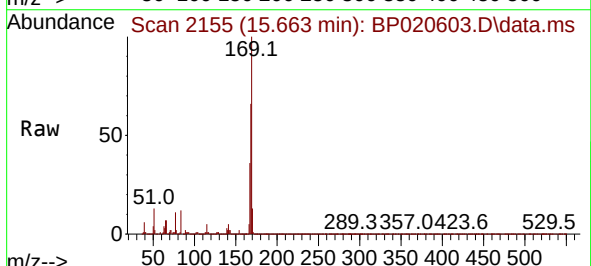
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

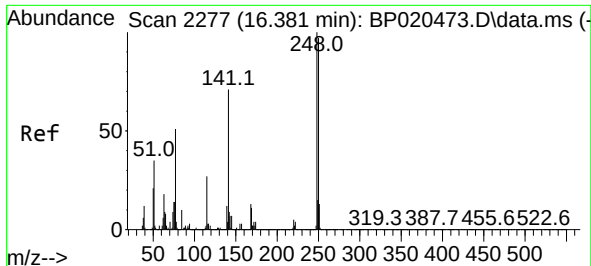
Tgt Ion:198 Resp: 288250  
Ion Ratio Lower Upper  
198 100  
51 40.4 24.8 64.8  
105 40.8 23.2 63.2



#66  
n-Nitrosodiphenylamine  
Concen: 43.530 ng  
RT: 15.663 min Scan# 2155  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:169 Resp: 1316487  
Ion Ratio Lower Upper  
169 100  
168 66.1 53.4 80.0  
167 35.7 28.7 43.1

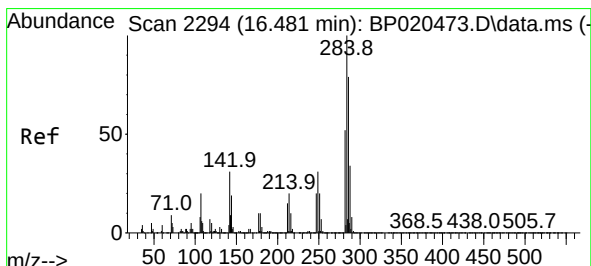
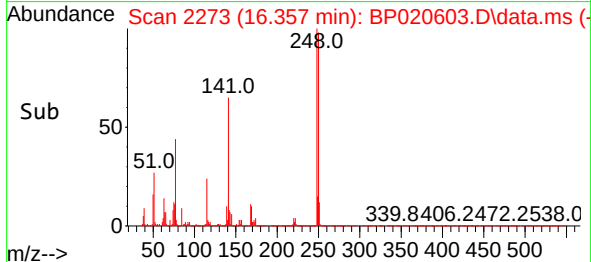
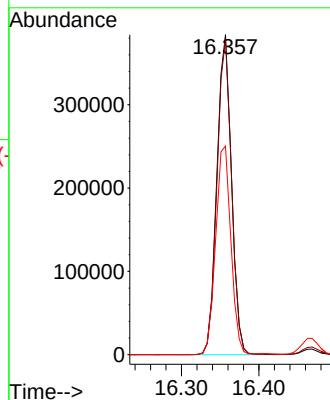
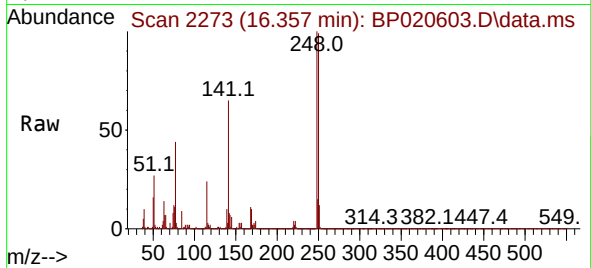




#67  
4-Bromophenyl-phenylether  
Concen: 44.715 ng  
RT: 16.357 min Scan# 21  
Delta R.T. -0.024 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

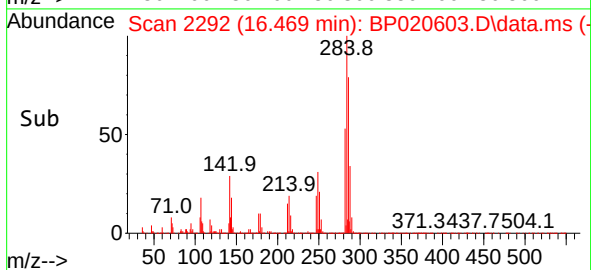
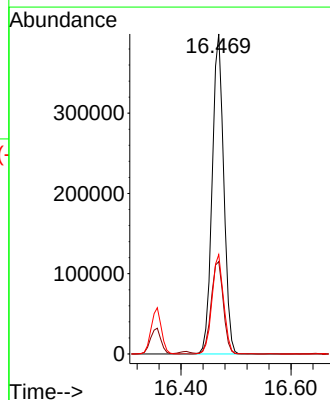
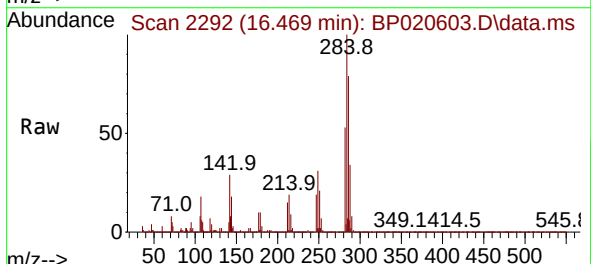
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

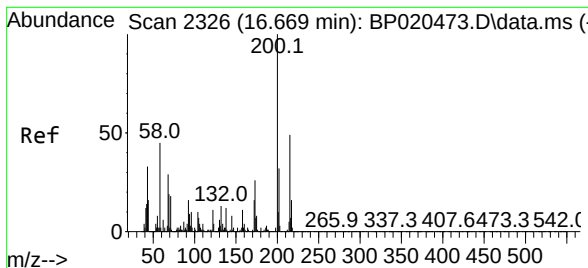
Tgt Ion:248 Resp: 503220  
Ion Ratio Lower Upper  
248 100  
250 98.5 77.4 116.0  
141 65.2 56.5 84.7



#68  
Hexachlorobenzene  
Concen: 43.937 ng  
RT: 16.469 min Scan# 2292  
Delta R.T. -0.012 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:284 Resp: 581944  
Ion Ratio Lower Upper  
284 100  
142 28.9 24.5 36.7  
249 31.0 25.3 37.9





#69

Atrazine

Concen: 46.180 ng

RT: 16.645 min Scan# 21

Delta R.T. -0.024 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

PB161451BS

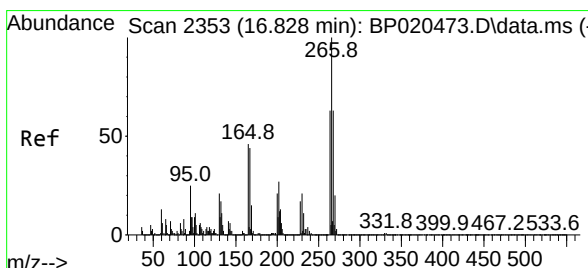
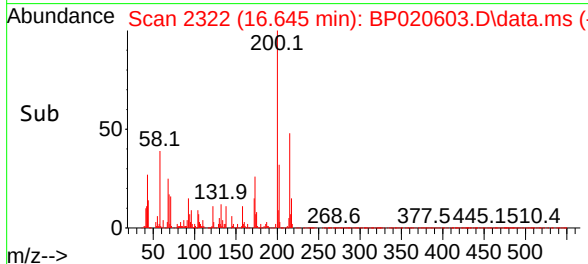
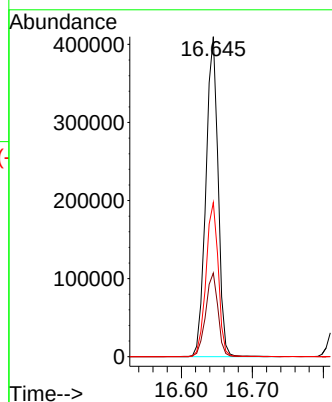
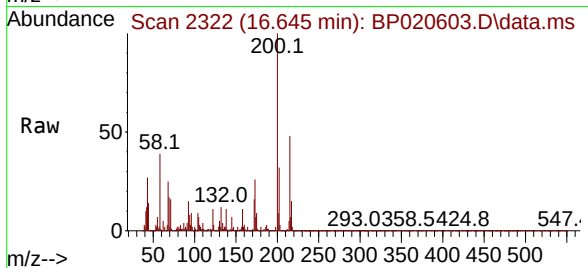
Tgt Ion:200 Resp: 491357

