

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042225\  
 Data File : BP024377.D  
 Acq On : 22 Apr 2025 13:56  
 Operator : RC/JU  
 Sample : PB167689BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB167689BS

Quant Time: Apr 22 14:15:54 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 18 12:04:48 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 273453   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.498 | 136  | 1074031  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.351 | 164  | 616298   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.151 | 188  | 1105871  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.604 | 240  | 1129890  | 20.000  | ng    | 0.01     |
| 86) Perylene-d12              | 24.945 | 264  | 1348858  | 20.000  | ng    | 0.01     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.346  | 112  | 2251355  | 136.130 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.910  | 99   | 2745343  | 121.231 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.869  | 82   | 1686020  | 89.512  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.869 | 330  | 1153297  | 135.255 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.957 | 172  | 3644618  | 90.546  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.880 | 244  | 4963460  | 88.544  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.293  | 88   | 252303   | 36.067  | ng    | 96       |
| 3) Pyridine                   | 3.687  | 79   | 669238   | 36.230  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.593  | 42   | 277957   | 45.341  | ng    | 90       |
| 6) Aniline                    | 7.063  | 93   | 877105   | 43.344  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.299  | 128  | 830254   | 44.964  | ng    | 98       |
| 9) Benzaldehyde               | 6.875  | 77   | 408096   | 36.431  | ng    | 98       |
| 10) Phenol                    | 6.934  | 94   | 985443   | 43.379  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.152  | 93   | 758339   | 41.432  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.610  | 146  | 868397   | 43.685  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.757  | 146  | 888003   | 44.027  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.069  | 146  | 845175   | 43.396  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.963  | 79   | 659329   | 45.021  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.240  | 45   | 857118   | 43.324  | ng    | 99       |
| 17) 2-Methylphenol            | 8.163  | 107  | 674363   | 45.889  | ng    | 98       |
| 18) Hexachloroethane          | 8.787  | 117  | 330941   | 45.403  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.522  | 70   | 553491   | 39.507  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.493  | 107  | 887250   | 43.512  | ng    | 99       |
| 22) Acetophenone              | 8.534  | 105  | 1141571  | 42.944  | ng    | # 99     |
| 24) Nitrobenzene              | 8.910  | 77   | 838925   | 45.023  | ng    | 99       |
| 25) Isophorone                | 9.434  | 82   | 1539939  | 45.168  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.616  | 139  | 428520   | 46.994  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.681  | 122  | 729797   | 63.740  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 9.910  | 93   | 978751   | 42.496  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.151 | 162  | 716991   | 45.927  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.357 | 180  | 758970   | 45.375  | ng    | 99       |
| 31) Naphthalene               | 10.545 | 128  | 2380570  | 42.077  | ng    | 100      |
| 32) Benzoic acid              | 9.840  | 122  | 502543   | 37.668  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.651 | 127  | 404414   | 20.298  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.828 | 225  | 468300   | 47.645  | ng    | 100      |
| 35) Caprolactam               | 11.451 | 113  | 190150   | 33.010  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 11.787 | 107  | 776173   | 42.685  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.151 | 142  | 1462651  | 37.278  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.375 | 142  | 1560607  | 40.658  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.522 | 216  | 792156   | 46.740  | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 12.504 | 237  | 1189932  | 198.515 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.775 | 196  | 546717   | 48.519  | ng    | 96       |

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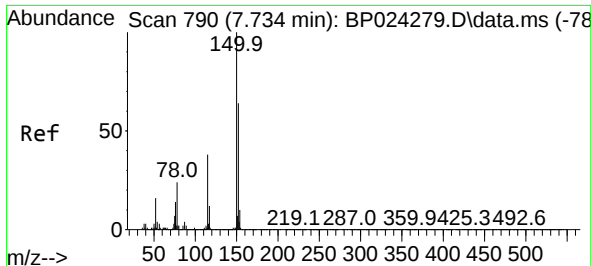
Quant Time: Apr 22 14:15:54 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 18 12:04:48 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.845 | 196  | 599108   | 48.013  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.169 | 154  | 2014318  | 44.465  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.210 | 162  | 1544814  | 45.627  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.422 | 65   | 452272   | 47.622  | ng    | 95       |
| 49) Acenaphthylene            | 14.069 | 152  | 2545203  | 47.747  | ng    | 100      |
| 50) Dimethylphthalate         | 13.810 | 163  | 1924444  | 42.939  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.922 | 165  | 425444   | 44.703  | ng    | 95       |
| 52) Acenaphthene              | 14.416 | 154  | 1464655  | 43.340  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.257 | 138  | 328988   | 32.890  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.469 | 184  | 536380   | 95.680  | ng    | 96       |
| 55) Dibenzofuran              | 14.757 | 168  | 2270901  | 41.110  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.586 | 139  | 769391   | 89.062  | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.728 | 165  | 597944   | 46.058  | ng    | 100      |
| 58) Fluorene                  | 15.416 | 166  | 1841968  | 43.074  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 14.992 | 232  | 508781   | 44.209  | ng    | 98       |
| 60) Diethylphthalate          | 15.186 | 149  | 1907738  | 41.305  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.410 | 204  | 888765   | 42.800  | ng    | 98       |
| 62) 4-Nitroaniline            | 15.439 | 138  | 453828   | 42.859  | ng    | 93       |
| 63) Azobenzene                | 15.710 | 77   | 1757631  | 41.404  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.504 | 198  | 329825   | 47.306  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.633 | 169  | 1590725  | 48.193  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.328 | 248  | 583126   | 48.213  | ng    | 99       |
| 68) Hexachlorobenzene         | 16.439 | 284  | 693731   | 48.270  | ng    | 97       |
| 69) Atrazine                  | 16.616 | 200  | 532913   | 63.391  | ng    | 100      |
| 70) Pentachlorophenol         | 16.804 | 266  | 948793   | 94.631  | ng    | 100      |
| 71) Phenanthrene              | 17.198 | 178  | 2748609  | 45.561  | ng    | 100      |
| 72) Anthracene                | 17.298 | 178  | 2792099  | 48.020  | ng    | 100      |
| 73) Carbazole                 | 17.580 | 167  | 2572283  | 45.277  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.169 | 149  | 3157583  | 44.612  | ng    | 100      |
| 75) Fluoranthene              | 19.292 | 202  | 3110667  | 43.354  | ng    | 99       |
| 77) Benzidine                 | 19.492 | 184  | 1689935  | 117.993 | ng    | 99       |
| 78) Pyrene                    | 19.669 | 202  | 3206398  | 44.654  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.610 | 149  | 1475186  | 47.964  | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.580 | 228  | 3250449  | 46.283  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.498 | 252  | 838608   | 34.021  | ng    | 100      |
| 83) Chrysene                  | 21.651 | 228  | 3022588  | 44.923  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.521 | 149  | 2151924  | 47.728  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.798 | 149  | 3687587  | 50.309  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.756 | 276  | 4548196  | 48.569  | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 23.892 | 252  | 3601706  | 44.547  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.962 | 252  | 3494803  | 44.749  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.798 | 252  | 3468066  | 49.727  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.827 | 278  | 3729539  | 47.983  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.933 | 276  | 3627026  | 45.845  | ng    | 97       |

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

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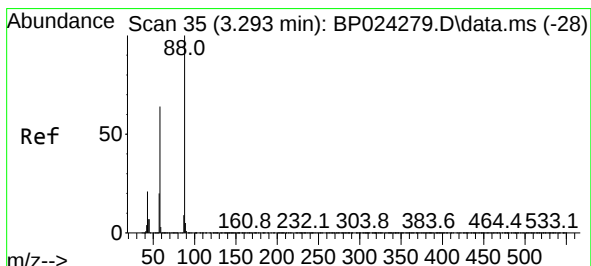
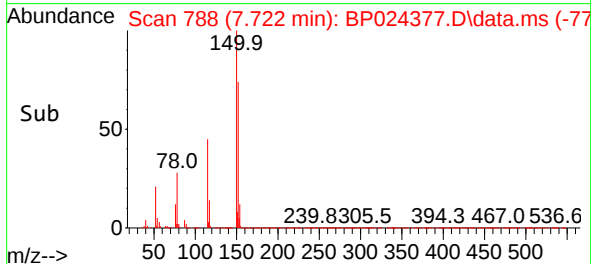
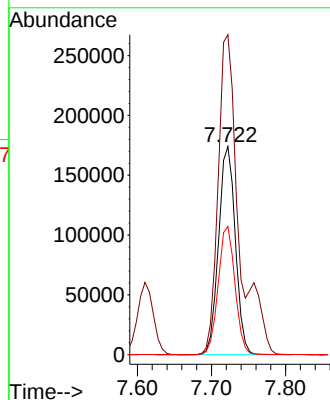
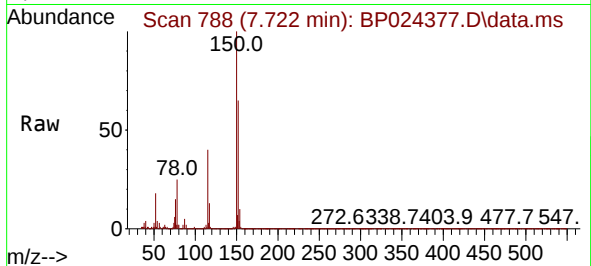




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.722 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: BP024377.D  
 Acq: 22 Apr 2025 13:56

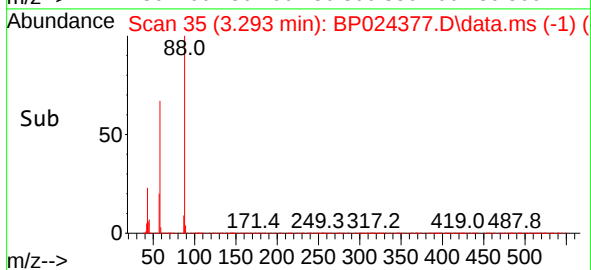
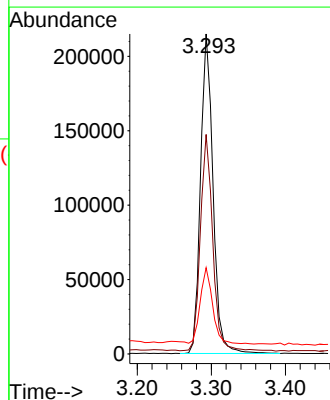
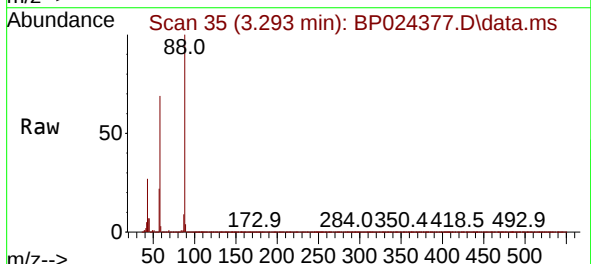
Instrument :  
 BNA\_P  
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 PB167689BS

Tgt Ion:152 Resp: 273453  
 Ion Ratio Lower Upper  
 152 100  
 150 153.8 124.9 187.3  
 115 61.6 47.7 71.5



#2  
 1,4-Dioxane  
 Concen: 36.067 ng  
 RT: 3.293 min Scan# 35  
 Delta R.T. 0.006 min  
 Lab File: BP024377.D  
 Acq: 22 Apr 2025 13:56

Tgt Ion: 88 Resp: 252303  
 Ion Ratio Lower Upper  
 88 100  
 58 67.5 51.4 77.2  
 43 23.7 17.1 25.7

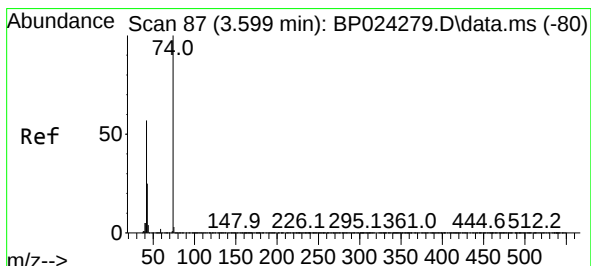
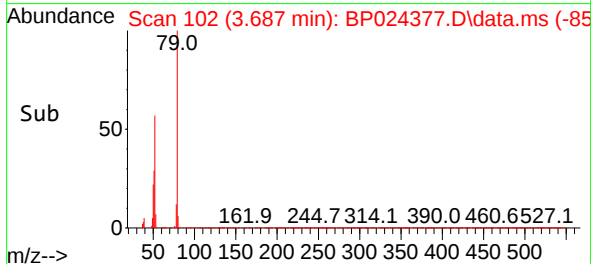
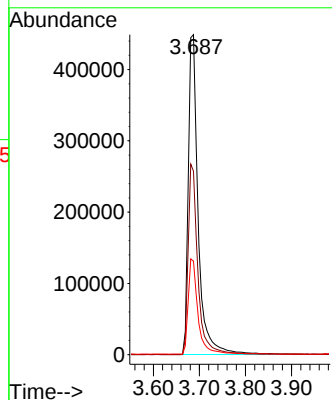
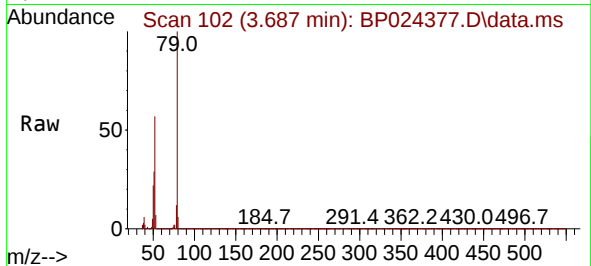




#3  
Pyridine  
Concen: 36.230 ng  
RT: 3.687 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

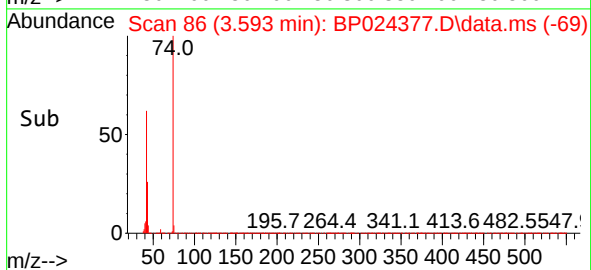
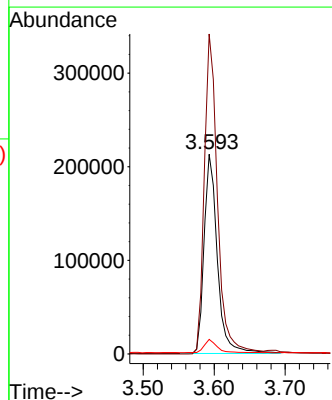
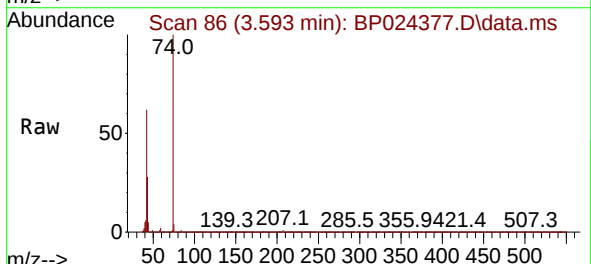
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

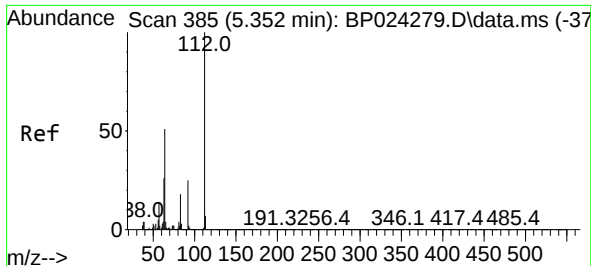
Tgt Ion: 79 Resp: 669238  
Ion Ratio Lower Upper  
79 100  
52 57.3 45.4 68.2  
51 29.2 22.6 33.8



#4  
n-Nitrosodimethylamine  
Concen: 45.341 ng  
RT: 3.593 min Scan# 86  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion: 42 Resp: 277957  
Ion Ratio Lower Upper  
42 100  
74 160.2 139.5 209.3  
44 7.3 5.8 8.8

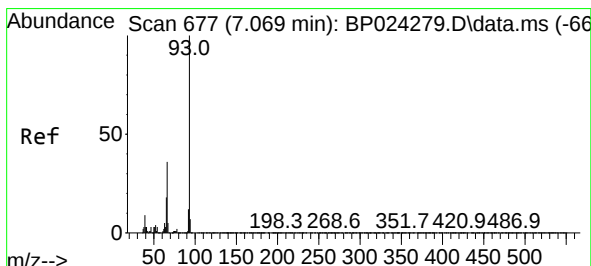
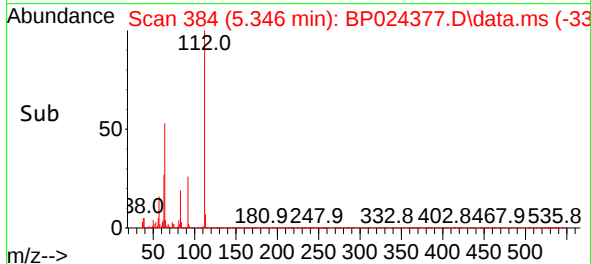
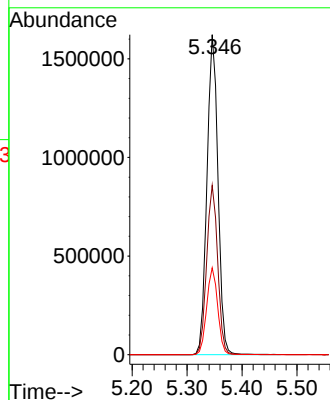
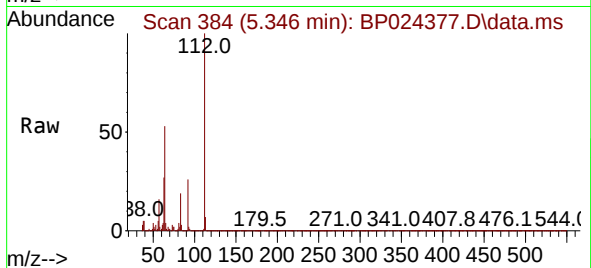




#5  
2-Fluorophenol  
Concen: 136.130 ng  
RT: 5.346 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

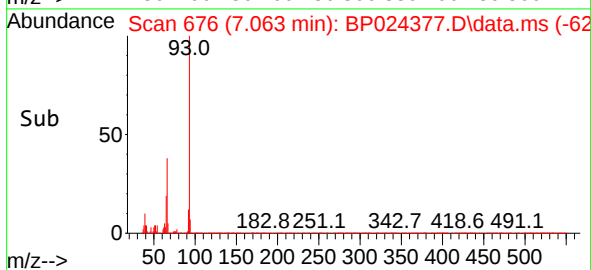
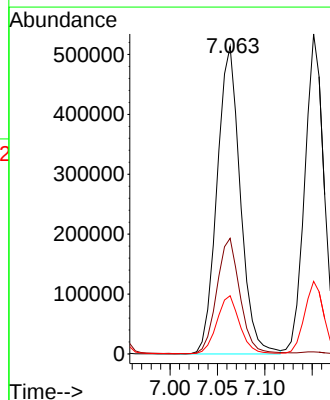
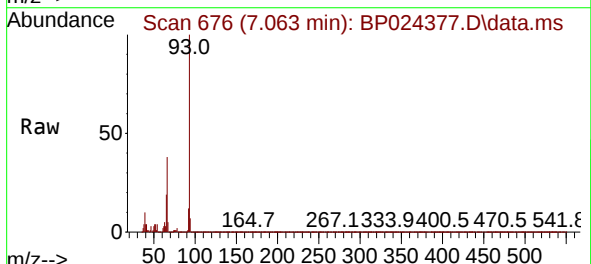
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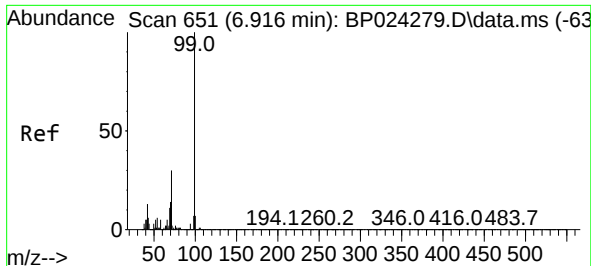
Tgt Ion:112 Resp: 2251355  
Ion Ratio Lower Upper  
112 100  
64 52.9 41.1 61.7  
63 27.2 20.6 30.8



#6  
Aniline  
Concen: 43.344 ng  
RT: 7.063 min Scan# 676  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion: 93 Resp: 877105  
Ion Ratio Lower Upper  
93 100  
66 37.6 29.1 43.7  
65 18.9 14.7 22.1

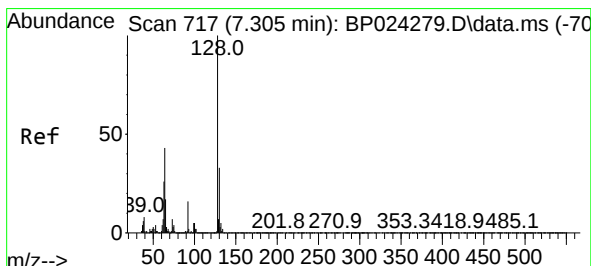
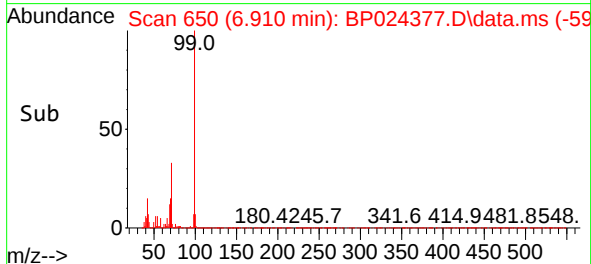
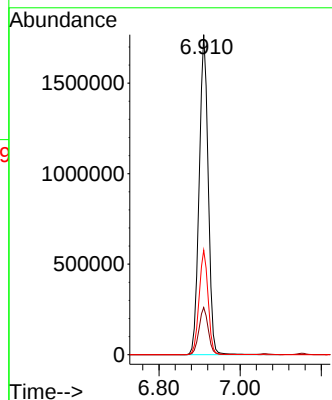
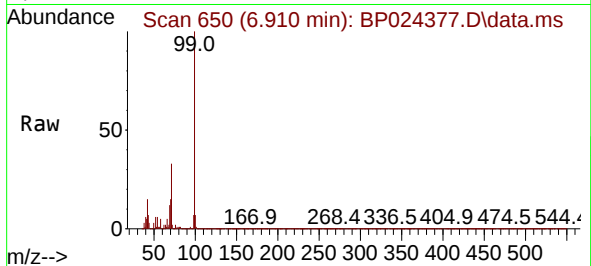




#7  
Phenol-d6  
Concen: 121.231 ng  
RT: 6.910 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

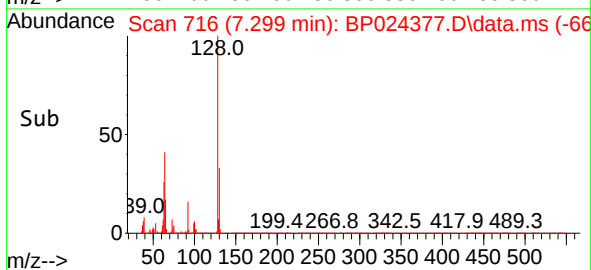
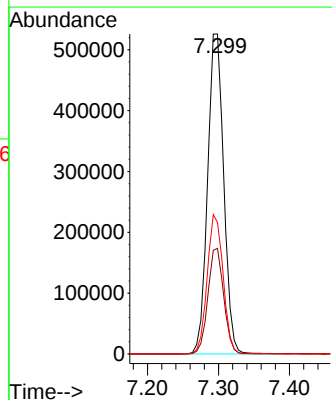
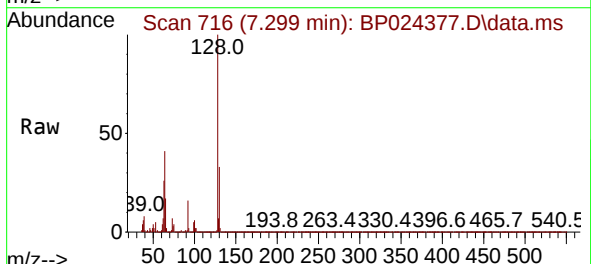
Instrument :  
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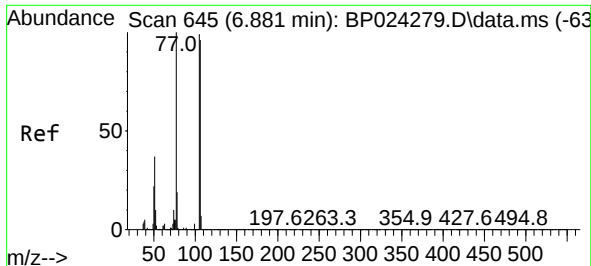
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Ion Ratio Lower Upper  
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42 14.8 10.6 16.0  
71 32.7 23.7 35.5



#8  
2-Chlorophenol  
Concen: 44.964 ng  
RT: 7.299 min Scan# 716  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion: 128 Resp: 830254  
Ion Ratio Lower Upper  
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130 33.0 12.9 52.9  
64 41.1 22.7 62.7

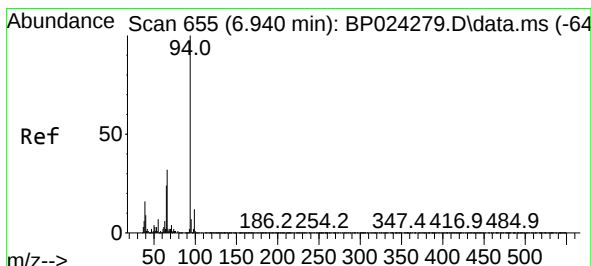
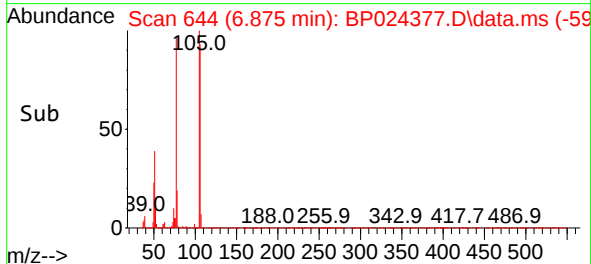
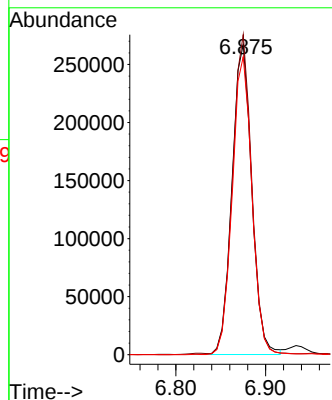
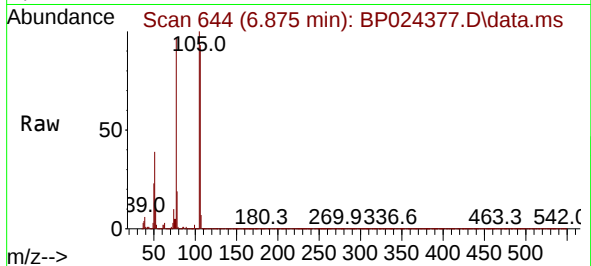




