

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP090225\  
 Data File : BP025642.D  
 Acq On : 02 Sep 2025 17:37  
 Operator : CG/JU  
 Sample : Q2989-01MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SOUTH-TP-5MSD

Quant Time: Sep 02 18:15:37 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 14 18:14:31 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.772  | 152  | 150511   | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8            | 10.542 | 136  | 590486   | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.383 | 164  | 380282   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 17.189 | 188  | 785697   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.642 | 240  | 824922   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.006 | 264  | 951740   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.402  | 112  | 912469   | 100.679 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.966  | 99   | 1166485  | 100.389 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.913  | 82   | 739925   | 63.388  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 15.913 | 330  | 568596   | 111.084 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.995 | 172  | 1622254  | 58.302  | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.913 | 244  | 2756690  | 61.140  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.319  | 88   | 160674   | 45.260  | ng    | 97       |
| 3) Pyridine                   | 3.713  | 79   | 450076   | 46.320  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.625  | 42   | 220256   | 54.983  | ng    | 92       |
| 6) Aniline                    | 7.107  | 93   | 417181   | 26.647  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.349  | 128  | 530046   | 51.827  | ng    | 96       |
| 9) Benzaldehyde               | 6.919  | 77   | 212857   | 26.147  | ng    | 95       |
| 10) Phenol                    | 6.990  | 94   | 633914   | 51.991  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.201  | 93   | 467742   | 49.219  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.666  | 146  | 566147   | 50.202  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.807  | 146  | 571807   | 49.607  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.119  | 146  | 545518   | 48.891  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.007  | 79   | 466428   | 50.520  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.284  | 45   | 658583   | 51.732  | ng    | 98       |
| 17) 2-Methylphenol            | 8.219  | 107  | 431924   | 51.006  | ng    | 99       |
| 18) Hexachloroethane          | 8.837  | 117  | 217306   | 51.275  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.566  | 70   | 370511   | 48.139  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.537  | 107  | 586247   | 49.944  | ng    | 98       |
| 22) Acetophenone              | 8.584  | 105  | 760722   | 51.372  | ng    | # 98     |
| 24) Nitrobenzene              | 8.954  | 77   | 542261   | 51.979  | ng    | 99       |
| 25) Isophorone                | 9.478  | 82   | 1041000  | 50.392  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.660  | 139  | 288917   | 53.963  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 9.725  | 122  | 489749   | 53.192  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.948  | 93   | 625345   | 50.078  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.201 | 162  | 486989   | 53.244  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.401 | 180  | 508562   | 50.722  | ng    | 98       |
| 31) Naphthalene               | 10.595 | 128  | 1552751  | 50.593  | ng    | 99       |
| 32) Benzoic acid              | 9.895  | 122  | 406137   | 59.748  | ng    | 96       |
| 33) 4-Chloroaniline           | 10.695 | 127  | 240277   | 17.724  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.878 | 225  | 327520   | 52.452  | ng    | 98       |
| 35) Caprolactam               | 11.501 | 113  | 178963   | 53.361  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 11.837 | 107  | 564938   | 53.828  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.195 | 142  | 997978   | 49.967  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.419 | 142  | 1038091  | 48.874  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.566 | 216  | 583346   | 53.114  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.548 | 237  | 647230   | 97.560  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.813 | 196  | 410652   | 55.383  | ng    | 99       |

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 ALS Vial : 7 Sample Multiplier: 1

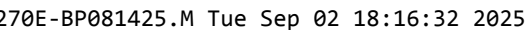
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SOUTH-TP-5MSD

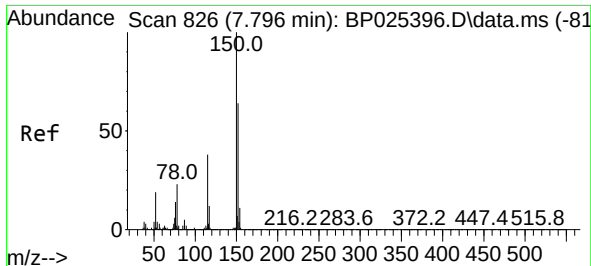
Quant Time: Sep 02 18:15:37 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 14 18:14:31 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.895 | 196  | 455356   | 56.035  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.213 | 154  | 1438478  | 52.084  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.254 | 162  | 1093886  | 50.877  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.460 | 65   | 361791   | 57.750  | ng    | 97       |
| 49) Acenaphthylene            | 14.107 | 152  | 1861693  | 52.328  | ng    | 99       |
| 50) Dimethylphthalate         | 13.842 | 163  | 1487417  | 53.413  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.960 | 165  | 322726   | 54.984  | ng    | 96       |
| 52) Acenaphthene              | 14.454 | 154  | 1049445  | 50.253  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.295 | 138  | 190576   | 28.859  | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 14.513 | 184  | 391406   | 124.872 | ng    | 97       |
| 55) Dibenzofuran              | 14.795 | 168  | 1693213  | 51.284  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.642 | 139  | 565850   | 104.275 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.754 | 165  | 475557   | 56.788  | ng    | 95       |
| 58) Fluorene                  | 15.448 | 166  | 1340672  | 51.461  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.030 | 232  | 396720   | 55.289  | ng    | 99       |
| 60) Diethylphthalate          | 15.225 | 149  | 1565509  | 55.326  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.442 | 204  | 670418   | 51.743  | ng    | 96       |
| 62) 4-Nitroaniline            | 15.478 | 138  | 346415   | 51.170  | ng    | 98       |
| 63) Azobenzene                | 15.748 | 77   | 1478425  | 61.019  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.542 | 198  | 277946   | 56.751  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.672 | 169  | 1241513  | 51.818  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.366 | 248  | 450417   | 52.124  | ng    | 96       |
| 68) Hexachlorobenzene         | 16.483 | 284  | 534029   | 53.313  | ng    | 98       |
| 69) Atrazine                  | 16.654 | 200  | 491276   | 54.752  | ng    | 98       |
| 70) Pentachlorophenol         | 16.842 | 266  | 709330   | 112.179 | ng    | 98       |
| 71) Phenanthrene              | 17.230 | 178  | 2215919  | 51.341  | ng    | 99       |
| 72) Anthracene                | 17.330 | 178  | 2301659  | 52.220  | ng    | 100      |
| 73) Carbazole                 | 17.607 | 167  | 2183170  | 52.586  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.195 | 149  | 2842640  | 55.653  | ng    | 100      |
| 75) Fluoranthene              | 19.318 | 202  | 2678119  | 52.019  | ng    | 99       |
| 77) Benzidine                 | 19.518 | 184  | 1086334  | 38.587  | ng    | 98       |
| 78) Pyrene                    | 19.695 | 202  | 2747023  | 51.234  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.648 | 149  | 1361147  | 56.014  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.624 | 228  | 2817469  | 51.788  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.542 | 252  | 581383   | 28.352  | ng    | 99       |
| 83) Chrysene                  | 21.695 | 228  | 2635410  | 51.726  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.554 | 149  | 1995975  | 55.799  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.836 | 149  | 3509362  | 57.037  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.842 | 276  | 3714994  | 53.226  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.936 | 252  | 2887889  | 51.458  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.001 | 252  | 3004552  | 53.500  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.842 | 252  | 2827051  | 51.749  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.924 | 278  | 3039360  | 53.286  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.006 | 276  | 2953428  | 52.676  | ng    | 99       |

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

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QLast Update : Thu Aug 14 18:14:31 2025  
Response via : Initial Calibration

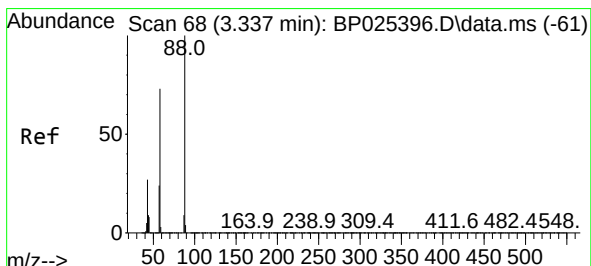
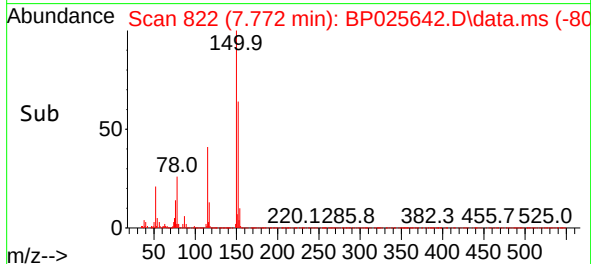
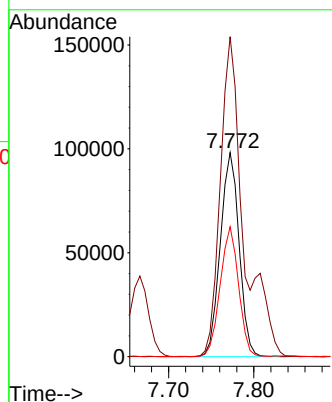
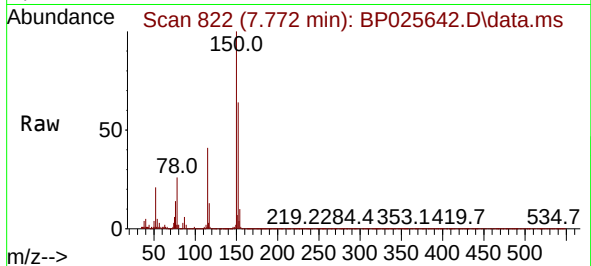




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.772 min Scan# 81  
 Delta R.T. -0.024 min  
 Lab File: BP025642.D  
 Acq: 02 Sep 2025 17:37

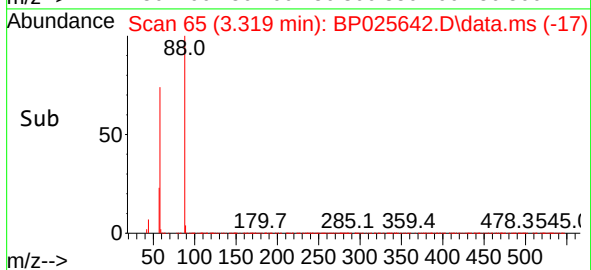
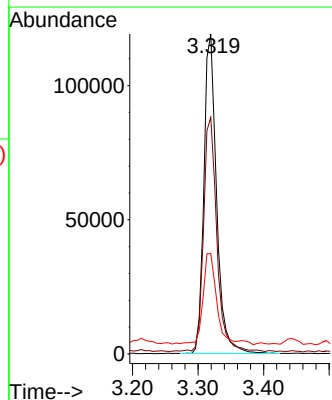
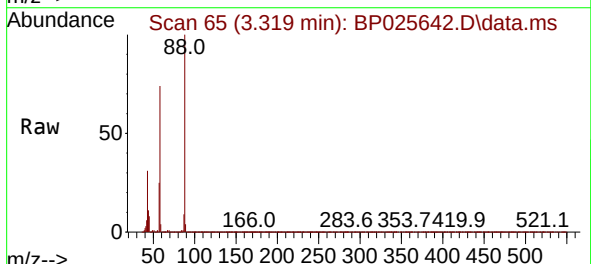
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SOUTH-TP-5MSD

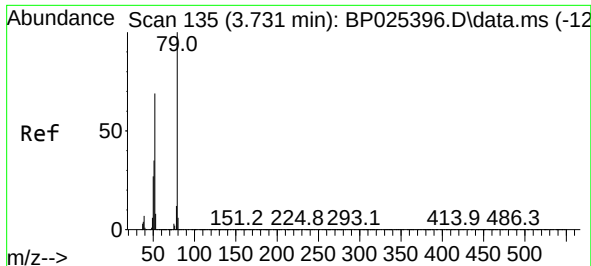
Tgt Ion:152 Resp: 150511  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 125.9 188.9  
 115 63.7 48.5 72.7



#2  
 1,4-Dioxane  
 Concen: 45.260 ng  
 RT: 3.319 min Scan# 65  
 Delta R.T. -0.018 min  
 Lab File: BP025642.D  
 Acq: 02 Sep 2025 17:37

Tgt Ion: 88 Resp: 160674  
 Ion Ratio Lower Upper  
 88 100  
 58 76.4 59.2 88.8  
 43 29.4 21.7 32.5

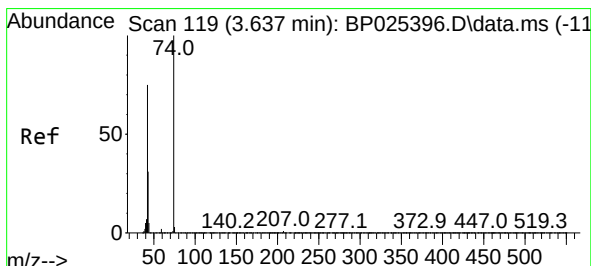
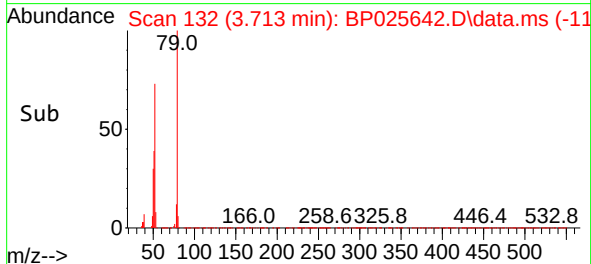
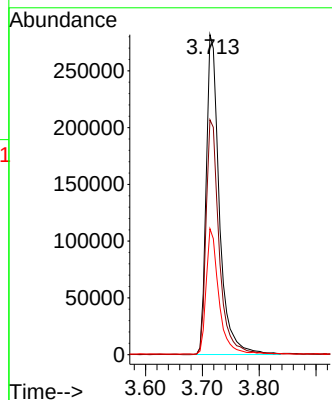
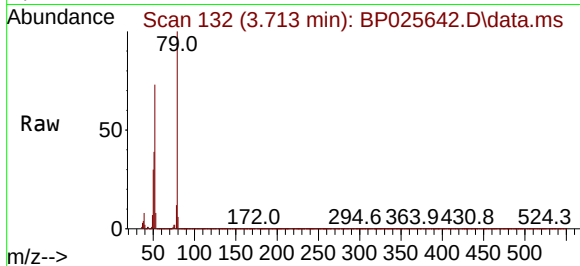




#3  
Pyridine  
Concen: 46.320 ng  
RT: 3.713 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

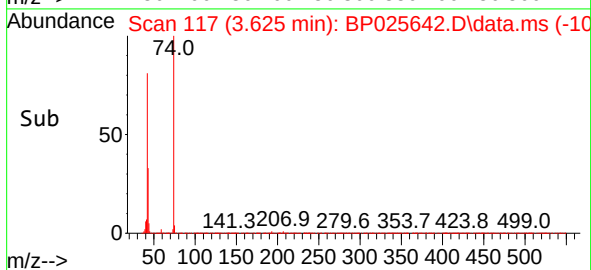
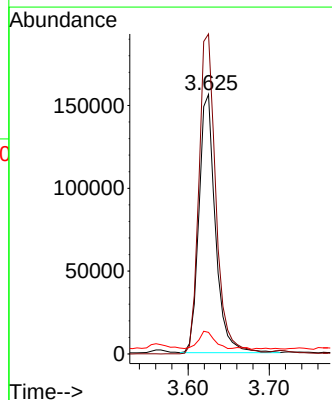
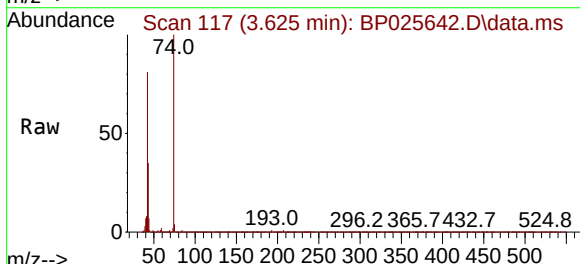
Instrument :  
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ClientSampleId :  
SOUTH-TP-5MSD

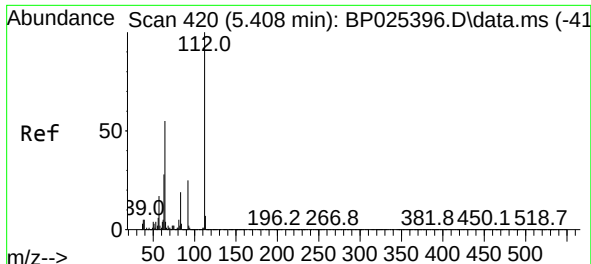
Tgt Ion: 79 Resp: 450076  
Ion Ratio Lower Upper  
79 100  
52 73.4 55.5 83.3  
51 39.3 28.3 42.5



#4  
n-Nitrosodimethylamine  
Concen: 54.983 ng  
RT: 3.625 min Scan# 117  
Delta R.T. -0.012 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion: 42 Resp: 220256  
Ion Ratio Lower Upper  
42 100  
74 123.3 107.0 160.4  
44 8.3 6.2 9.4

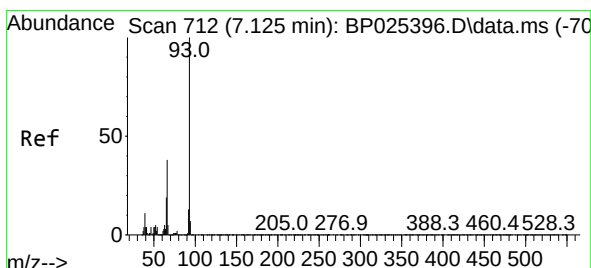
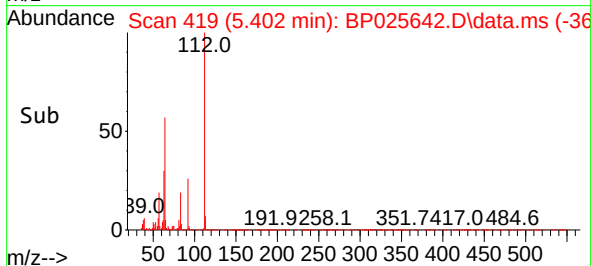
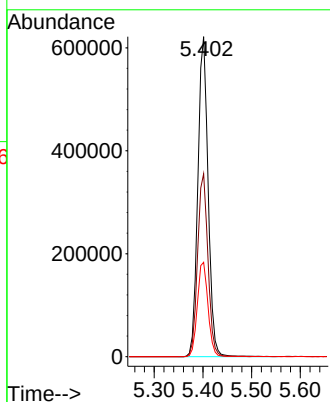
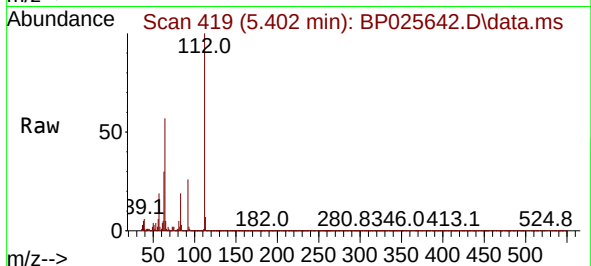




#5  
2-Fluorophenol  
Concen: 100.679 ng  
RT: 5.402 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