Ion Ratio Lower Upper

200 100

173 26.1 6.1 46.1

215 48.1 28.7 68.7



#70

Pentachlorophenol

Concen: 96.699 ng

RT: 16.827 min Scan# 2353

Delta R.T. -0.001 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

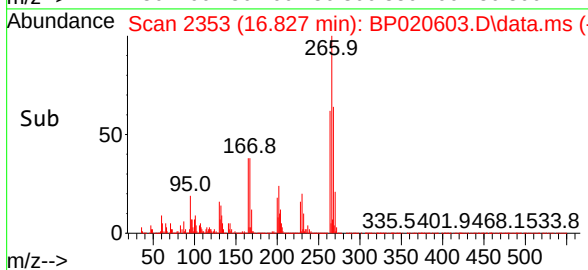
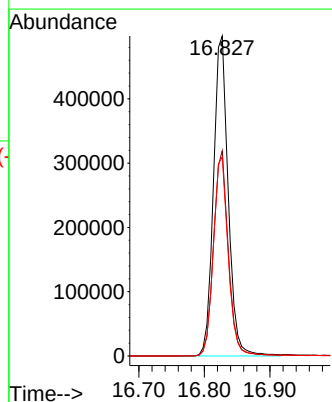
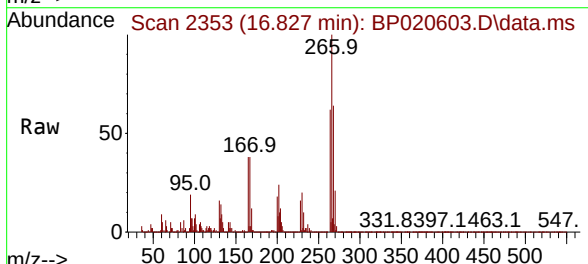
Tgt Ion:266 Resp: 777870

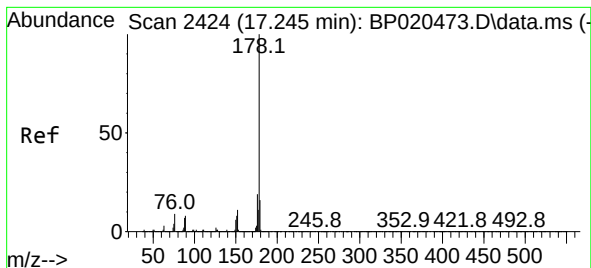
Ion Ratio Lower Upper

266 100

268 64.1 50.1 75.1

264 62.2 50.6 76.0





#71

Phenanthrene

Concen: 44.661 ng

RT: 17.233 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

PB161451BS

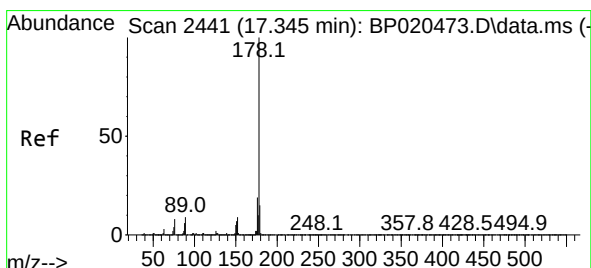
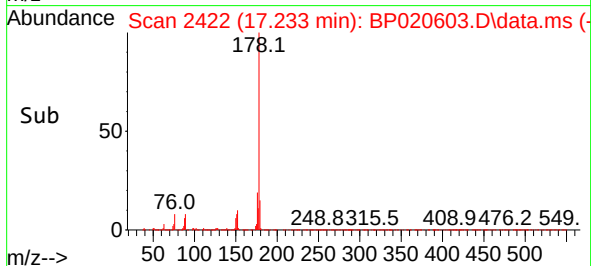
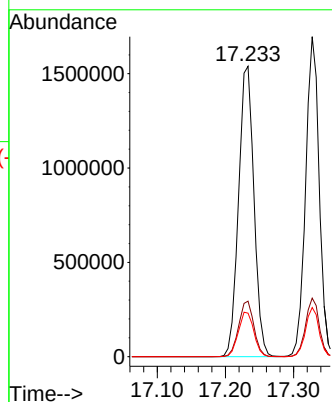
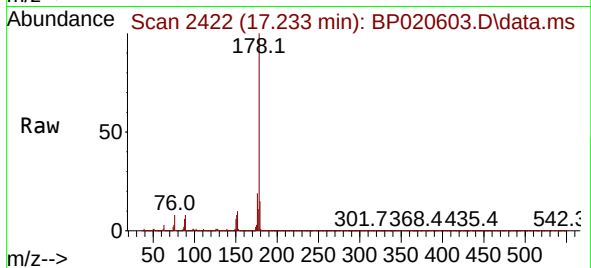
Tgt Ion:178 Resp: 2415023

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.0 12.5 18.7



#72

Anthracene

Concen: 44.273 ng

RT: 17.327 min Scan# 2438

Delta R.T. -0.018 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

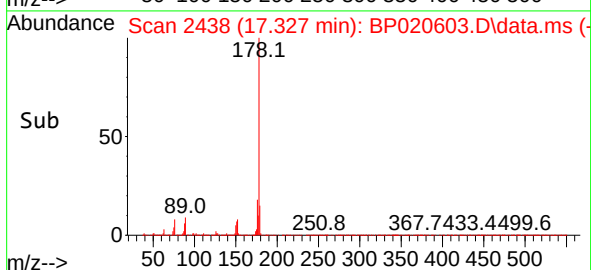
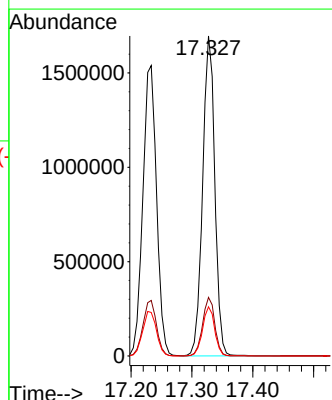
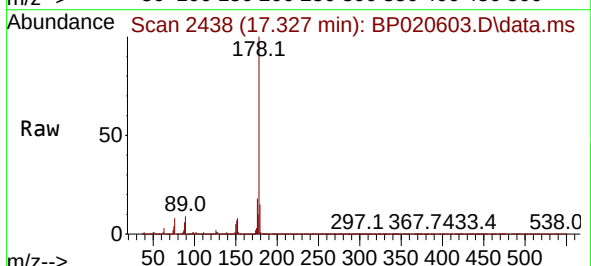
Tgt Ion:178 Resp: 2349184