#9  
Benzaldehyde  
Concen: 36.431 ng  
RT: 6.875 min Scan# 64  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

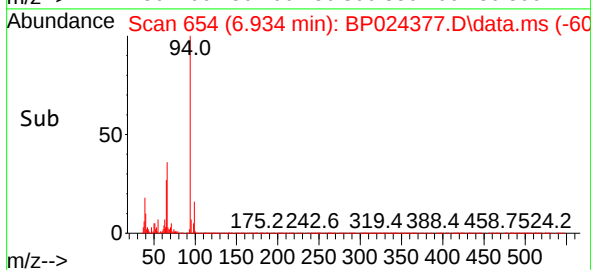
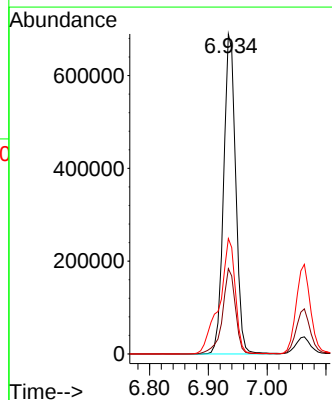
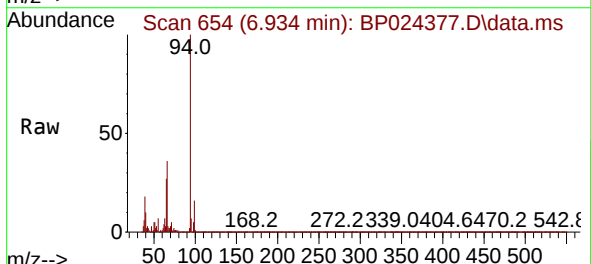
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

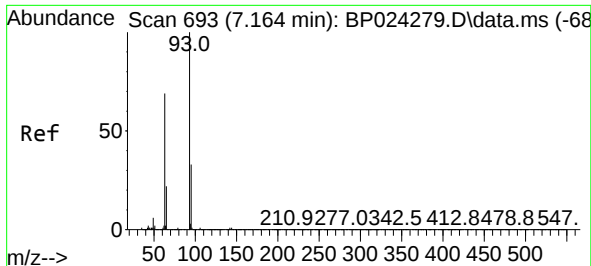
Tgt Ion: 77 Resp: 408096  
Ion Ratio Lower Upper  
77 100  
105 103.2 79.2 119.2  
106 96.0 76.2 116.2



#10  
Phenol  
Concen: 43.379 ng  
RT: 6.934 min Scan# 654  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion: 94 Resp: 985443  
Ion Ratio Lower Upper  
94 100  
65 26.7 4.5 44.5  
66 36.1 12.4 52.4

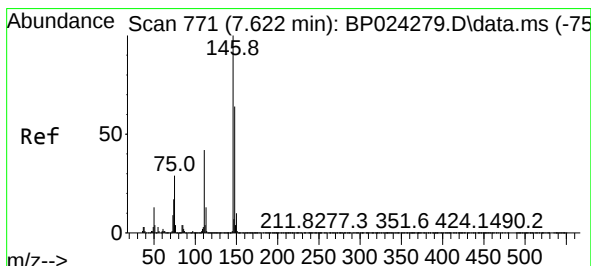
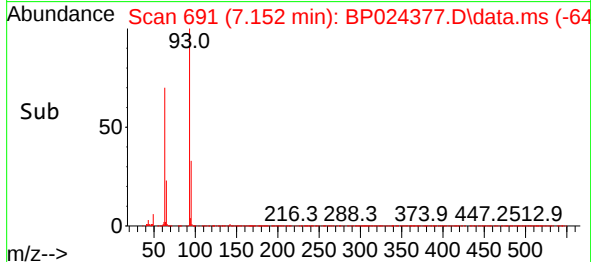
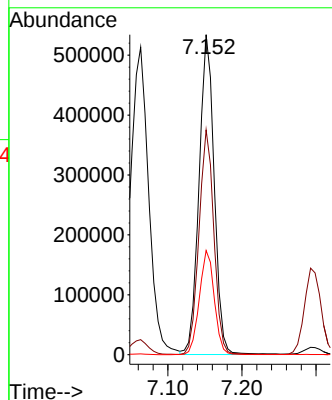
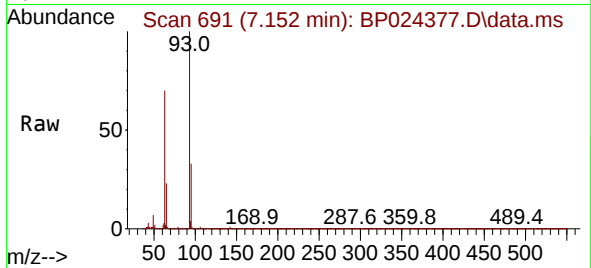




#11  
bis(2-Chloroethyl)ether  
Concen: 41.432 ng  
RT: 7.152 min Scan# 691  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

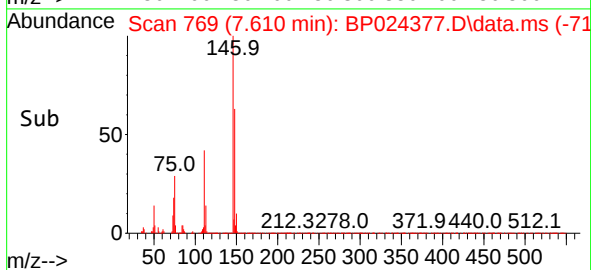
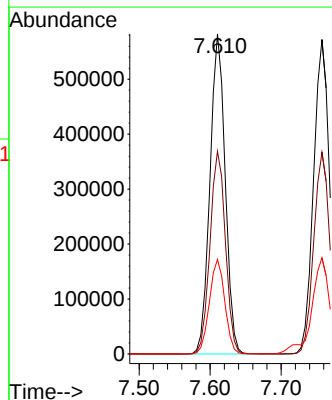
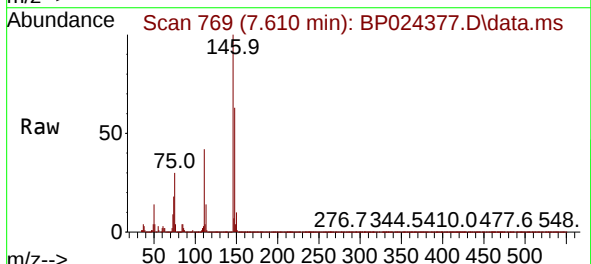
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

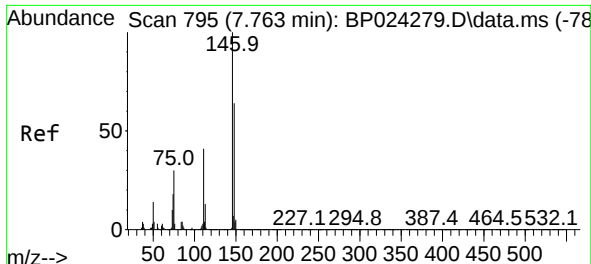
Tgt Ion: 93 Resp: 758339  
Ion Ratio Lower Upper  
93 100  
63 70.2 48.6 88.6  
95 32.5 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 43.685 ng  
RT: 7.610 min Scan# 769  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion: 146 Resp: 868397  
Ion Ratio Lower Upper  
146 100  
148 63.3 51.4 77.0  
75 29.6 22.9 34.3





#13

1,4-Dichlorobenzene

Concen: 44.027 ng

RT: 7.757 min Scan# 795

Delta R.T. -0.000 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

Instrument :

BNA\_P

ClientSampleId :

PB167689BS

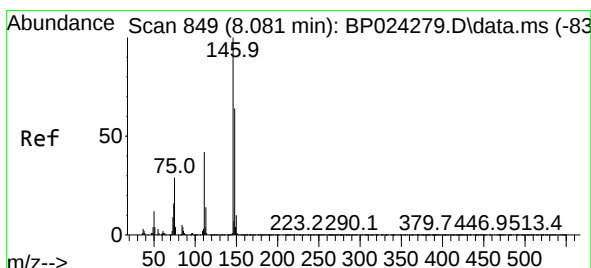
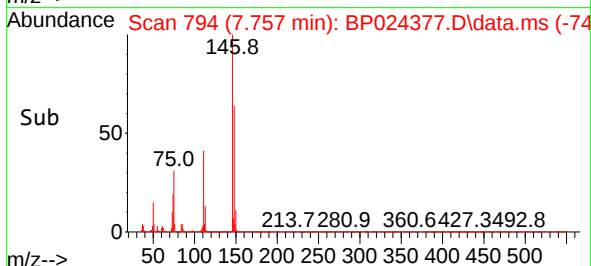
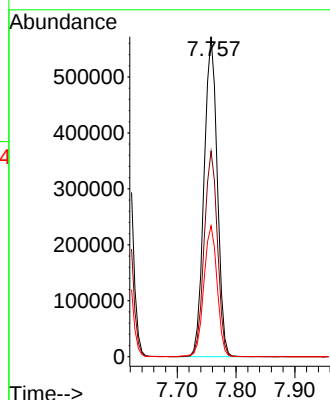
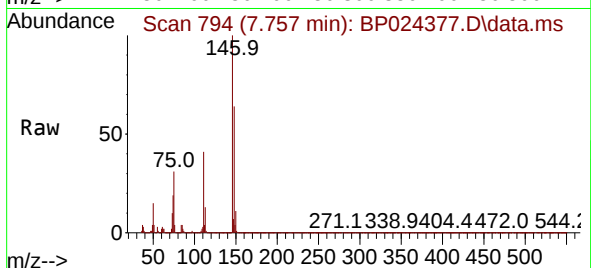
Tgt Ion:146 Resp: 888003

Ion Ratio Lower Upper

146 100

148 64.2 51.1 76.7

111 40.9 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 43.396 ng

RT: 8.069 min Scan# 847

Delta R.T. -0.006 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

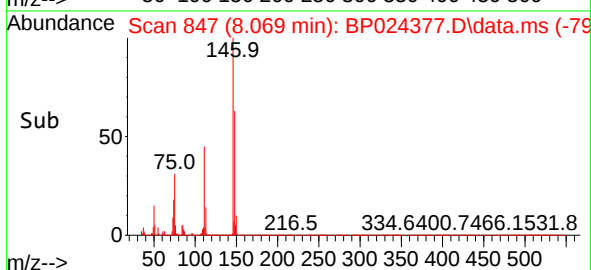
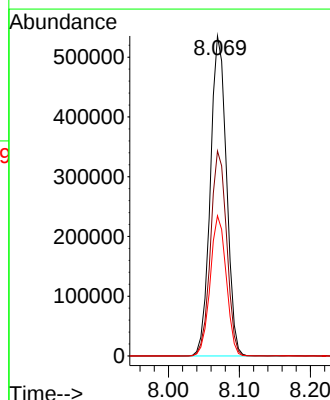
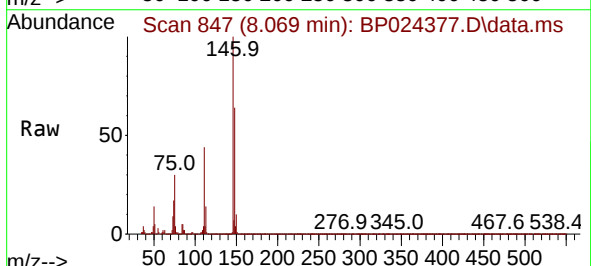
Tgt Ion:146 Resp: 845175

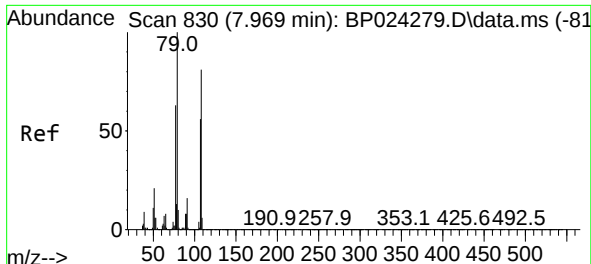
Ion Ratio Lower Upper

146 100

148 64.0 51.0 76.4

111 43.8 33.8 50.8

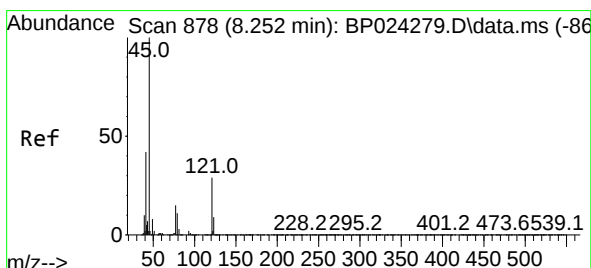
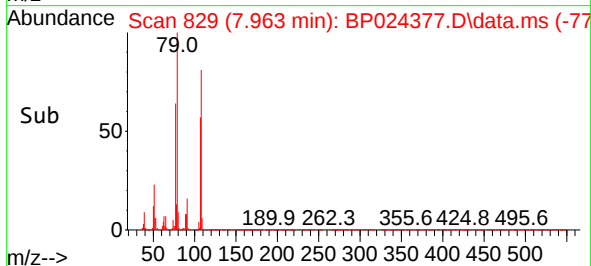
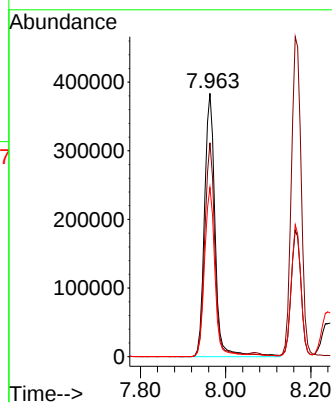
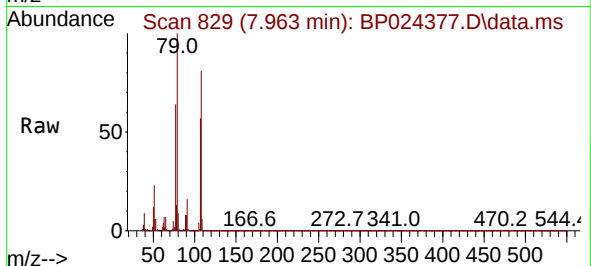




#15  
Benzyl Alcohol  
Concen: 45.021 ng  
RT: 7.963 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

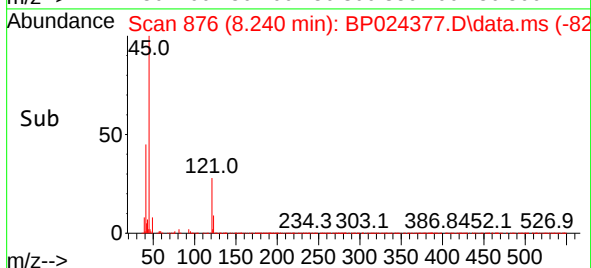
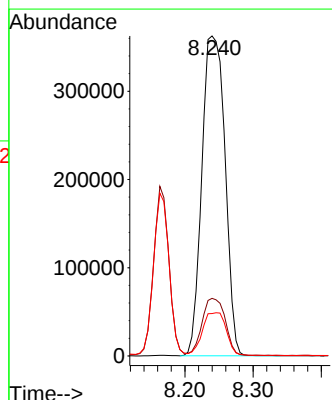
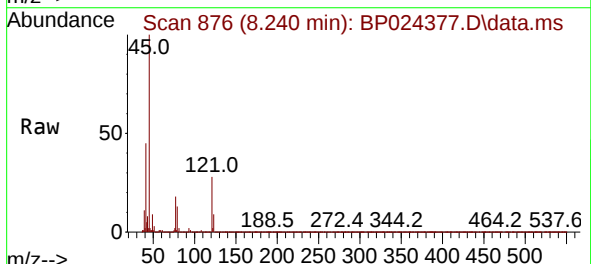
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

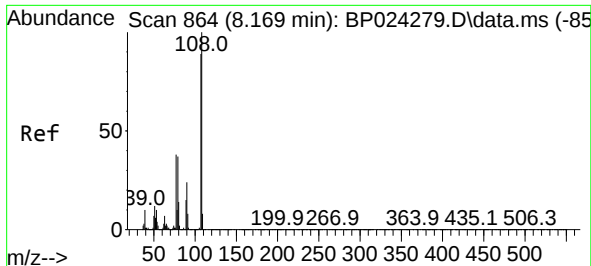
Tgt Ion: 79 Resp: 659329  
Ion Ratio Lower Upper  
79 100  
108 81.2 65.1 97.7  
77 64.3 50.7 76.1



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.324 ng  
RT: 8.240 min Scan# 876  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion: 45 Resp: 857118  
Ion Ratio Lower Upper  
45 100  
77 18.0 0.0 37.7  
79 13.2 0.0 33.5

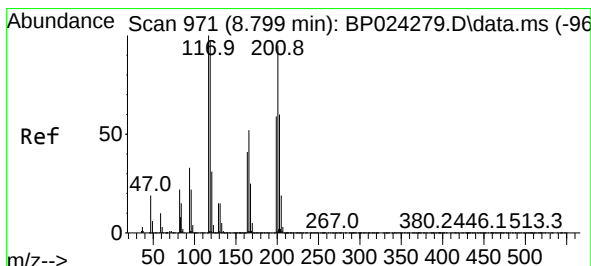
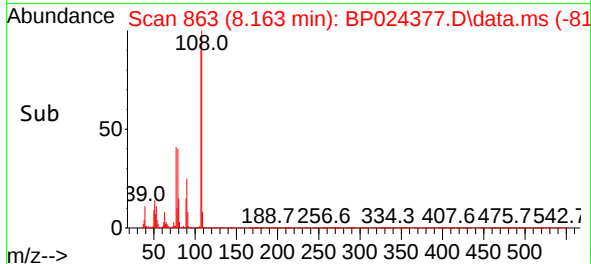
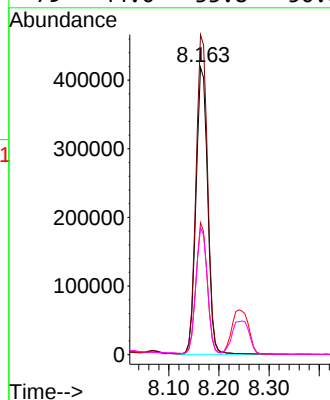
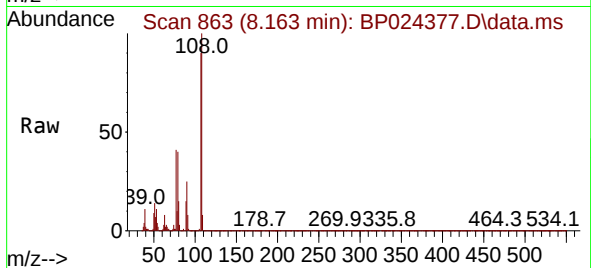




#17  
2-Methylphenol  
Concen: 45.889 ng  
RT: 8.163 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

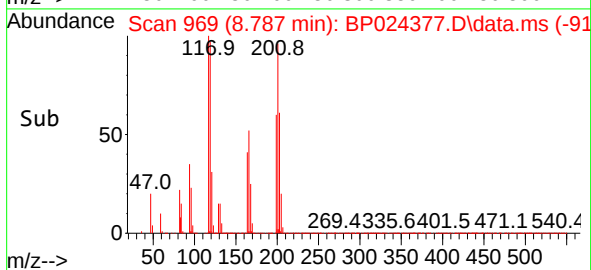
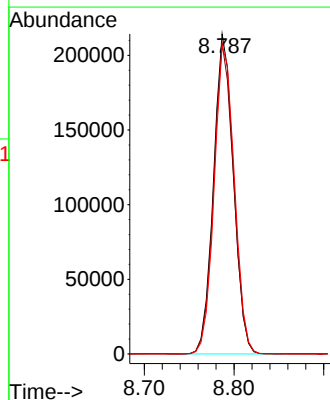
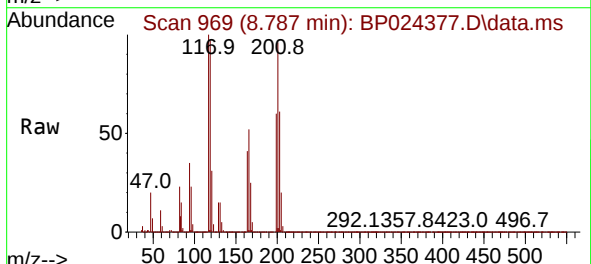
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 674363 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.4 | 89.8  | 134.6  |
| 77       | 45.9  | 34.2  | 51.4   |
| 79       | 44.0  | 33.8  | 50.8   |



#18  
Hexachloroethane  
Concen: 45.403 ng  
RT: 8.787 min Scan# 969  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 330941 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 97.2  | 77.8  | 116.6  |
| 201      | 96.4  | 75.9  | 113.9  |

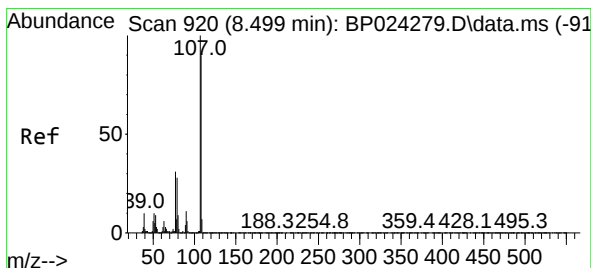
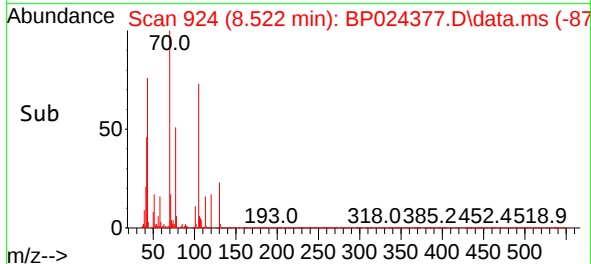
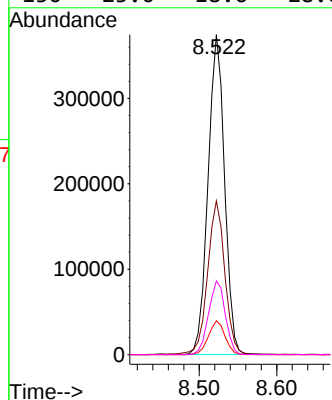
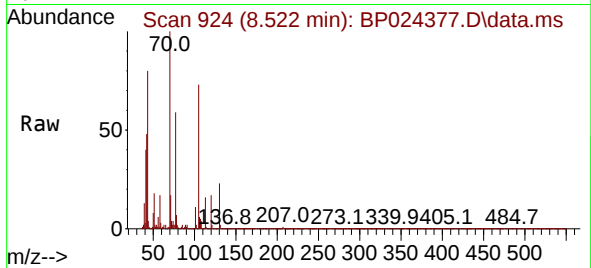




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.507 ng  
RT: 8.522 min Scan# 919  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

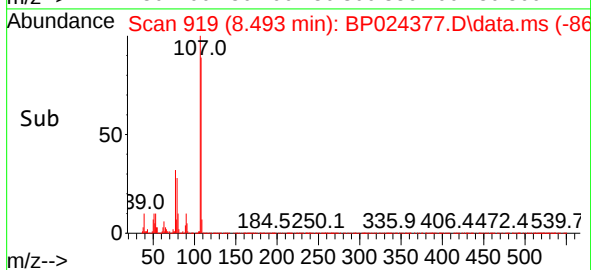
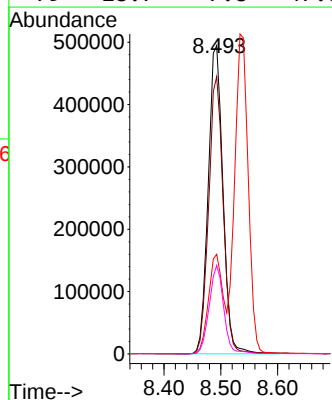
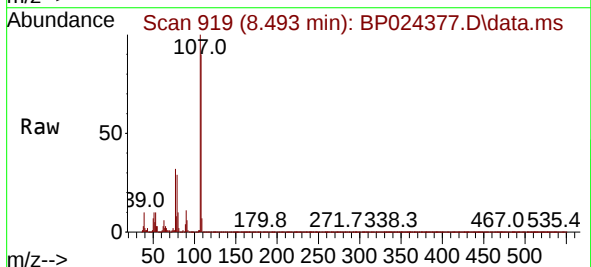
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

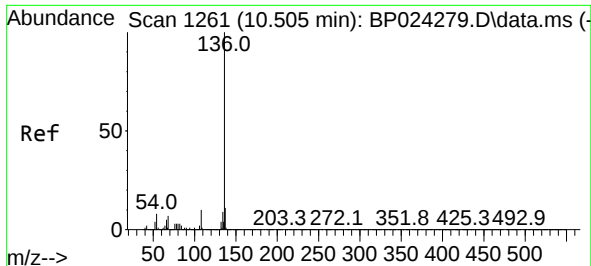
| Tgt Ion: | 70    | Resp: | 553491 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 48.1  | 37.3  | 55.9   |
| 101      | 10.6  | 8.2   | 12.4   |
| 130      | 23.0  | 18.6  | 28.0   |



#20  
3+4-Methylphenols  
Concen: 43.512 ng  
RT: 8.493 min Scan# 919  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

| Tgt Ion: | 107   | Resp: | 887250 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.9  | 69.8  | 109.8  |
| 77       | 32.3  | 11.5  | 51.5   |
| 79       | 28.7  | 7.8   | 47.8   |

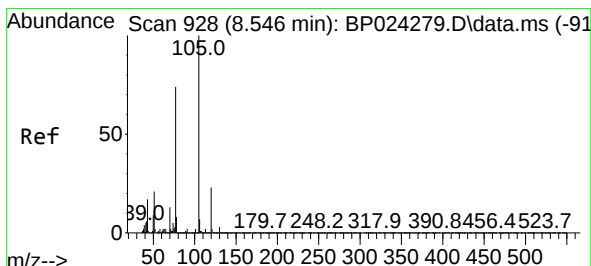
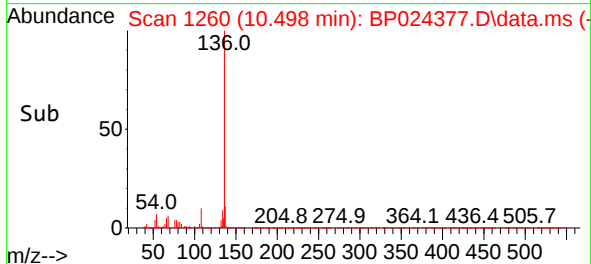
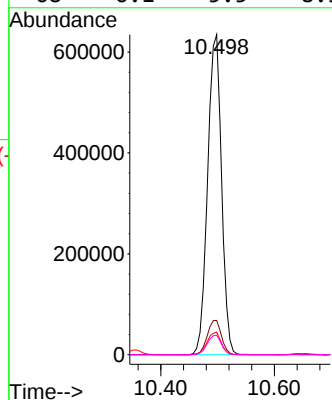
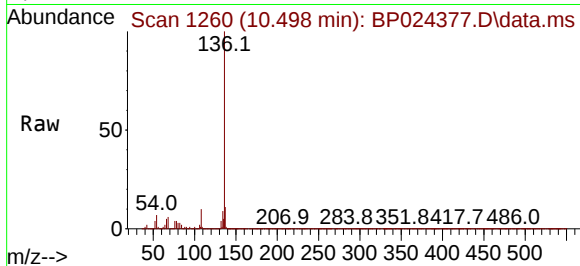