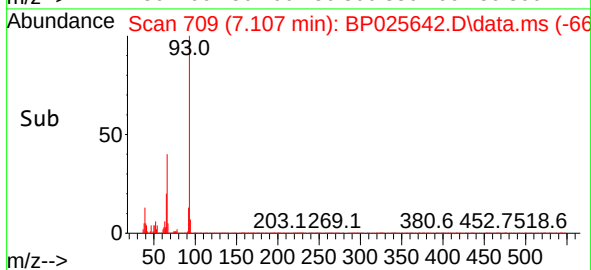
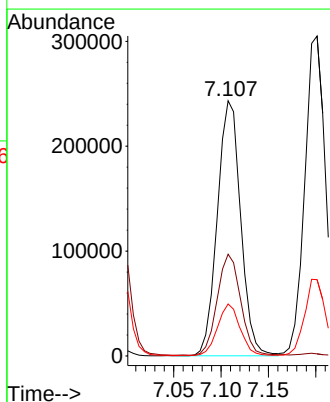
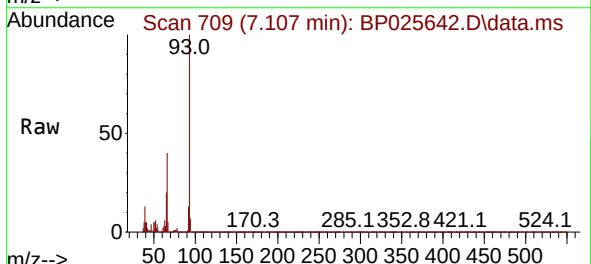
Instrument :  
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ClientSampleId :  
SOUTH-TP-5MSD

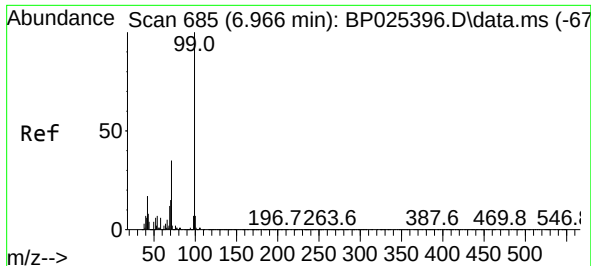
Tgt Ion:112 Resp: 912469  
Ion Ratio Lower Upper  
112 100  
64 57.1 43.8 65.8  
63 29.5 22.7 34.1



#6  
Aniline  
Concen: 26.647 ng  
RT: 7.107 min Scan# 709  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion: 93 Resp: 417181  
Ion Ratio Lower Upper  
93 100  
66 39.9 30.4 45.6  
65 20.4 15.3 22.9



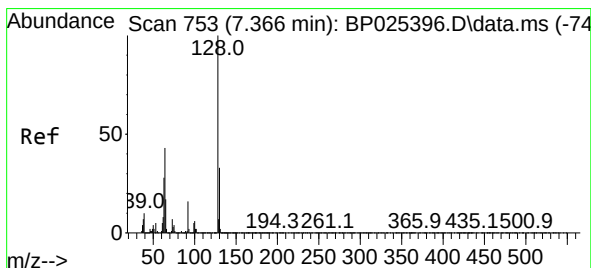
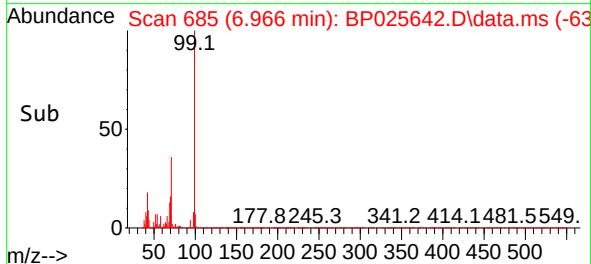
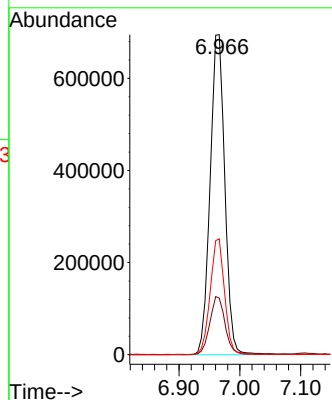
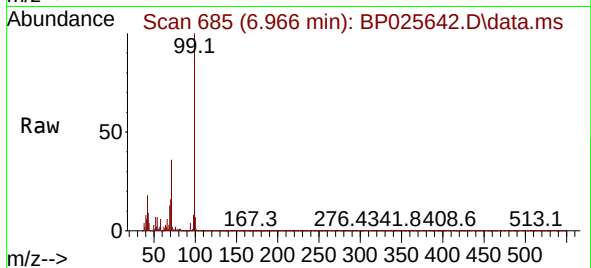


#7  
Phenol-d6  
Concen: 100.389 ng  
RT: 6.966 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

Tgt Ion: 99 Resp: 1166485

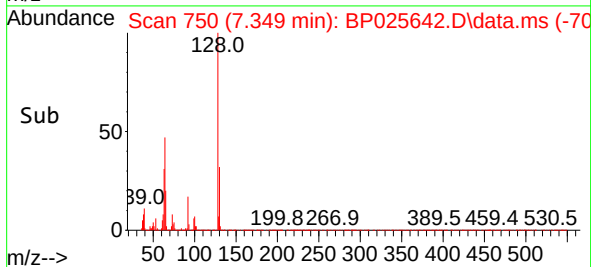
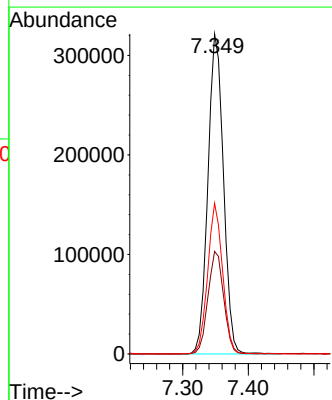
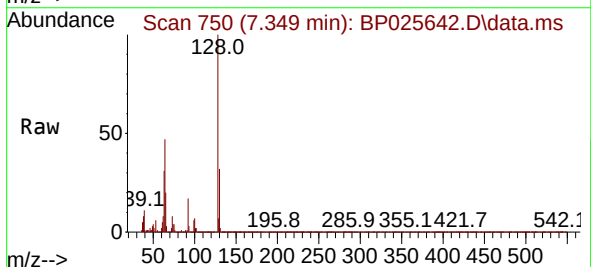
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|-----|-------|-------|-------|
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| 42  | 17.7  | 13.7  | 20.5  |
| 71  | 36.2  | 28.2  | 42.4  |

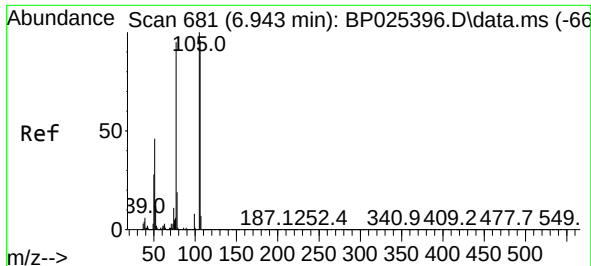


#8  
2-Chlorophenol  
Concen: 51.827 ng  
RT: 7.349 min Scan# 750  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion: 128 Resp: 530046

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.1  | 12.6  | 52.6  |
| 64  | 47.1  | 23.4  | 63.4  |

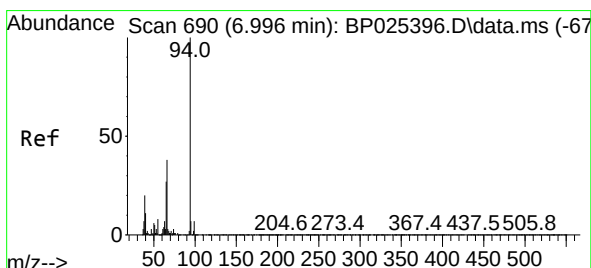
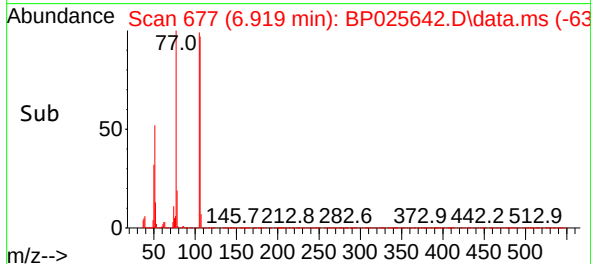
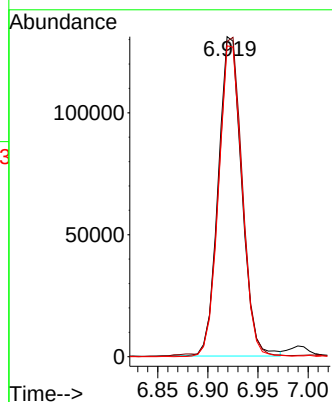
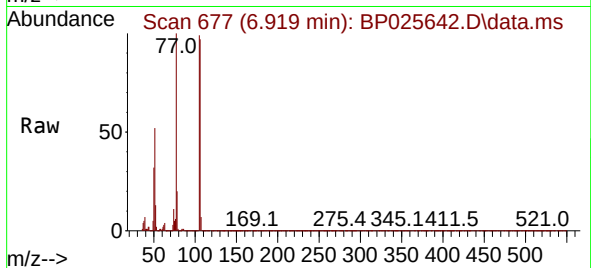




#9  
Benzaldehyde  
Concen: 26.147 ng  
RT: 6.919 min Scan# 61  
Delta R.T. -0.024 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

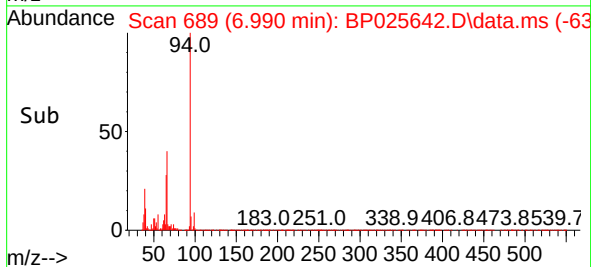
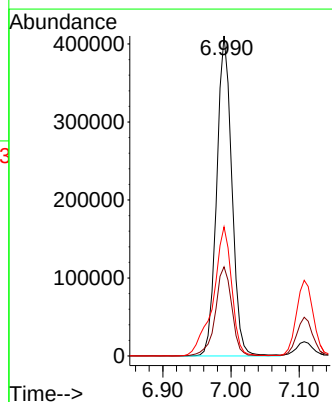
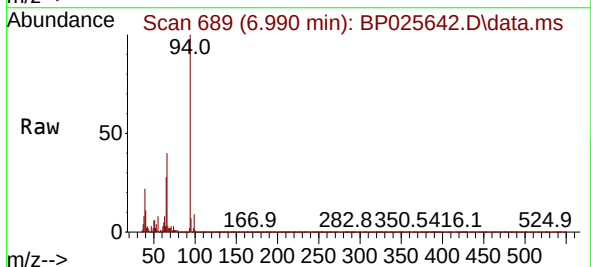
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

Tgt Ion: 77 Resp: 212857  
Ion Ratio Lower Upper  
77 100  
105 98.6 84.8 124.8  
106 97.1 80.5 120.5

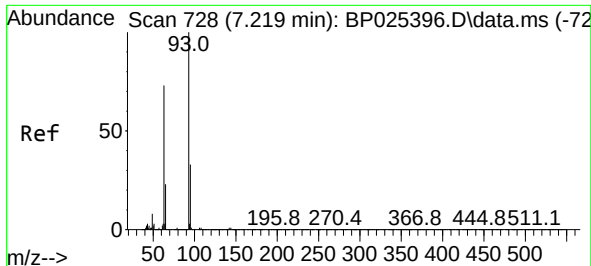


#10  
Phenol  
Concen: 51.991 ng  
RT: 6.990 min Scan# 689  
Delta R.T. -0.006 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion: 94 Resp: 633914  
Ion Ratio Lower Upper  
94 100  
65 27.8 6.8 46.8  
66 40.4 18.2 58.2



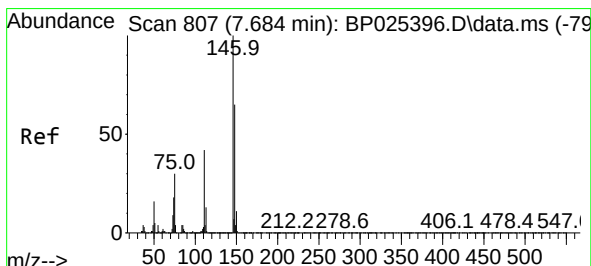
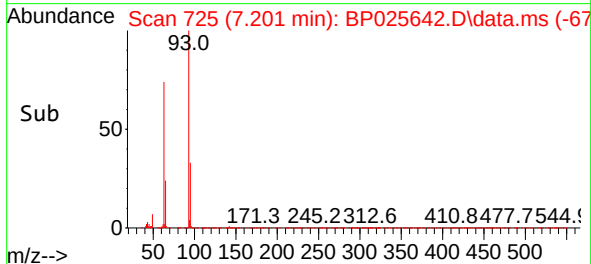
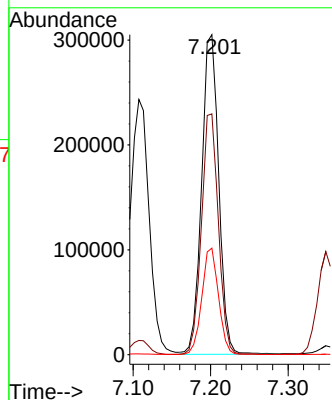
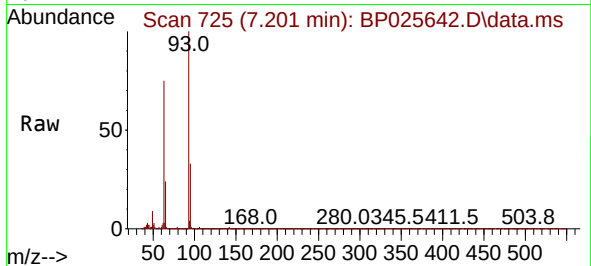




#11  
bis(2-Chloroethyl)ether  
Concen: 49.219 ng  
RT: 7.201 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

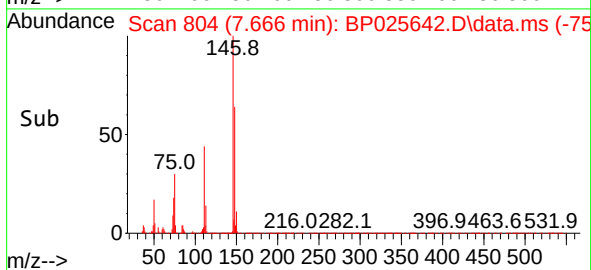
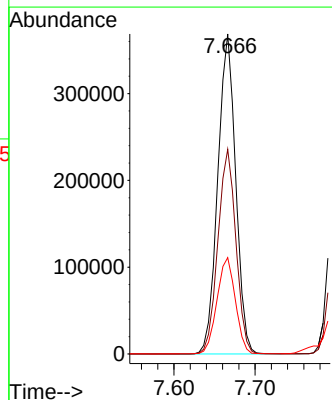
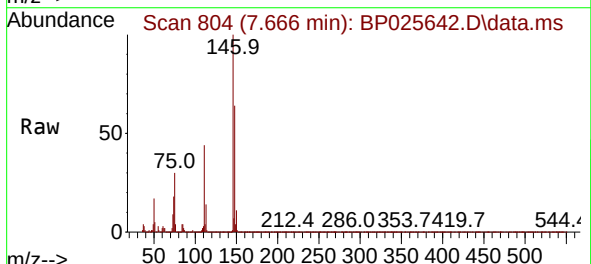
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

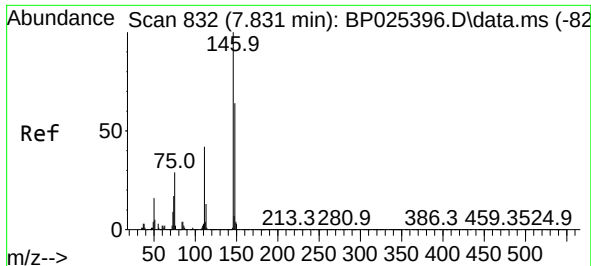
Tgt Ion: 93 Resp: 467742  
Ion Ratio Lower Upper  
93 100  
63 75.3 52.6 92.6  
95 33.3 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 50.202 ng  
RT: 7.666 min Scan# 804  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion: 146 Resp: 566147  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.9 77.9  
75 30.1 23.7 35.5

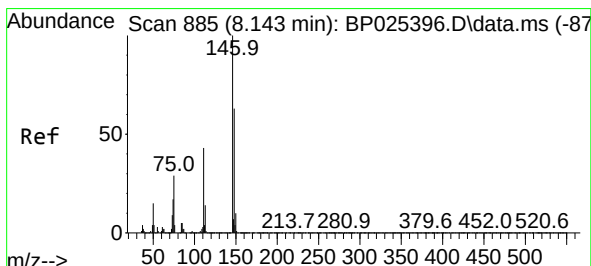
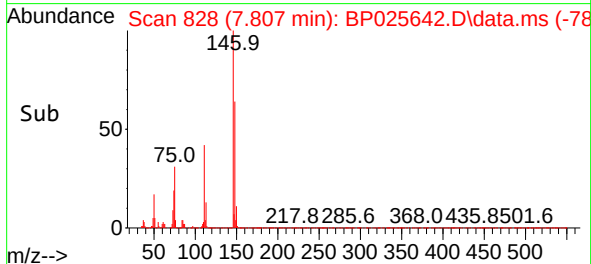
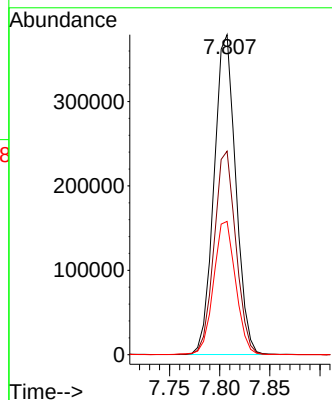
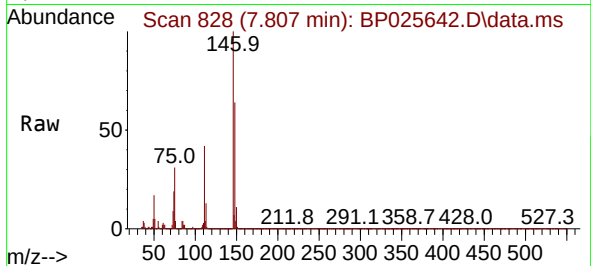




#13  
1,4-Dichlorobenzene  
Concen: 49.607 ng  
RT: 7.807 min Scan# 81  
Delta R.T. -0.024 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