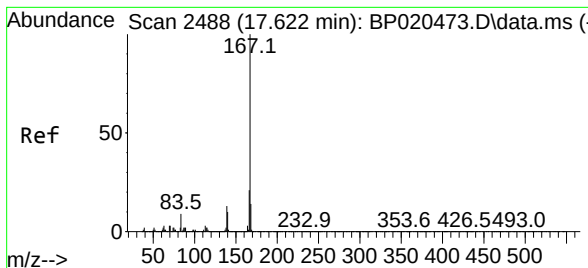
Ion Ratio Lower Upper

178 100

176 18.3 14.8 22.2

179 15.4 12.2 18.4





#73

Carbazole

Concen: 43.678 ng

RT: 17.610 min Scan# 24

Delta R.T. -0.012 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

PB161451BS

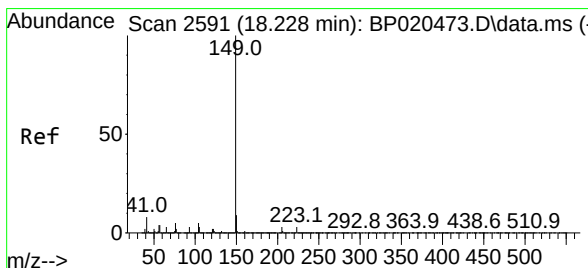
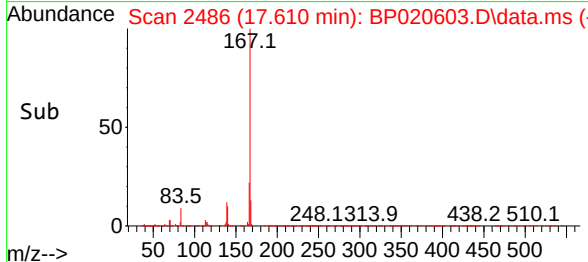
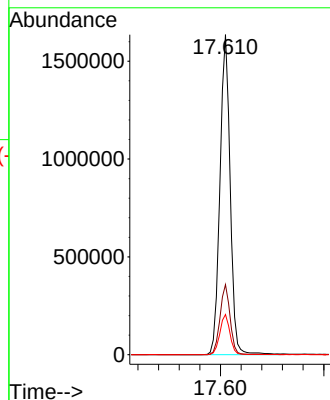
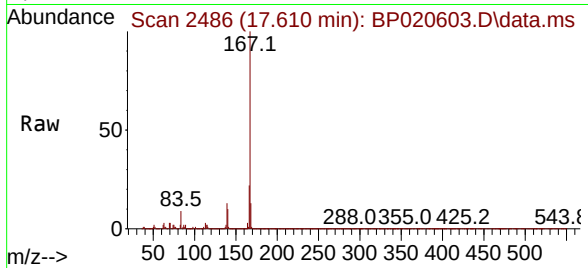
Tgt Ion:167 Resp: 2241767

Ion Ratio Lower Upper

167 100

166 21.9 17.1 25.7

139 12.5 10.5 15.7



#74

Di-n-butylphthalate

Concen: 44.515 ng

RT: 18.204 min Scan# 2587

Delta R.T. -0.024 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

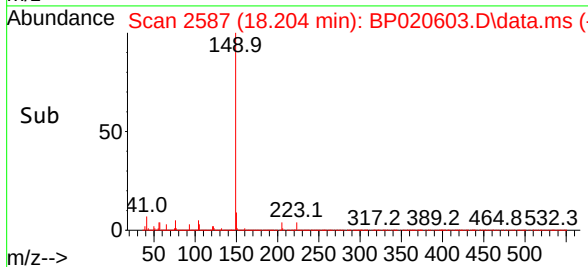
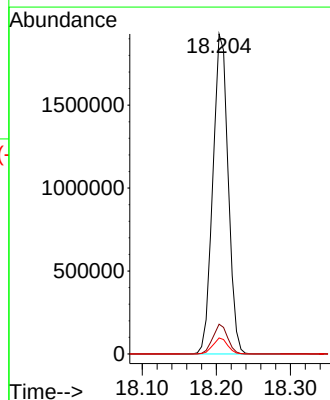
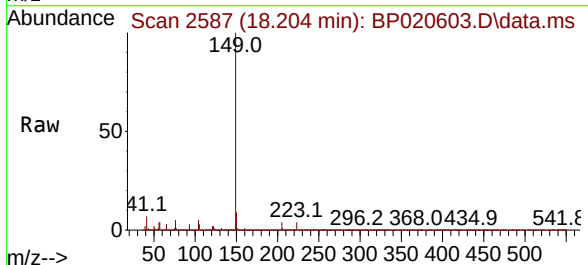
Tgt Ion:149 Resp: 2766830

Ion Ratio Lower Upper

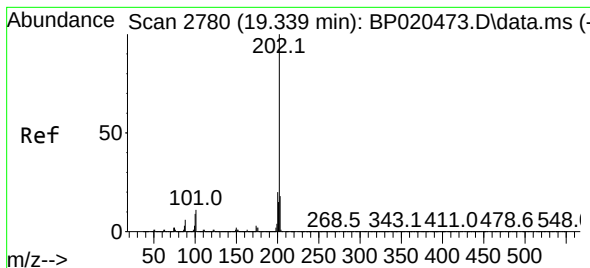
149 100

150 9.3 7.4 11.2

104 5.0 4.2 6.2







#75

Fluoranthene

Concen: 45.156 ng

RT: 19.321 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

PB161451BS

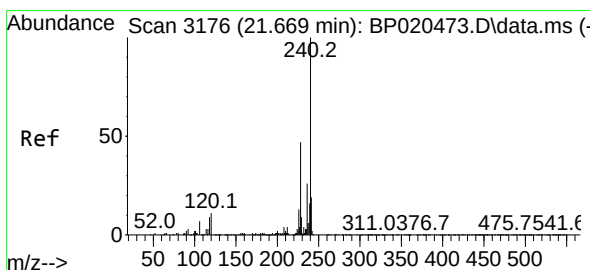
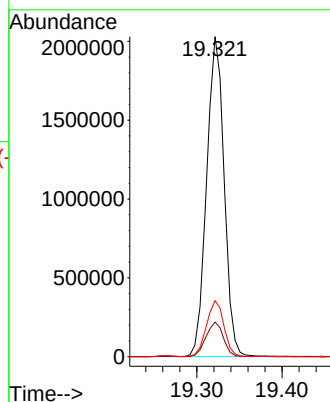
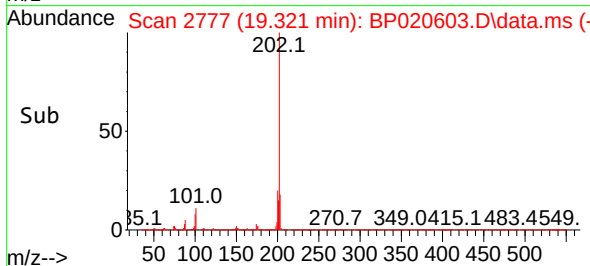
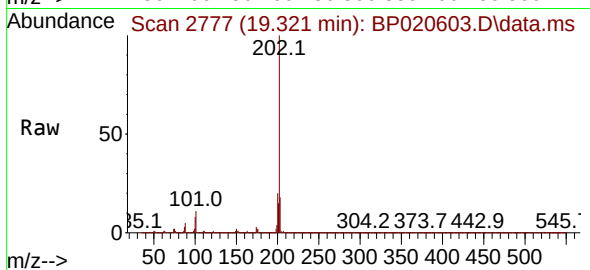
Tgt Ion:202 Resp: 2888747

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.4

203 17.5 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.639 min Scan# 3171