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.498 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

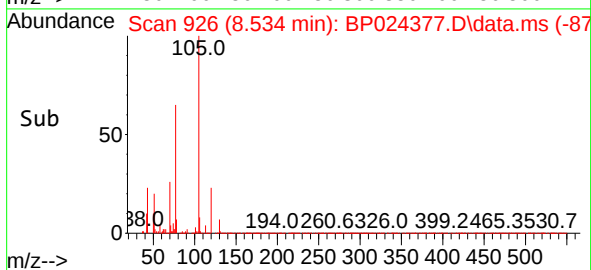
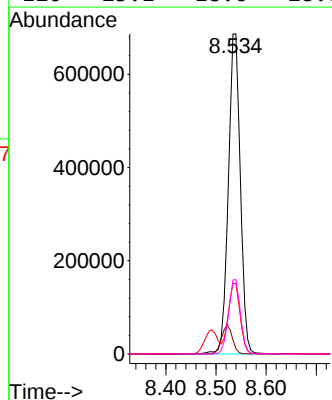
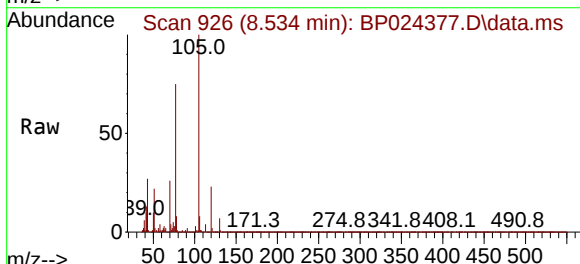
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

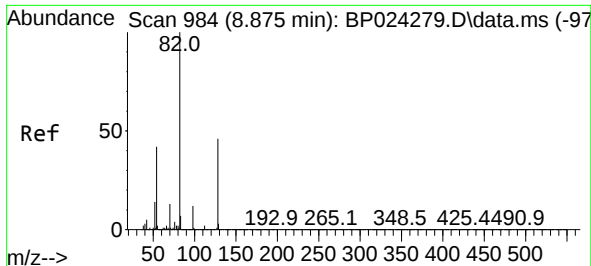
Tgt Ion:136 Resp: 1074031  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.2 13.8  
54 7.0 6.0 9.0  
68 6.1 5.5 8.3



#22  
Acetophenone  
Concen: 42.944 ng  
RT: 8.534 min Scan# 926  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:105 Resp: 1141571  
Ion Ratio Lower Upper  
105 100  
71 4.3 1.7 2.5#  
51 22.1 16.9 25.3  
120 23.1 18.6 28.0

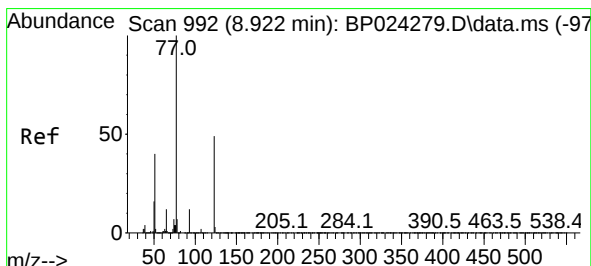
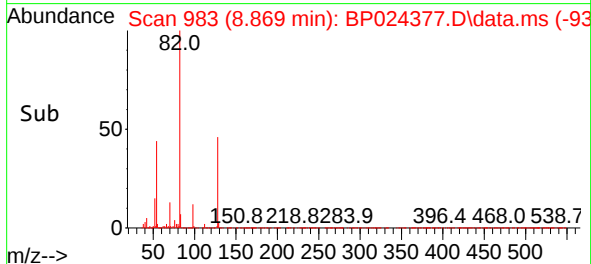
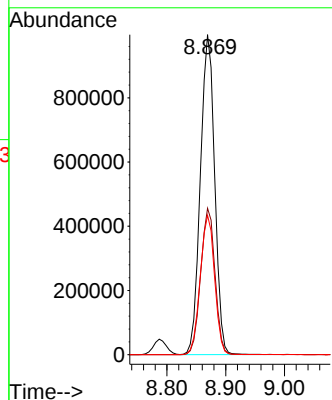
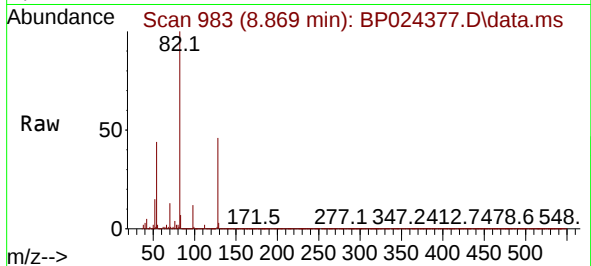




#23  
 Nitrobenzene-d5  
 Concen: 89.512 ng  
 RT: 8.869 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: BP024377.D  
 Acq: 22 Apr 2025 13:56

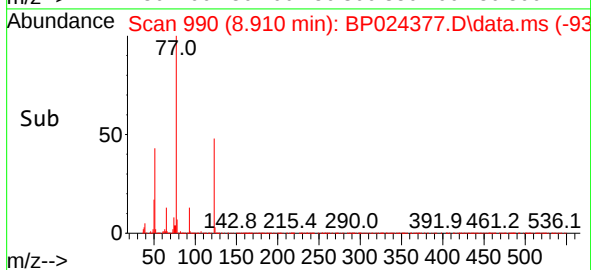
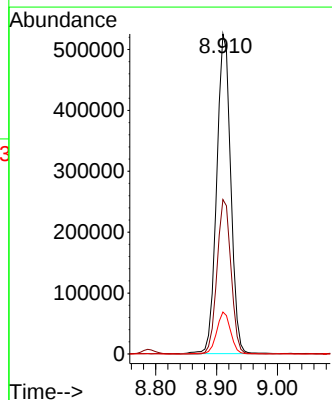
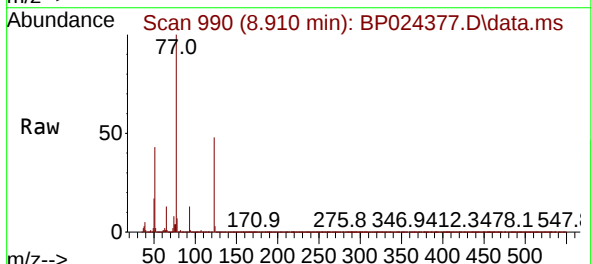
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB167689BS

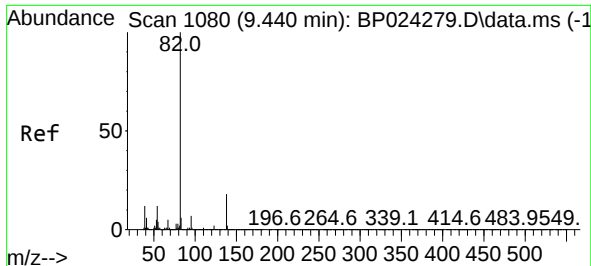
Tgt Ion: 82 Resp: 1686020  
 Ion Ratio Lower Upper  
 82 100  
 128 45.8 36.5 54.7  
 54 43.6 33.4 50.2



#24  
 Nitrobenzene  
 Concen: 45.023 ng  
 RT: 8.910 min Scan# 990  
 Delta R.T. -0.000 min  
 Lab File: BP024377.D  
 Acq: 22 Apr 2025 13:56

Tgt Ion: 77 Resp: 838925  
 Ion Ratio Lower Upper  
 77 100  
 123 48.2 39.2 58.8  
 65 13.1 9.8 14.6

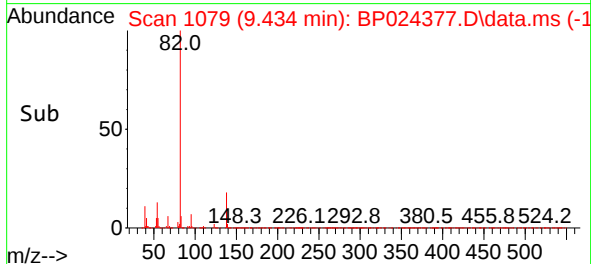
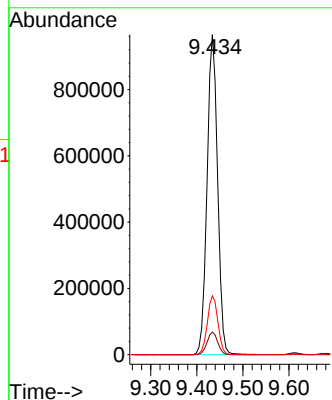
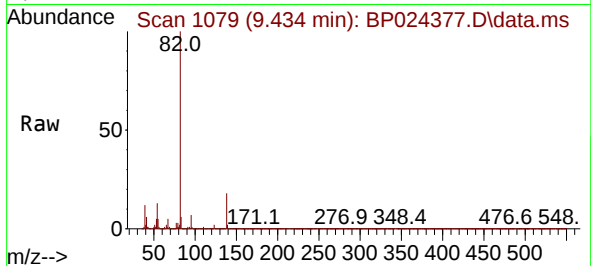




#25  
Isophorone  
Concen: 45.168 ng  
RT: 9.434 min Scan# 1080  
Delta R.T. 0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

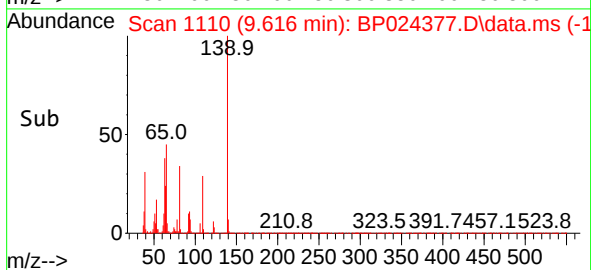
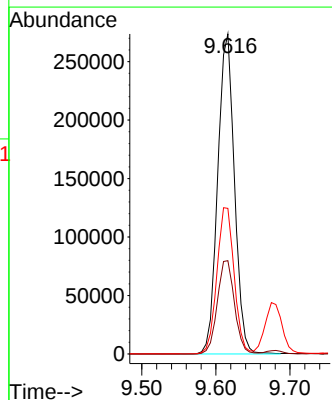
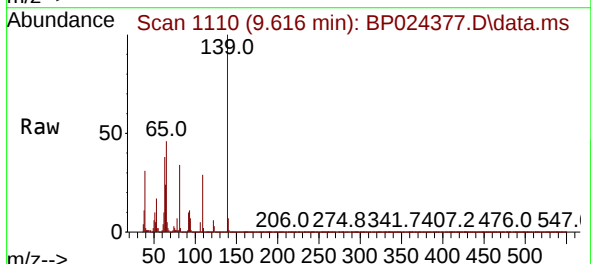
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

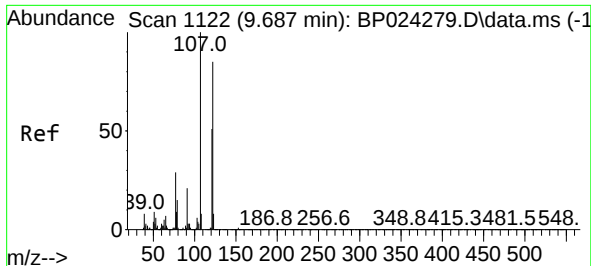
Tgt Ion: 82 Resp: 1539939  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.4 8.2  
138 18.4 14.4 21.6



#26  
2-Nitrophenol  
Concen: 46.994 ng  
RT: 9.616 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion: 139 Resp: 428520  
Ion Ratio Lower Upper  
139 100  
109 29.2 21.8 32.6  
65 45.5 36.2 54.2





#27

2,4-Dimethylphenol

Concen: 63.740 ng

RT: 9.681 min Scan# 1122

Delta R.T. -0.000 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

Instrument :

BNA\_P

ClientSampleId :

PB167689BS

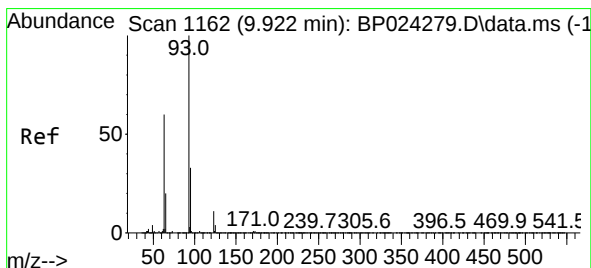
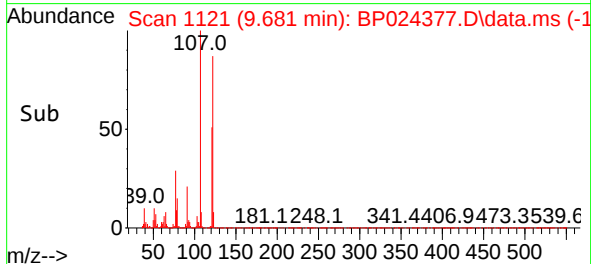
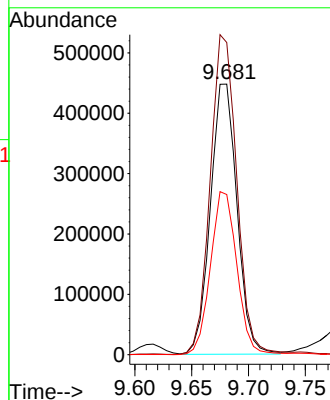
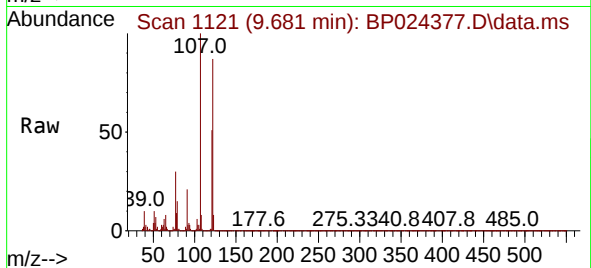
Tgt Ion:122 Resp: 729797

Ion Ratio Lower Upper

122 100

107 115.4 93.7 140.5

121 59.2 48.2 72.2



#28

bis(2-Chloroethoxy)methane

Concen: 42.496 ng

RT: 9.910 min Scan# 1160

Delta R.T. -0.000 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

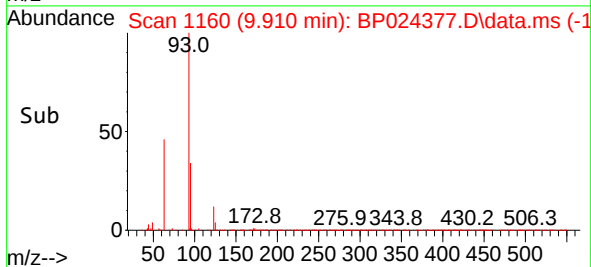
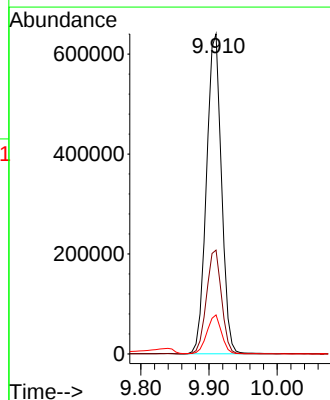
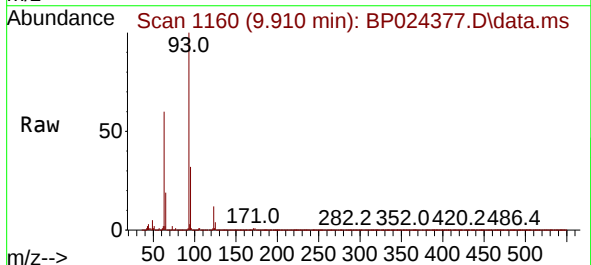
Tgt Ion: 93 Resp: 978751

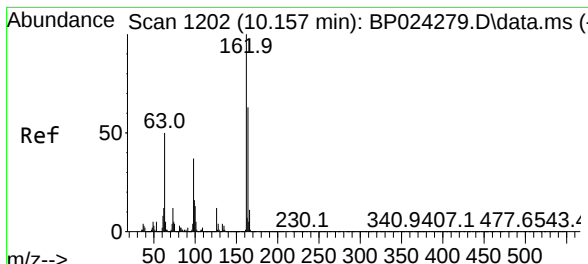
Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 12.2 9.1 13.7

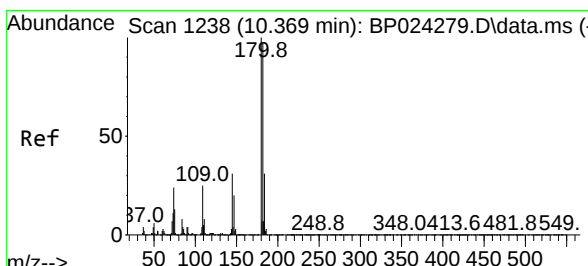
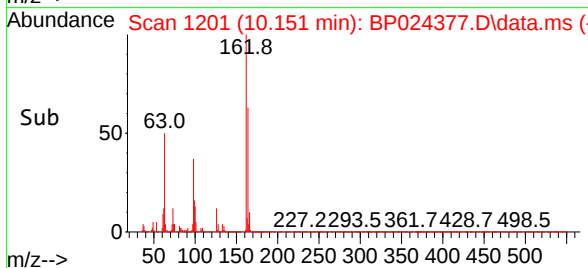
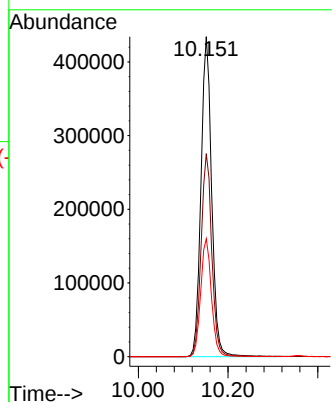
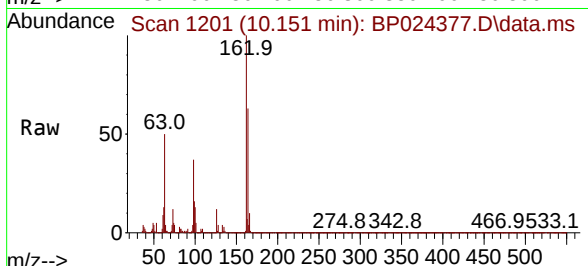




#29  
2,4-Dichlorophenol  
Concen: 45.927 ng  
RT: 10.151 min Scan# 1202  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

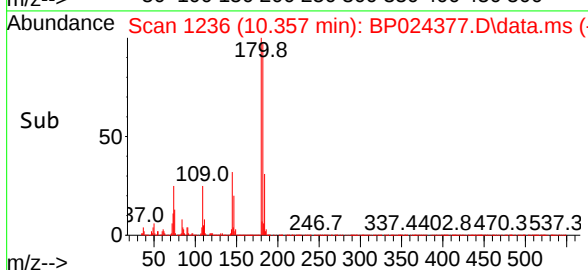
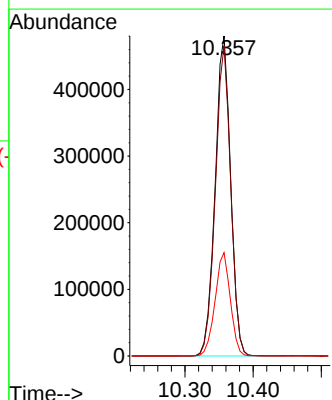
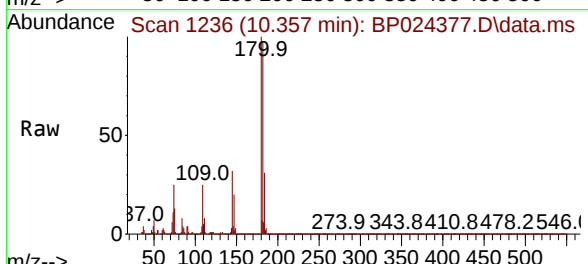
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

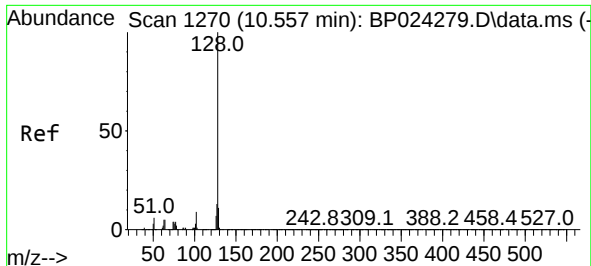
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 716991 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 63.5  | 43.3  | 83.3   |
| 98        | 36.9  | 16.6  | 56.6   |



#30  
1,2,4-Trichlorobenzene  
Concen: 45.375 ng  
RT: 10.357 min Scan# 1236  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 758970 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.0  | 77.3  | 115.9  |
| 145       | 32.3  | 25.1  | 37.7   |

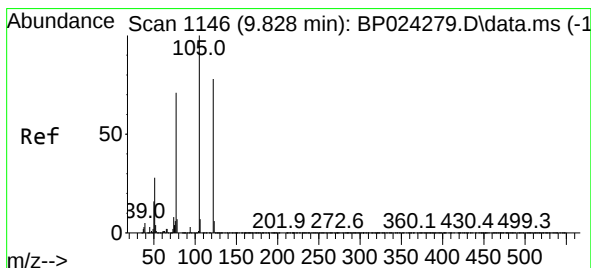
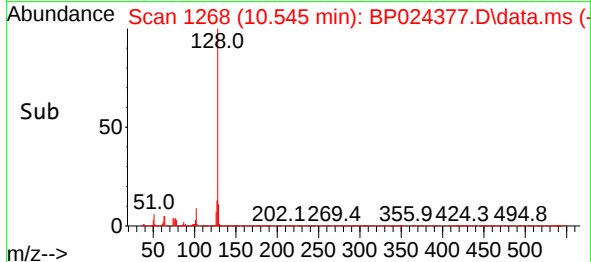
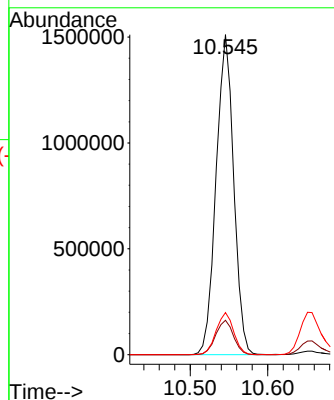
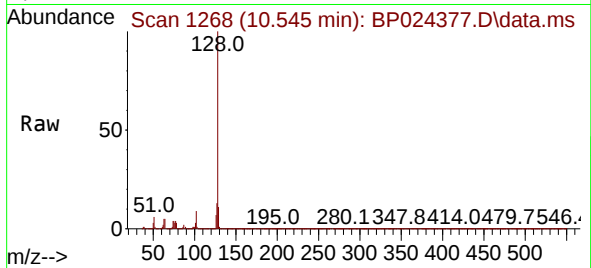




#31  
Naphthalene  
Concen: 42.077 ng  
RT: 10.545 min Scan# 111  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

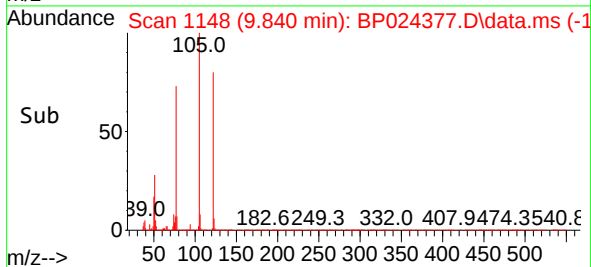
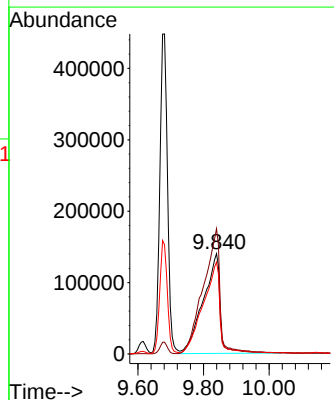
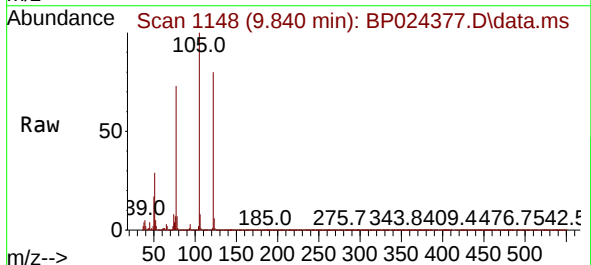
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

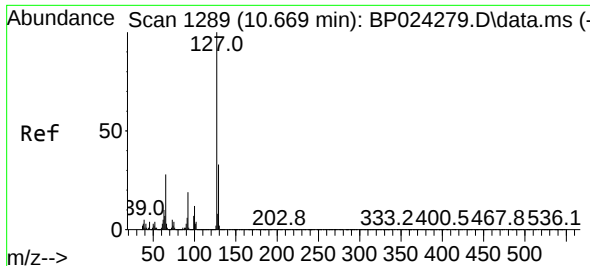
Tgt Ion:128 Resp: 2380570  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.6 13.0  
127 13.1 10.3 15.5



#32  
Benzoic acid  
Concen: 37.668 ng  
RT: 9.840 min Scan# 1148  
Delta R.T. 0.018 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:122 Resp: 502543  
Ion Ratio Lower Upper  
122 100  
105 124.9 104.8 144.8  
77 91.6 69.2 109.2

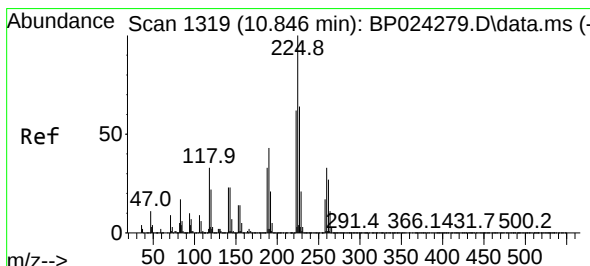
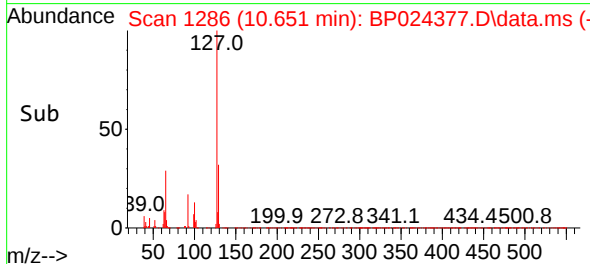
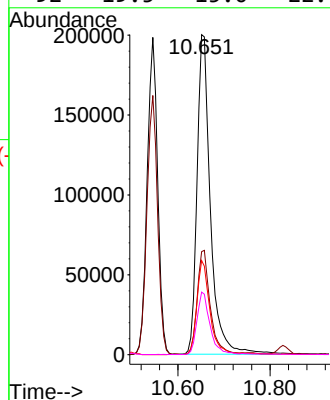
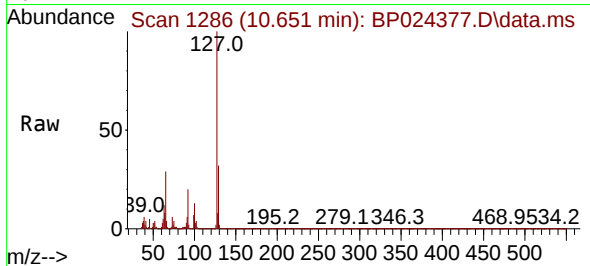