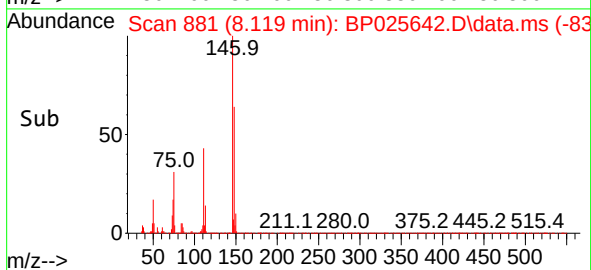
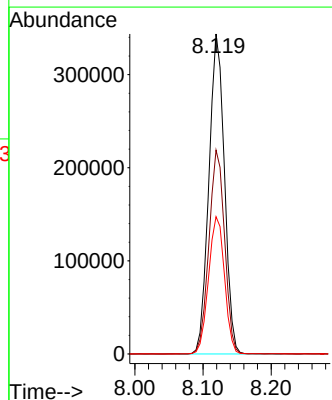
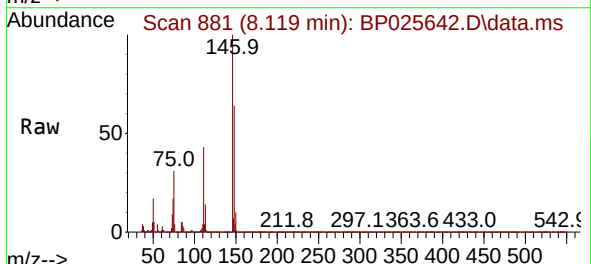
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

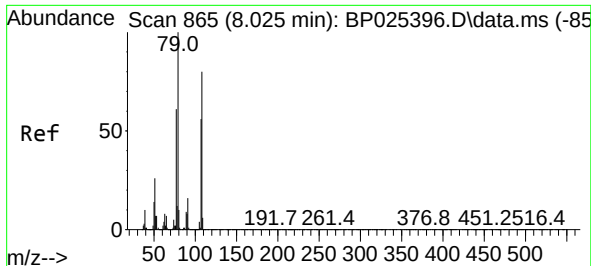
Tgt Ion:146 Resp: 571807  
Ion Ratio Lower Upper  
146 100  
148 63.6 51.6 77.4  
111 41.6 33.4 50.0



#14  
1,2-Dichlorobenzene  
Concen: 48.891 ng  
RT: 8.119 min Scan# 881  
Delta R.T. -0.024 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:146 Resp: 545518  
Ion Ratio Lower Upper  
146 100  
148 63.7 50.4 75.6  
111 42.9 34.5 51.7

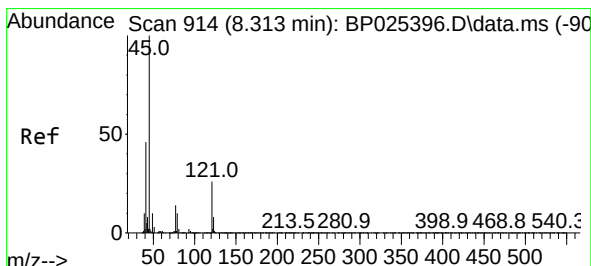
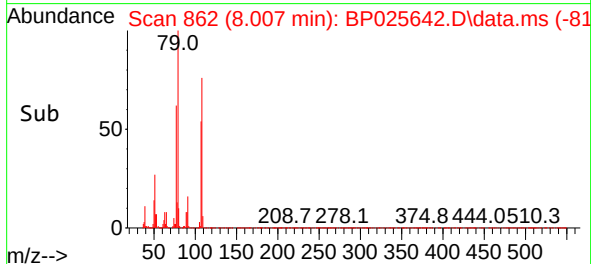
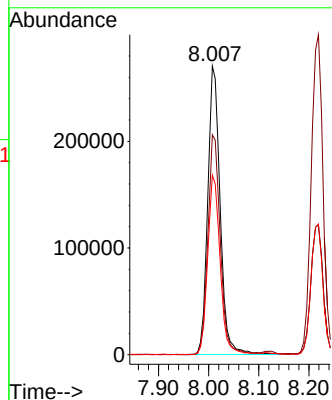
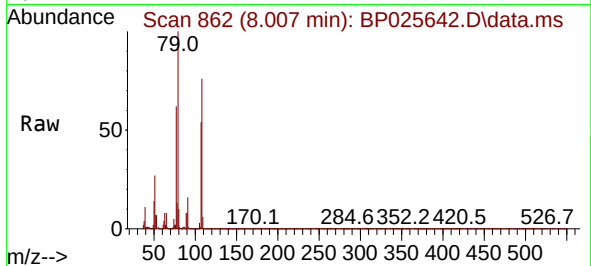




#15  
Benzyl Alcohol  
Concen: 50.520 ng  
RT: 8.007 min Scan# 80  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

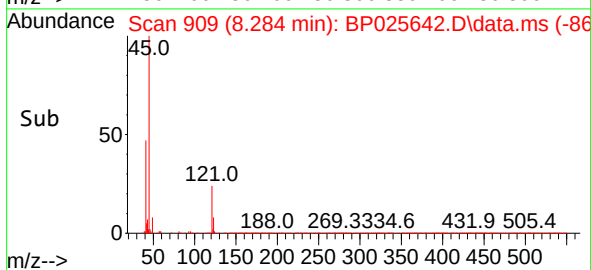
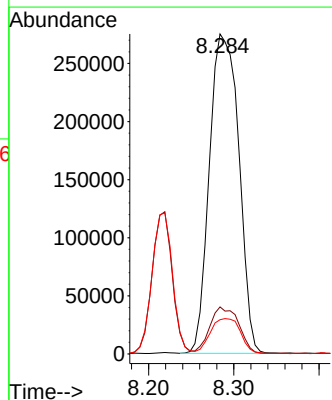
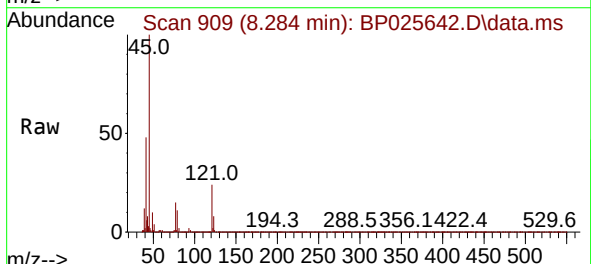
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

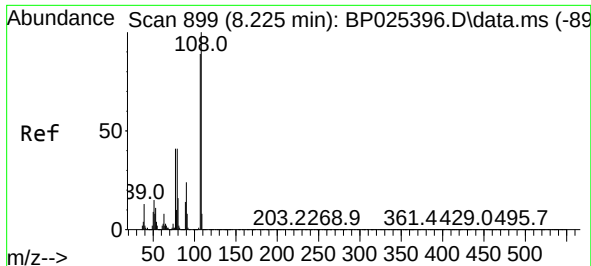
Tgt Ion: 79 Resp: 466428  
Ion Ratio Lower Upper  
79 100  
108 76.2 63.8 95.6  
77 62.2 49.0 73.4



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 51.732 ng  
RT: 8.284 min Scan# 909  
Delta R.T. -0.030 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion: 45 Resp: 658583  
Ion Ratio Lower Upper  
45 100  
77 14.7 0.0 35.3  
79 10.7 0.0 31.8

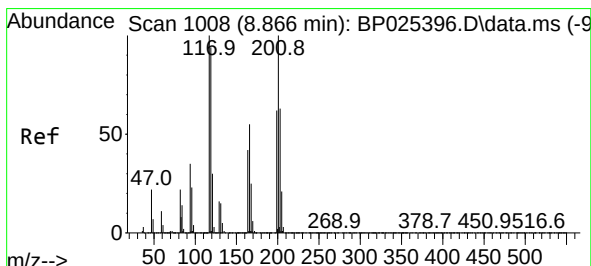
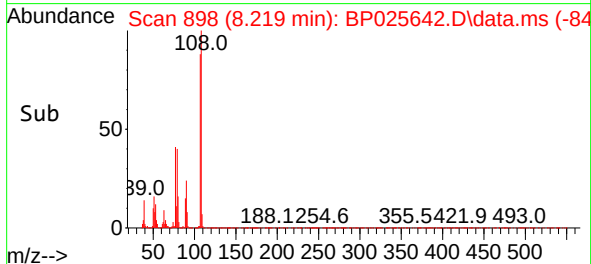
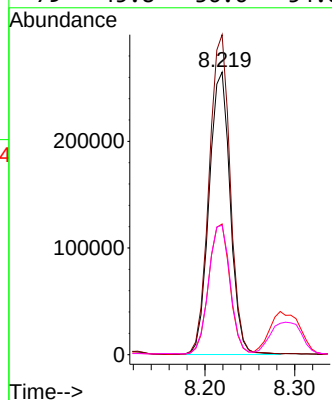
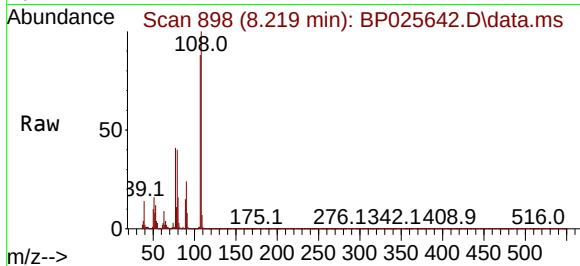




#17  
2-Methylphenol  
Concen: 51.006 ng  
RT: 8.219 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

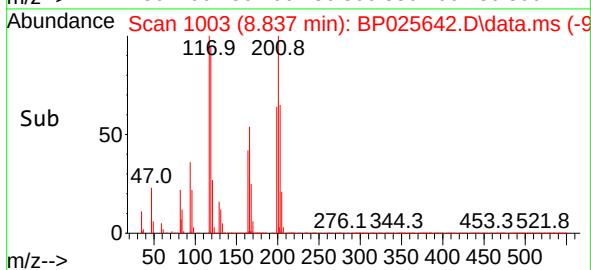
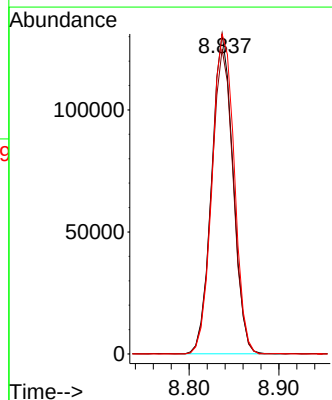
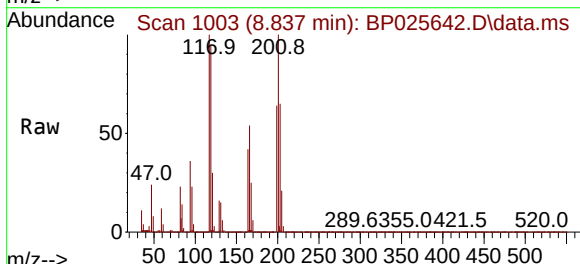
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

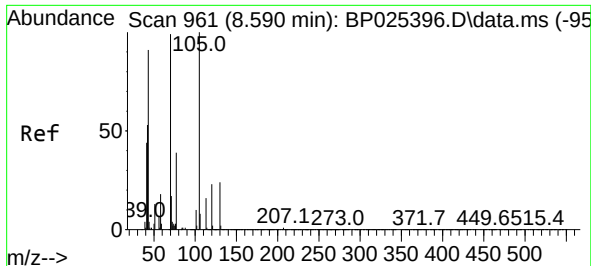
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 431924 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.2 | 89.4  | 134.0  |
| 77       | 46.2  | 36.3  | 54.5   |
| 79       | 45.8  | 36.6  | 54.8   |



#18  
Hexachloroethane  
Concen: 51.275 ng  
RT: 8.837 min Scan# 1003  
Delta R.T. -0.030 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 217306 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.2  | 75.1  | 112.7  |
| 201      | 100.0 | 80.1  | 120.1  |



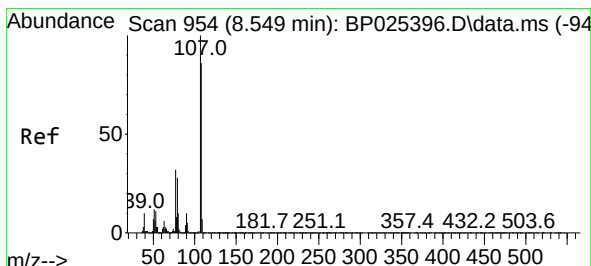
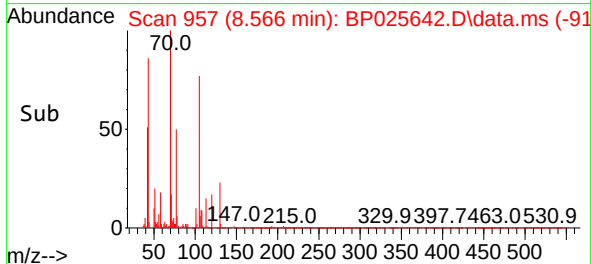
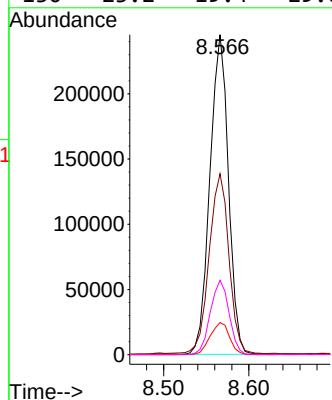
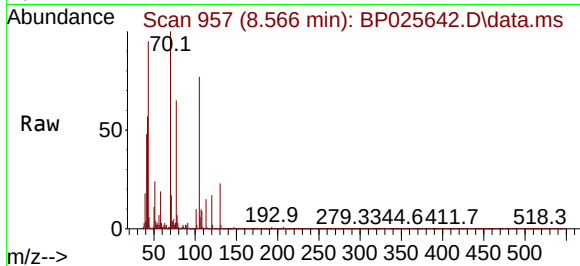


#19  
n-Nitroso-di-n-propylamine  
Concen: 48.139 ng  
RT: 8.566 min Scan# 911  
Delta R.T. -0.024 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

Tgt Ion: 70 Resp: 370511

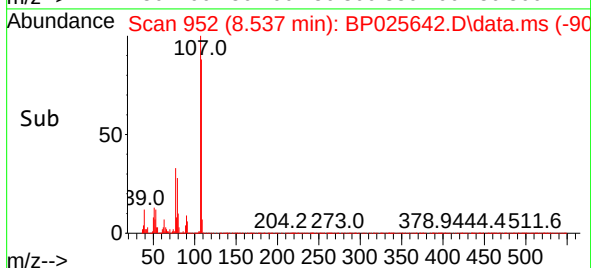
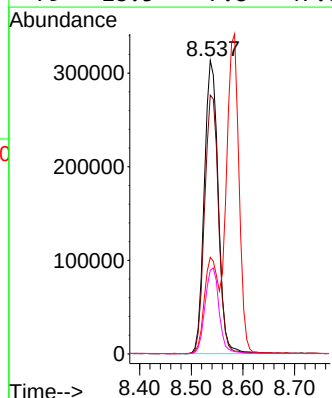
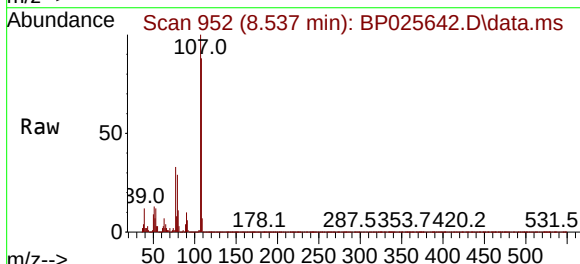
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 56.5  | 43.8  | 65.6  |
| 101 | 10.0  | 8.5   | 12.7  |
| 130 | 23.2  | 19.4  | 29.0  |

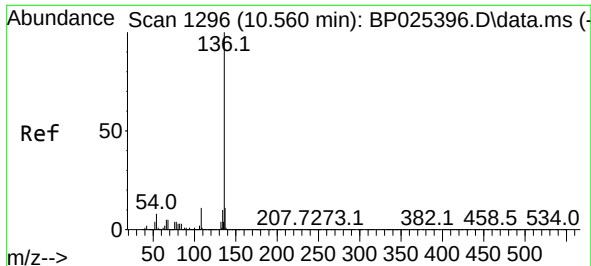


#20  
3+4-Methylphenols  
Concen: 49.944 ng  
RT: 8.537 min Scan# 952  
Delta R.T. -0.012 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion: 107 Resp: 586247

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 88.2  | 66.3  | 106.3 |
| 77  | 33.0  | 12.3  | 52.3  |
| 79  | 28.5  | 7.8   | 47.8  |

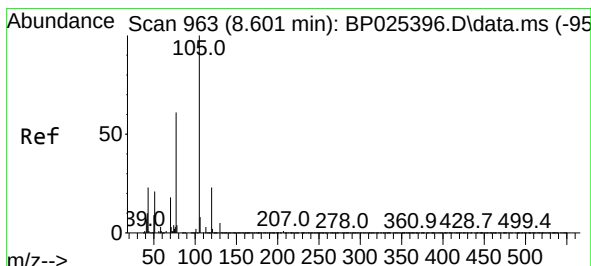
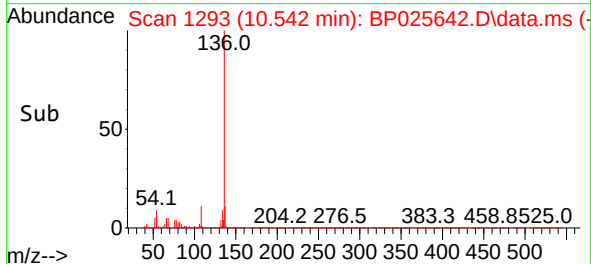
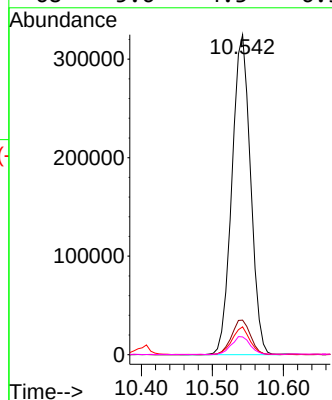
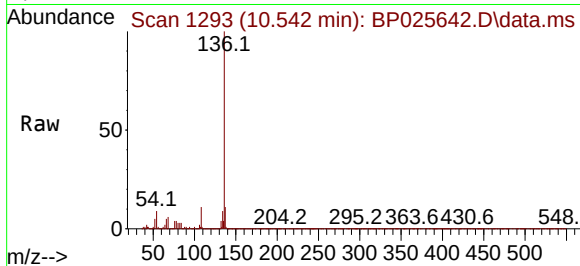




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.542 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

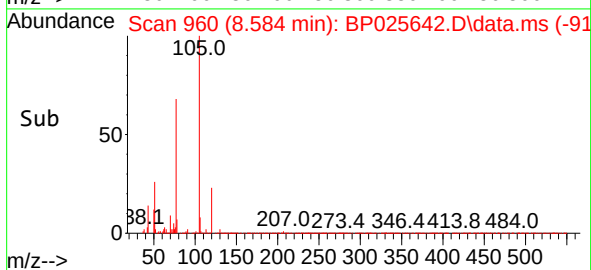
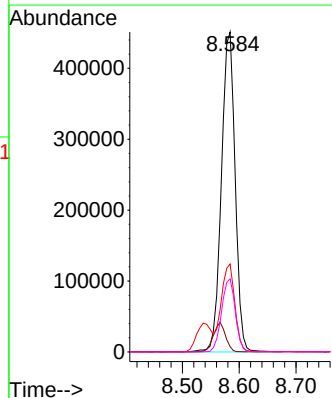
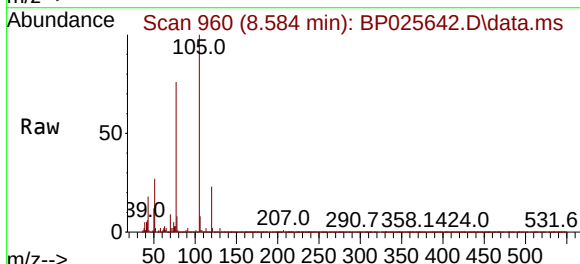
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