Delta R.T. -0.030 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

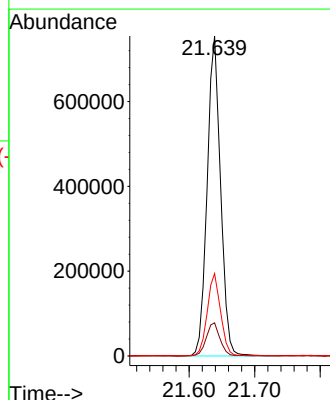
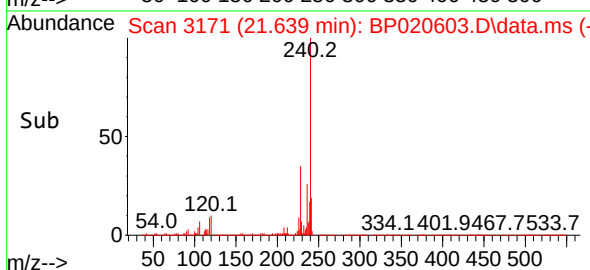
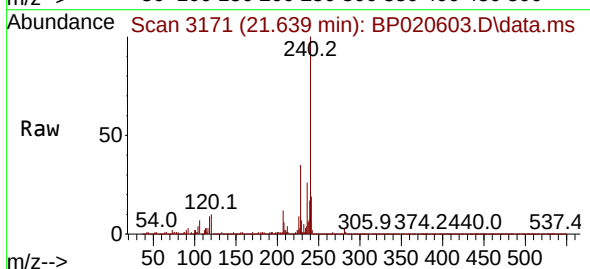
Tgt Ion:240 Resp: 1072704

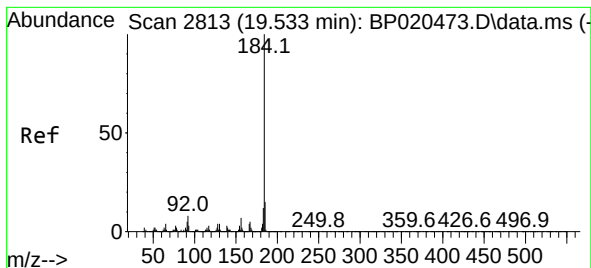
Ion Ratio Lower Upper

240 100

120 10.4 8.5 12.7

236 25.7 20.5 30.7





#77

Benzidine

Concen: 11.745 ng

RT: 19.533 min Scan# 2813

Delta R.T. 0.000 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

PB161451BS

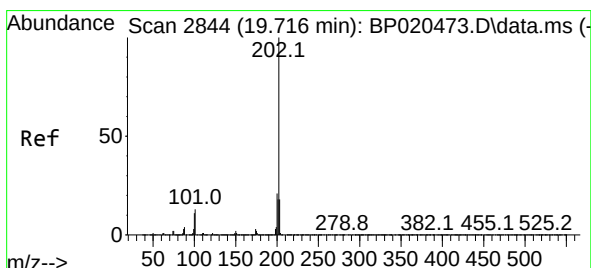
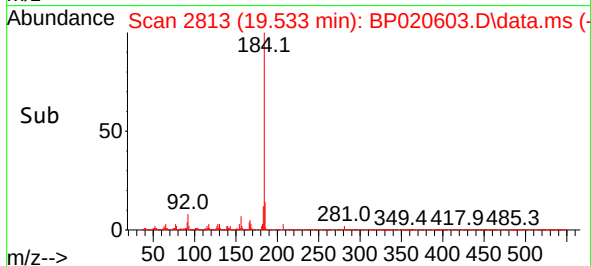
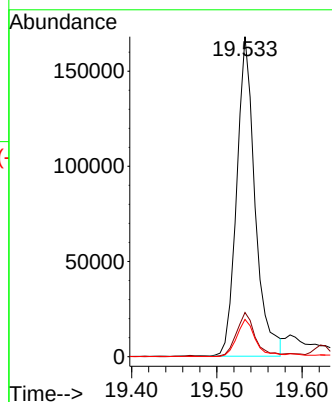
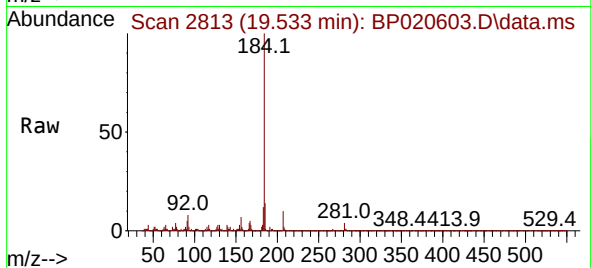
Tgt Ion:184 Resp: 251496

Ion Ratio Lower Upper

184 100

185 13.8 12.0 18.0

183 11.6 9.4 14.0



#78

Pyrene

Concen: 37.542 ng

RT: 19.704 min Scan# 2842

Delta R.T. -0.012 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

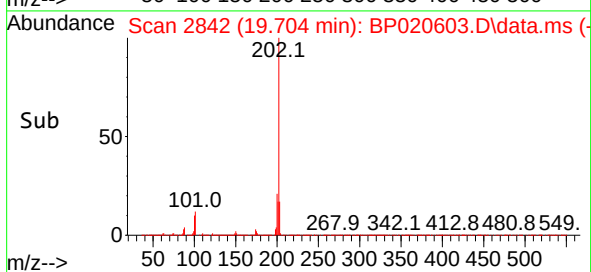
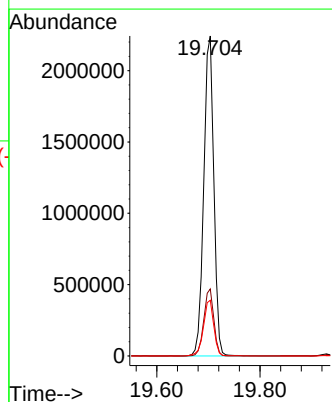
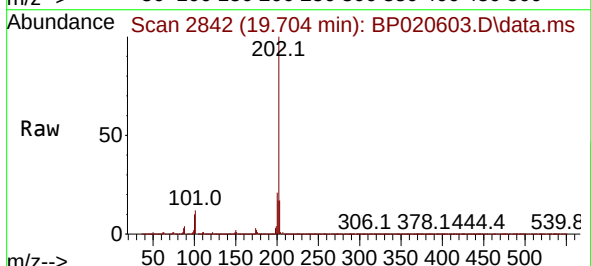
Tgt Ion:202 Resp: 3029185

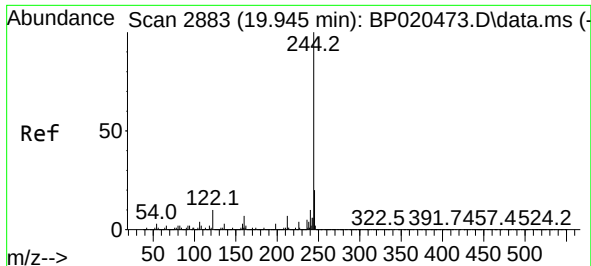
Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 17.4 14.1 21.1