#33  
4-Chloroaniline  
Concen: 20.298 ng  
RT: 10.651 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

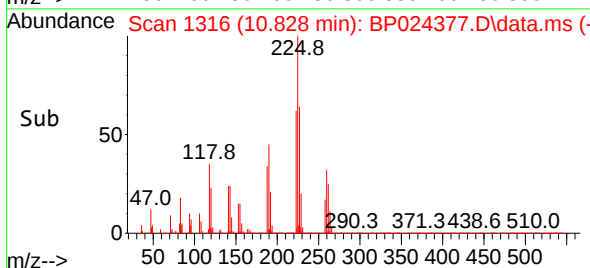
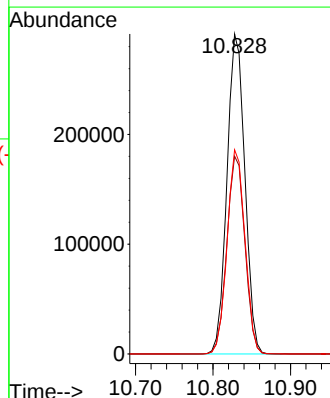
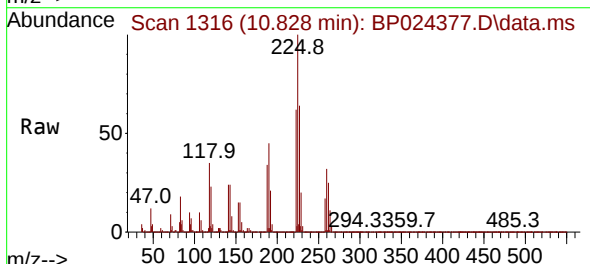
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

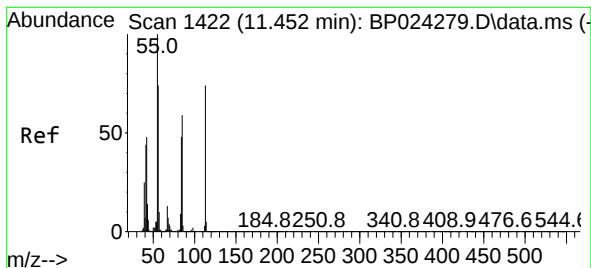
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 404414 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.2  | 26.1  | 39.1   |
| 65       | 29.4  | 22.1  | 33.1   |
| 92       | 19.5  | 15.0  | 22.4   |



#34  
Hexachlorobutadiene  
Concen: 47.645 ng  
RT: 10.828 min Scan# 1316  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 468300 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.8  | 49.5  | 74.3   |
| 227      | 63.8  | 50.9  | 76.3   |

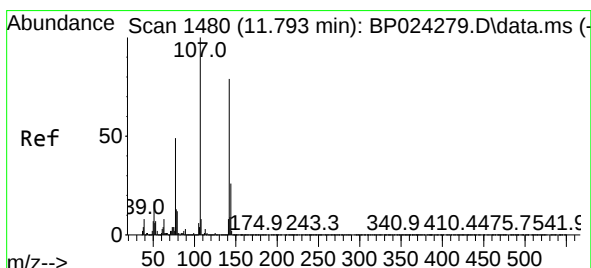
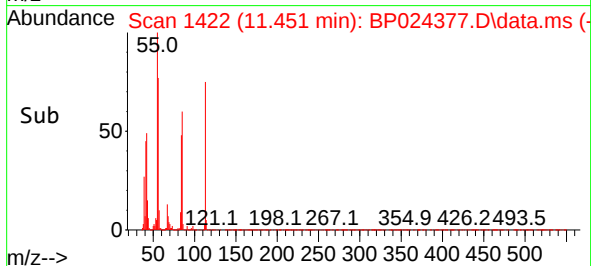
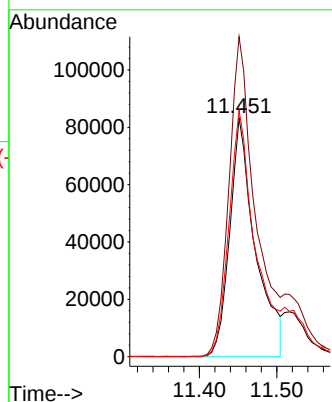
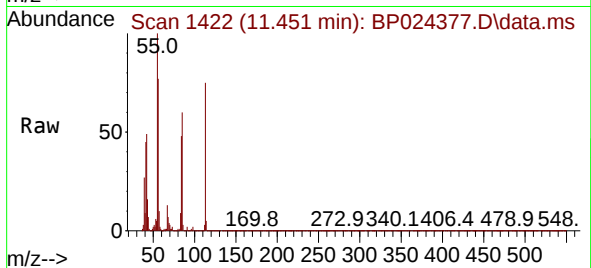




#35  
Caprolactam  
Concen: 33.010 ng  
RT: 11.451 min Scan# 1422  
Delta R.T. 0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

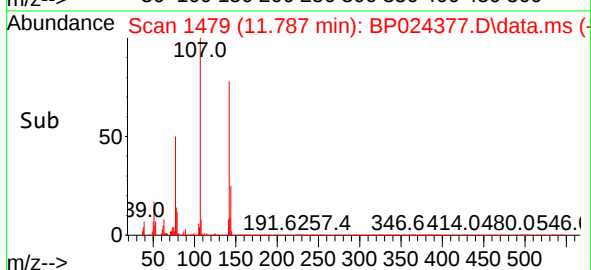
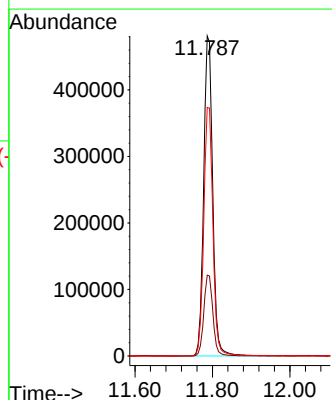
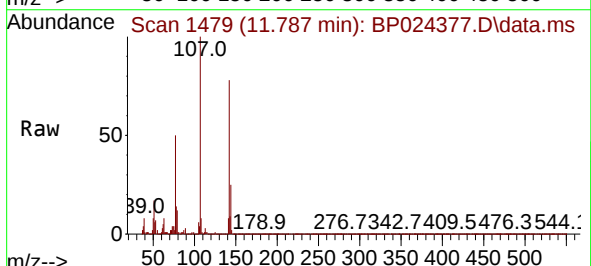
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

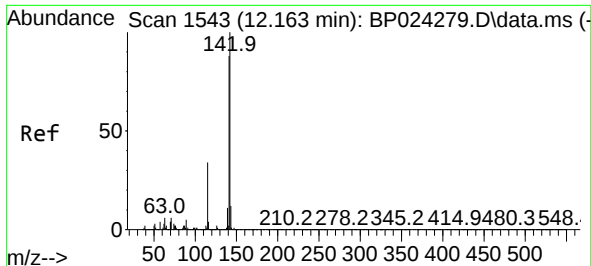
Tgt Ion:113 Resp: 190150  
Ion Ratio Lower Upper  
113 100  
55 134.0 115.9 155.9  
56 103.2 81.1 121.1



#36  
4-Chloro-3-methylphenol  
Concen: 42.685 ng  
RT: 11.787 min Scan# 1479  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:107 Resp: 776173  
Ion Ratio Lower Upper  
107 100  
144 25.2 20.5 30.7  
142 77.6 63.4 95.2

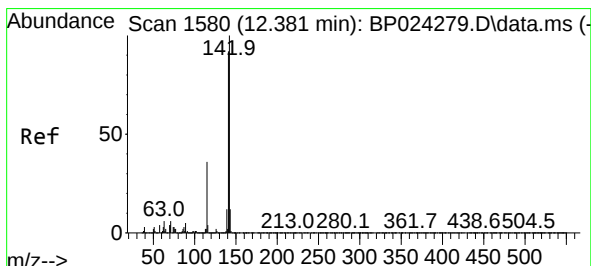
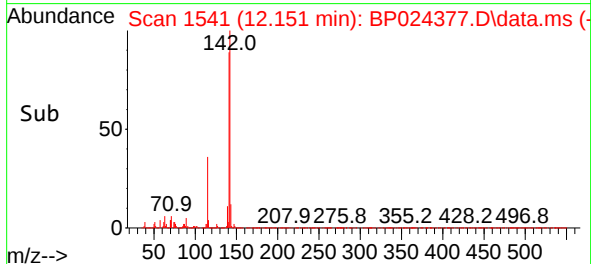
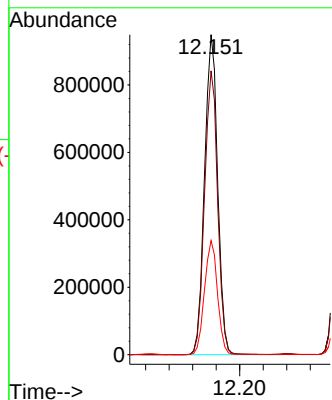
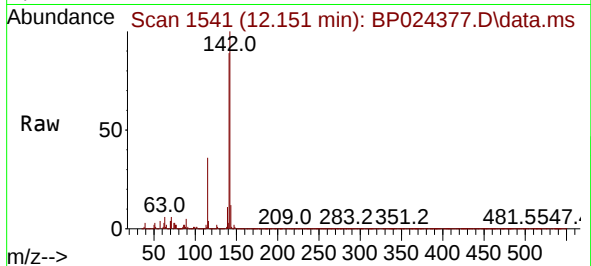




#37  
2-Methylnaphthalene  
Concen: 37.278 ng  
RT: 12.151 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

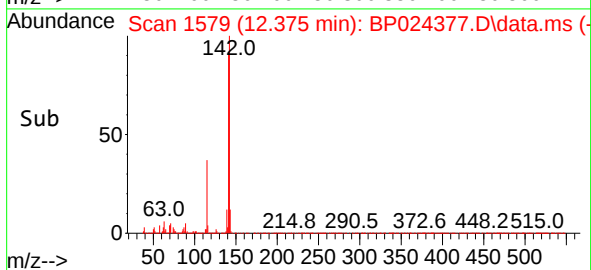
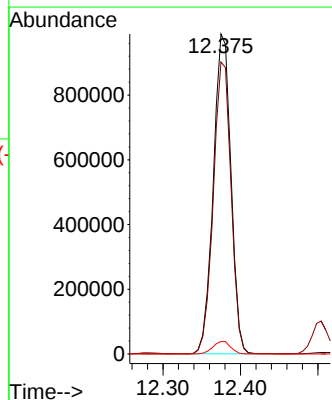
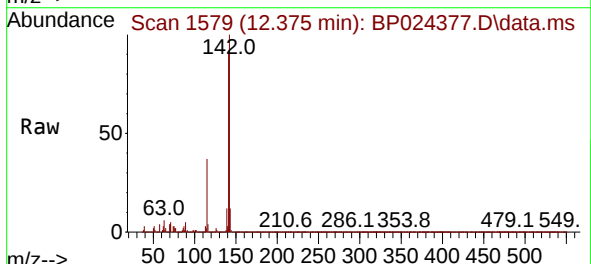
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BNA\_P  
ClientSampleId :  
PB167689BS

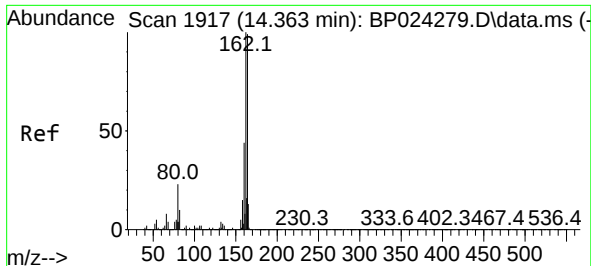
Tgt Ion:142 Resp: 1462651  
Ion Ratio Lower Upper  
142 100  
141 88.7 70.3 105.5  
115 35.7 26.9 40.3



#38  
1-Methylnaphthalene  
Concen: 40.658 ng  
RT: 12.375 min Scan# 1579  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:142 Resp: 1560607  
Ion Ratio Lower Upper  
142 100  
141 91.2 73.6 110.4  
116 3.9 3.0 4.6

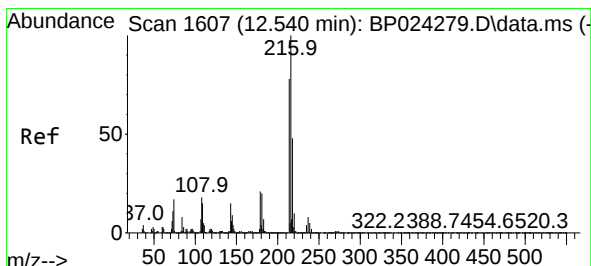
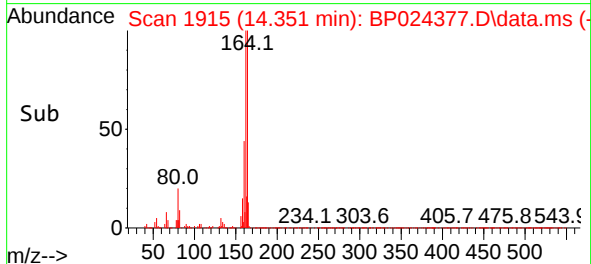
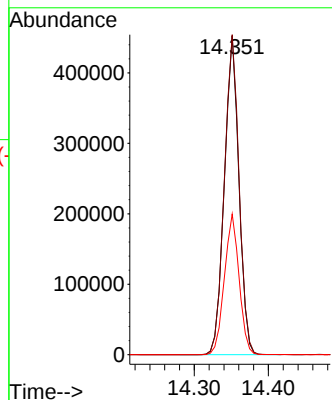
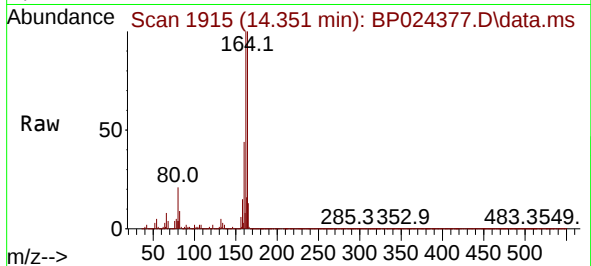




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.351 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

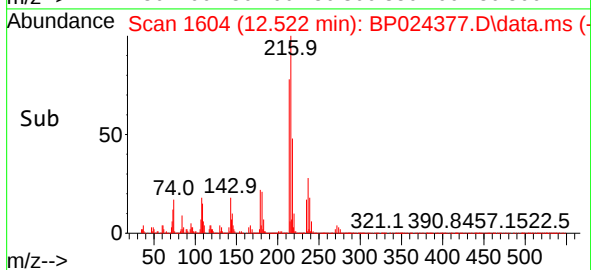
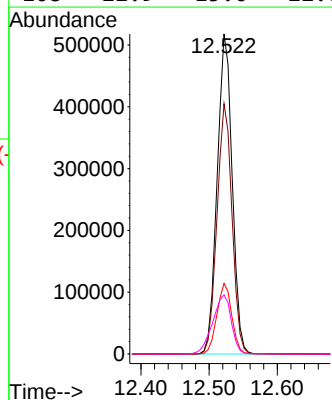
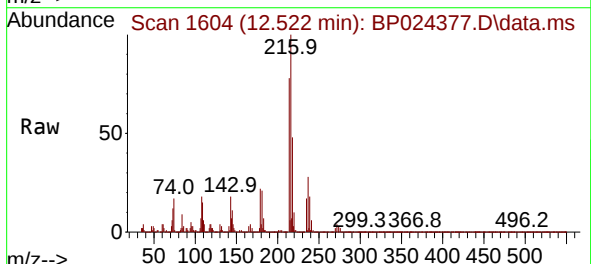
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

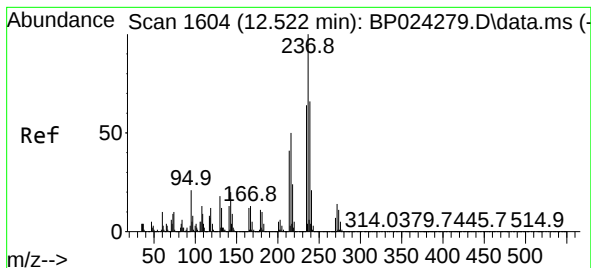
Tgt Ion:164 Resp: 616298  
Ion Ratio Lower Upper  
164 100  
162 100.4 80.6 120.8  
160 44.1 35.3 52.9



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 46.740 ng  
RT: 12.522 min Scan# 1604  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:216 Resp: 792156  
Ion Ratio Lower Upper  
216 100  
214 78.3 62.6 93.8  
179 21.9 17.2 25.8  
108 22.9 15.0 22.6#





#41

Hexachlorocyclopentadiene

Concen: 198.515 ng

RT: 12.504 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

Instrument :

BNA\_P

ClientSampleId :

PB167689BS

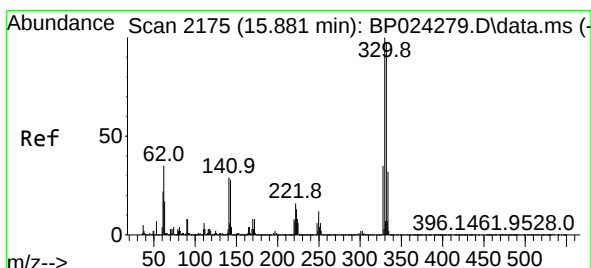
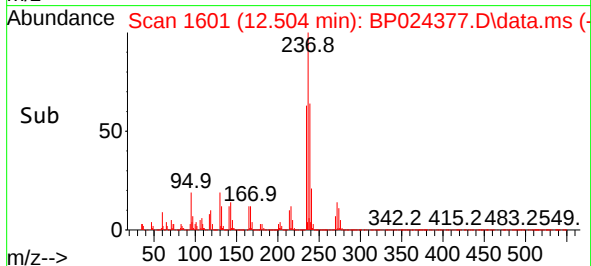
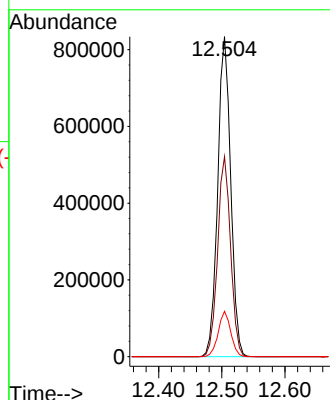
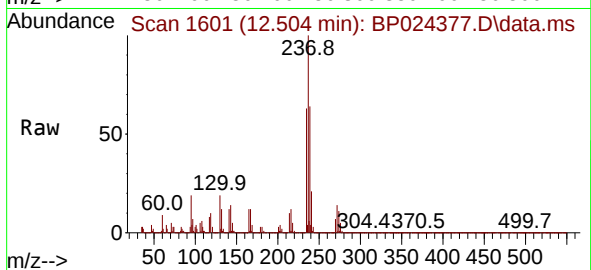
Tgt Ion:237 Resp: 1189932

Ion Ratio Lower Upper

237 100

235 62.5 43.9 83.9

272 14.2 0.0 33.6



#42

2,4,6-Tribromophenol

Concen: 135.255 ng

RT: 15.869 min Scan# 2173

Delta R.T. 0.006 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

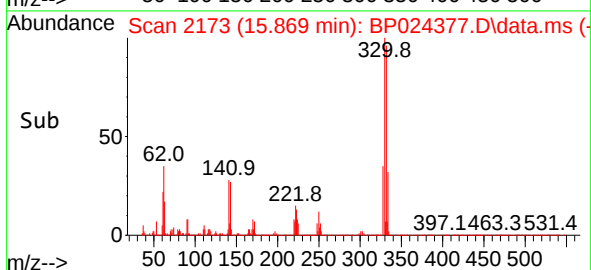
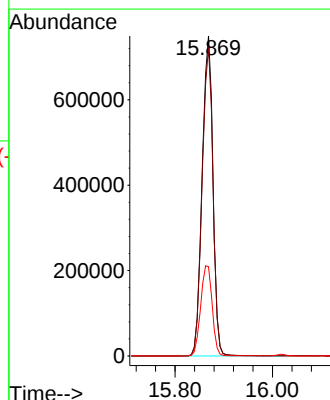
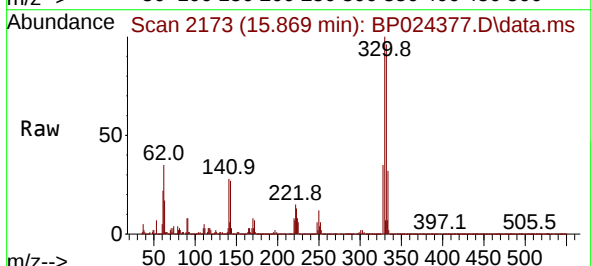
Tgt Ion:330 Resp: 1153297

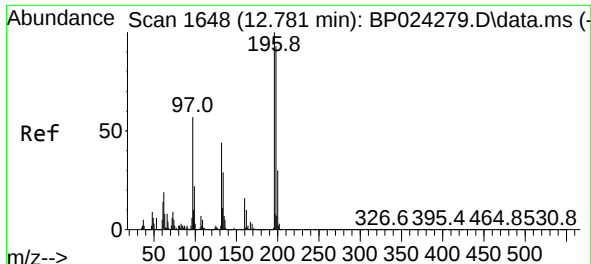
Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

141 30.0 24.7 37.1

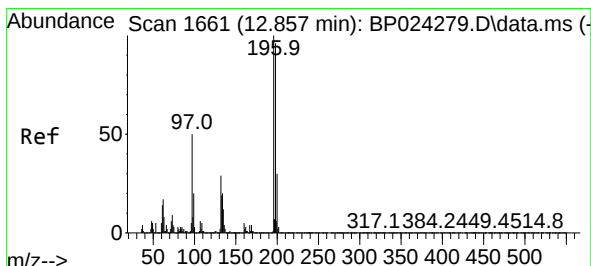
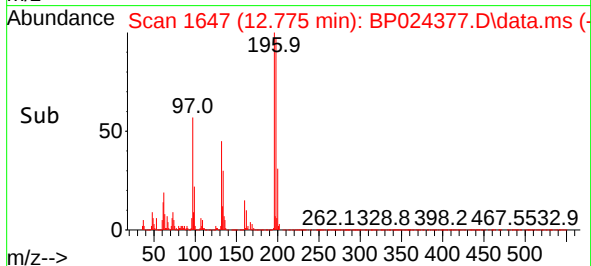
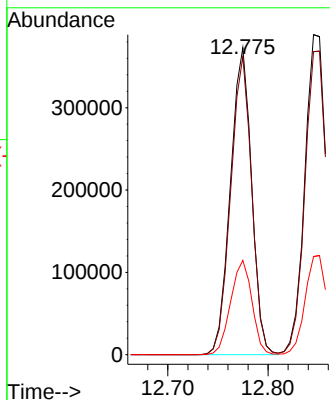
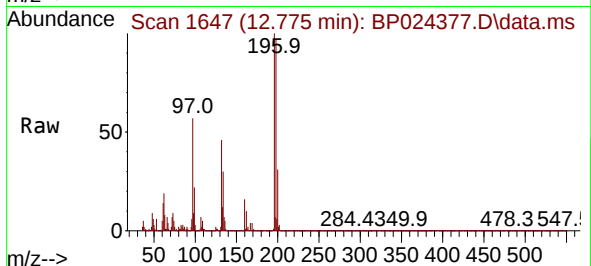




#43  
2,4,6-Trichlorophenol  
Concen: 48.519 ng  
RT: 12.775 min Scan# 1647  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

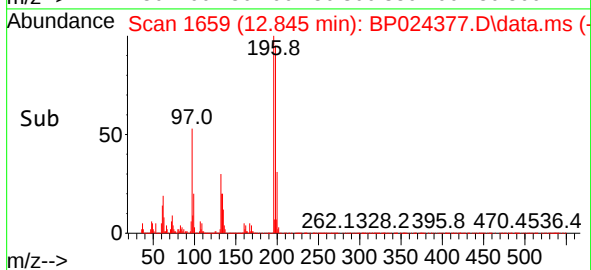
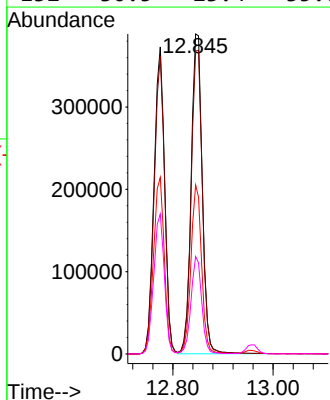
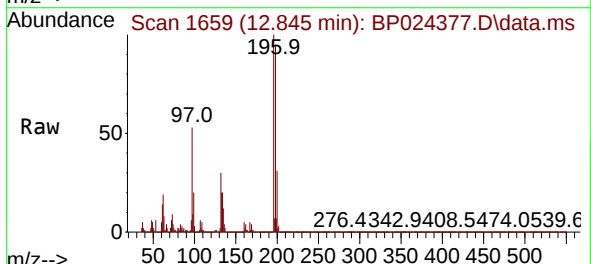
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

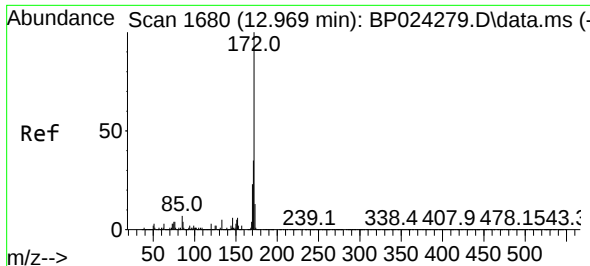
Tgt Ion:196 Resp: 546717  
Ion Ratio Lower Upper  
196 100  
198 97.1 74.3 111.5  
200 30.7 24.0 36.0



#44  
2,4,5-Trichlorophenol  
Concen: 48.013 ng  
RT: 12.845 min Scan# 1659  
Delta R.T. -0.012 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:196 Resp: 599108  
Ion Ratio Lower Upper  
196 100  
198 94.7 77.3 115.9  
97 52.8 40.4 60.6  
132 30.5 23.4 35.0