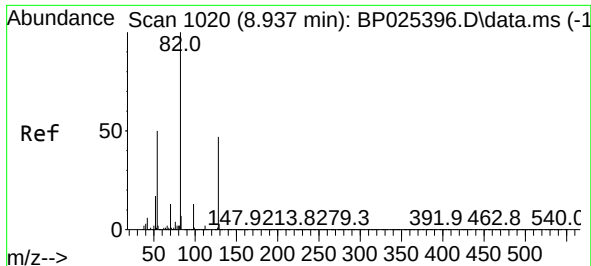
Tgt Ion:136 Resp: 590486  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.2 13.8  
54 8.7 6.0 9.0  
68 5.6 4.3 6.5



#22  
Acetophenone  
Concen: 51.372 ng  
RT: 8.584 min Scan# 960  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:105 Resp: 760722  
Ion Ratio Lower Upper  
105 100  
71 1.7 2.6 4.0#  
51 27.5 20.6 30.8  
120 22.9 18.6 27.8

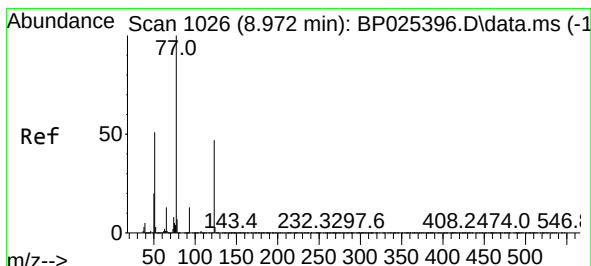
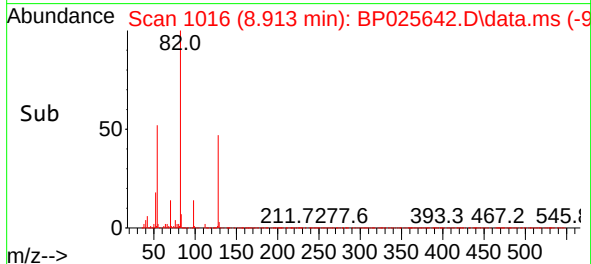
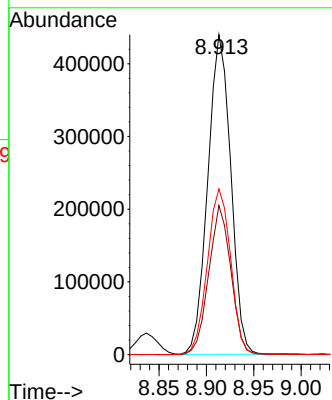
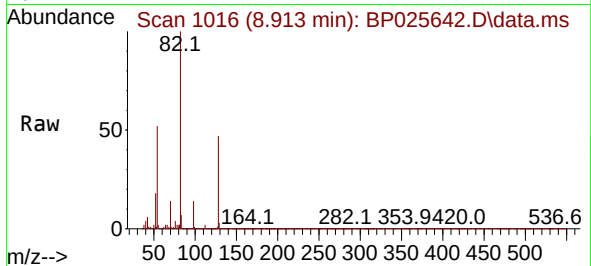




#23  
Nitrobenzene-d5  
Concen: 63.388 ng  
RT: 8.913 min Scan# 1016  
Delta R.T. -0.024 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

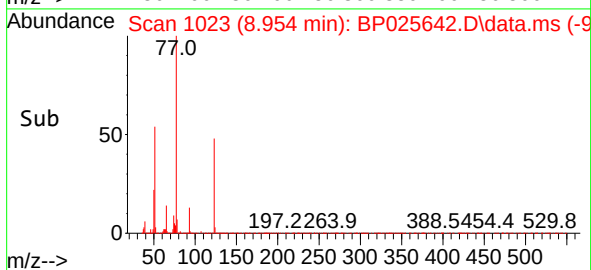
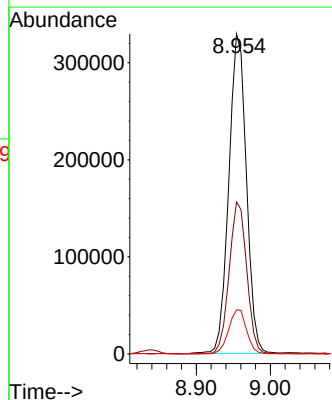
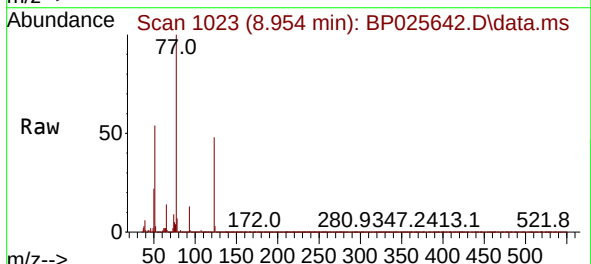
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

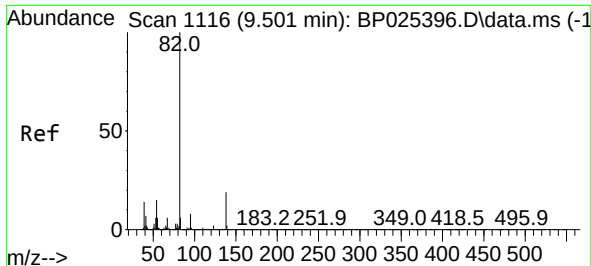
Tgt Ion: 82 Resp: 739925  
Ion Ratio Lower Upper  
82 100  
128 46.6 37.7 56.5  
54 51.8 39.8 59.6



#24  
Nitrobenzene  
Concen: 51.979 ng  
RT: 8.954 min Scan# 1023  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion: 77 Resp: 542261  
Ion Ratio Lower Upper  
77 100  
123 47.5 38.6 58.0  
65 13.8 10.6 15.8

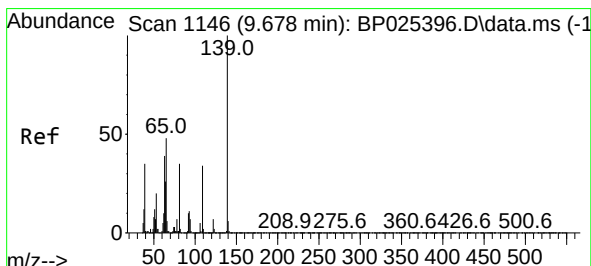
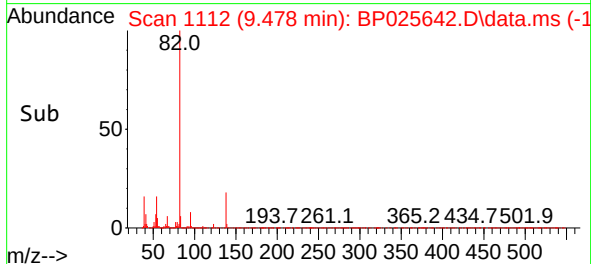
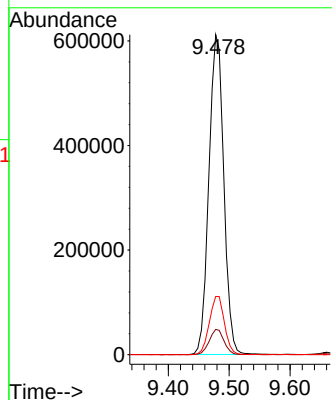
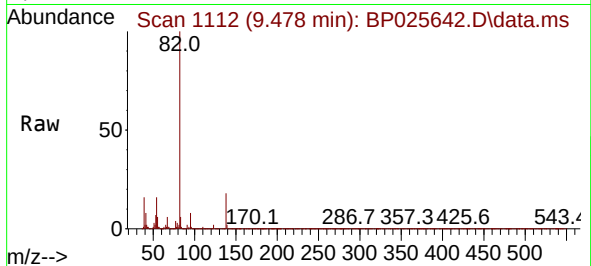




#25  
Isophorone  
Concen: 50.392 ng  
RT: 9.478 min Scan# 1116  
Delta R.T. -0.024 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

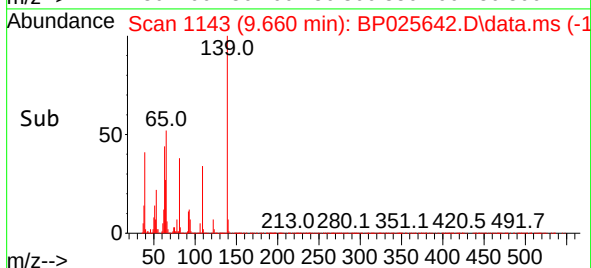
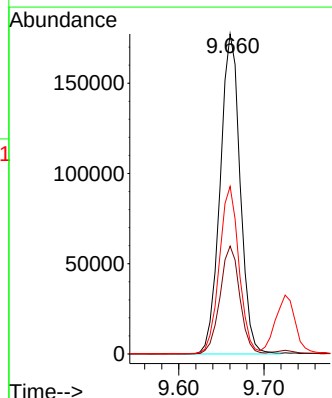
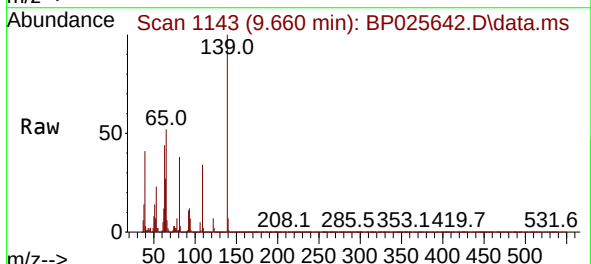
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

Tgt Ion: 82 Resp: 1041000  
Ion Ratio Lower Upper  
82 100  
95 7.9 6.4 9.6  
138 18.2 15.4 23.0

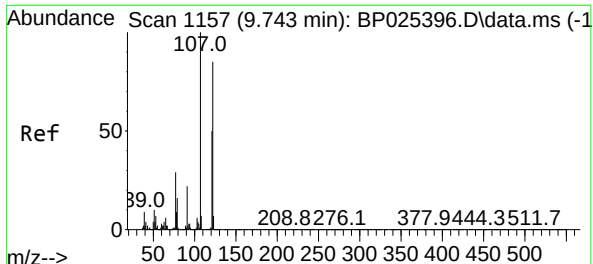


#26  
2-Nitrophenol  
Concen: 53.963 ng  
RT: 9.660 min Scan# 1143  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion: 139 Resp: 288917  
Ion Ratio Lower Upper  
139 100  
109 33.7 26.9 40.3  
65 52.3 38.3 57.5







#27

2,4-Dimethylphenol

Concen: 53.192 ng

RT: 9.725 min Scan# 1157

Delta R.T. -0.018 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

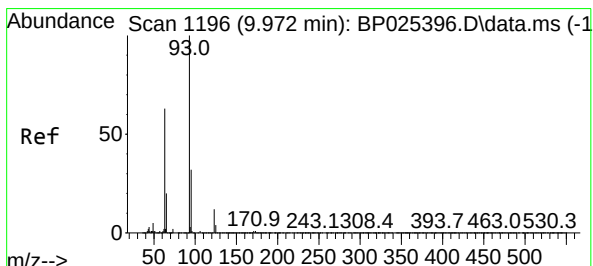
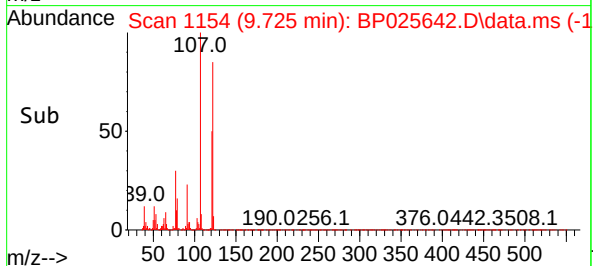
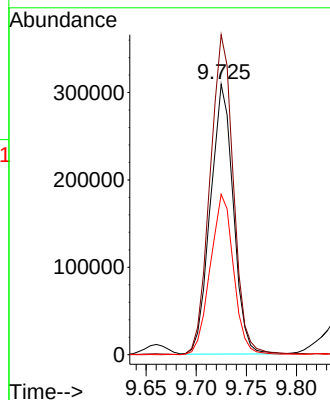
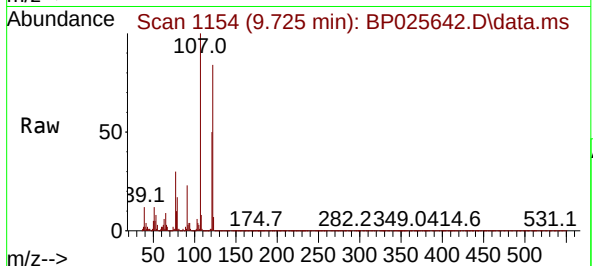
Tgt Ion:122 Resp: 489749

Ion Ratio Lower Upper

122 100

107 118.4 93.7 140.5

121 59.3 46.6 69.8



#28

bis(2-Chloroethoxy)methane

Concen: 50.078 ng

RT: 9.948 min Scan# 1192

Delta R.T. -0.024 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

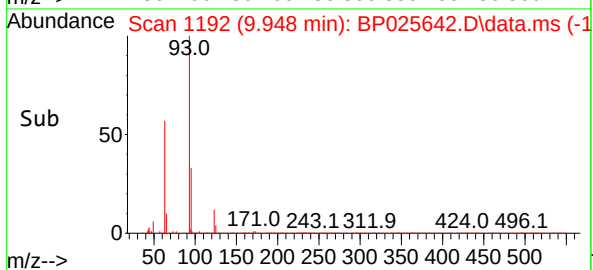
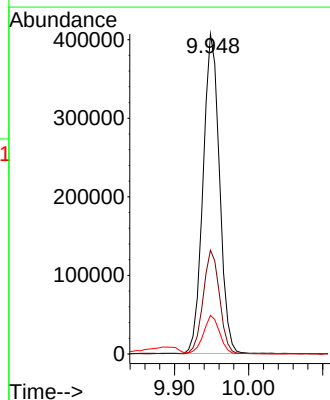
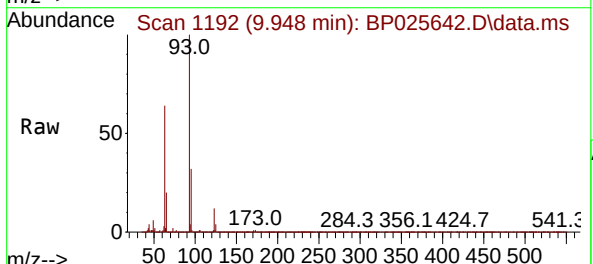
Tgt Ion: 93 Resp: 625345

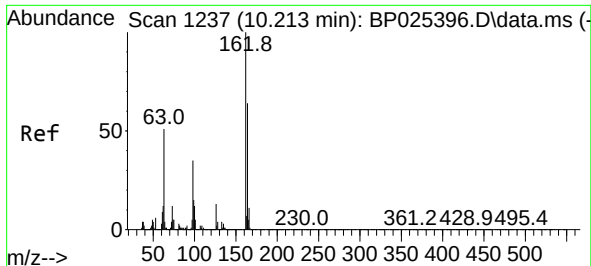
Ion Ratio Lower Upper

93 100

95 32.4 25.4 38.0

123 12.1 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 53.244 ng

RT: 10.201 min Scan# 11

Delta R.T. -0.012 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

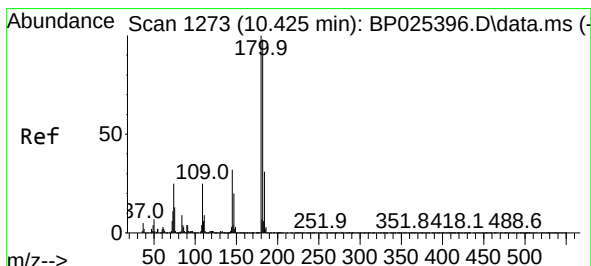
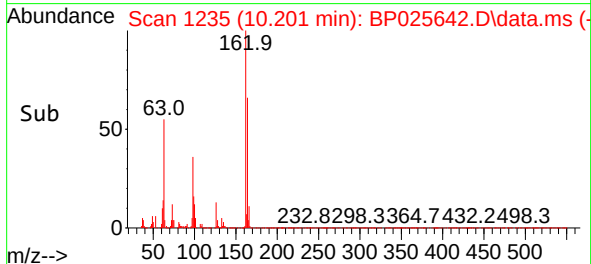
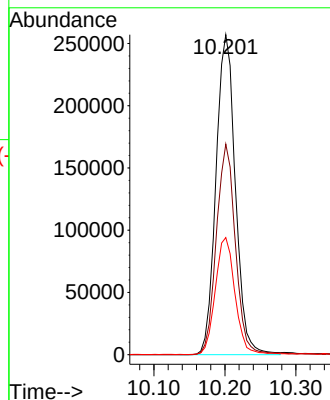
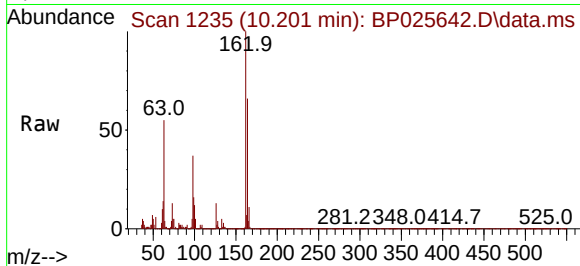
Tgt Ion:162 Resp: 486989

Ion Ratio Lower Upper

162 100

164 65.8 44.4 84.4

98 36.6 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 50.722 ng

RT: 10.401 min Scan# 1269

Delta R.T. -0.024 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

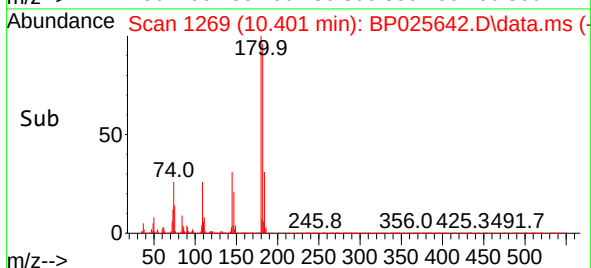
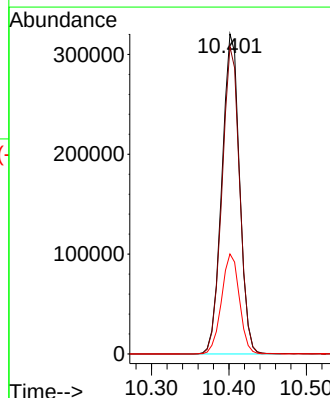
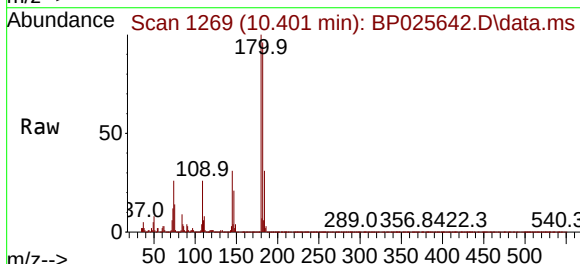
Tgt Ion:180 Resp: 508562