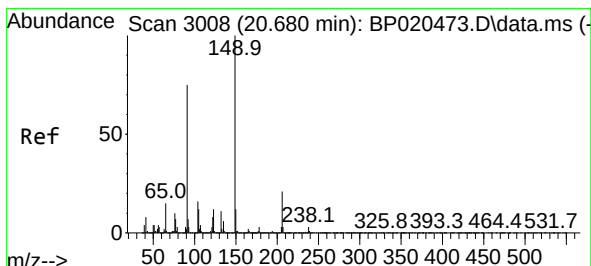
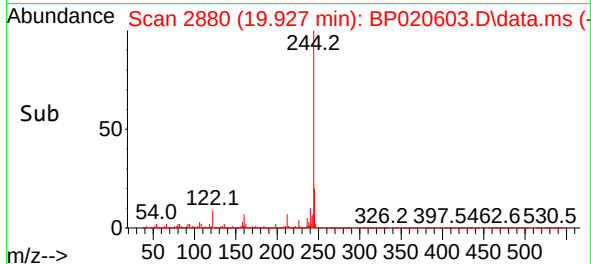
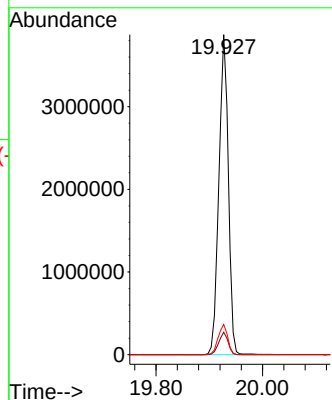
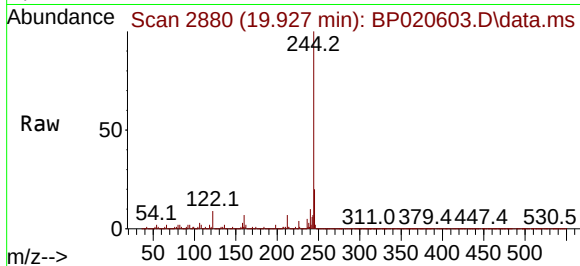




#79  
 Terphenyl-d14  
 Concen: 73.822 ng  
 RT: 19.927 min Scan# 21  
 Delta R.T. -0.018 min  
 Lab File: BP020603.D  
 Acq: 12 Jun 2024 16:40

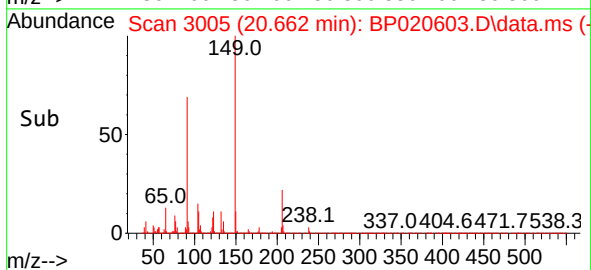
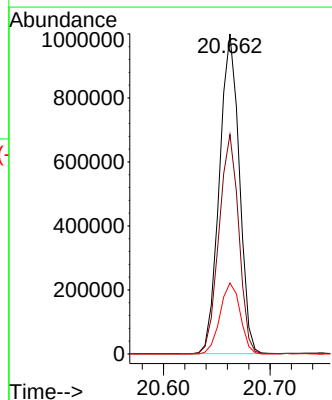
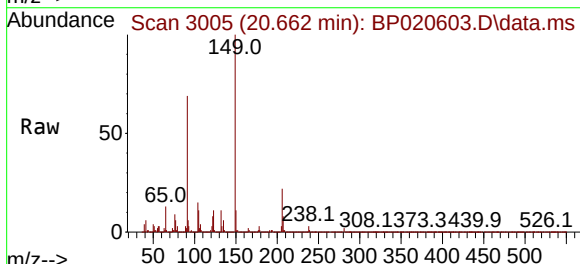
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB161451BS

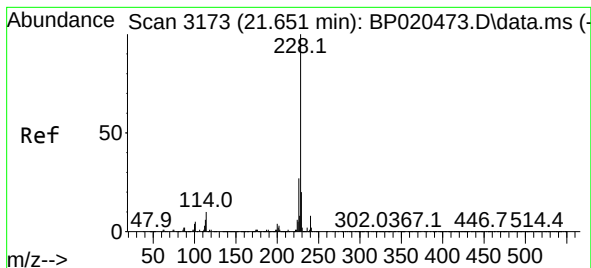
Tgt Ion:244 Resp: 4756888  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.8 8.8  
 122 9.5 8.2 12.2



#80  
 Butylbenzylphthalate  
 Concen: 40.195 ng  
 RT: 20.662 min Scan# 3005  
 Delta R.T. -0.018 min  
 Lab File: BP020603.D  
 Acq: 12 Jun 2024 16:40

Tgt Ion:149 Resp: 1292556  
 Ion Ratio Lower Upper  
 149 100  
 91 68.6 60.0 90.0  
 206 22.1 16.6 25.0





#81

Benzo(a)anthracene

Concen: 43.465 ng

RT: 21.621 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

PB161451BS

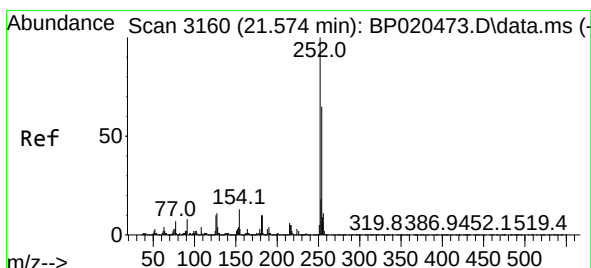
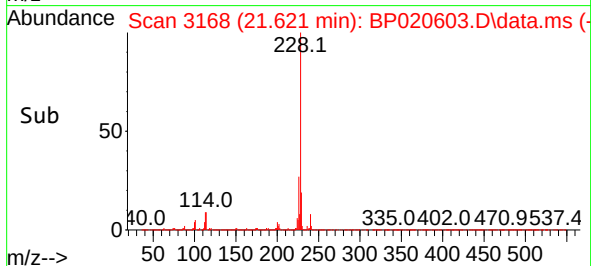
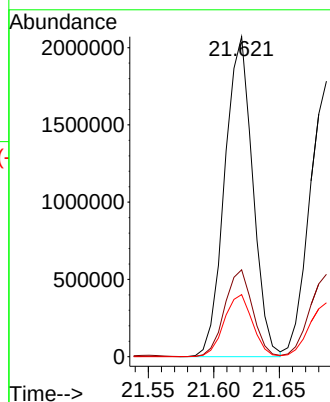
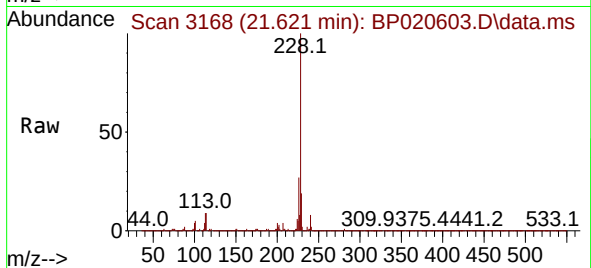
Tgt Ion:228 Resp: 3070002

Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

229 19.4 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 42.787 ng

RT: 21.551 min Scan# 3156

Delta R.T. -0.023 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

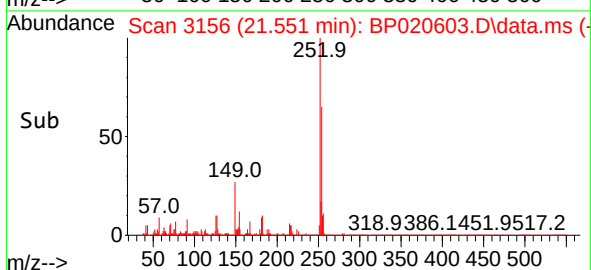
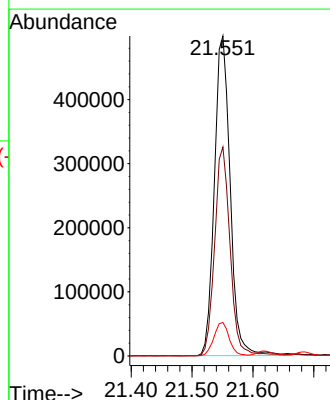
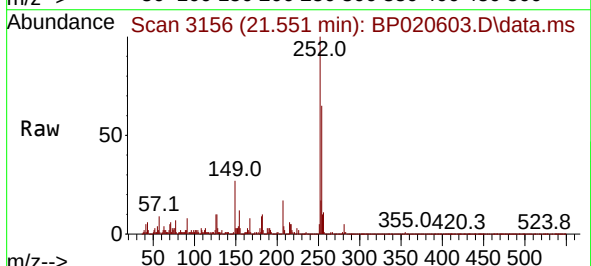
Tgt Ion:252 Resp: 898379