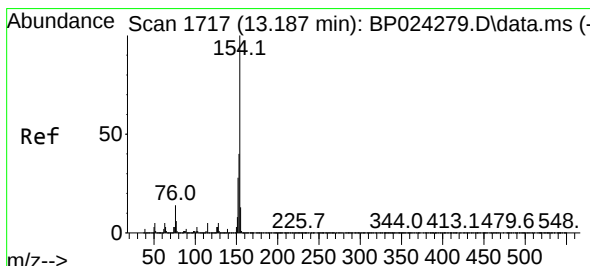
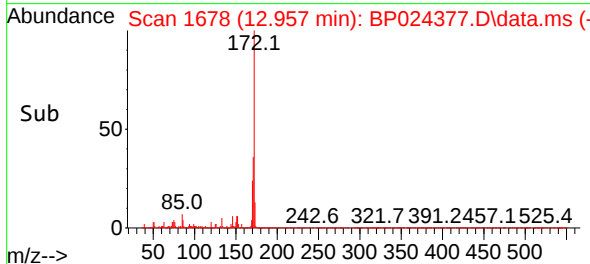
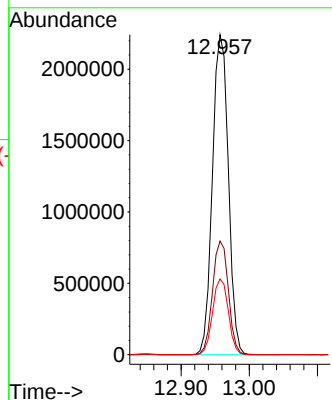
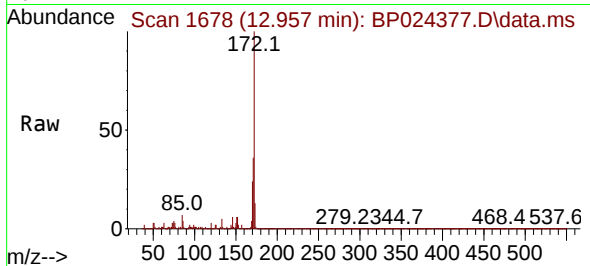




#45  
2-Fluorobiphenyl  
Concen: 90.546 ng  
RT: 12.957 min Scan# 1678  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

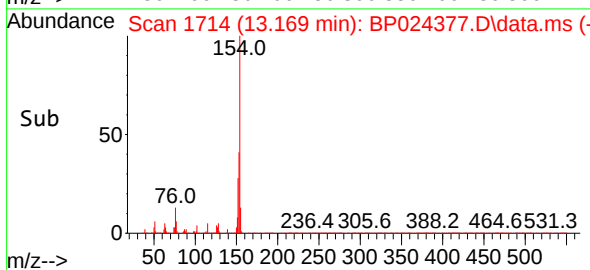
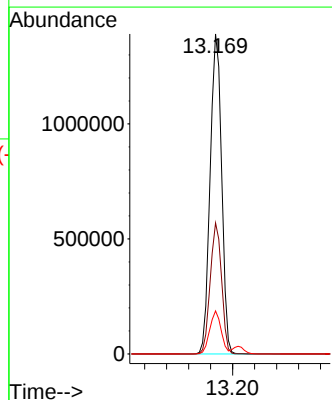
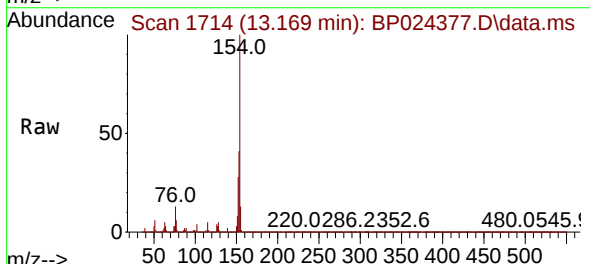
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

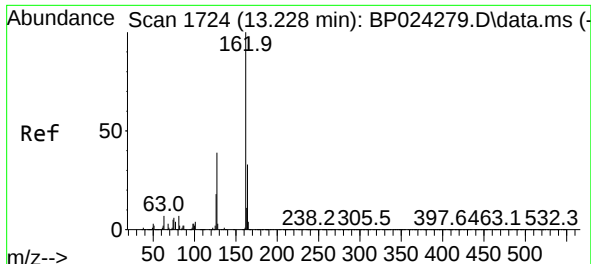
Tgt Ion:172 Resp: 3644618  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.2 42.2  
170 23.7 18.6 27.8



#46  
1,1'-Biphenyl  
Concen: 44.465 ng  
RT: 13.169 min Scan# 1714  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:154 Resp: 2014318  
Ion Ratio Lower Upper  
154 100  
153 40.9 20.3 60.3  
76 13.4 0.0 33.5

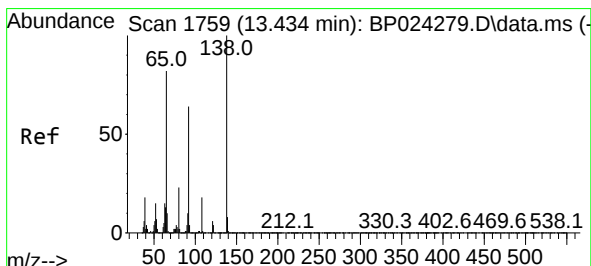
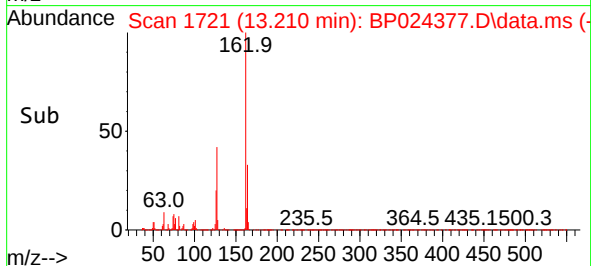
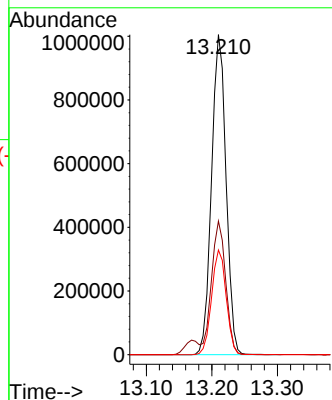
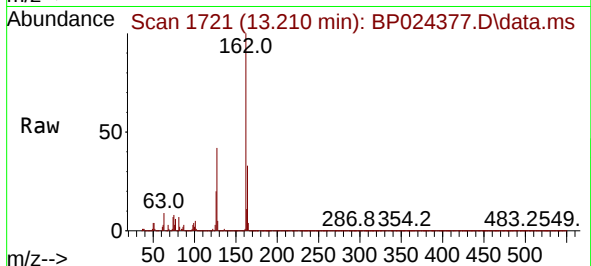




#47  
2-Chloronaphthalene  
Concen: 45.627 ng  
RT: 13.210 min Scan# 1721  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

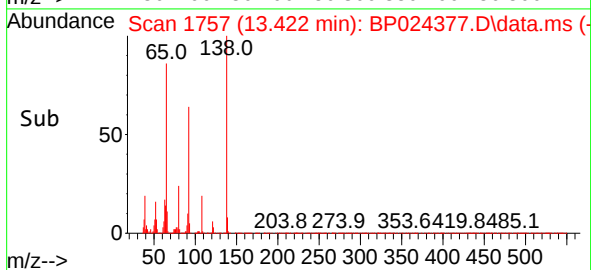
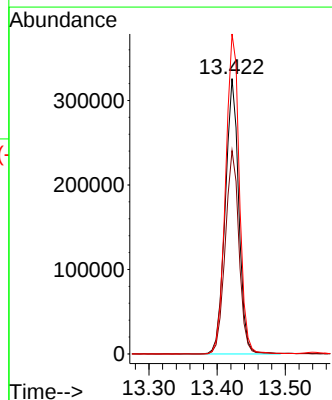
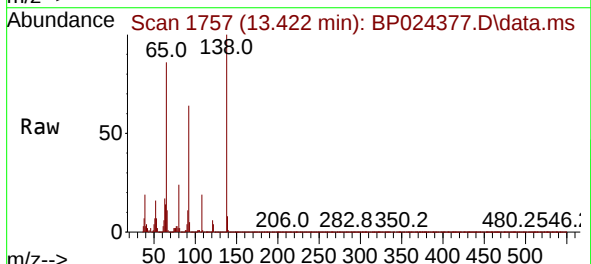
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

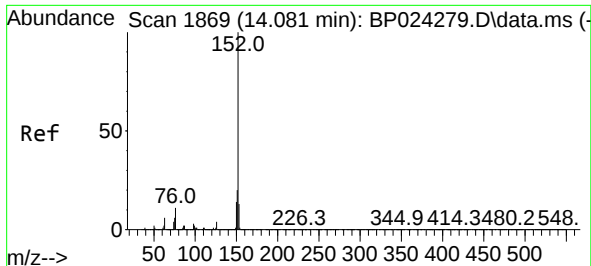
Tgt Ion:162 Resp: 1544814  
Ion Ratio Lower Upper  
162 100  
127 41.8 31.9 47.9  
164 32.7 26.2 39.4



#48  
2-Nitroaniline  
Concen: 47.622 ng  
RT: 13.422 min Scan# 1757  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion: 65 Resp: 452272  
Ion Ratio Lower Upper  
65 100  
92 73.9 62.3 93.5  
138 116.2 97.2 145.8

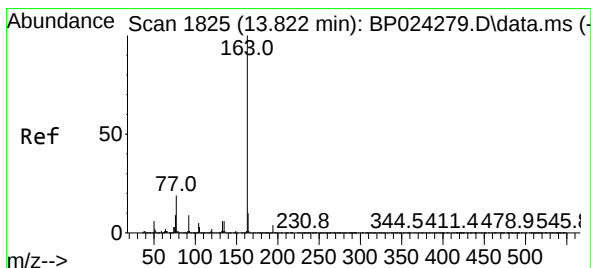
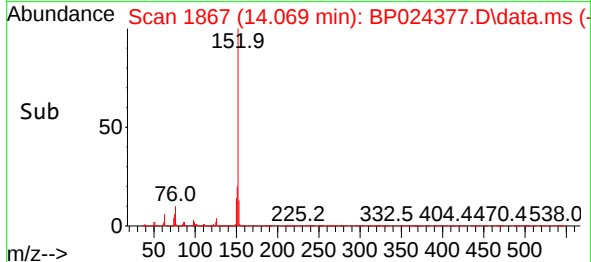
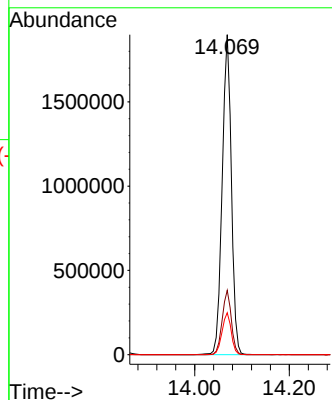
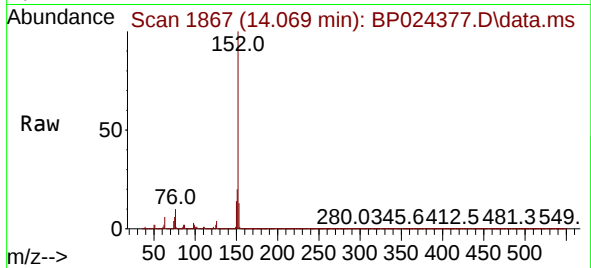




#49  
Acenaphthylene  
Concen: 47.747 ng  
RT: 14.069 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

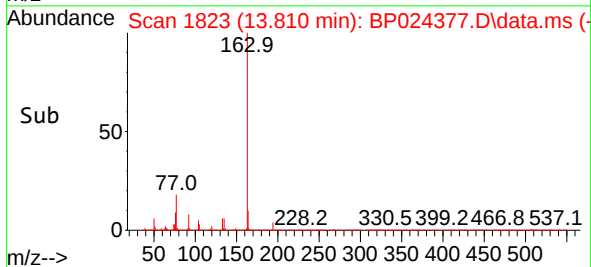
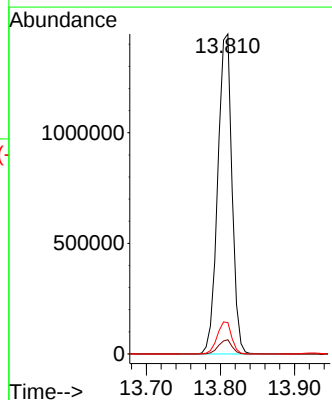
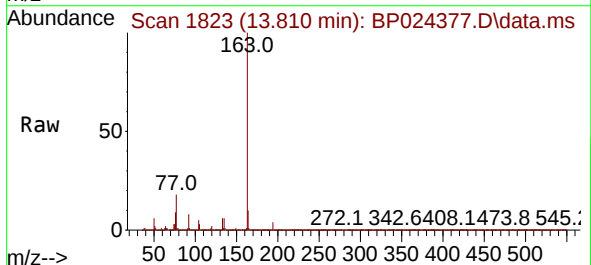
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

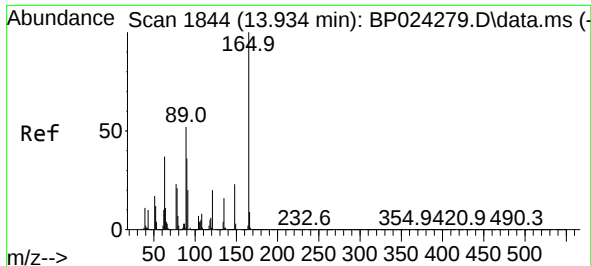
Tgt Ion:152 Resp: 2545203  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.9 23.9  
153 13.1 10.6 15.8



#50  
Dimethylphthalate  
Concen: 42.939 ng  
RT: 13.810 min Scan# 1823  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:163 Resp: 1924444  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.5 5.3  
164 9.8 8.0 12.0

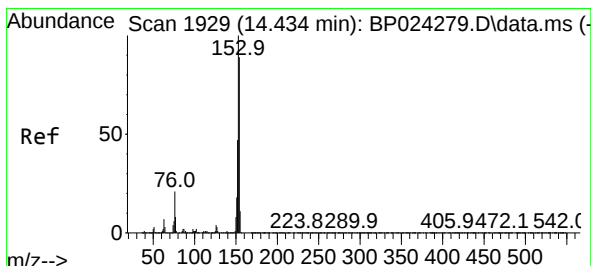
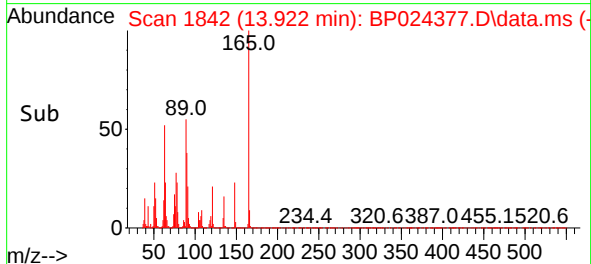
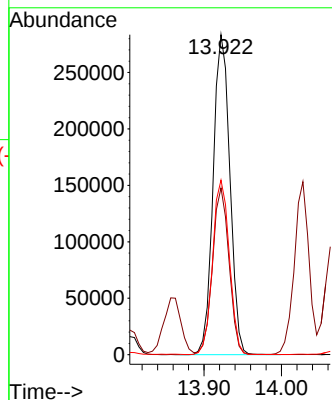
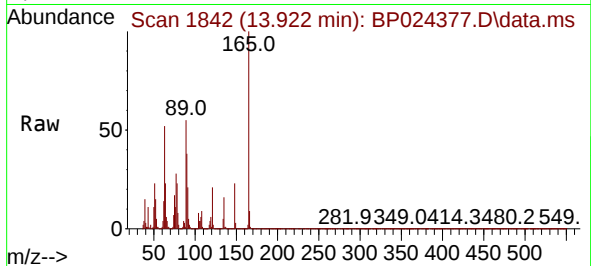




#51  
2,6-Dinitrotoluene  
Concen: 44.703 ng  
RT: 13.922 min Scan# 1842  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

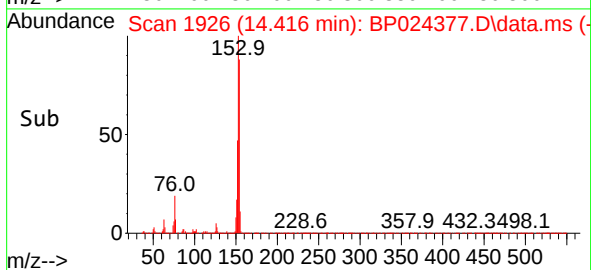
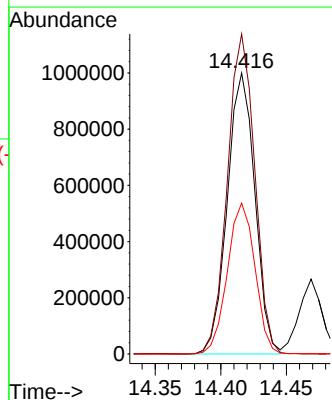
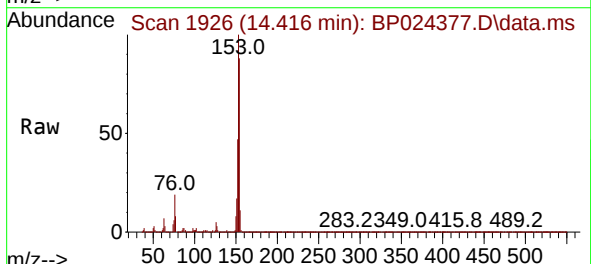
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

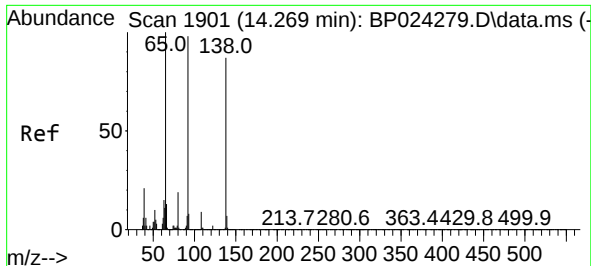
Tgt Ion:165 Resp: 425444  
Ion Ratio Lower Upper  
165 100  
63 52.1 38.0 57.0  
89 54.6 41.7 62.5



#52  
Acenaphthene  
Concen: 43.340 ng  
RT: 14.416 min Scan# 1926  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:154 Resp: 1464655  
Ion Ratio Lower Upper  
154 100  
153 113.9 89.8 134.6  
152 53.7 42.6 63.8

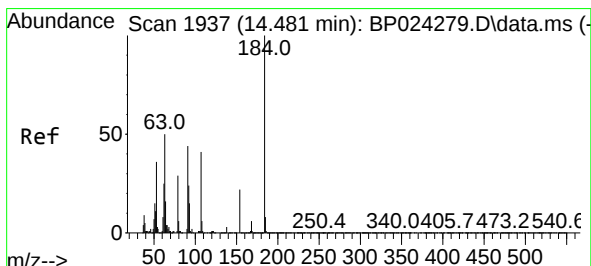
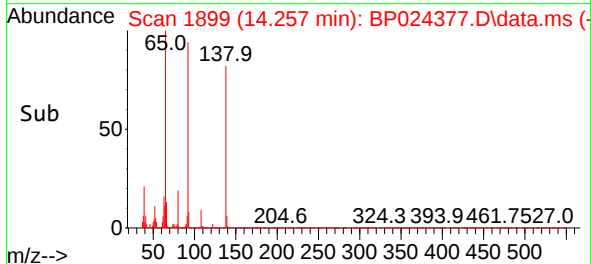
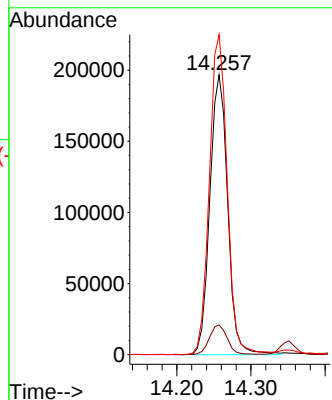
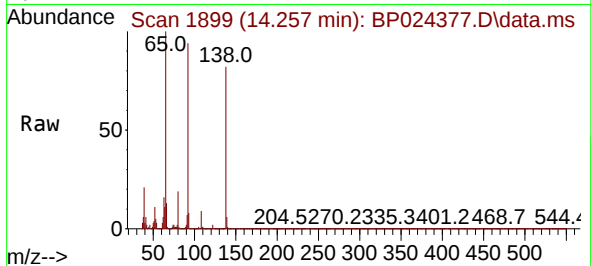




#53  
3-Nitroaniline  
Concen: 32.890 ng  
RT: 14.257 min Scan# 1899  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

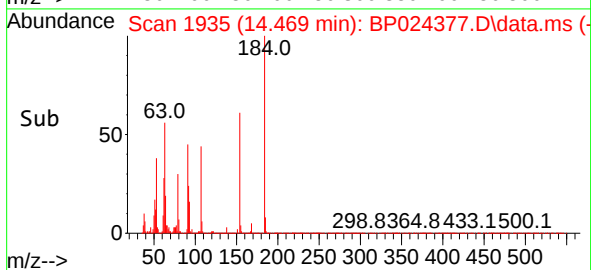
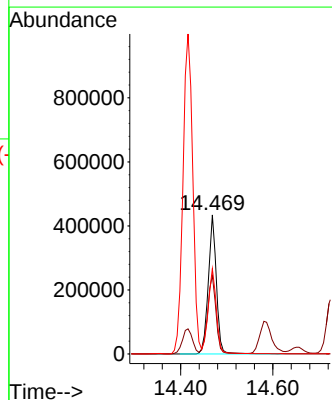
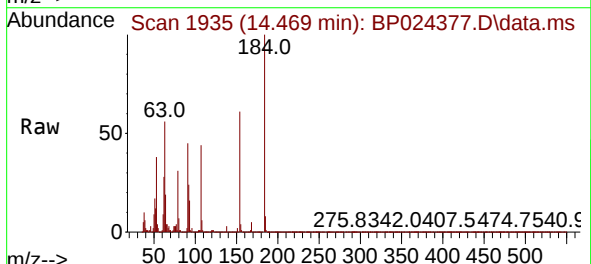
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

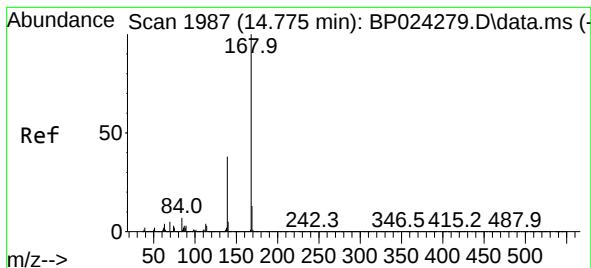
Tgt Ion:138 Resp: 328988  
Ion Ratio Lower Upper  
138 100  
108 10.6 8.3 12.5  
92 114.3 89.8 134.8



#54  
2,4-Dinitrophenol  
Concen: 95.680 ng  
RT: 14.469 min Scan# 1935  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:184 Resp: 536380  
Ion Ratio Lower Upper  
184 100  
63 56.4 42.6 64.0  
154 61.4 47.2 70.8

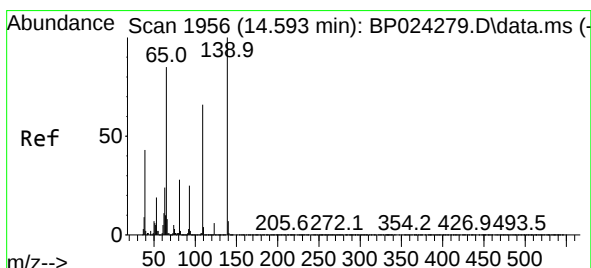
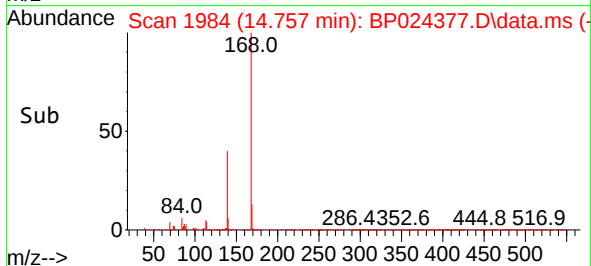
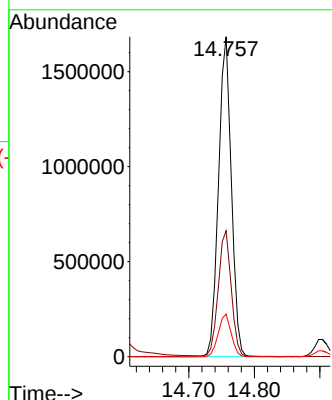
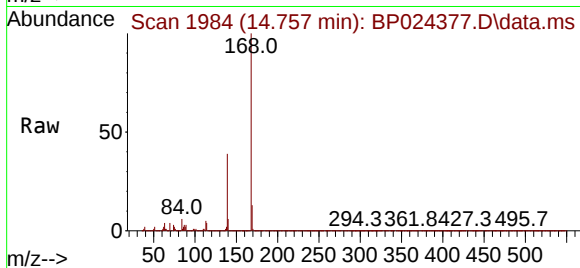




#55  
Dibenzofuran  
Concen: 41.110 ng  
RT: 14.757 min Scan# 1984  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

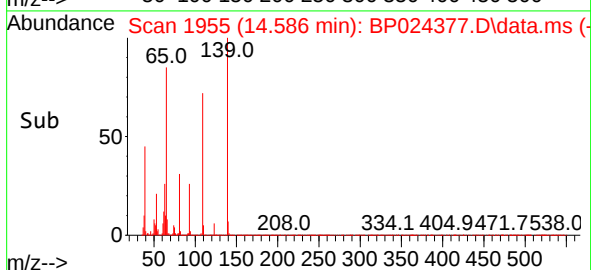
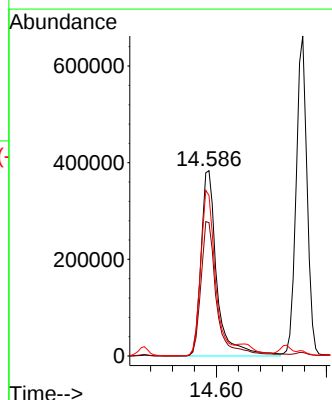
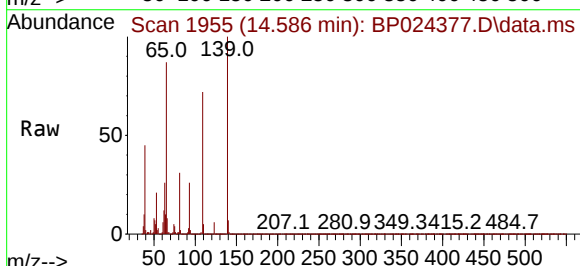
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

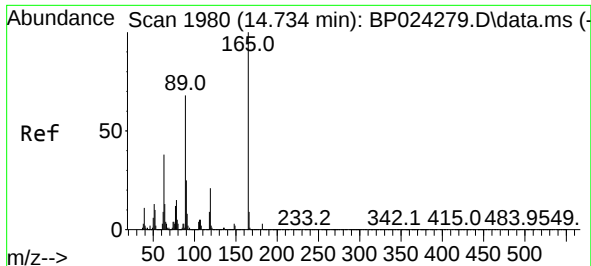
Tgt Ion:168 Resp: 2270901  
Ion Ratio Lower Upper  
168 100  
139 39.3 30.3 45.5  
169 13.3 10.6 16.0