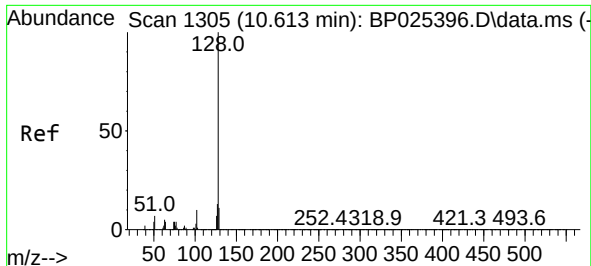
Ion Ratio Lower Upper

180 100

182 96.0 78.0 117.0

145 31.3 25.9 38.9

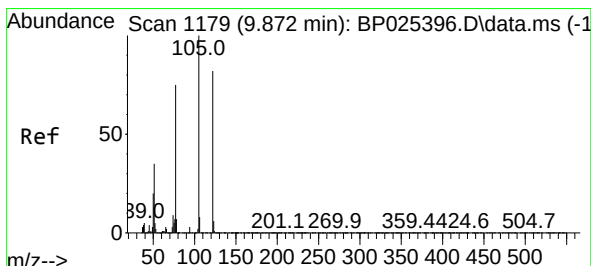
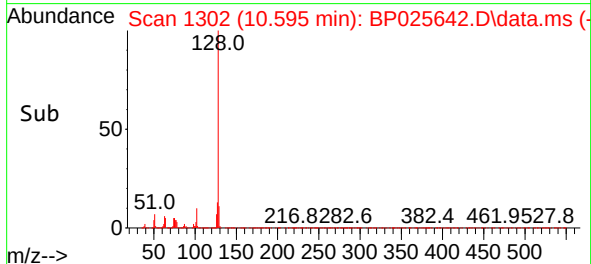
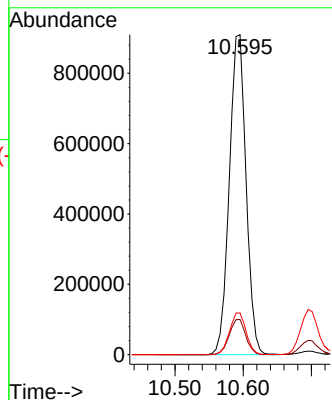
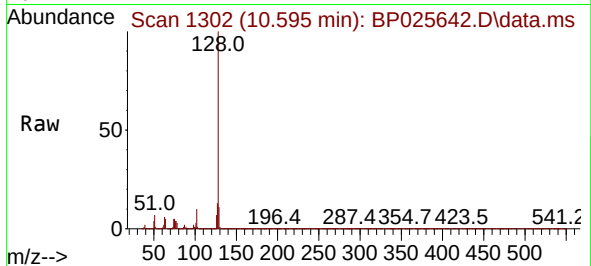




#31  
Naphthalene  
Concen: 50.593 ng  
RT: 10.595 min Scan# 1183  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

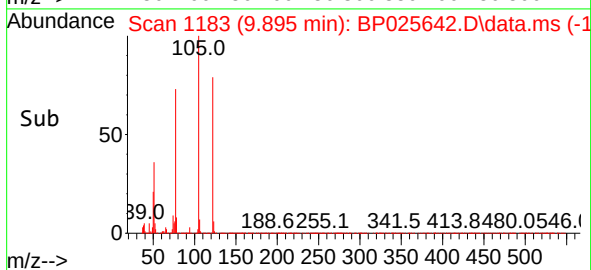
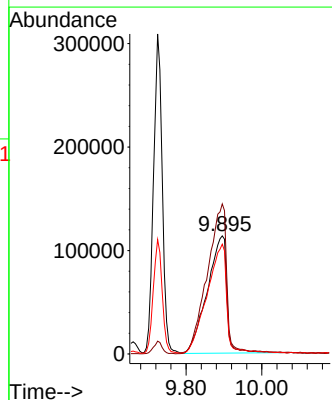
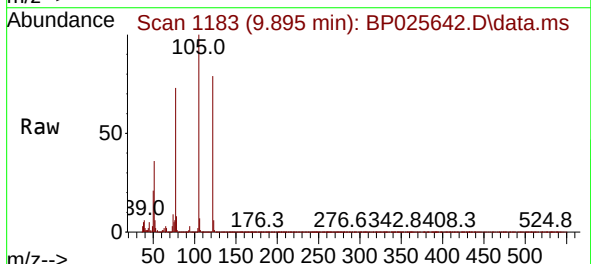
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

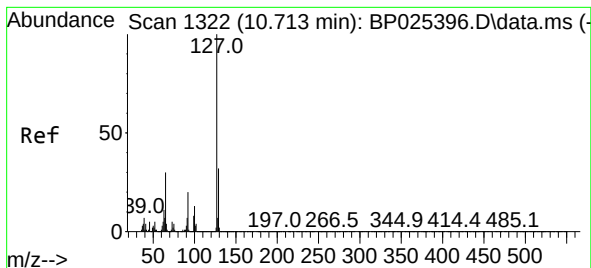
Tgt Ion:128 Resp: 1552751  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 13.0  
127 13.1 10.7 16.1



#32  
Benzoic acid  
Concen: 59.748 ng  
RT: 9.895 min Scan# 1183  
Delta R.T. 0.023 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:122 Resp: 406137  
Ion Ratio Lower Upper  
122 100  
105 127.0 100.6 140.6  
77 92.9 71.5 111.5





#33

4-Chloroaniline

Concen: 17.724 ng

RT: 10.695 min Scan# 11

Delta R.T. -0.018 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

Tgt Ion:127 Resp: 240277

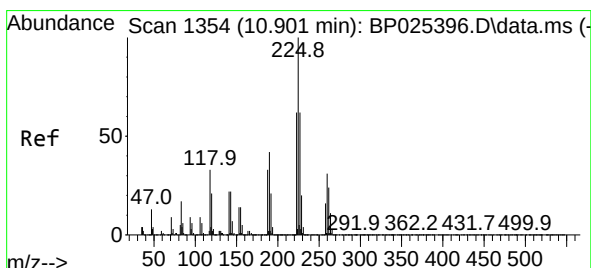
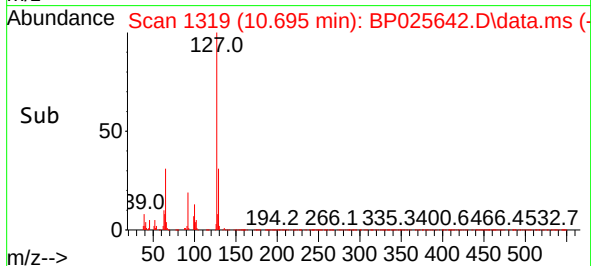
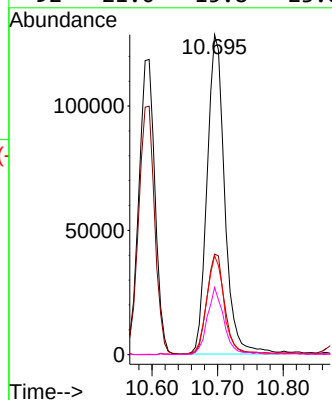
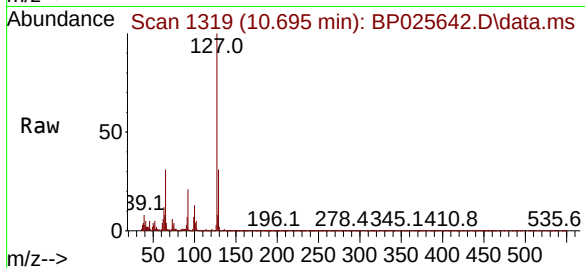
Ion Ratio Lower Upper

127 100

129 31.5 25.4 38.2

65 30.9 23.8 35.6

92 21.0 15.8 23.8



#34

Hexachlorobutadiene

Concen: 52.452 ng

RT: 10.878 min Scan# 1350

Delta R.T. -0.024 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

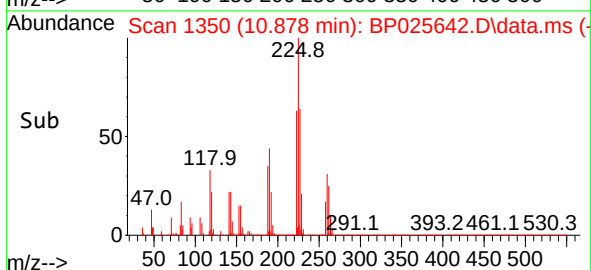
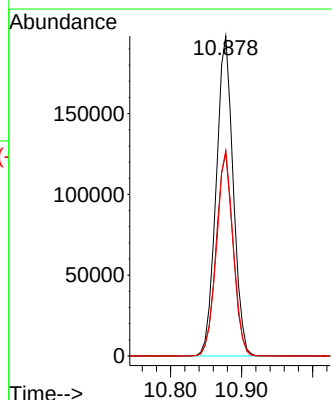
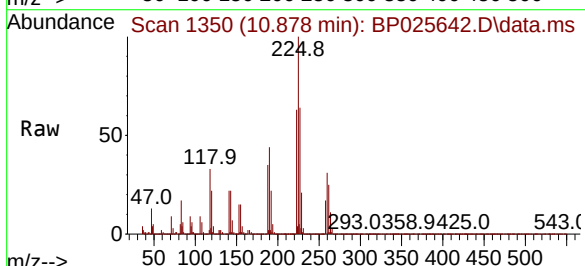
Tgt Ion:225 Resp: 327520

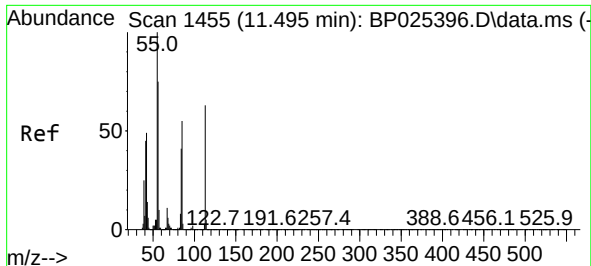
Ion Ratio Lower Upper

225 100

223 63.4 50.0 75.0

227 64.2 49.7 74.5

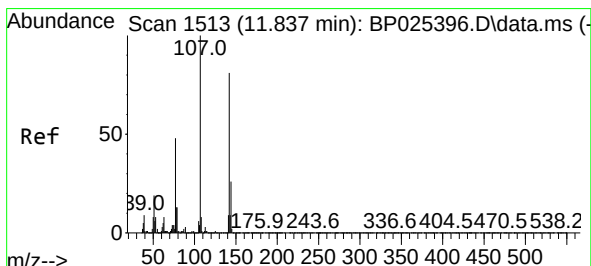
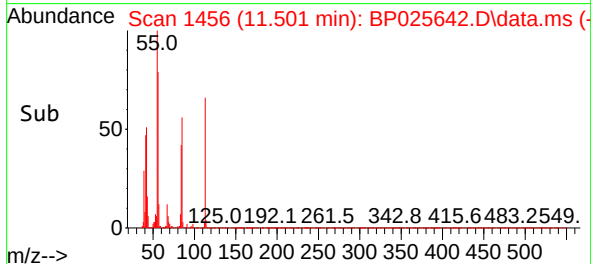
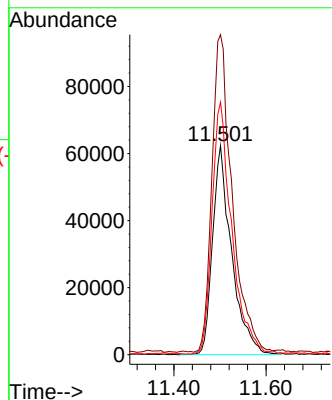
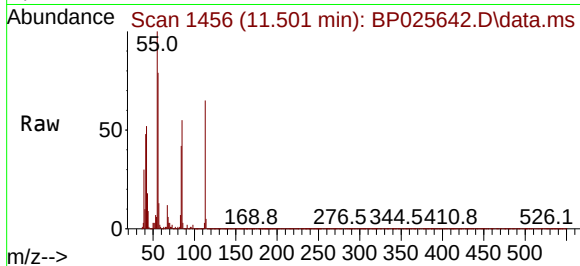




#35  
Caprolactam  
Concen: 53.361 ng  
RT: 11.501 min Scan# 1456  
Delta R.T. 0.006 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

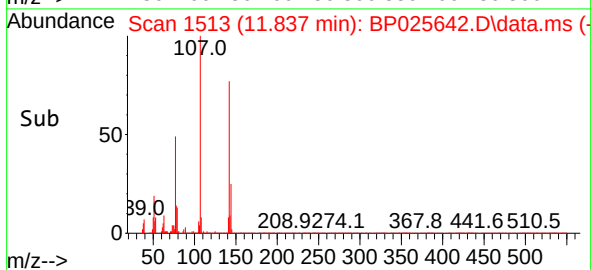
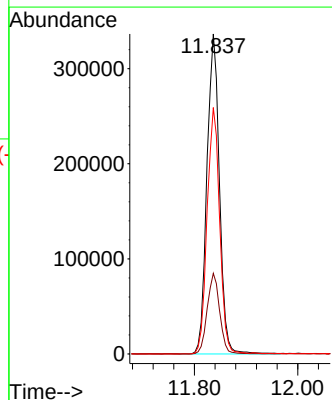
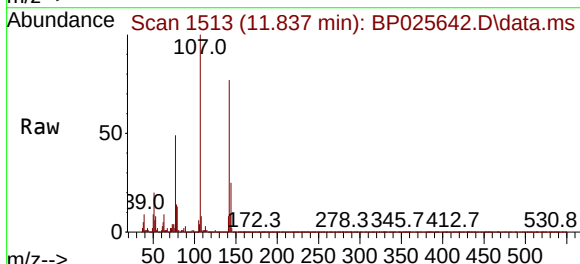
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

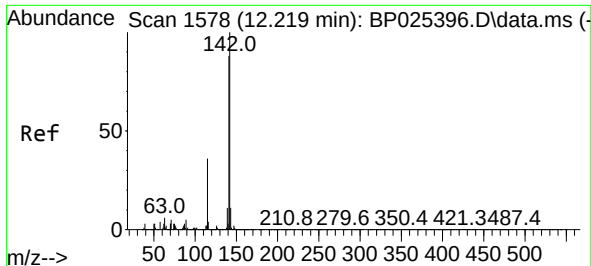
Tgt Ion:113 Resp: 178963  
Ion Ratio Lower Upper  
113 100  
55 153.0 140.0 180.0  
56 120.8 100.0 140.0



#36  
4-Chloro-3-methylphenol  
Concen: 53.828 ng  
RT: 11.837 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:107 Resp: 564938  
Ion Ratio Lower Upper  
107 100  
144 25.2 21.0 31.4  
142 77.0 64.6 97.0

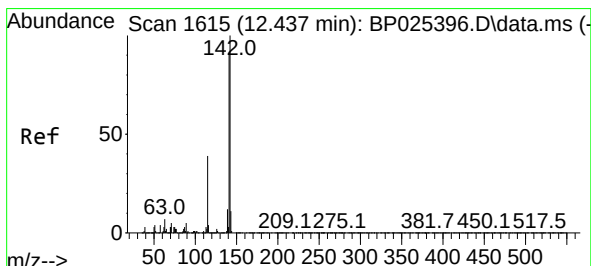
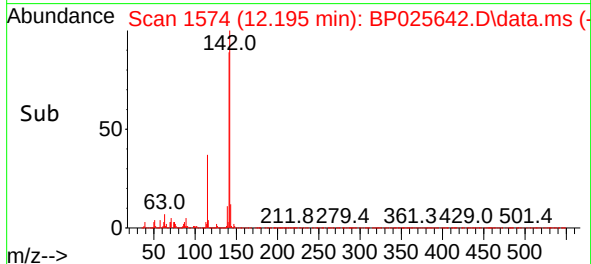
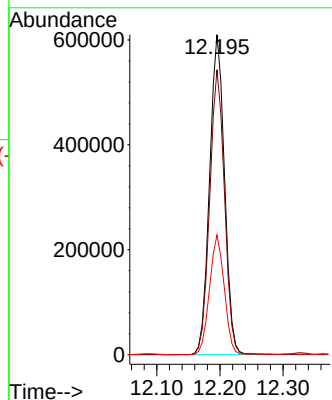
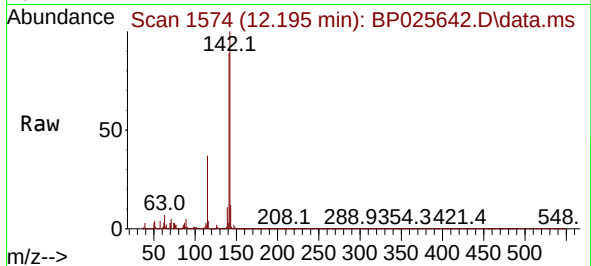




#37  
2-Methylnaphthalene  
Concen: 49.967 ng  
RT: 12.195 min Scan# 1578  
Delta R.T. -0.024 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

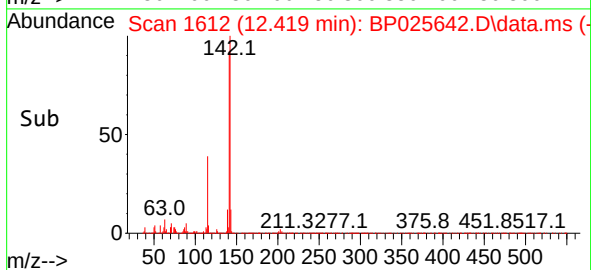
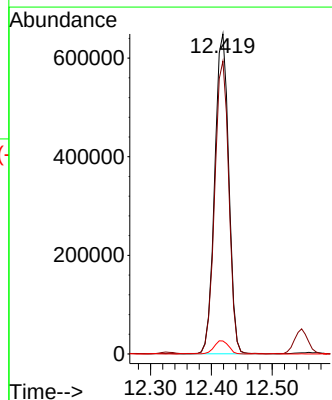
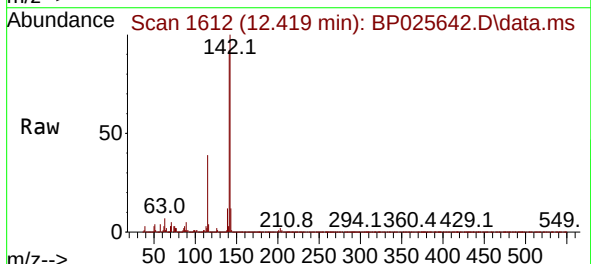
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