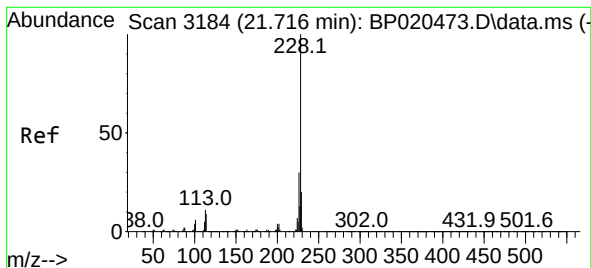
Ion Ratio Lower Upper

252 100

254 65.3 51.7 77.5

126 10.4 8.3 12.5





#83

Chrysene

Concen: 43.887 ng

RT: 21.686 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

PB161451BS

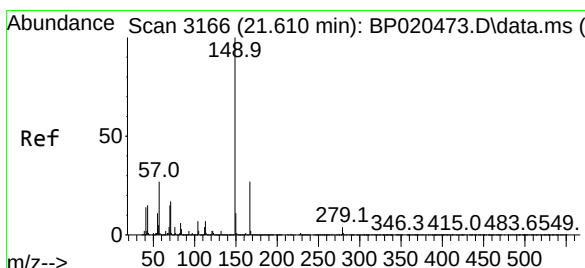
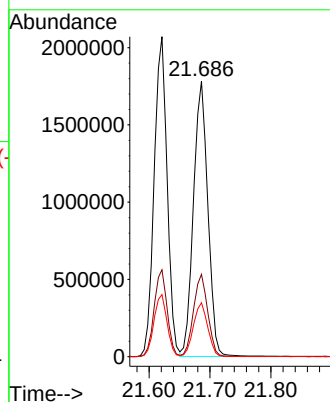
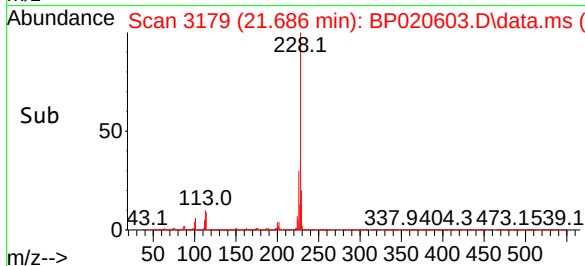
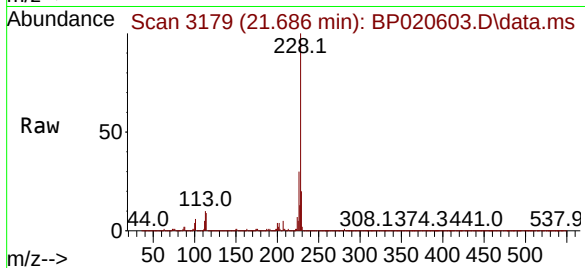
Tgt Ion:228 Resp: 2920909

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.426 ng

RT: 21.574 min Scan# 3160

Delta R.T. -0.036 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

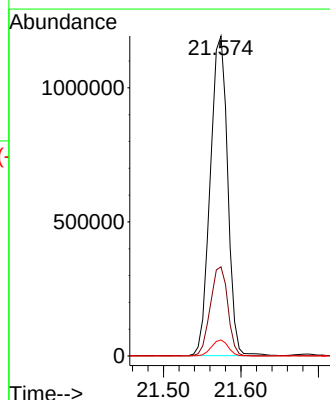
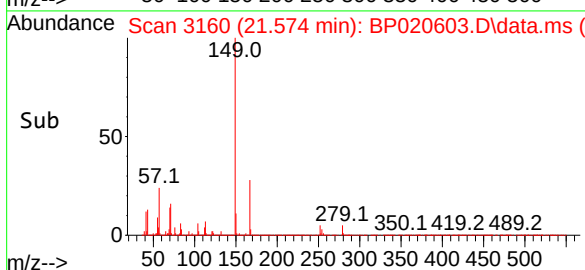
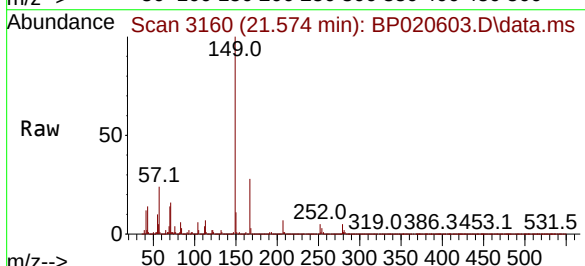
Tgt Ion:149 Resp: 1856405

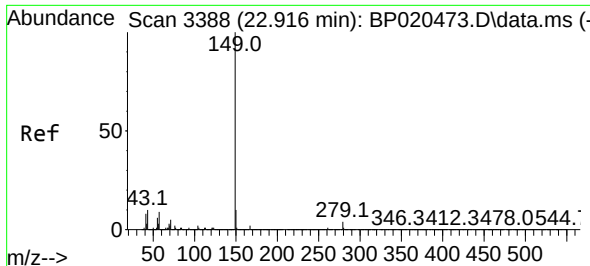
Ion Ratio Lower Upper

149 100

167 27.9 21.8 32.6

279 5.0 3.4 5.0

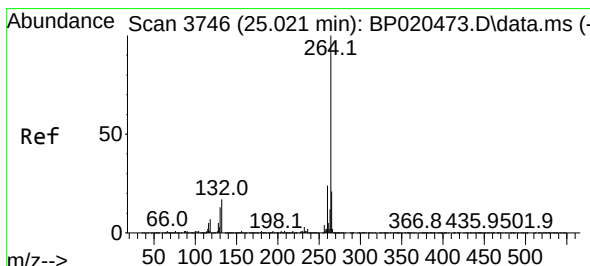
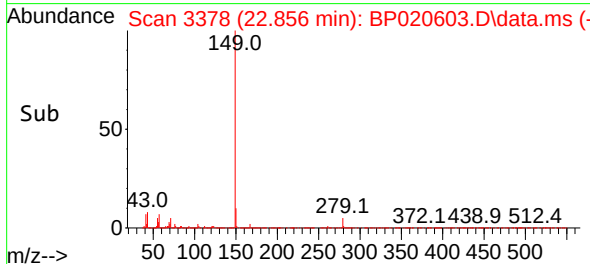
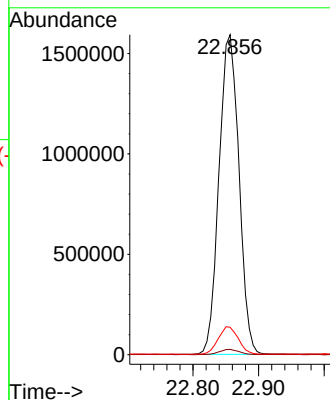
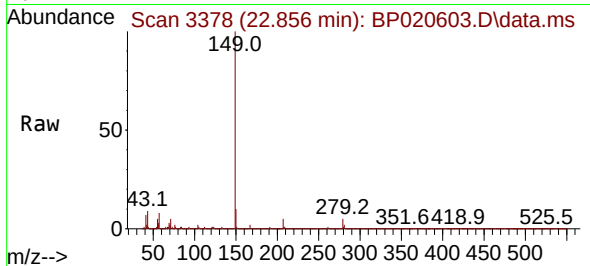