#56  
4-Nitrophenol  
Concen: 89.062 ng  
RT: 14.586 min Scan# 1955  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:139 Resp: 769391  
Ion Ratio Lower Upper  
139 100  
109 72.0 46.1 86.1  
65 86.6 65.0 105.0

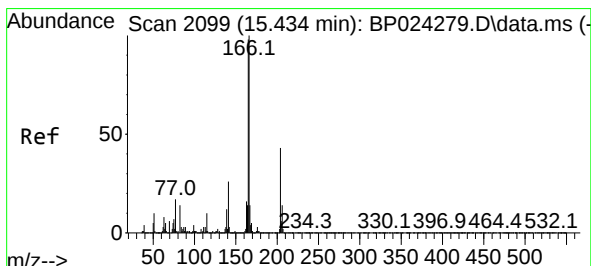
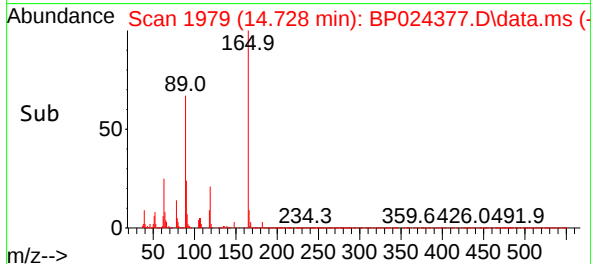
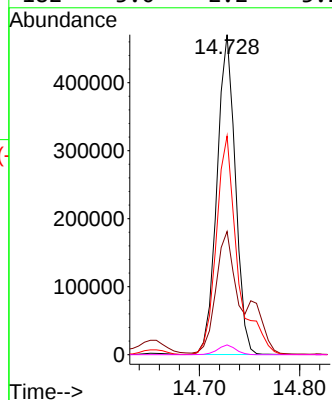
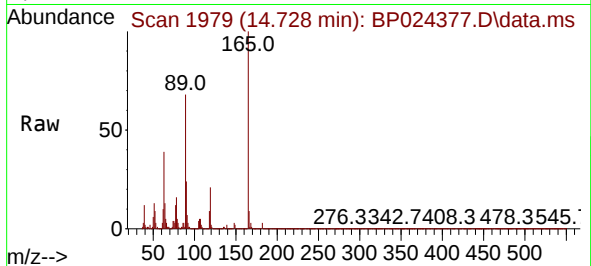




#57  
2,4-Dinitrotoluene  
Concen: 46.058 ng  
RT: 14.728 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

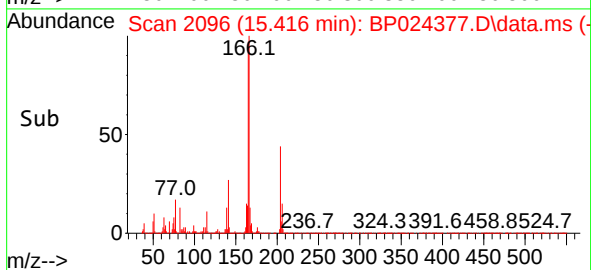
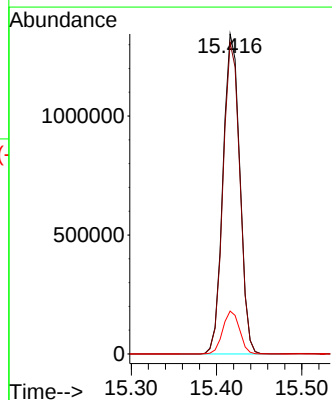
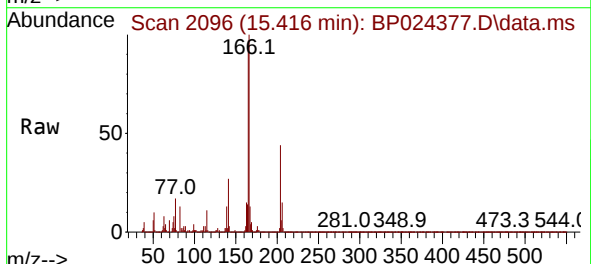
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

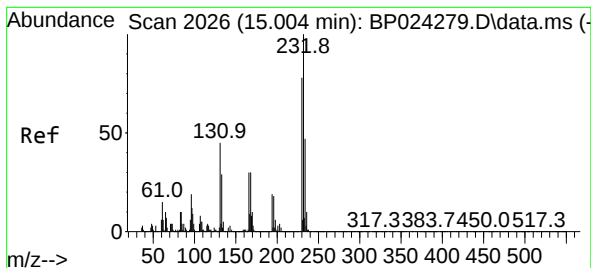
Tgt Ion:165 Resp: 597944  
Ion Ratio Lower Upper  
165 100  
63 38.5 30.4 45.6  
89 68.4 54.6 82.0  
182 3.0 2.2 3.2



#58  
Fluorene  
Concen: 43.074 ng  
RT: 15.416 min Scan# 2096  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:166 Resp: 1841968  
Ion Ratio Lower Upper  
166 100  
165 97.3 78.1 117.1  
167 13.4 10.9 16.3

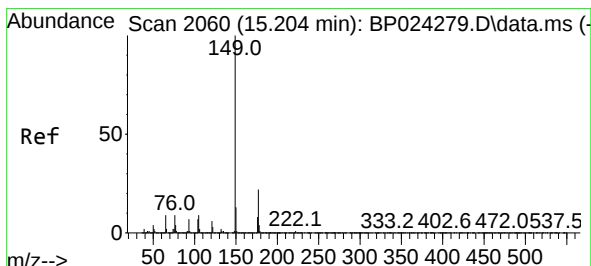
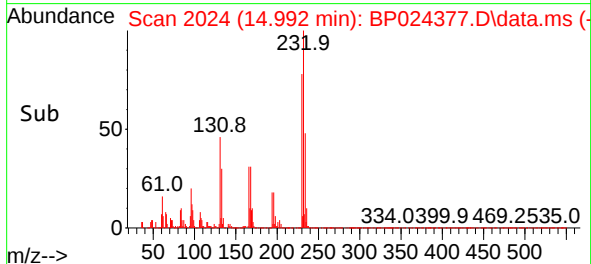
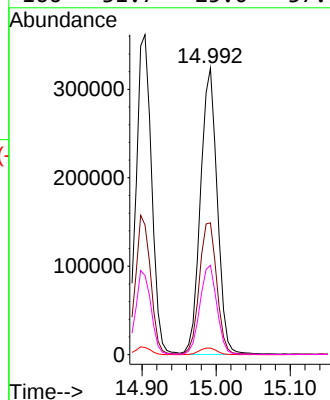
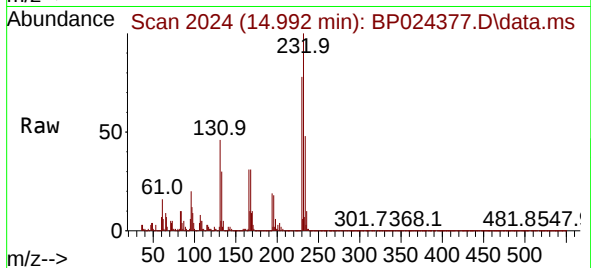




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.209 ng  
RT: 14.992 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

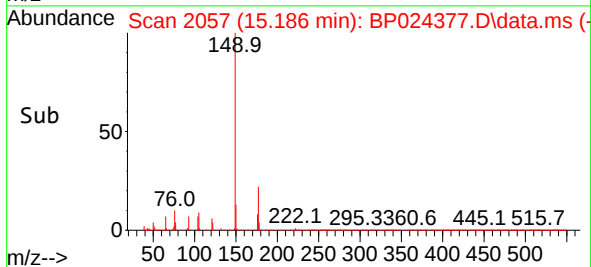
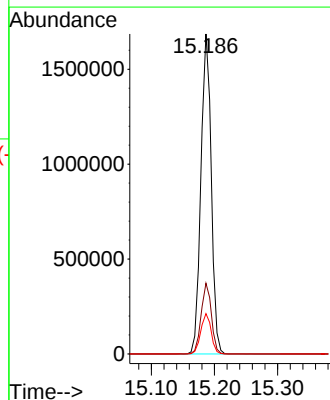
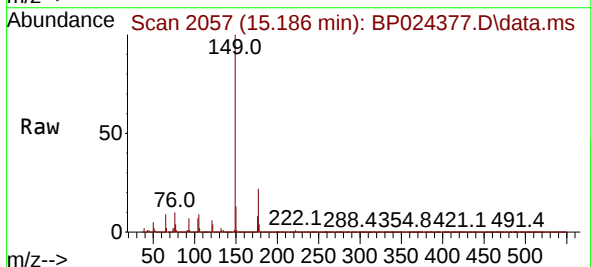
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

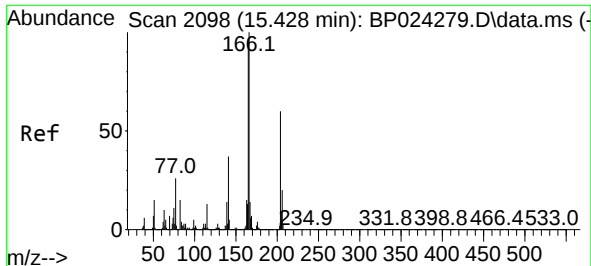
Tgt Ion:232 Resp: 508781  
Ion Ratio Lower Upper  
232 100  
131 47.9 36.8 55.2  
130 2.5 1.9 2.9  
166 31.7 25.0 37.6



#60  
Diethylphthalate  
Concen: 41.305 ng  
RT: 15.186 min Scan# 2057  
Delta R.T. -0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:149 Resp: 1907738  
Ion Ratio Lower Upper  
149 100  
177 22.1 17.4 26.2  
150 12.6 10.1 15.1

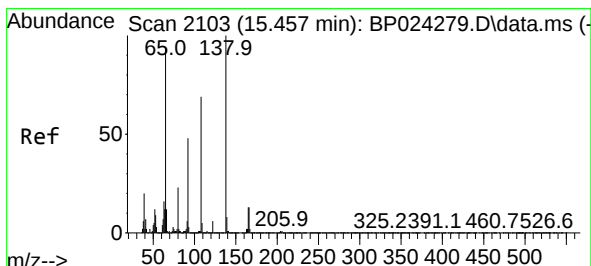
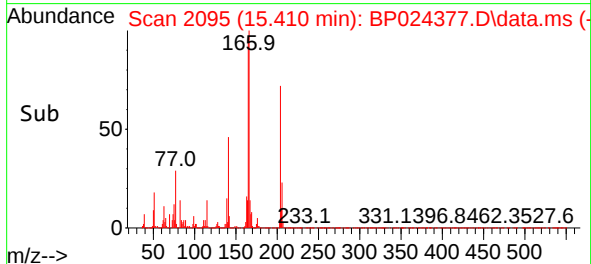
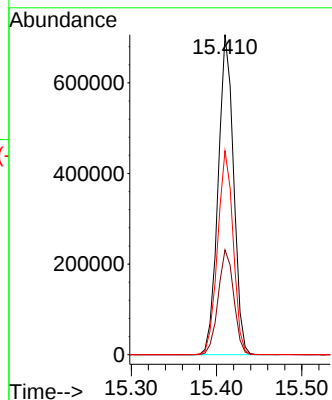
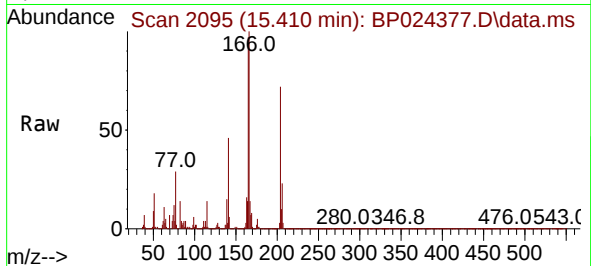




#61  
4-Chlorophenyl-phenylether  
Concen: 42.800 ng  
RT: 15.410 min Scan# 2095  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

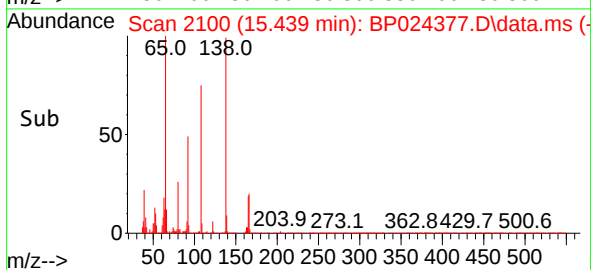
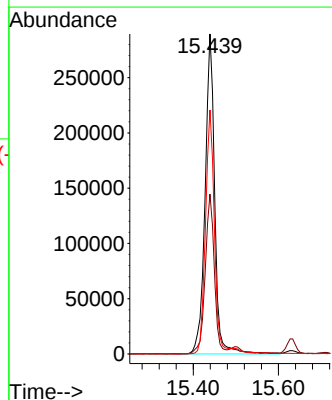
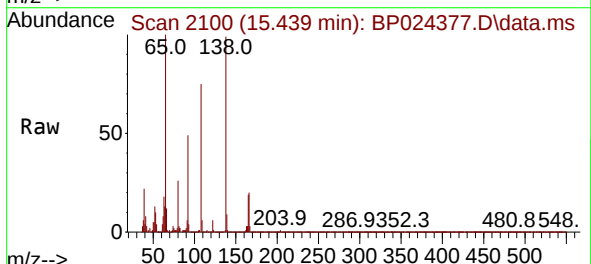
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

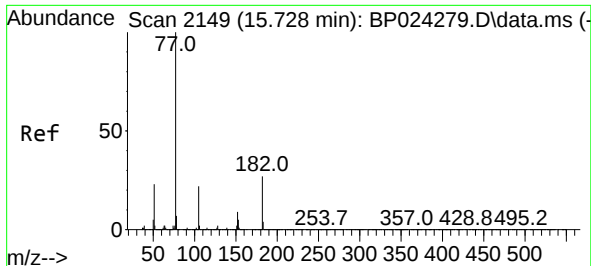
Tgt Ion:204 Resp: 888765  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.5 39.7  
141 63.7 49.4 74.0



#62  
4-Nitroaniline  
Concen: 42.859 ng  
RT: 15.439 min Scan# 2100  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:138 Resp: 453828  
Ion Ratio Lower Upper  
138 100  
92 50.0 27.8 67.8  
108 76.3 48.9 88.9



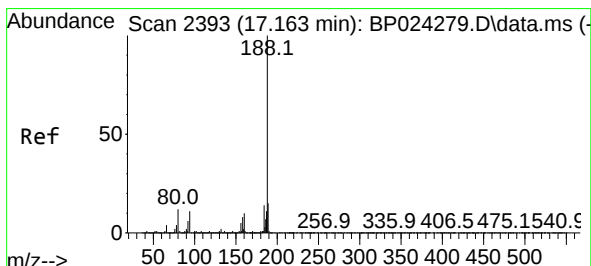
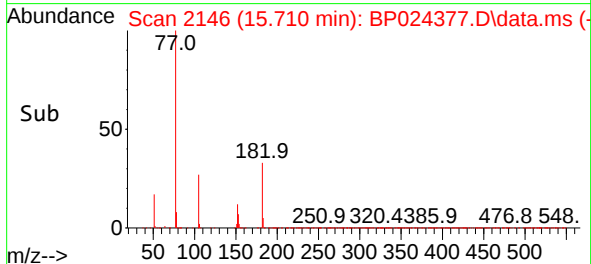
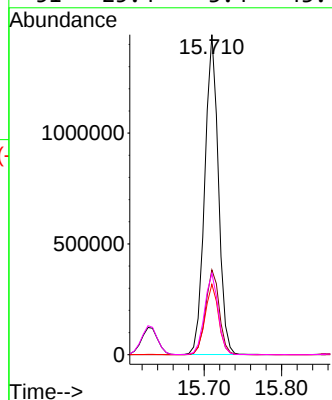
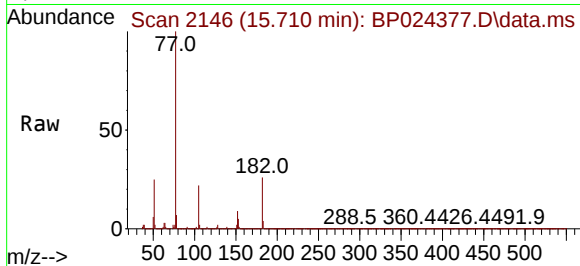


#63  
Azobenzene  
Concen: 41.404 ng  
RT: 15.710 min Scan# 2149  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

Tgt Ion: 77 Resp: 1757631

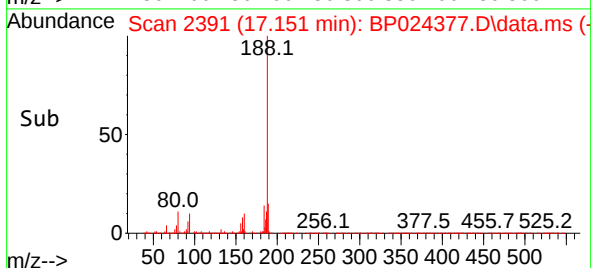
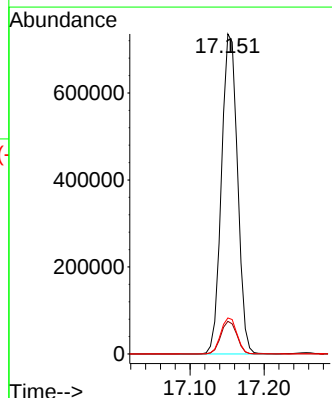
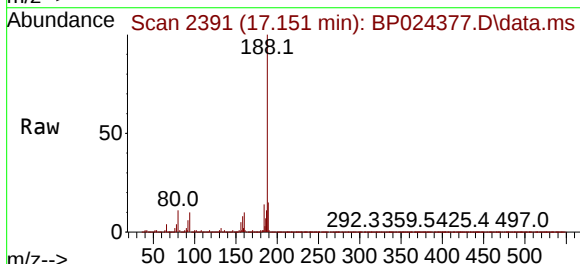
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 26.5  | 7.3   | 47.3  |
| 105 | 22.0  | 2.3   | 42.3  |
| 51  | 25.4  | 3.4   | 43.4  |

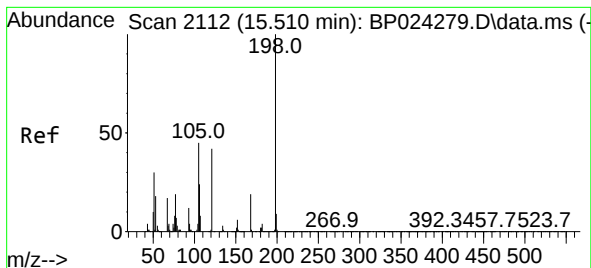


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.151 min Scan# 2391  
Delta R.T. 0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion: 188 Resp: 1105871

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 10.2  | 8.6   | 13.0  |
| 80  | 11.3  | 9.8   | 14.6  |

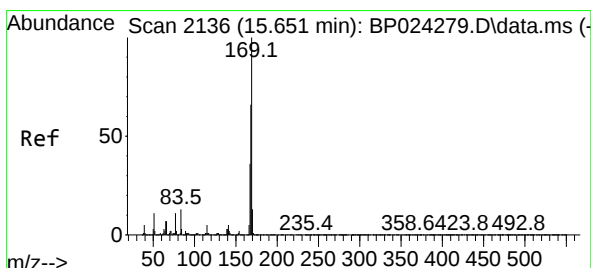
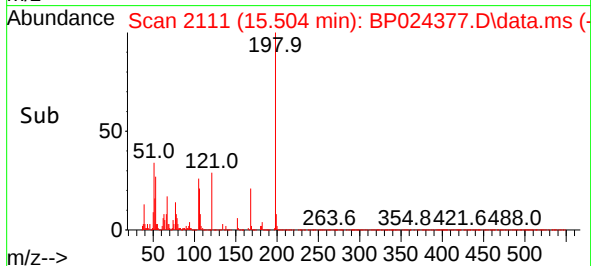
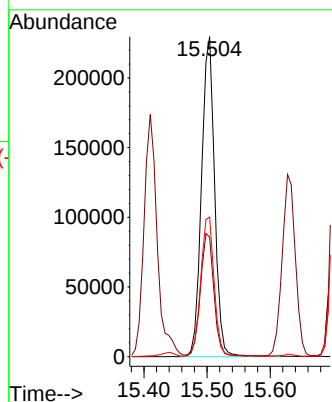
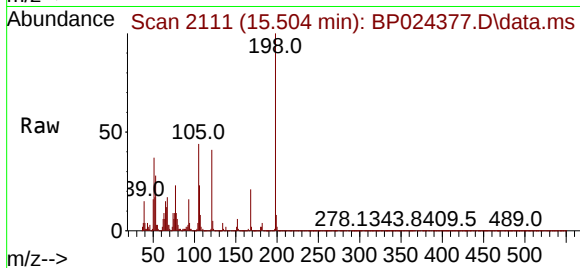




#65  
4,6-Dinitro-2-methylphenol  
Concen: 47.306 ng  
RT: 15.504 min Scan# 2111  
Delta R.T. 0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

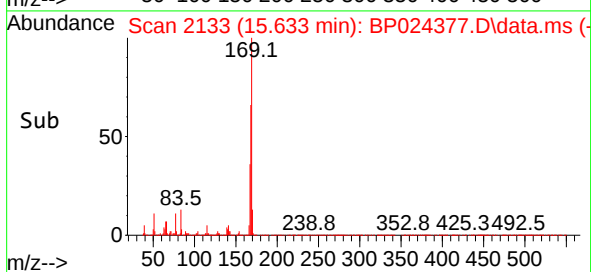
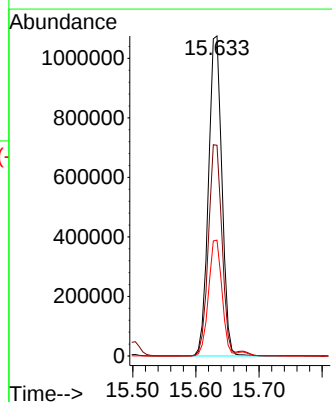
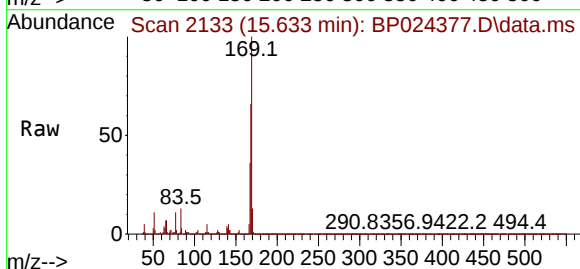
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

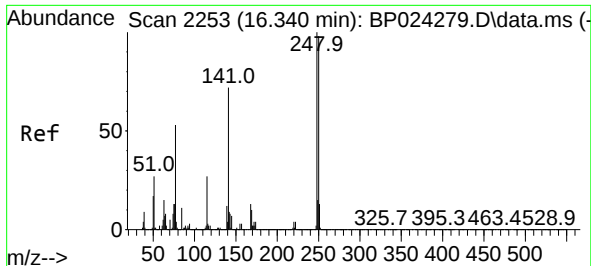
Tgt Ion:198 Resp: 329825  
Ion Ratio Lower Upper  
198 100  
51 37.3 18.4 58.4  
105 43.6 26.5 66.5



#66  
n-Nitrosodiphenylamine  
Concen: 48.193 ng  
RT: 15.633 min Scan# 2133  
Delta R.T. 0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:169 Resp: 1590725  
Ion Ratio Lower Upper  
169 100  
168 65.9 53.0 79.4  
167 36.2 28.9 43.3

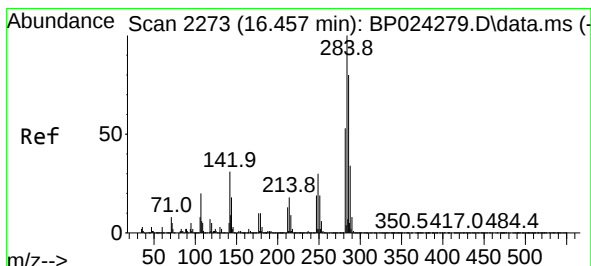
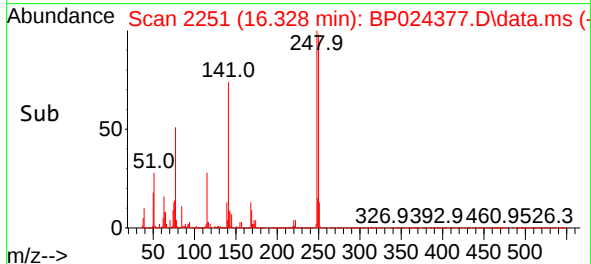
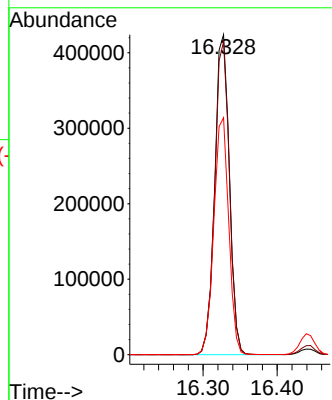
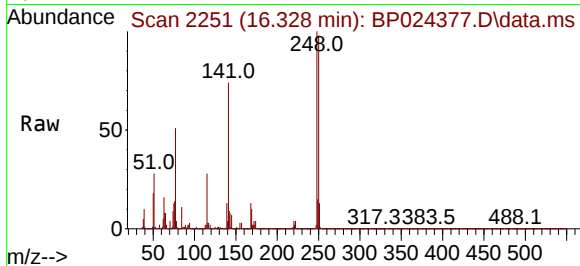




#67  
4-Bromophenyl-phenylether  
Concen: 48.213 ng  
RT: 16.328 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

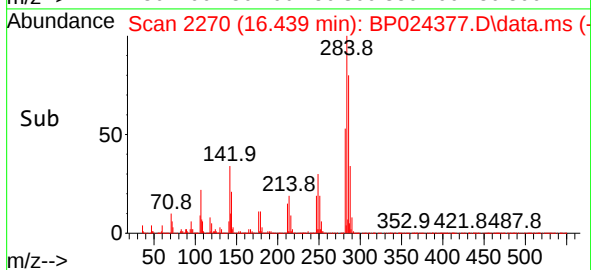
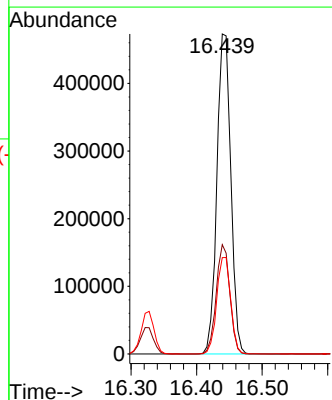
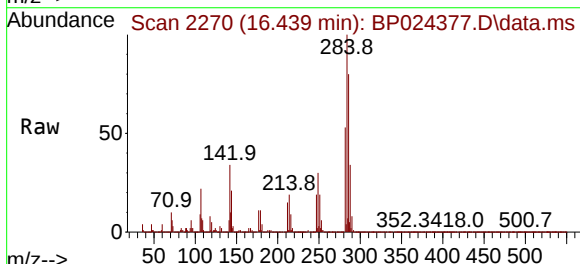
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