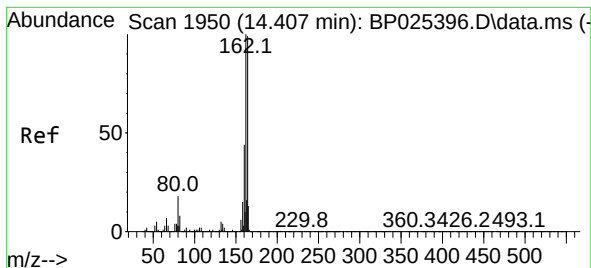
Tgt Ion:142 Resp: 997978  
Ion Ratio Lower Upper  
142 100  
141 89.1 70.3 105.5  
115 37.4 28.9 43.3



#38  
1-Methylnaphthalene  
Concen: 48.874 ng  
RT: 12.419 min Scan# 1612  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:142 Resp: 1038091  
Ion Ratio Lower Upper  
142 100  
141 91.5 73.1 109.7  
116 4.0 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.383 min Scan# 1950

Delta R.T. -0.024 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

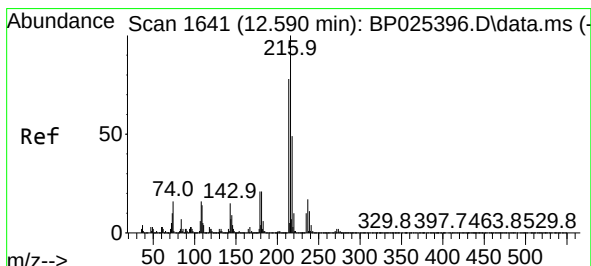
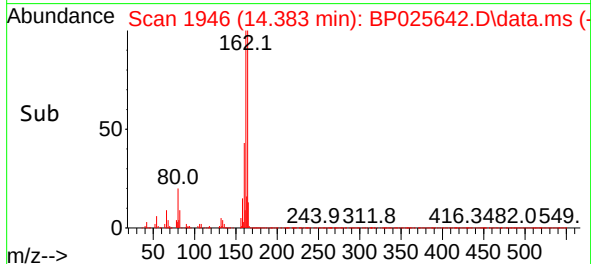
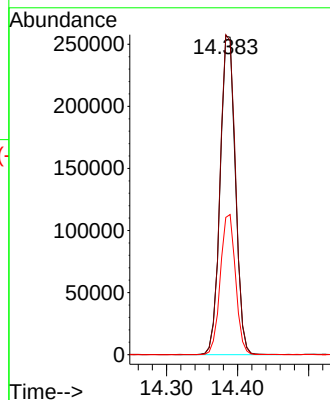
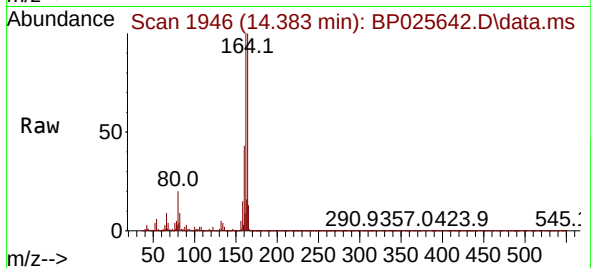
Tgt Ion:164 Resp: 380282

Ion Ratio Lower Upper

164 100

162 100.5 81.0 121.6

160 43.1 35.4 53.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 53.114 ng

RT: 12.566 min Scan# 1637

Delta R.T. -0.024 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Tgt Ion:216 Resp: 583346

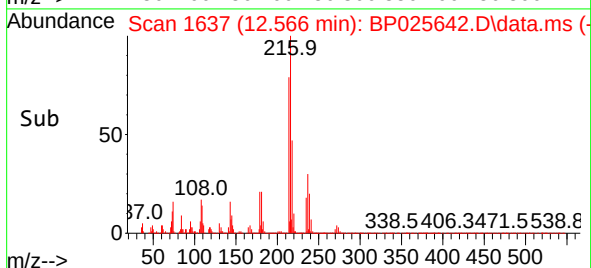
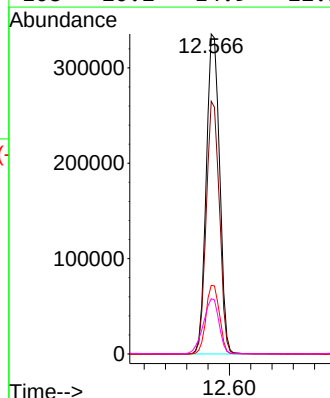
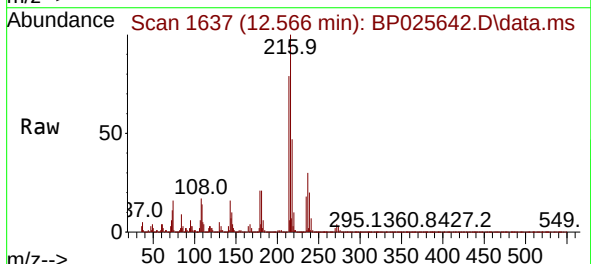
Ion Ratio Lower Upper

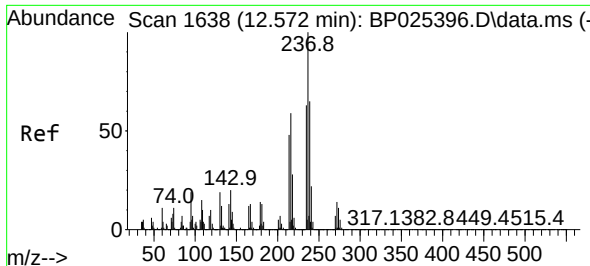
216 100

214 78.1 63.0 94.4

179 21.6 17.1 25.7

108 20.2 14.9 22.3

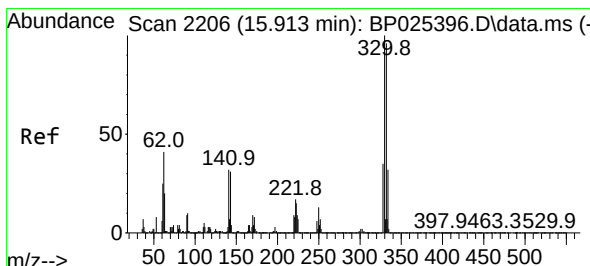
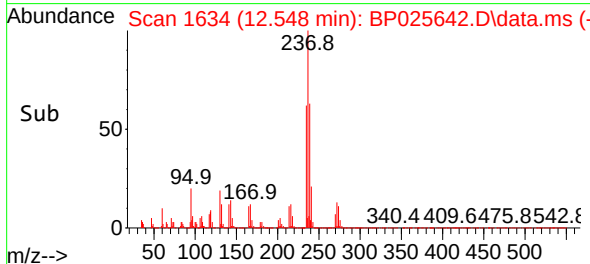
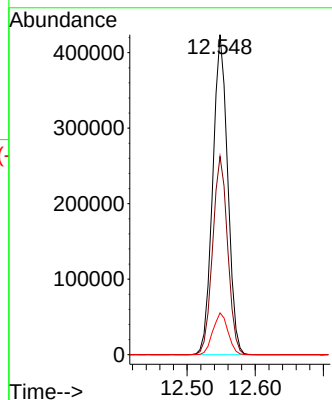
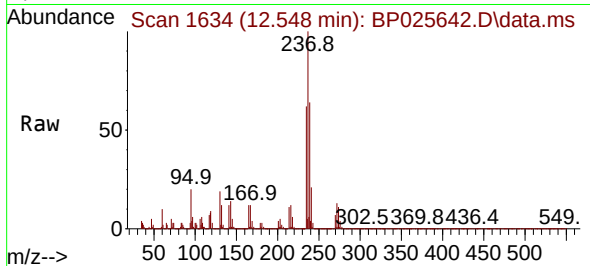




#41  
Hexachlorocyclopentadiene  
Concen: 97.560 ng  
RT: 12.548 min Scan# 1634  
Delta R.T. -0.024 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

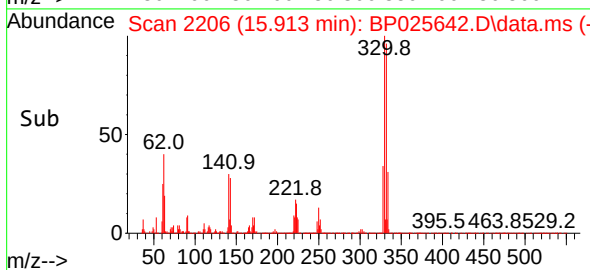
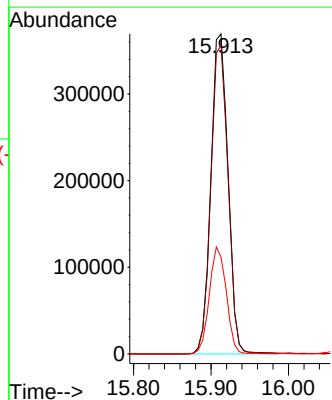
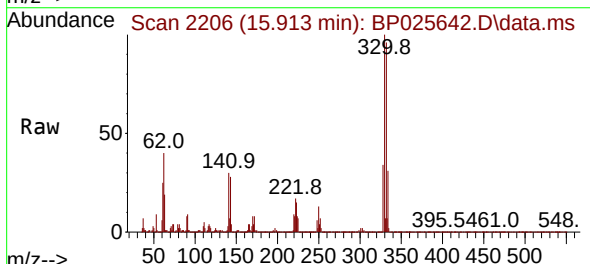
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

Tgt Ion:237 Resp: 647230  
Ion Ratio Lower Upper  
237 100  
235 62.0 42.7 82.7  
272 13.0 0.0 34.0

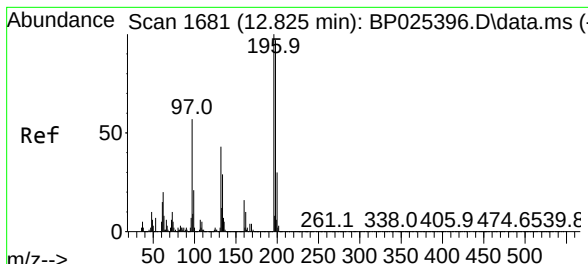


#42  
2,4,6-Tribromophenol  
Concen: 111.084 ng  
RT: 15.913 min Scan# 2206  
Delta R.T. -0.000 min  
Lab File: BP025642.D  
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Tgt Ion:330 Resp: 568596  
Ion Ratio Lower Upper  
330 100  
332 96.7 77.3 115.9  
141 33.0 26.6 39.8



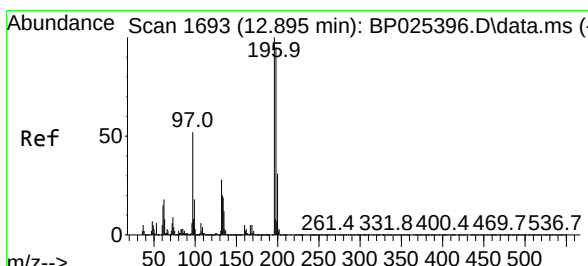
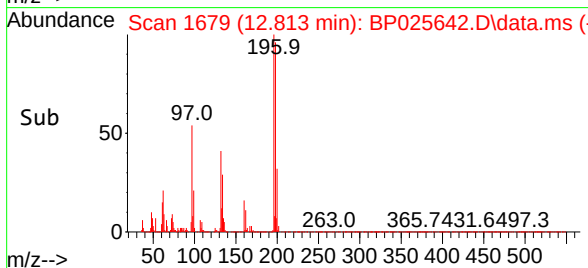
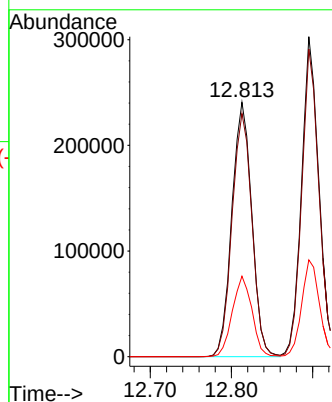
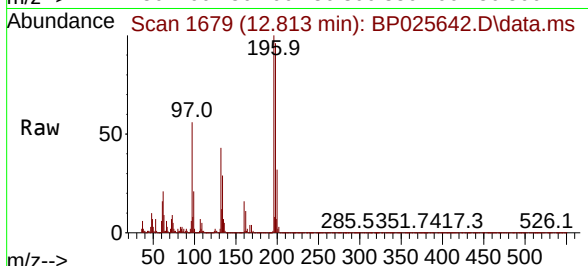




#43  
2,4,6-Trichlorophenol  
Concen: 55.383 ng  
RT: 12.813 min Scan# 1679  
Delta R.T. -0.012 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

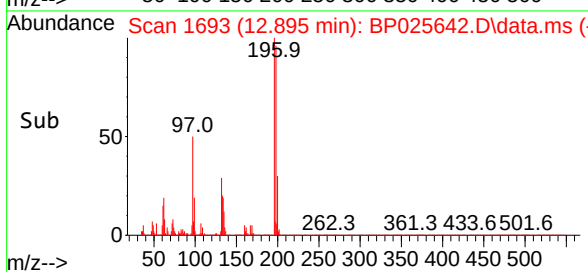
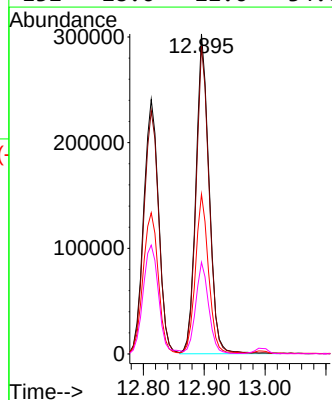
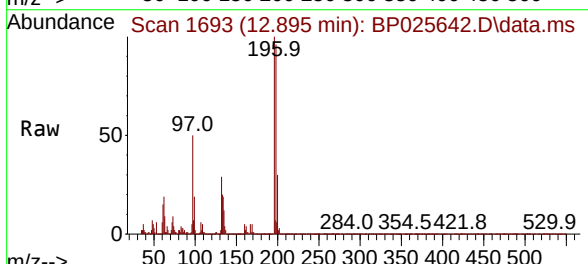
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

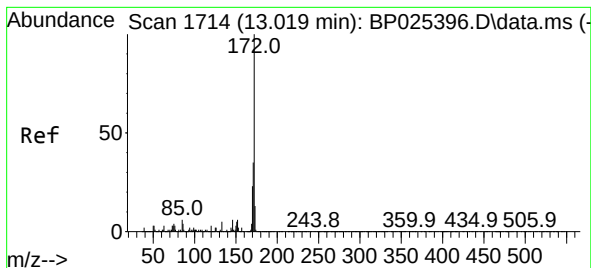
Tgt Ion:196 Resp: 410652  
Ion Ratio Lower Upper  
196 100  
198 95.6 77.2 115.8  
200 31.6 23.9 35.9



#44  
2,4,5-Trichlorophenol  
Concen: 56.035 ng  
RT: 12.895 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:196 Resp: 455356  
Ion Ratio Lower Upper  
196 100  
198 96.2 76.2 114.2  
97 49.9 41.2 61.8  
132 28.6 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 58.302 ng

RT: 12.995 min Scan# 1710

Delta R.T. -0.024 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

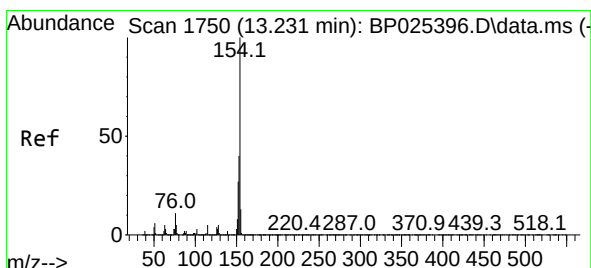
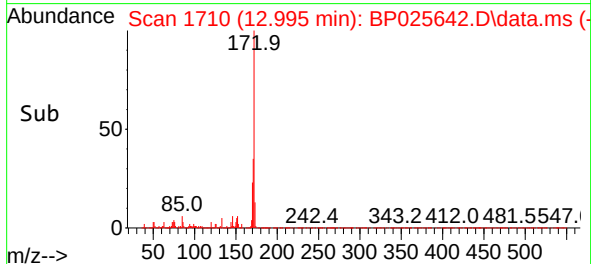
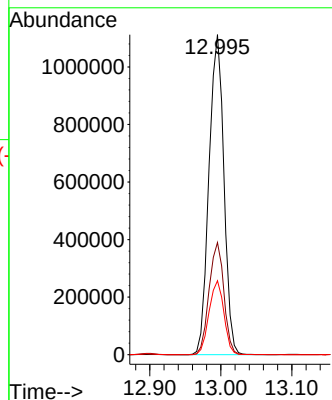
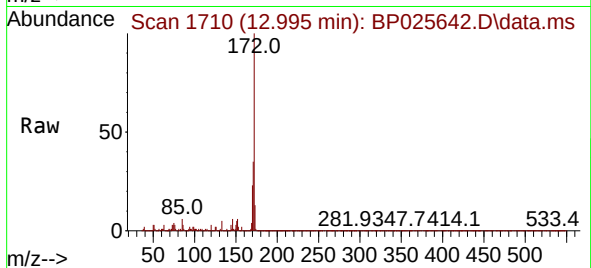
BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

Tgt Ion:172 Resp: 1622254

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.0  | 28.1  | 42.1  |
| 170 | 23.1  | 18.6  | 28.0  |



#46

1,1'-Biphenyl

Concen: 52.084 ng

RT: 13.213 min Scan# 1747

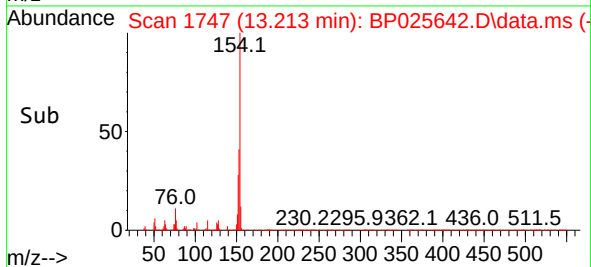
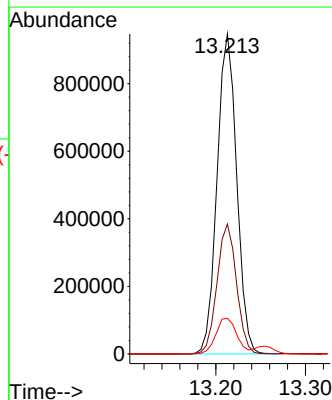
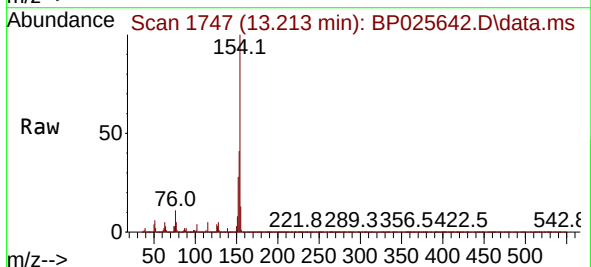
Delta R.T. -0.018 min