#85  
Di-n-octyl phthalate  
Concen: 50.297 ng  
RT: 22.856 min Scan# 31  
Delta R.T. -0.060 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

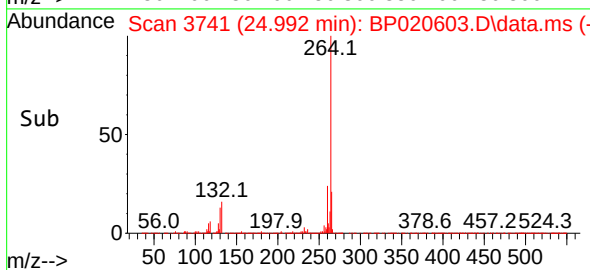
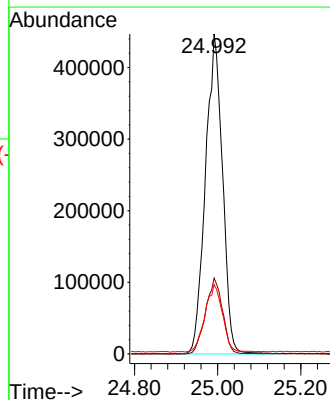
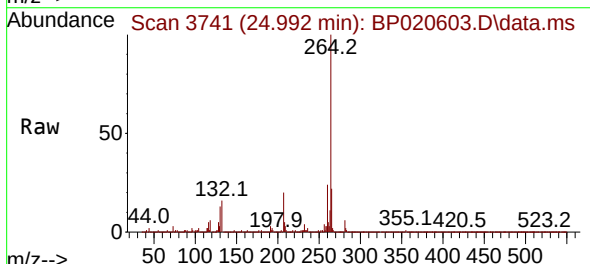
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

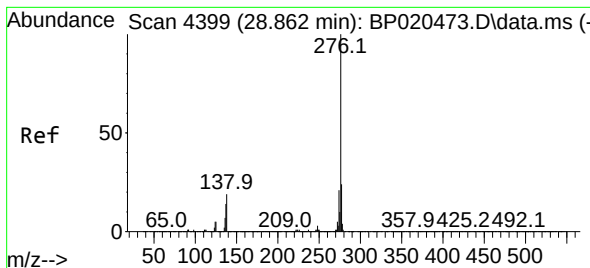
Tgt Ion:149 Resp: 3357041  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.6 8.2 12.2



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.992 min Scan# 3741  
Delta R.T. -0.030 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:264 Resp: 1273728  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.9 28.3  
265 21.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 56.029 ng

RT: 28.803 min Scan# 41

Delta R.T. -0.059 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

PB161451BS

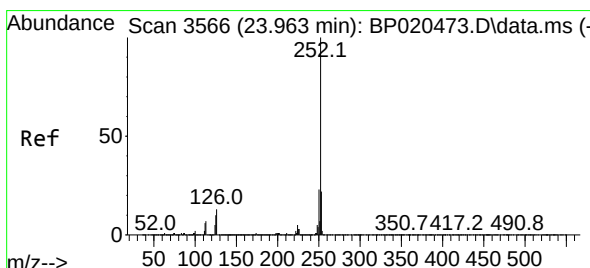
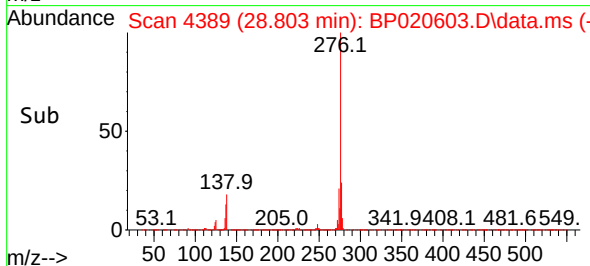
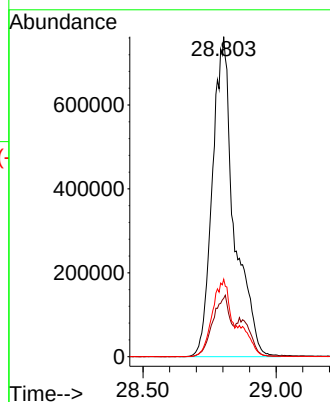
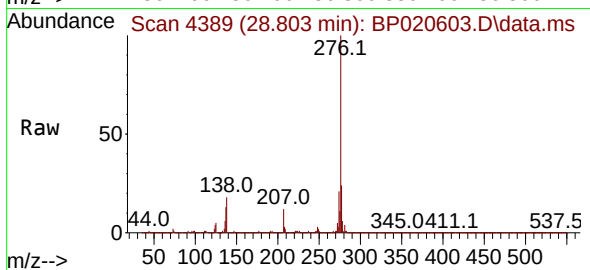
Tgt Ion:276 Resp: 4339692

Ion Ratio Lower Upper

276 100

138 15.6 12.8 19.2

277 20.6 15.6 23.4



#88

Benzo(b)fluoranthene

Concen: 43.078 ng

RT: 23.933 min Scan# 3561

Delta R.T. -0.030 min

Lab File: BP020603.D

Acq: 12 Jun 2024 16:40

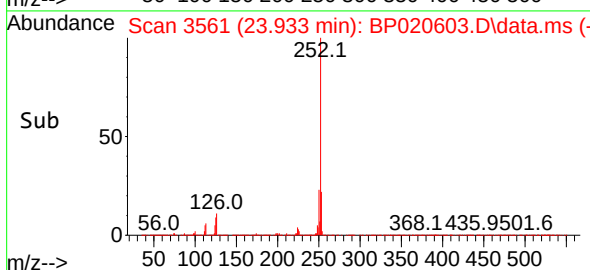
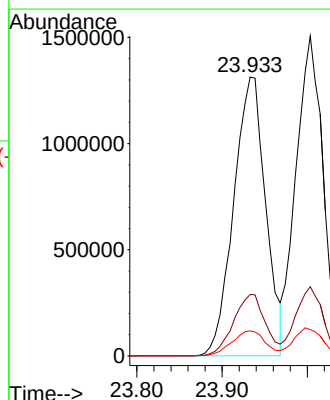
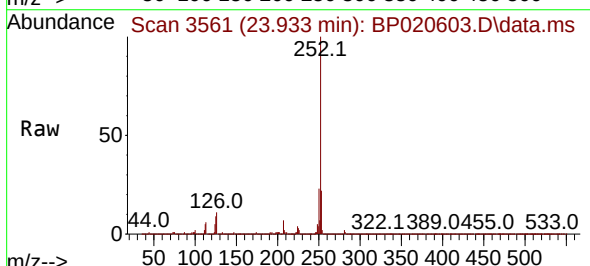
Tgt Ion:252 Resp: 3418281

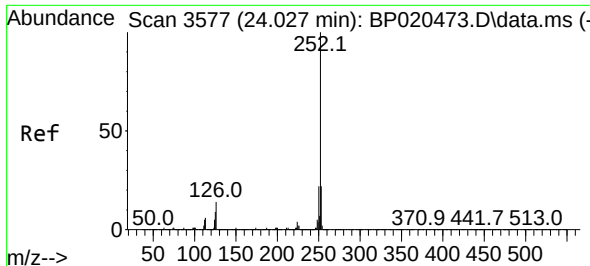
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 9.0 8.0 12.0