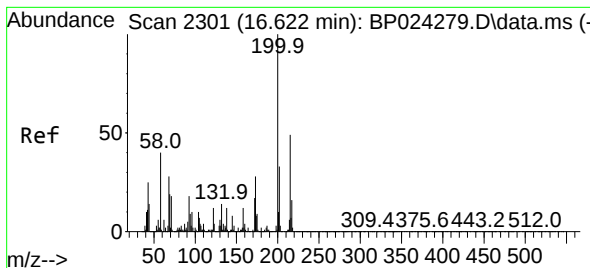
Tgt Ion:248 Resp: 583126  
Ion Ratio Lower Upper  
248 100  
250 97.8 78.2 117.4  
141 74.0 57.7 86.5



#68  
Hexachlorobenzene  
Concen: 48.270 ng  
RT: 16.439 min Scan# 2270  
Delta R.T. -0.000 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:284 Resp: 693731  
Ion Ratio Lower Upper  
284 100  
142 34.1 24.6 37.0  
249 30.1 23.8 35.6





#69

Atrazine

Concen: 63.391 ng

RT: 16.616 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

Instrument :

BNA\_P

ClientSampleId :

PB167689BS

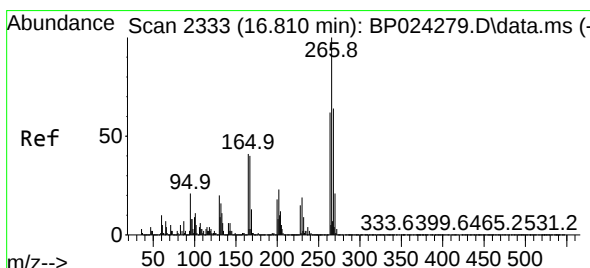
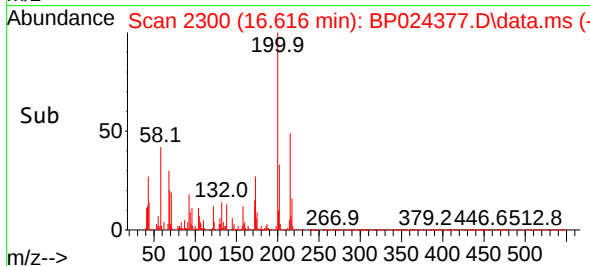
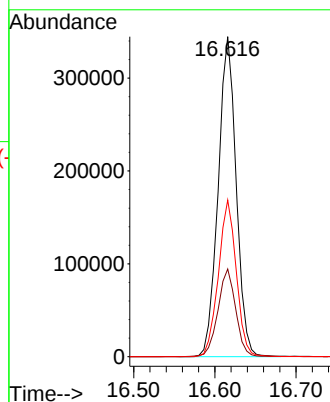
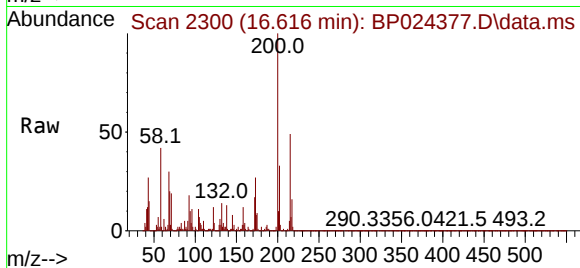
Tgt Ion:200 Resp: 532913

Ion Ratio Lower Upper

200 100

173 27.4 7.5 47.5

215 48.9 28.8 68.8



#70

Pentachlorophenol

Concen: 94.631 ng

RT: 16.804 min Scan# 2332

Delta R.T. 0.006 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

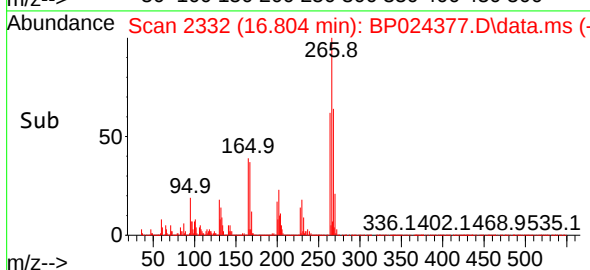
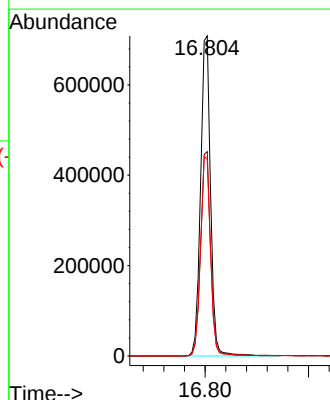
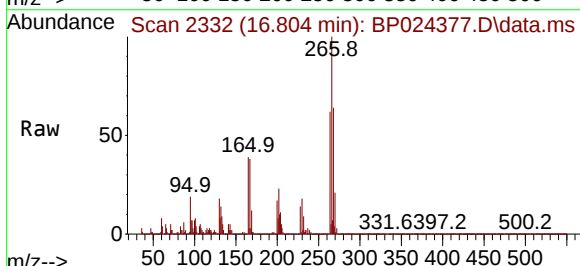
Tgt Ion:266 Resp: 948793

Ion Ratio Lower Upper

266 100

268 63.9 51.0 76.6

264 61.6 49.8 74.6





#71

Phenanthrene

Concen: 45.561 ng

RT: 17.198 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

Instrument :

BNA\_P

ClientSampleId :

PB167689BS

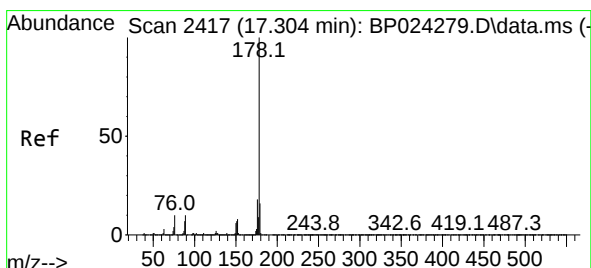
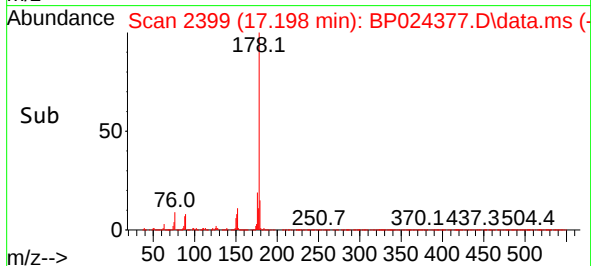
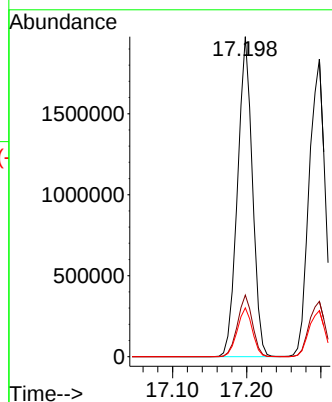
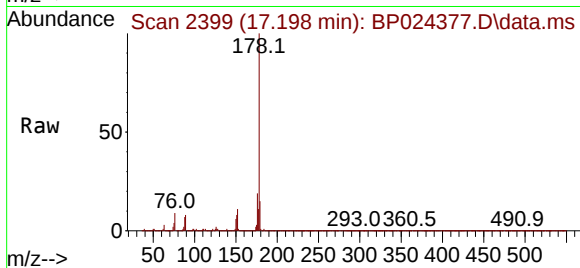
Tgt Ion:178 Resp: 2748609

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.2 12.5 18.7



#72

Anthracene

Concen: 48.020 ng

RT: 17.298 min Scan# 2416

Delta R.T. 0.012 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

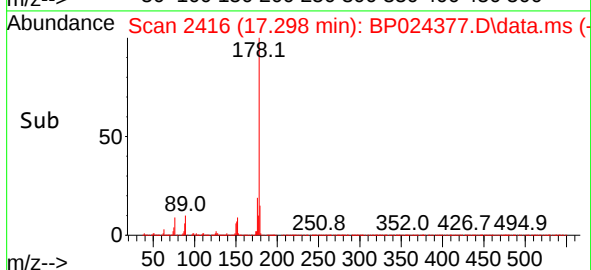
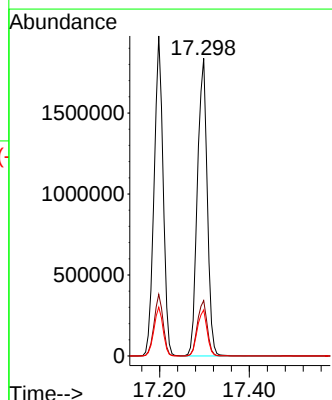
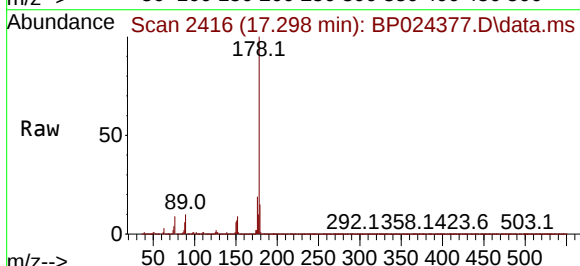
Tgt Ion:178 Resp: 2792099

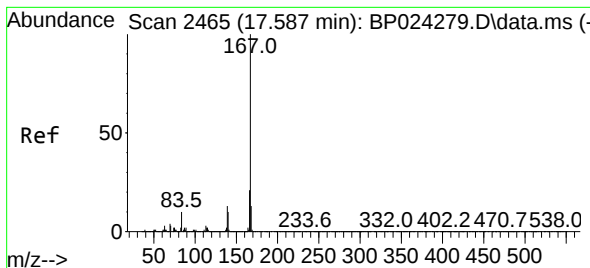
Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 15.5 12.4 18.6





#73

Carbazole

Concen: 45.277 ng

RT: 17.580 min Scan# 2465

Delta R.T. 0.012 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

Instrument :

BNA\_P

ClientSampleId :

PB167689BS

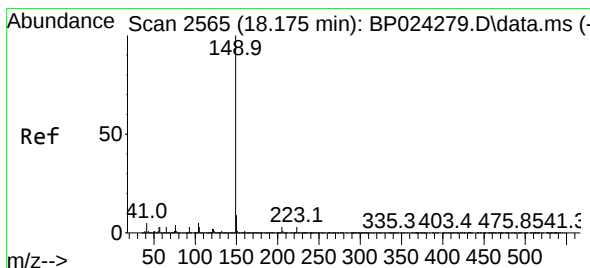
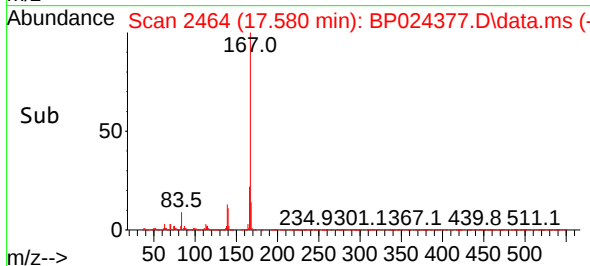
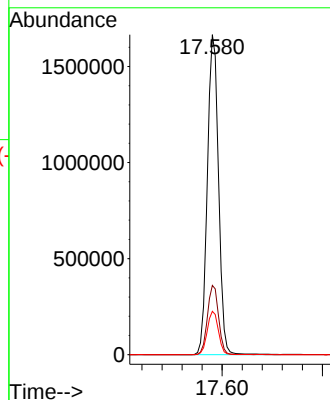
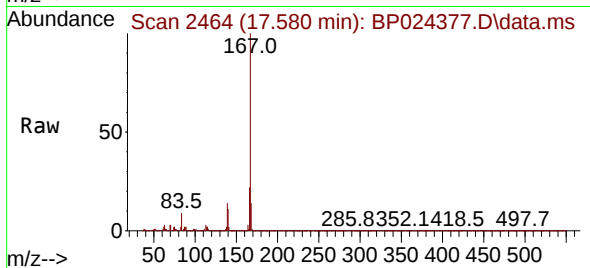
Tgt Ion:167 Resp: 2572283

Ion Ratio Lower Upper

167 100

166 21.6 17.1 25.7

139 13.5 10.6 16.0



#74

Di-n-butylphthalate

Concen: 44.612 ng

RT: 18.169 min Scan# 2564

Delta R.T. 0.012 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

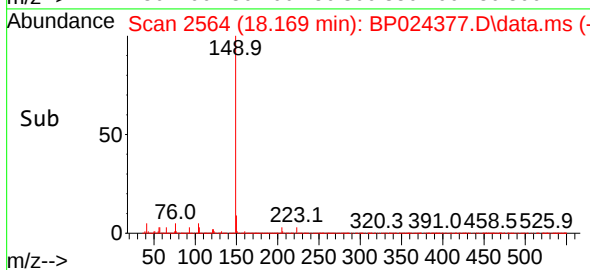
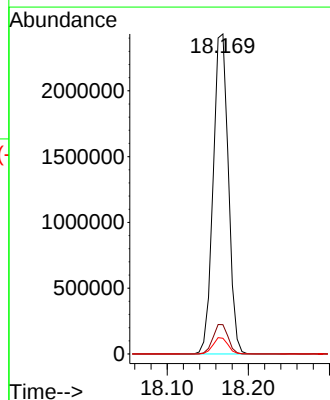
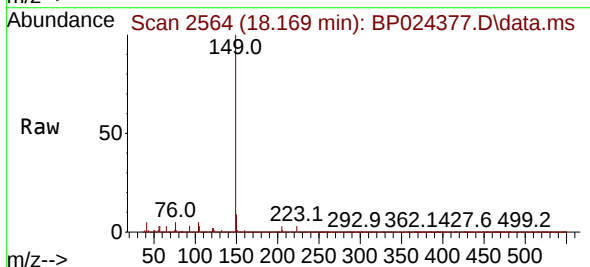
Tgt Ion:149 Resp: 3157583

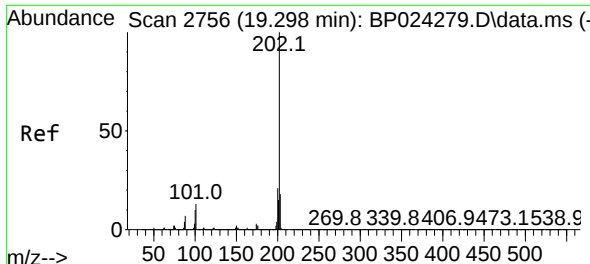
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 4.9 3.9 5.9

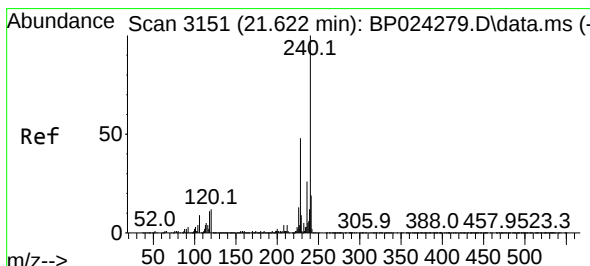
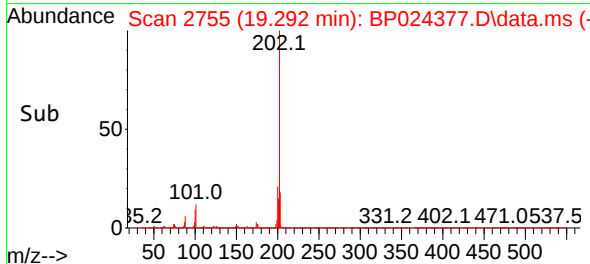
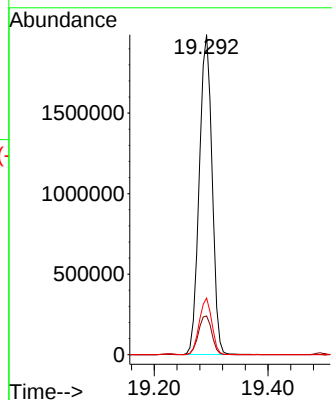
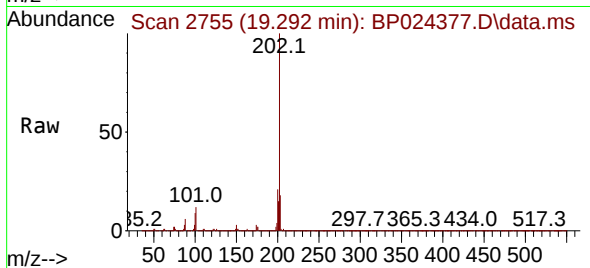




#75  
Fluoranthene  
Concen: 43.354 ng  
RT: 19.292 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

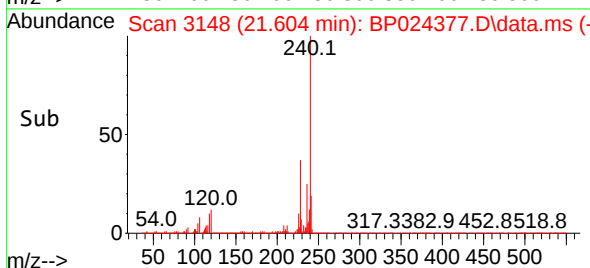
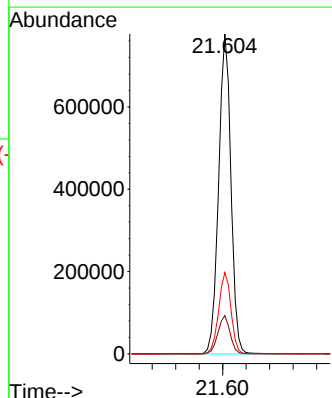
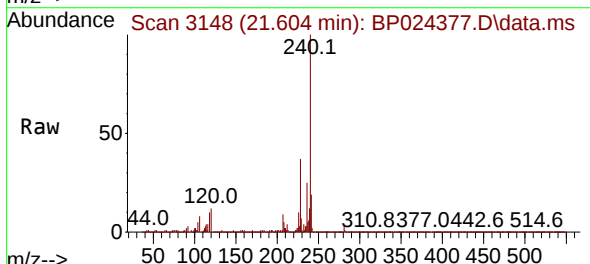
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

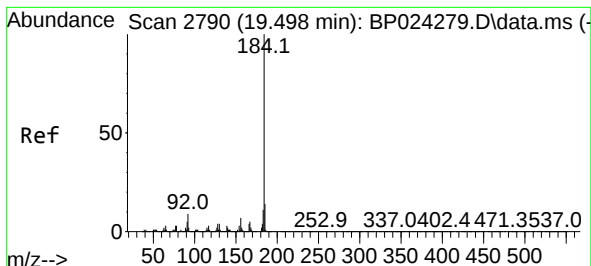
Tgt Ion:202 Resp: 3110667  
Ion Ratio Lower Upper  
202 100  
101 12.1 0.0 33.2  
203 17.7 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.604 min Scan# 3148  
Delta R.T. 0.012 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:240 Resp: 1129890  
Ion Ratio Lower Upper  
240 100  
120 12.0 9.8 14.8  
236 25.5 20.9 31.3





#77

Benzidine

Concen: 117.993 ng

RT: 19.492 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

Instrument :

BNA\_P

ClientSampleId :

PB167689BS

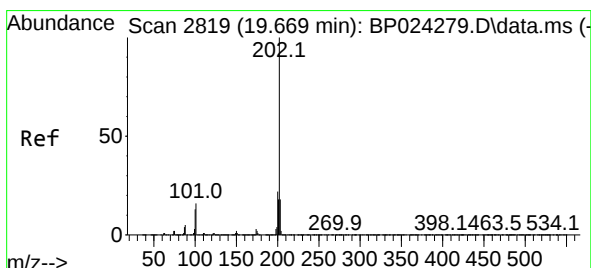
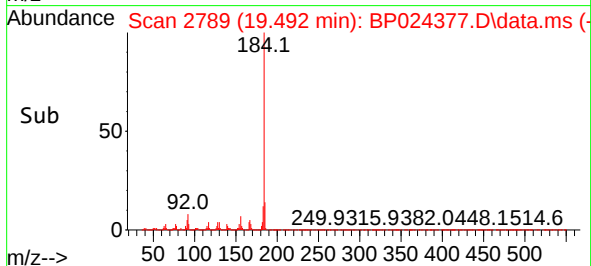
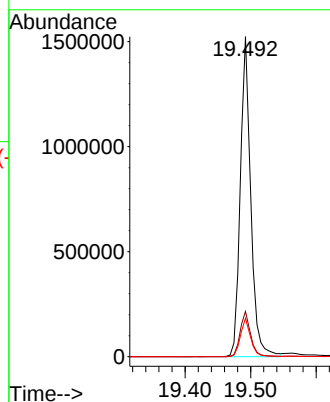
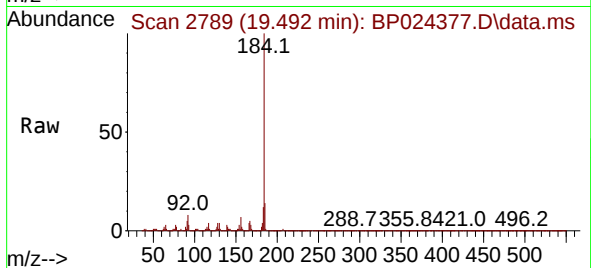
Tgt Ion:184 Resp: 1689935

Ion Ratio Lower Upper

184 100

185 14.2 11.6 17.4

183 12.0 9.2 13.8



#78

Pyrene

Concen: 44.654 ng

RT: 19.669 min Scan# 2819

Delta R.T. 0.018 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

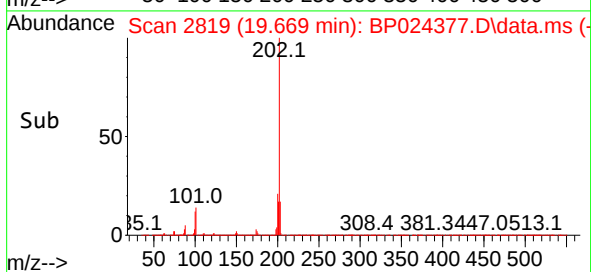
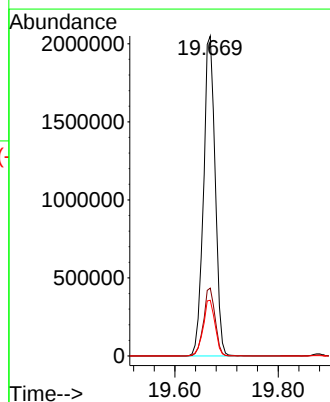
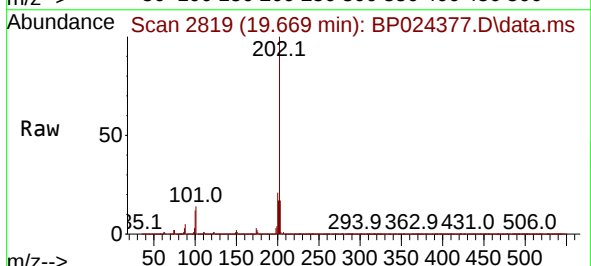
Tgt Ion:202 Resp: 3206398

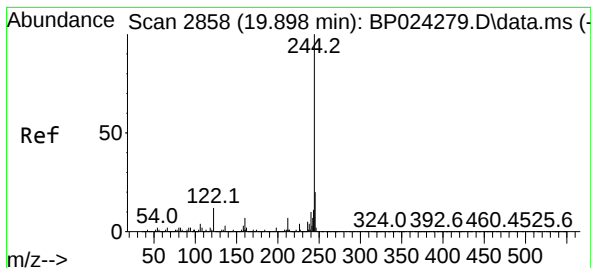
Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

203 17.4 14.4 21.6





#79

Terphenyl-d14

Concen: 88.544 ng

RT: 19.880 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

Instrument :

BNA\_P

ClientSampleId :

PB167689BS

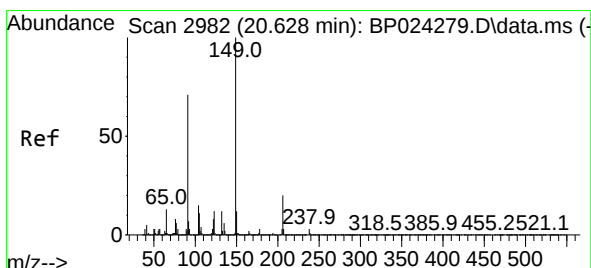
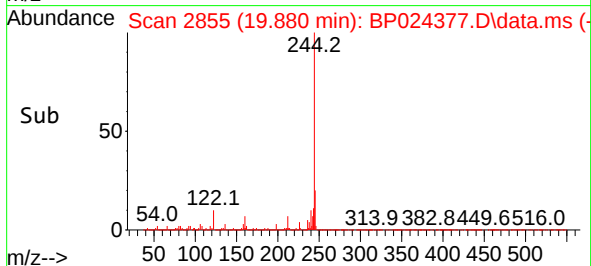
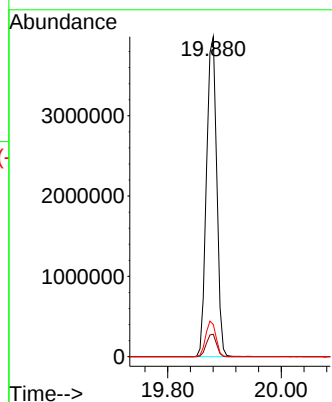
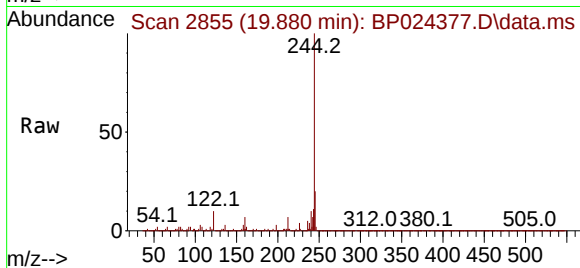
Tgt Ion:244 Resp: 4963460

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.1 9.4 14.0



#80

Butylbenzylphthalate

Concen: 47.964 ng

RT: 20.610 min Scan# 2979

Delta R.T. 0.006 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

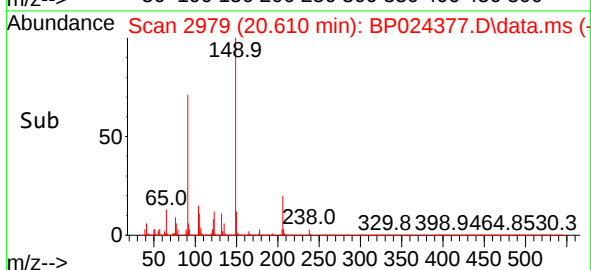
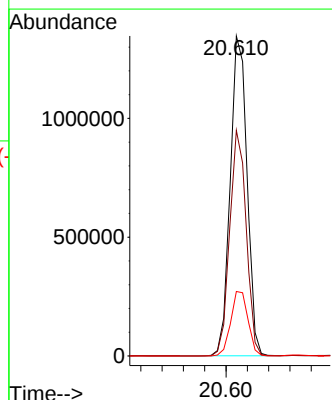
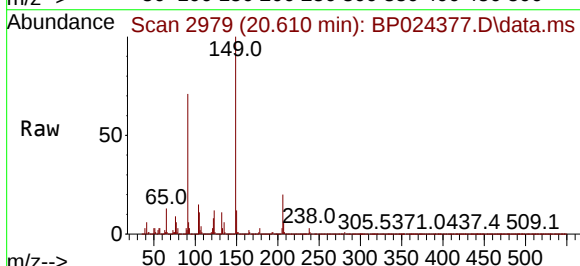
Tgt Ion:149 Resp: 1475186