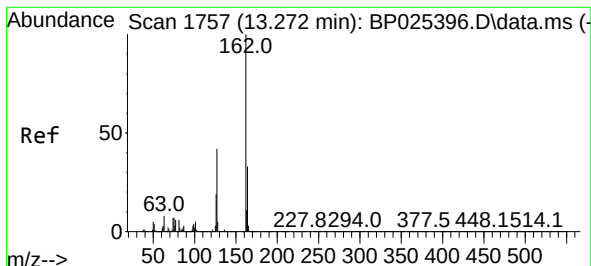
Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Tgt Ion:154 Resp: 1438478

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 40.6  | 19.5  | 59.5  |
| 76  | 11.2  | 0.0   | 31.1  |

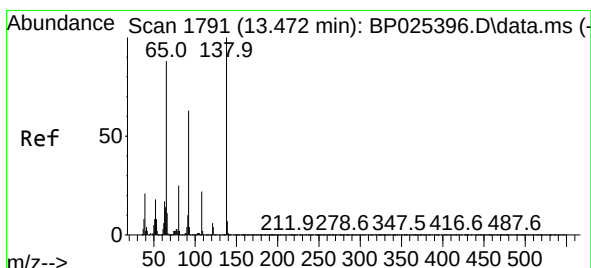
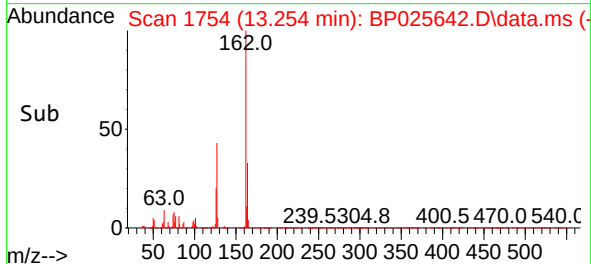
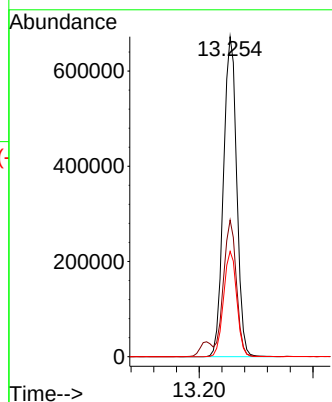
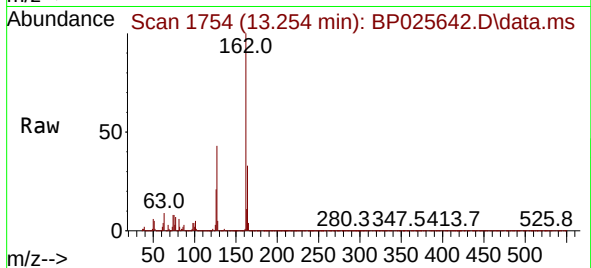




#47  
2-Chloronaphthalene  
Concen: 50.877 ng  
RT: 13.254 min Scan# 1754  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

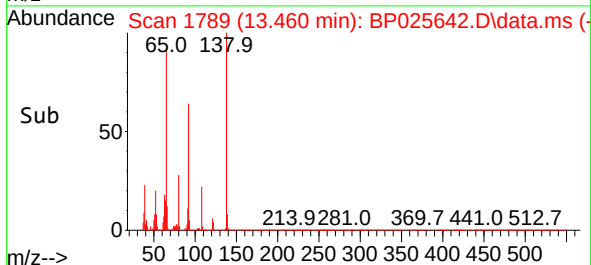
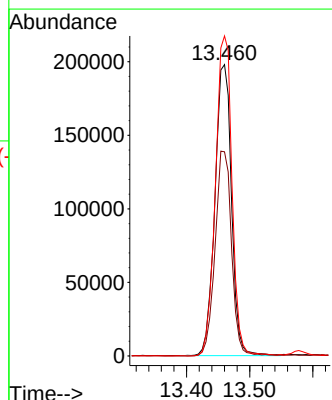
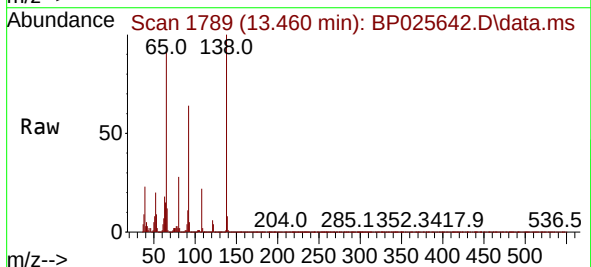
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

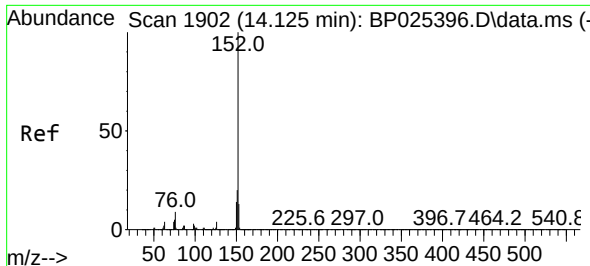
Tgt Ion:162 Resp: 1093886  
Ion Ratio Lower Upper  
162 100  
127 42.7 33.4 50.2  
164 32.9 26.2 39.2



#48  
2-Nitroaniline  
Concen: 57.750 ng  
RT: 13.460 min Scan# 1789  
Delta R.T. -0.012 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion: 65 Resp: 361791  
Ion Ratio Lower Upper  
65 100  
92 70.1 57.6 86.4  
138 109.8 91.0 136.6

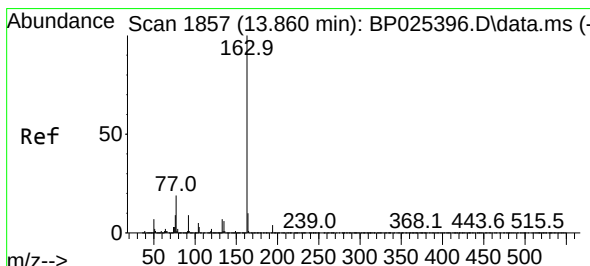
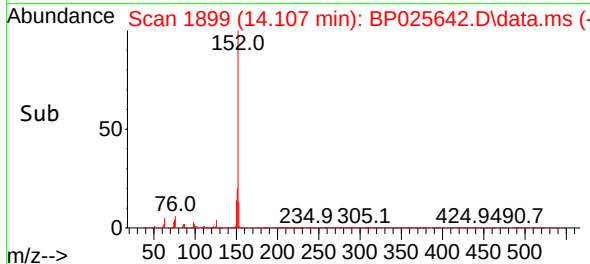
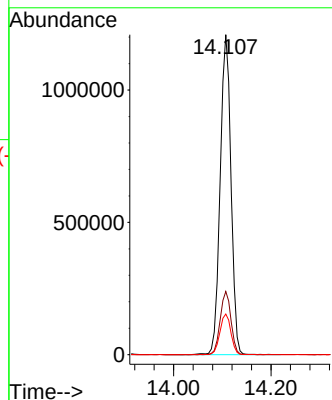
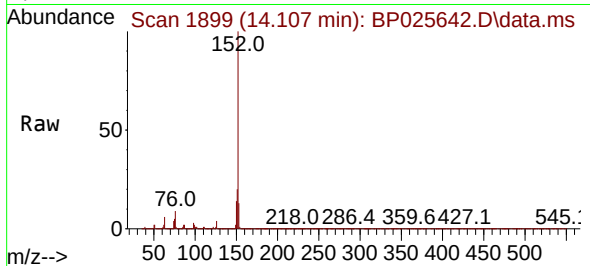




#49  
Acenaphthylene  
Concen: 52.328 ng  
RT: 14.107 min Scan# 1899  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

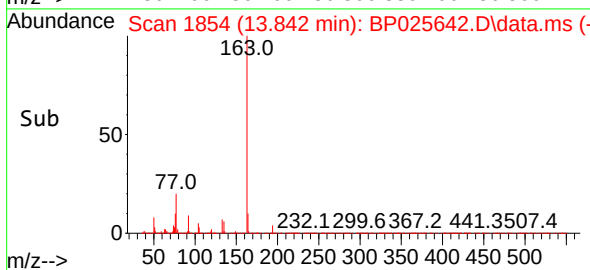
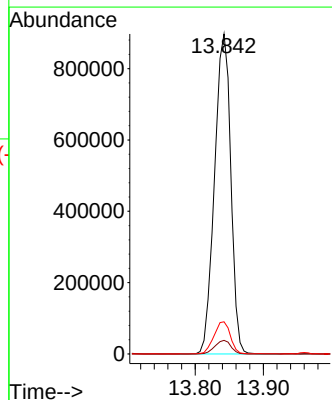
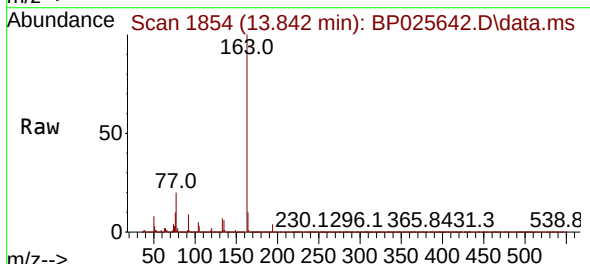
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

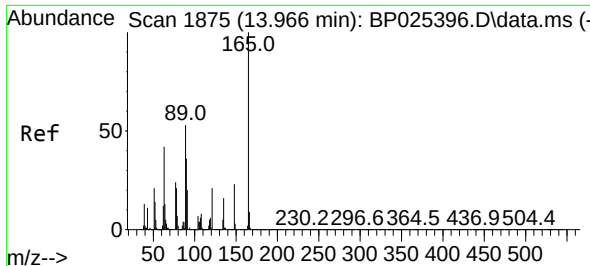
Tgt Ion:152 Resp: 1861693  
Ion Ratio Lower Upper  
152 100  
151 19.8 16.0 24.0  
153 12.7 10.6 15.8



#50  
Dimethylphthalate  
Concen: 53.413 ng  
RT: 13.842 min Scan# 1854  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:163 Resp: 1487417  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.4 5.0  
164 10.1 7.9 11.9

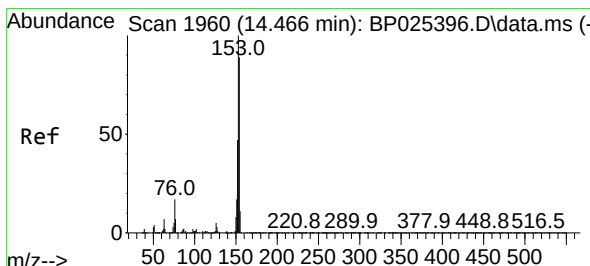
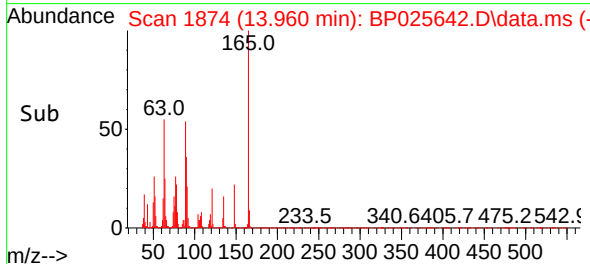
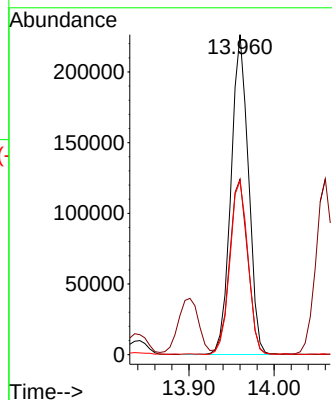
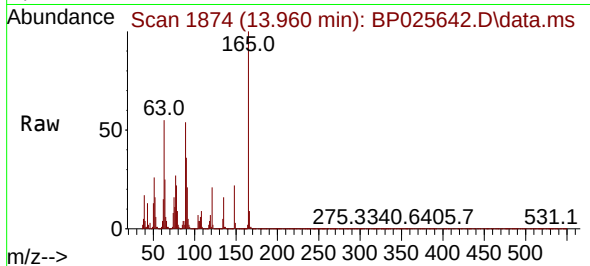




#51  
2,6-Dinitrotoluene  
Concen: 54.984 ng  
RT: 13.960 min Scan# 1875  
Delta R.T. -0.006 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

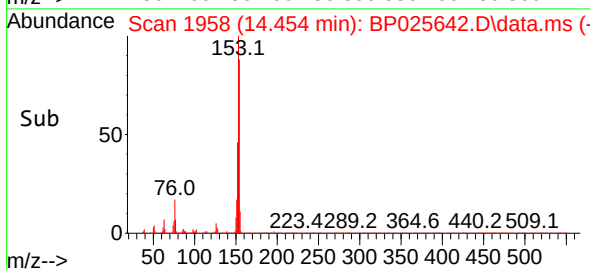
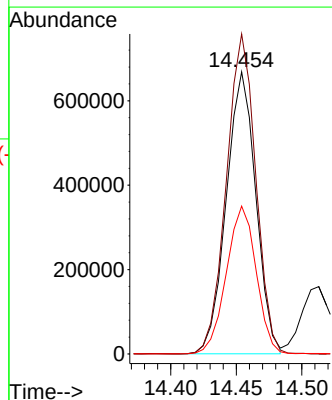
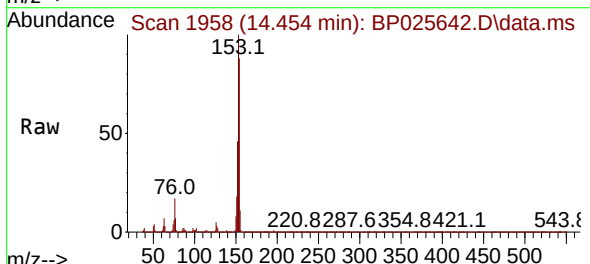
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

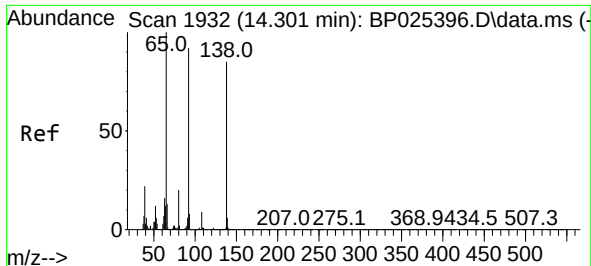
Tgt Ion:165 Resp: 322726  
Ion Ratio Lower Upper  
165 100  
63 54.9 40.9 61.3  
89 54.2 42.1 63.1



#52  
Acenaphthene  
Concen: 50.253 ng  
RT: 14.454 min Scan# 1958  
Delta R.T. -0.012 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:154 Resp: 1049445  
Ion Ratio Lower Upper  
154 100  
153 113.4 90.2 135.2  
152 52.4 42.1 63.1

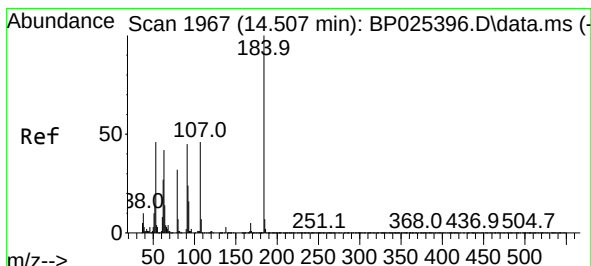
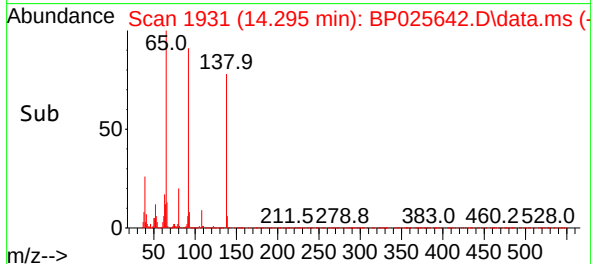
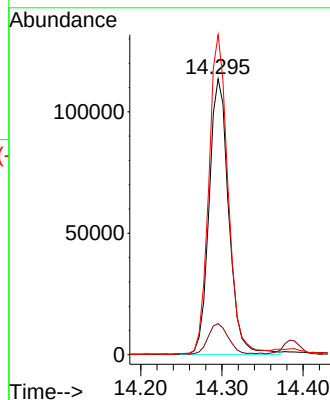
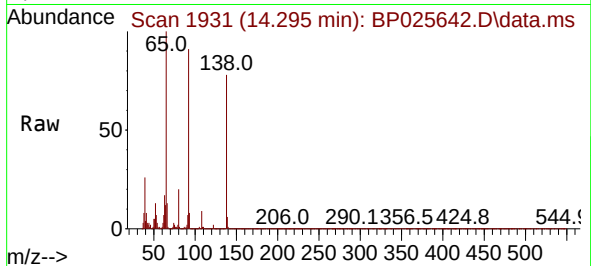




#53  
3-Nitroaniline  
Concen: 28.859 ng  
RT: 14.295 min Scan# 1931  
Delta R.T. -0.006 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

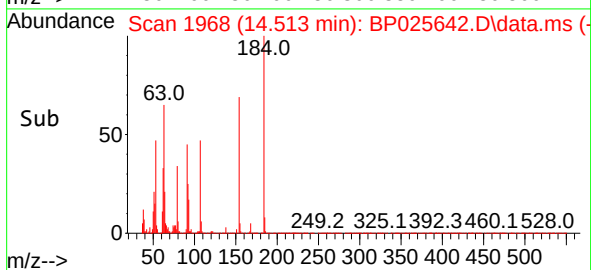
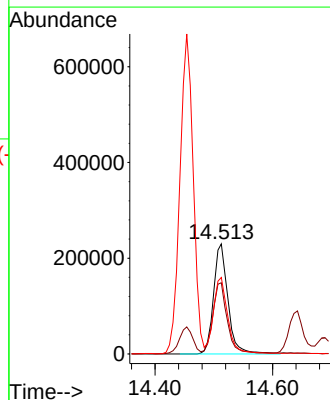
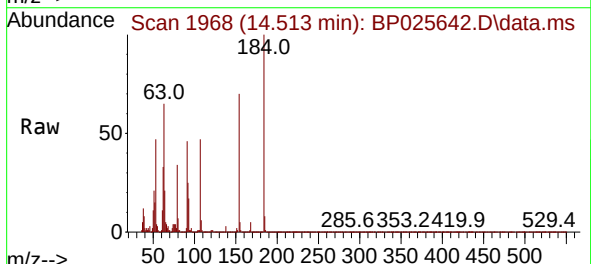
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

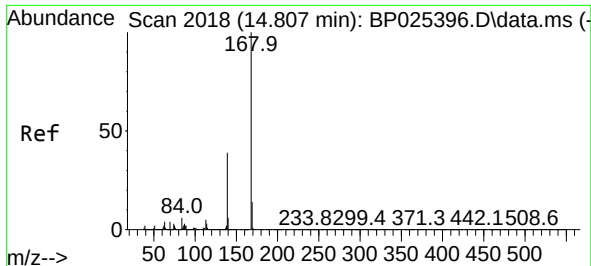
Tgt Ion:138 Resp: 190576  
Ion Ratio Lower Upper  
138 100  
108 11.3 8.3 12.5  
92 116.0 86.2 129.2