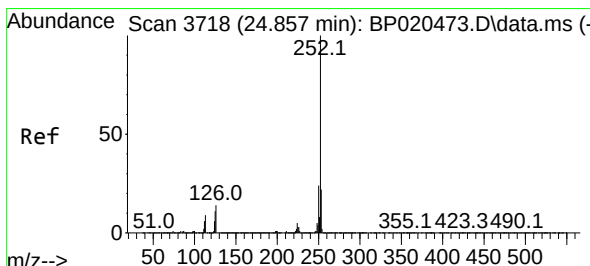
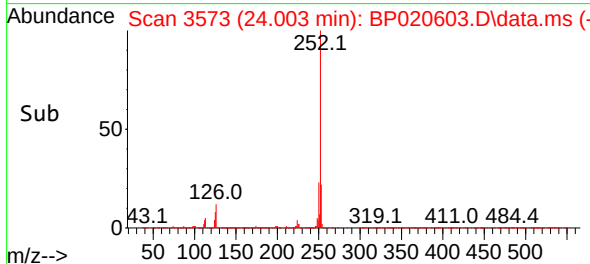
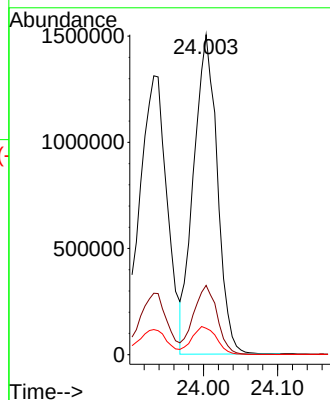
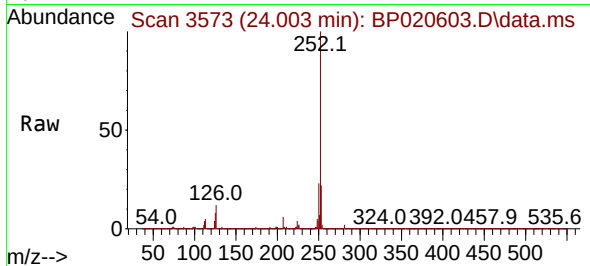




#89  
Benzo(k)fluoranthene  
Concen: 43.069 ng  
RT: 24.003 min Scan# 31  
Delta R.T. -0.024 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

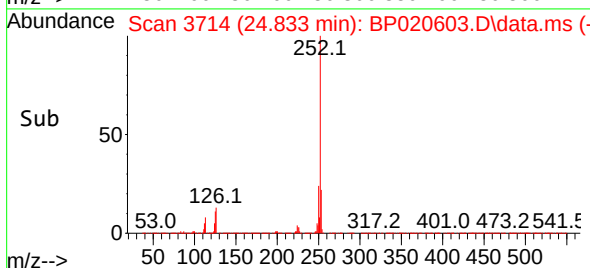
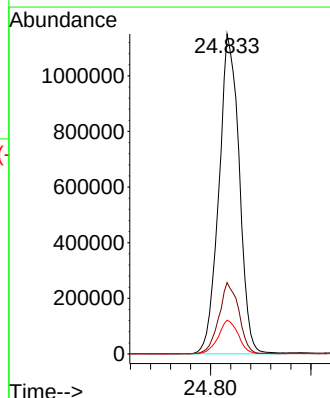
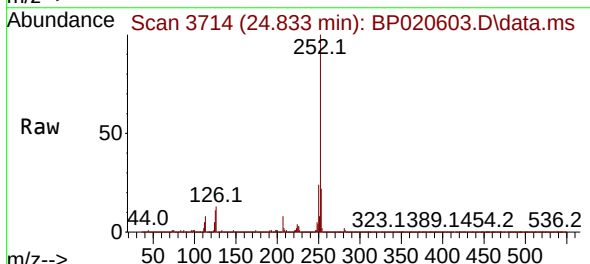
Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

Tgt Ion:252 Resp: 3333238  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.7 26.5  
125 8.3 7.8 11.6

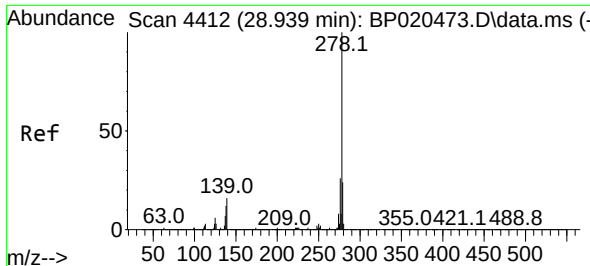


#90  
Benzo(a)pyrene  
Concen: 49.082 ng  
RT: 24.833 min Scan# 3714  
Delta R.T. -0.024 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:252 Resp: 3225491  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.4 26.2  
125 10.6 8.9 13.3





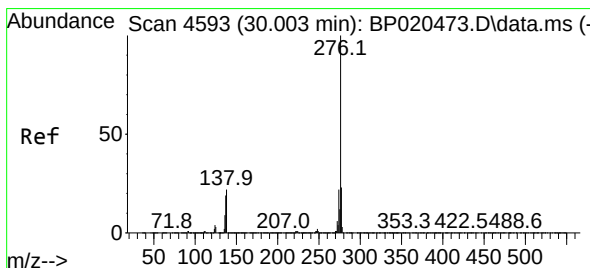
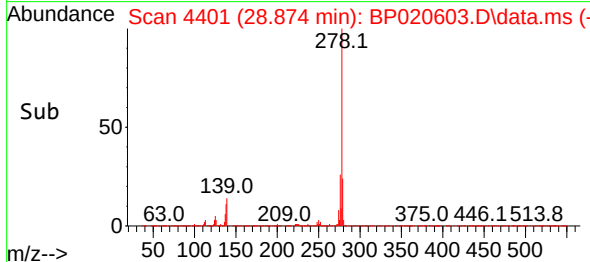
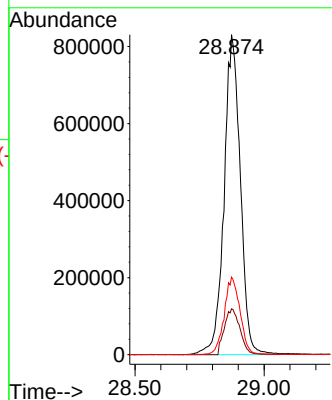
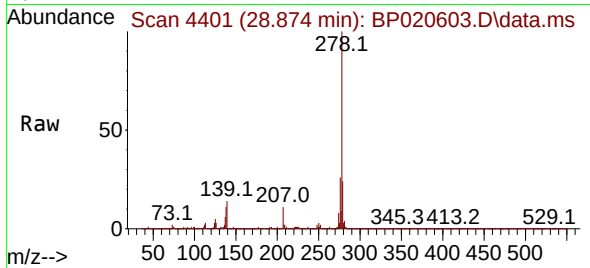


#91  
Dibenzo(a,h)anthracene  
Concen: 56.340 ng  
RT: 28.874 min Scan# 4412  
Delta R.T. -0.065 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Instrument :  
BNA\_P  
ClientSampleId :  
PB161451BS

Tgt Ion:278 Resp: 3639797  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 14.3  | 13.0  | 19.4  |
| 279 | 24.3  | 19.2  | 28.8  |



#92  
Benzo(g,h,i)perylene  
Concen: 53.527 ng  
RT: 29.985 min Scan# 4590  
Delta R.T. -0.018 min  
Lab File: BP020603.D  
Acq: 12 Jun 2024 16:40

Tgt Ion:276 Resp: 3456497  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.2  | 18.7  | 28.1  |
| 138 | 18.9  | 17.7  | 26.5  |