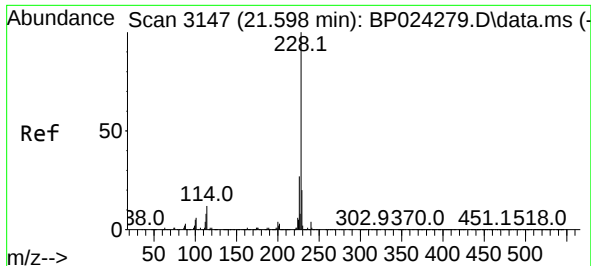
Ion Ratio Lower Upper

149 100

91 70.5 56.4 84.6

206 20.2 16.3 24.5

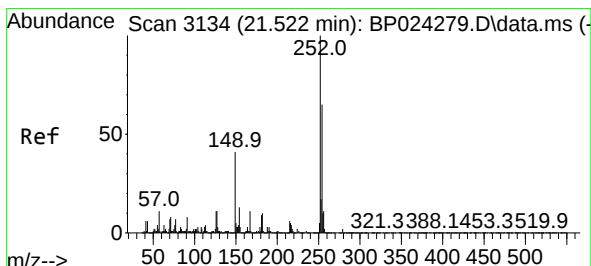
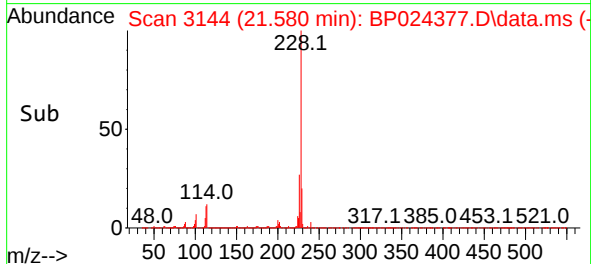
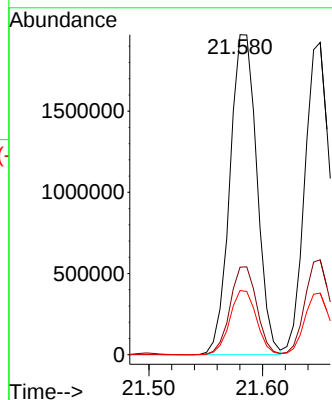
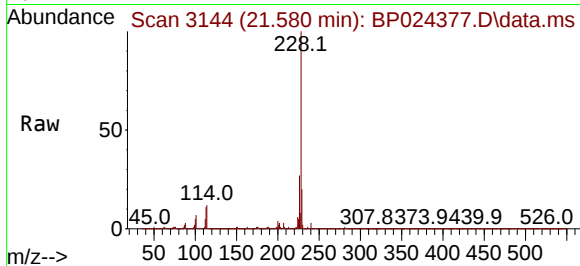




#81  
Benzo(a)anthracene  
Concen: 46.283 ng  
RT: 21.580 min Scan# 3147  
Delta R.T. 0.012 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

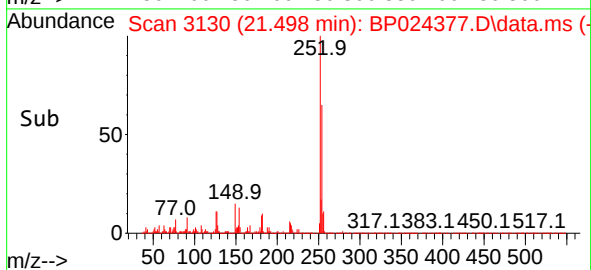
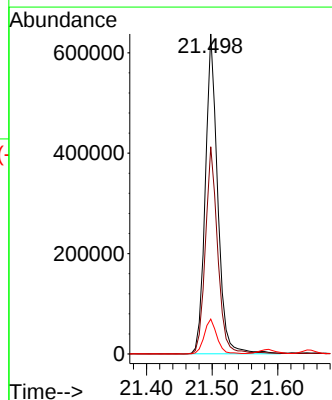
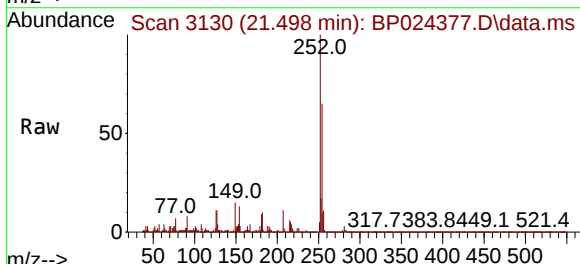
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

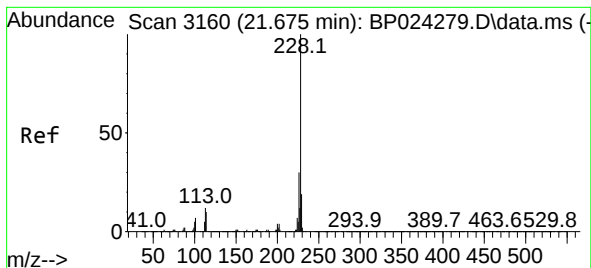
Tgt Ion:228 Resp: 3250449  
Ion Ratio Lower Upper  
228 100  
226 27.4 21.8 32.8  
229 20.0 15.9 23.9



#82  
3,3'-Dichlorobenzidine  
Concen: 34.021 ng  
RT: 21.498 min Scan# 3130  
Delta R.T. 0.006 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:252 Resp: 838608  
Ion Ratio Lower Upper  
252 100  
254 64.7 51.7 77.5  
126 10.9 8.8 13.2





#83

Chrysene

Concen: 44.923 ng

RT: 21.651 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

Instrument :

BNA\_P

ClientSampleId :

PB167689BS

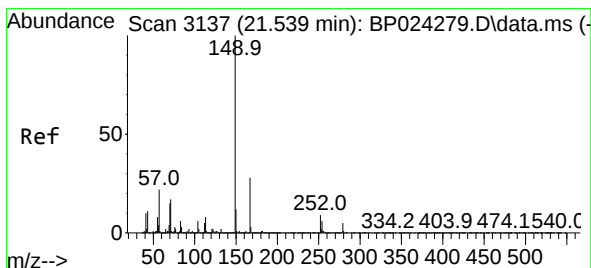
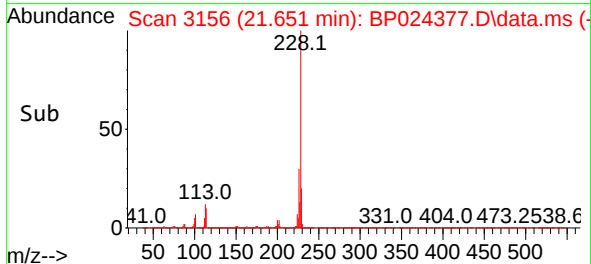
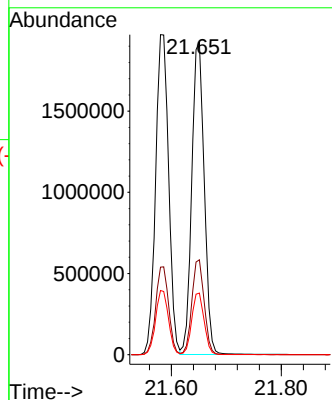
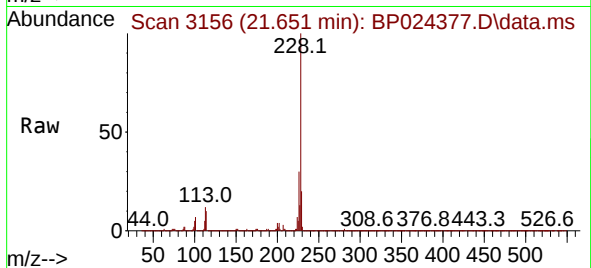
Tgt Ion:228 Resp: 3022588

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.728 ng

RT: 21.521 min Scan# 3134

Delta R.T. 0.012 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

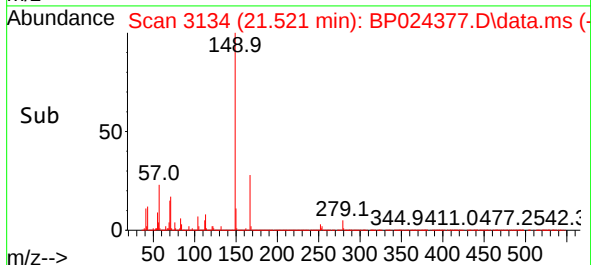
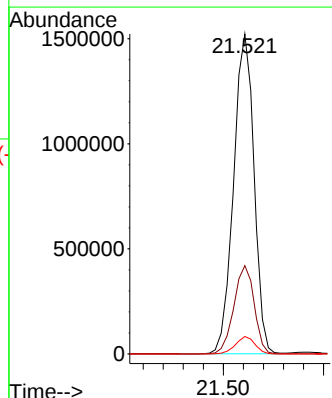
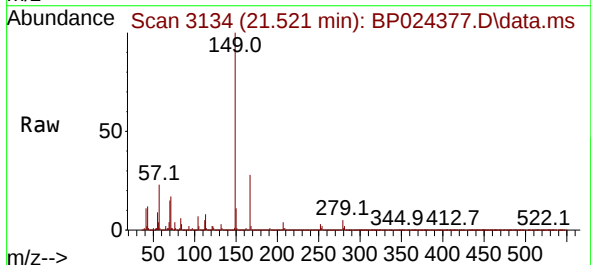
Tgt Ion:149 Resp: 2151924

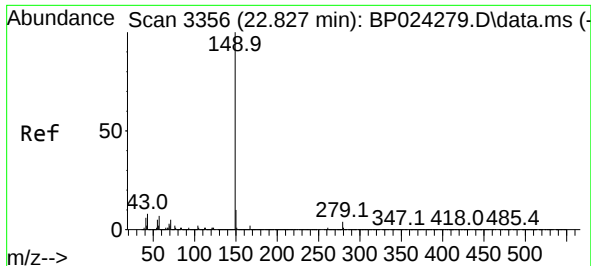
Ion Ratio Lower Upper

149 100

167 27.6 22.4 33.6

279 5.4 4.0 6.0

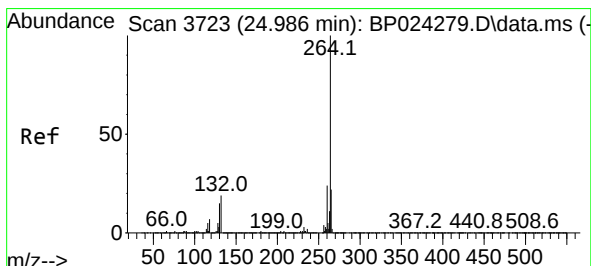
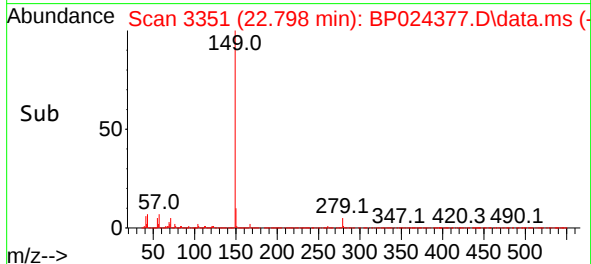
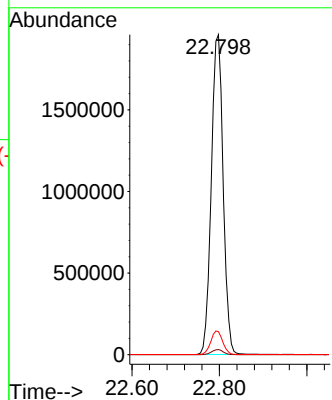
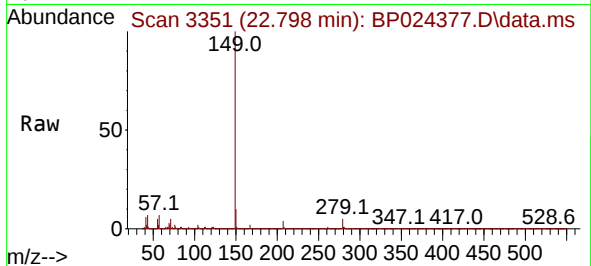




#85  
Di-n-octyl phthalate  
Concen: 50.309 ng  
RT: 22.798 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

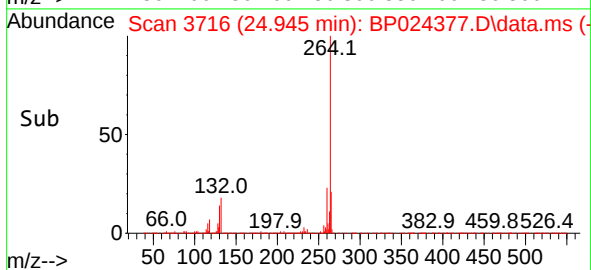
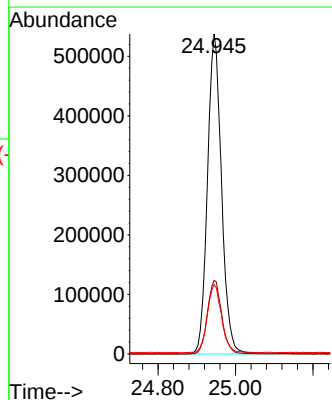
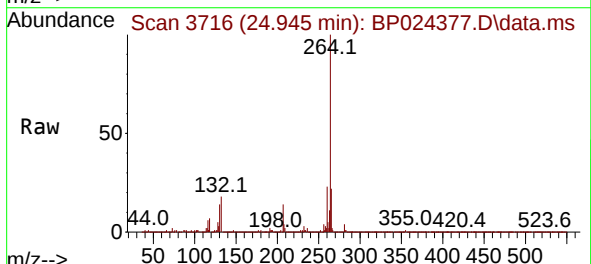
Instrument :  
BNA\_P  
ClientSampleId :  
PB167689BS

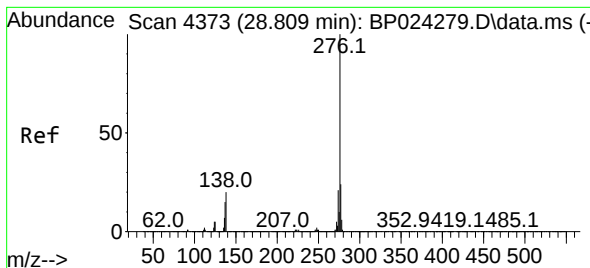
Tgt Ion:149 Resp: 3687587  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 7.5 6.0 9.0



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.945 min Scan# 3716  
Delta R.T. 0.012 min  
Lab File: BP024377.D  
Acq: 22 Apr 2025 13:56

Tgt Ion:264 Resp: 1348858  
Ion Ratio Lower Upper  
264 100  
260 23.0 18.9 28.3  
265 21.7 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.569 ng

RT: 28.756 min Scan# 41

Delta R.T. 0.018 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

Instrument :

BNA\_P

ClientSampleId :

PB167689BS

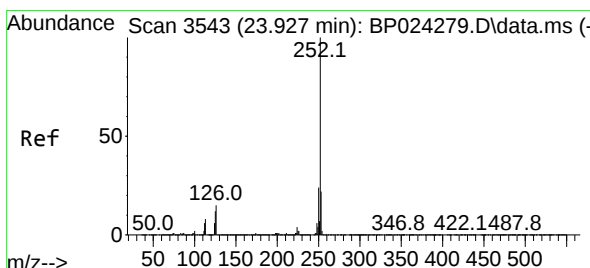
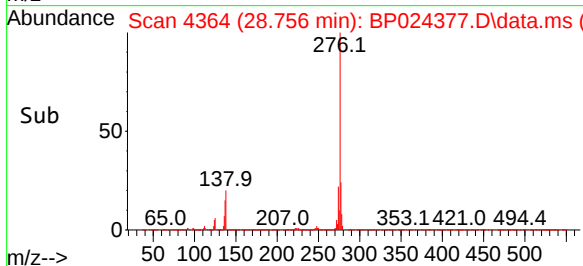
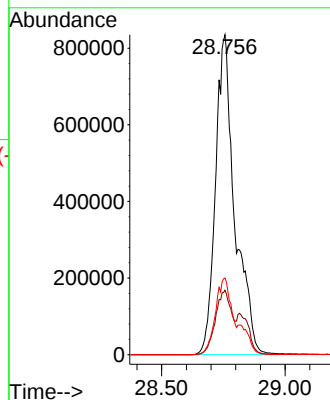
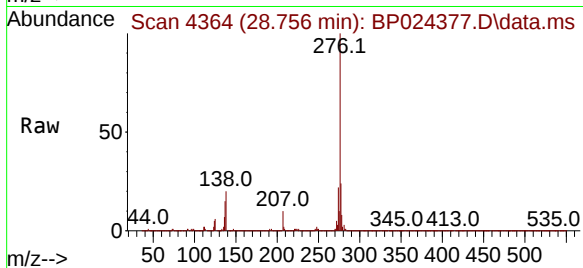
Tgt Ion:276 Resp: 4548196

Ion Ratio Lower Upper

276 100

138 16.9 14.5 21.7

277 19.9 20.2 30.2#



#88

Benzo(b)fluoranthene

Concen: 44.547 ng

RT: 23.892 min Scan# 3537

Delta R.T. 0.006 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

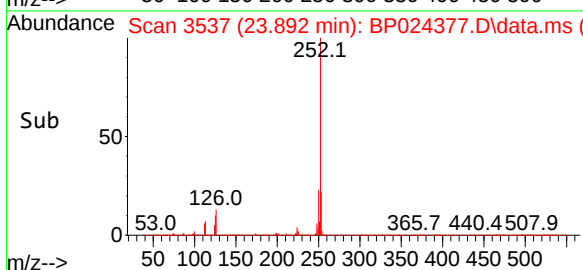
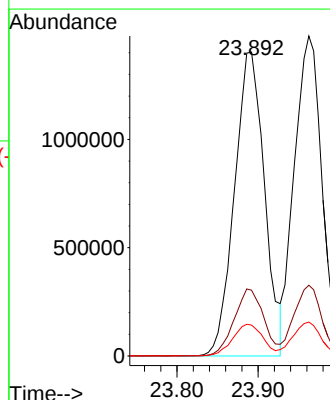
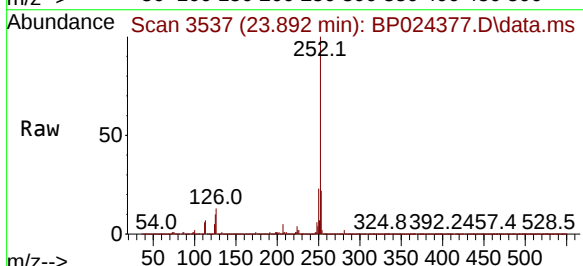
Tgt Ion:252 Resp: 3601706

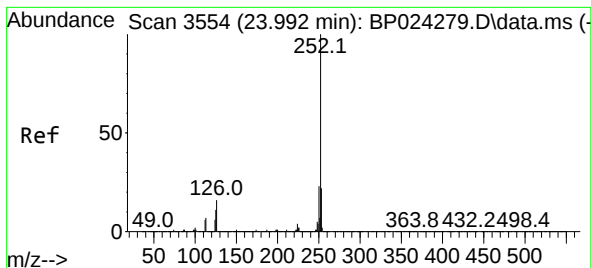
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 10.2 9.4 14.0





#89

Benzo(k)fluoranthene

Concen: 44.749 ng

RT: 23.962 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

Instrument :

BNA\_P

ClientSampleId :

PB167689BS

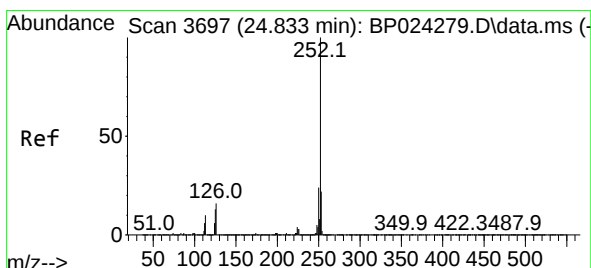
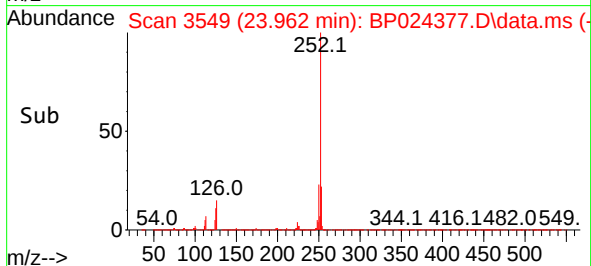
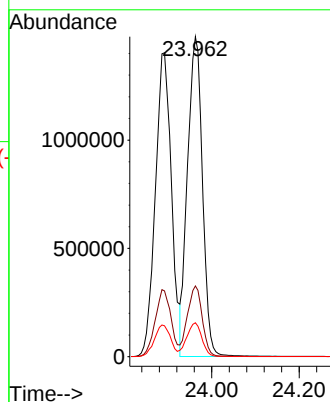
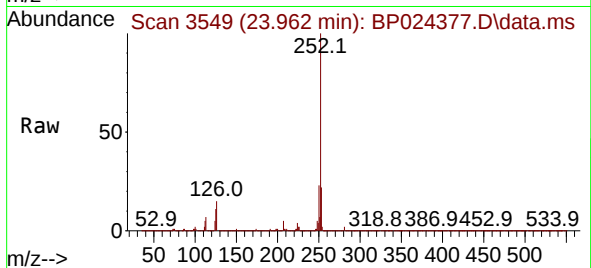
Tgt Ion:252 Resp: 3494803

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 10.6 9.1 13.7



#90

Benzo(a)pyrene

Concen: 49.727 ng

RT: 24.798 min Scan# 3691

Delta R.T. 0.018 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

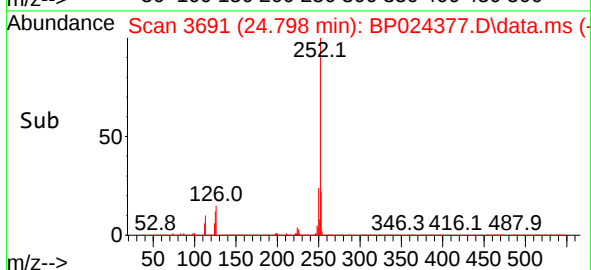
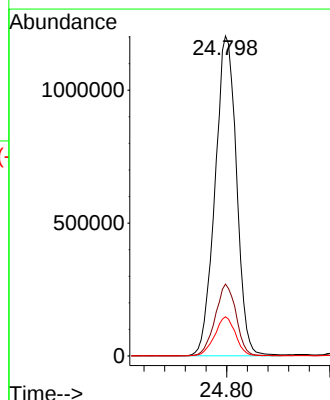
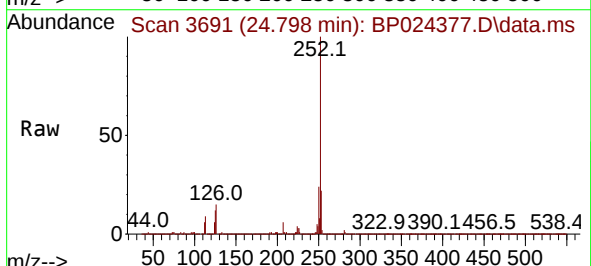
Tgt Ion:252 Resp: 3468066

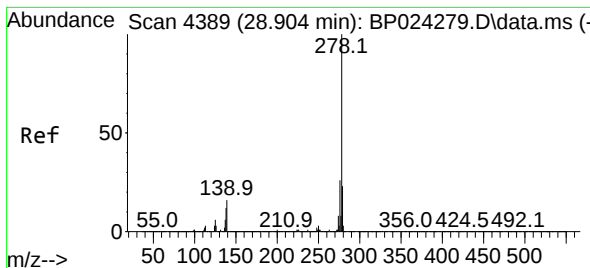
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 12.2 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 47.983 ng

RT: 28.827 min Scan# 41

Delta R.T. 0.023 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

Instrument :

BNA\_P

ClientSampleId :

PB167689BS

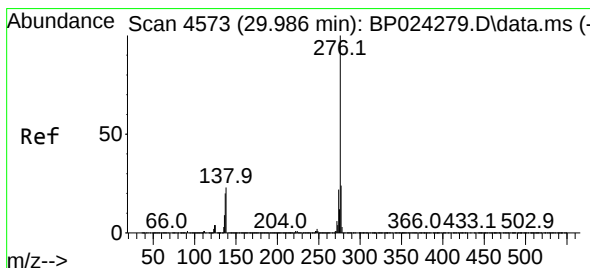
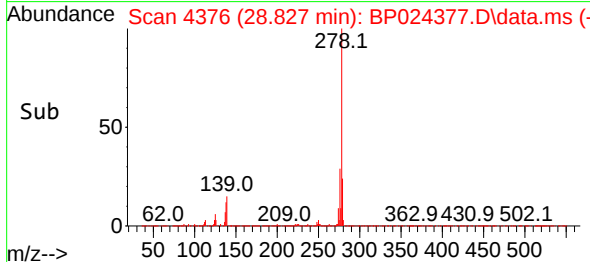
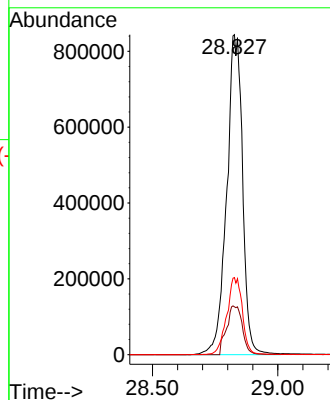
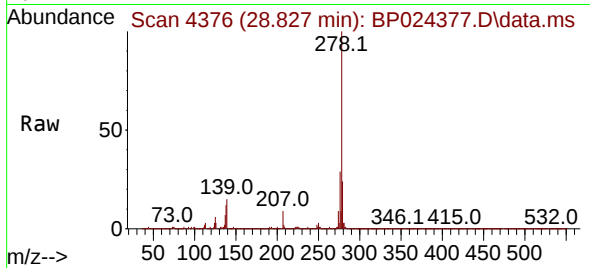
Tgt Ion:278 Resp: 3729539

Ion Ratio Lower Upper

278 100

139 15.0 12.6 19.0

279 24.1 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 45.845 ng

RT: 29.933 min Scan# 4564

Delta R.T. 0.035 min

Lab File: BP024377.D

Acq: 22 Apr 2025 13:56

Tgt Ion:276 Resp: 3627026

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 21.6 18.7 28.1