#54  
2,4-Dinitrophenol  
Concen: 124.872 ng  
RT: 14.513 min Scan# 1968  
Delta R.T. 0.006 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:184 Resp: 391406  
Ion Ratio Lower Upper  
184 100  
63 64.7 49.4 74.2  
154 69.5 54.6 82.0

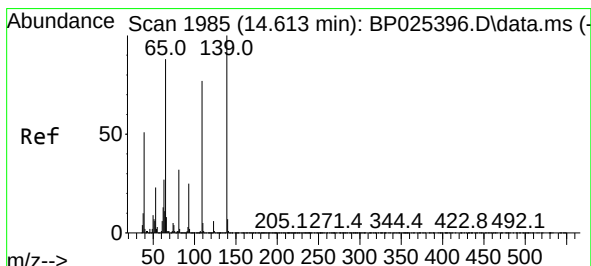
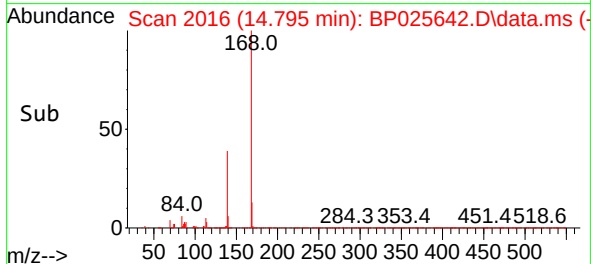
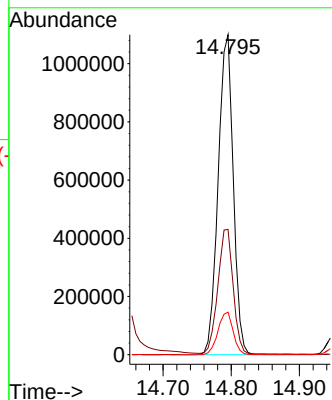
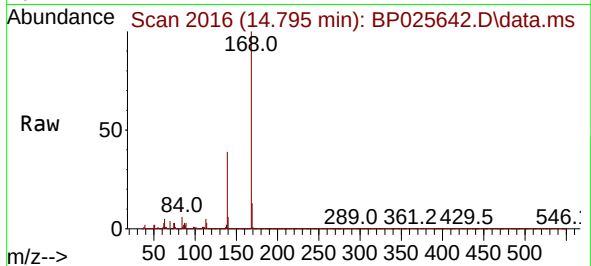




#55  
Dibenzenofuran  
Concen: 51.284 ng  
RT: 14.795 min Scan# 2018  
Delta R.T. -0.012 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

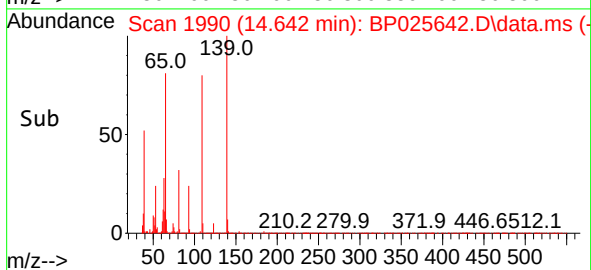
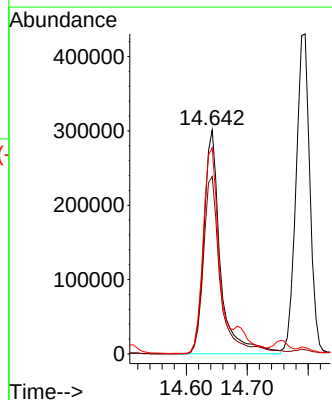
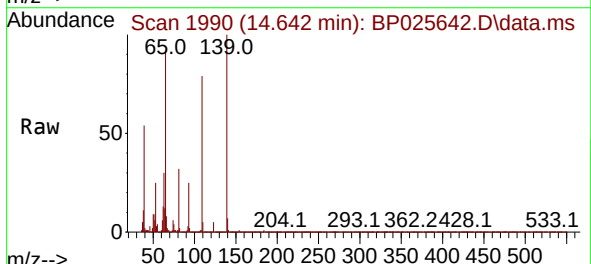
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

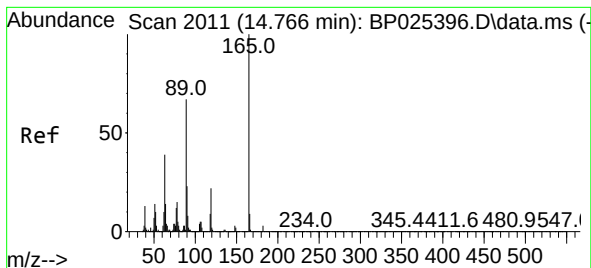
Tgt Ion:168 Resp: 1693213  
Ion Ratio Lower Upper  
168 100  
139 39.1 31.5 47.3  
169 13.3 10.9 16.3



#56  
4-Nitrophenol  
Concen: 104.275 ng  
RT: 14.642 min Scan# 1990  
Delta R.T. 0.029 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:139 Resp: 565850  
Ion Ratio Lower Upper  
139 100  
109 79.2 56.6 96.6  
65 92.0 68.2 108.2

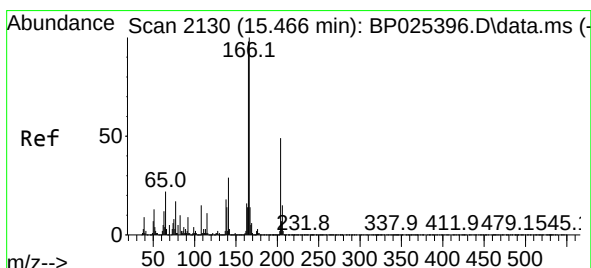
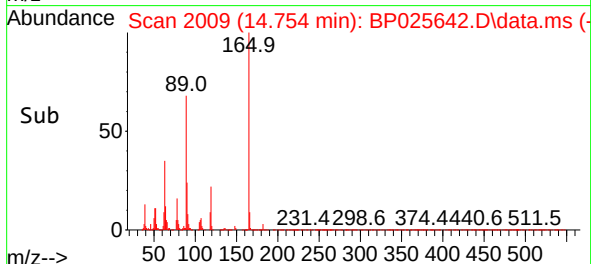
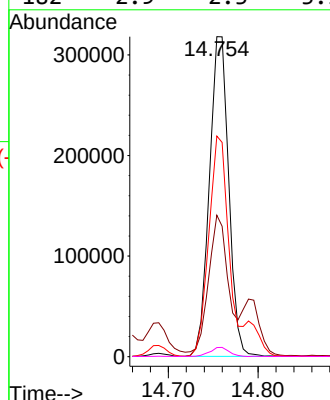
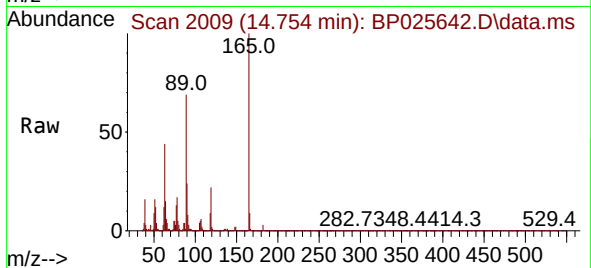




#57  
2,4-Dinitrotoluene  
Concen: 56.788 ng  
RT: 14.754 min Scan# 2011  
Delta R.T. -0.012 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

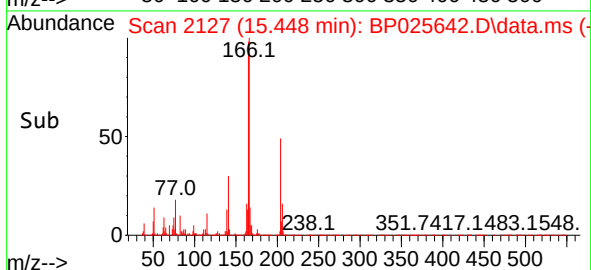
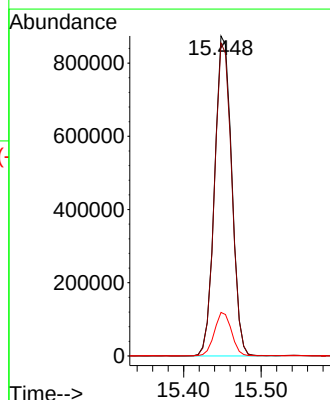
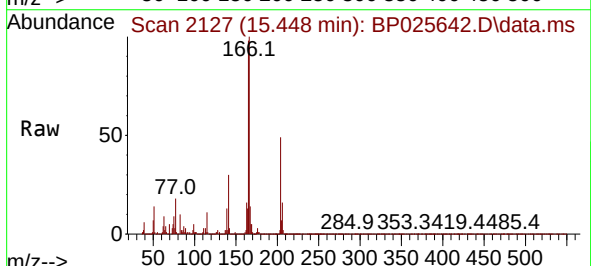
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 475557 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 44.2  | 31.4  | 47.2   |
| 89       | 69.0  | 53.3  | 79.9   |
| 182      | 2.9   | 2.3   | 3.5    |

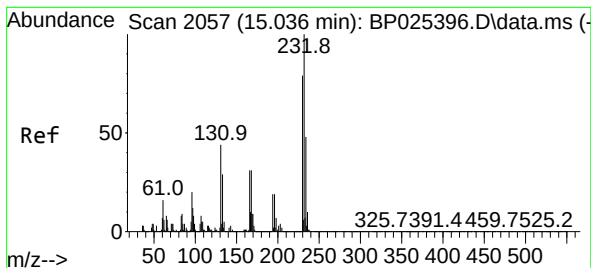


#58  
Fluorene  
Concen: 51.461 ng  
RT: 15.448 min Scan# 2127  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 166   | Resp: | 1340672 |
| Ion      | Ratio | Lower | Upper   |
| 166      | 100   |       |         |
| 165      | 97.8  | 78.8  | 118.2   |
| 167      | 13.6  | 11.0  | 16.4    |



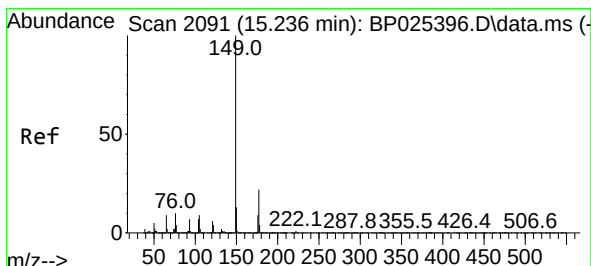
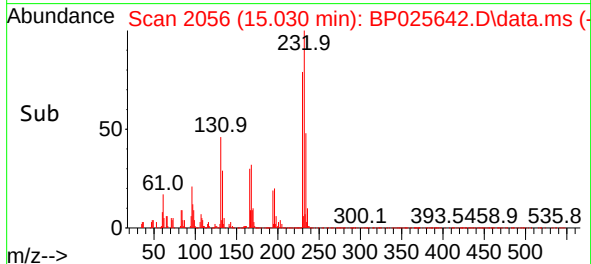
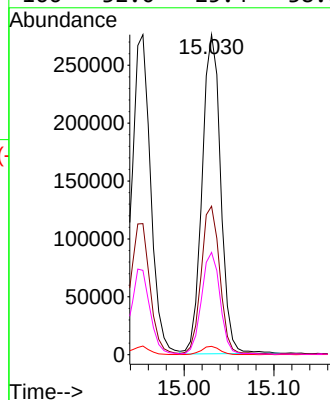
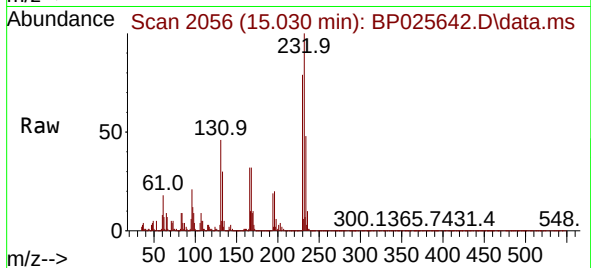




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 55.289 ng  
RT: 15.030 min Scan# 2057  
Delta R.T. -0.006 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

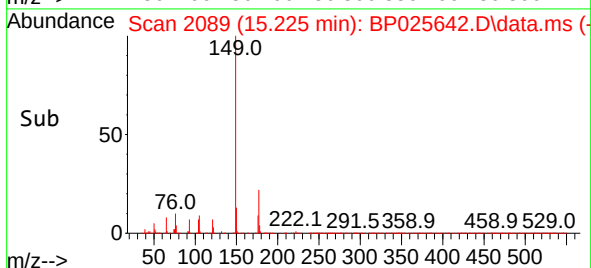
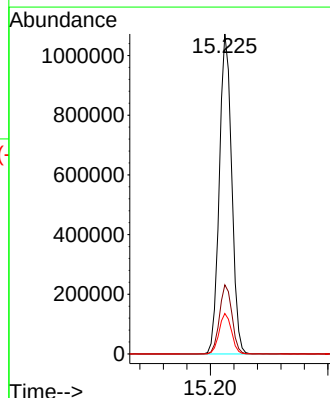
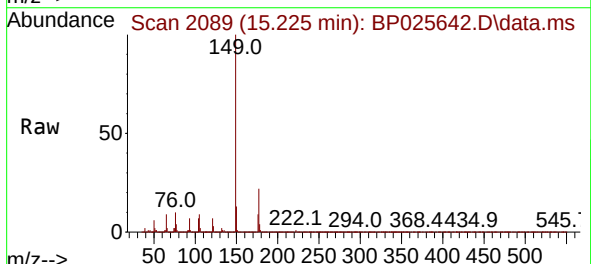
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

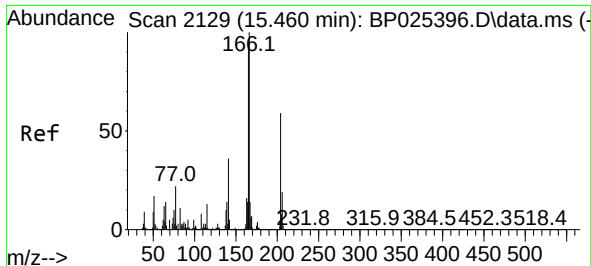
Tgt Ion:232 Resp: 396720  
Ion Ratio Lower Upper  
232 100  
131 46.6 37.0 55.6  
130 2.6 1.9 2.9  
166 32.0 25.4 38.0



#60  
Diethylphthalate  
Concen: 55.326 ng  
RT: 15.225 min Scan# 2089  
Delta R.T. -0.012 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:149 Resp: 1565509  
Ion Ratio Lower Upper  
149 100  
177 21.6 17.3 25.9  
150 12.7 10.3 15.5

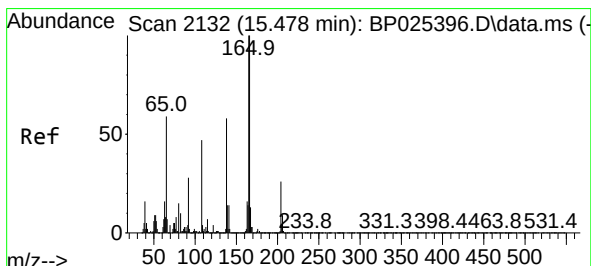
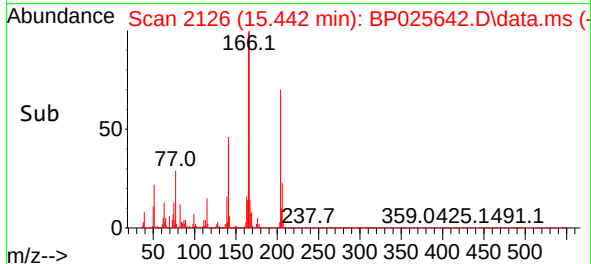
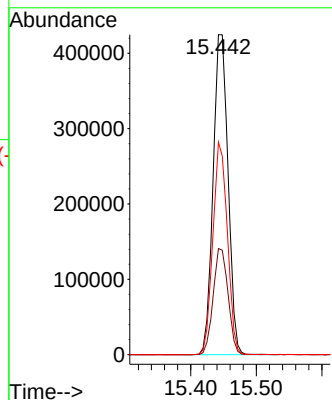
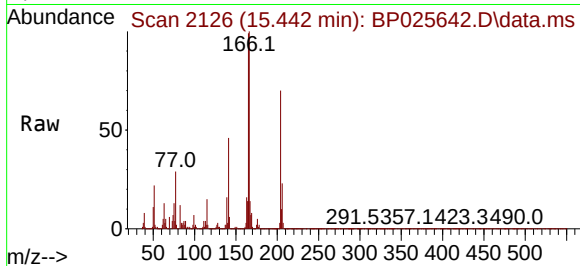




#61  
4-Chlorophenyl-phenylether  
Concen: 51.743 ng  
RT: 15.442 min Scan# 2126  
Delta R.T. -0.018 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

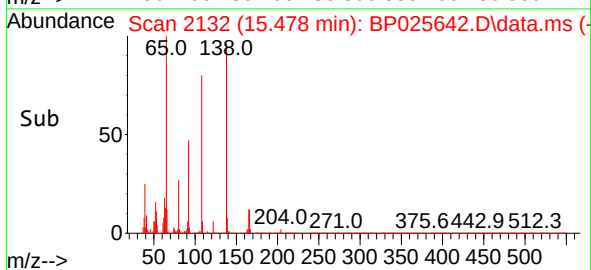
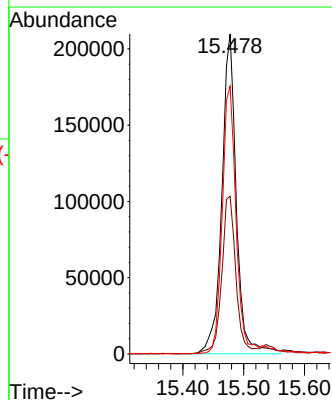
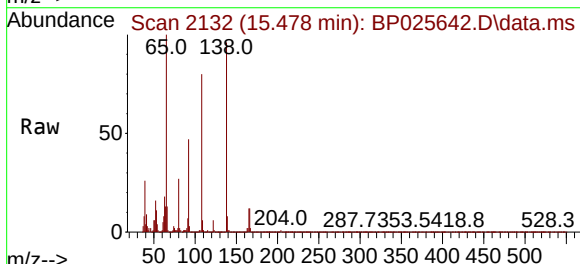
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

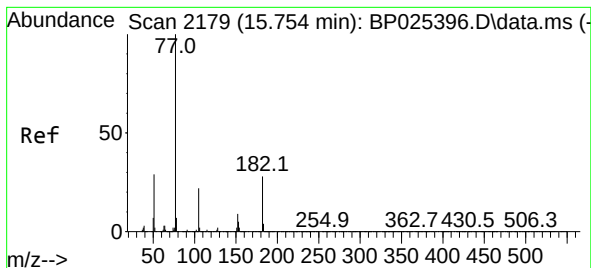
Tgt Ion:204 Resp: 670418  
Ion Ratio Lower Upper  
204 100  
206 33.2 25.8 38.8  
141 66.4 49.4 74.2



#62  
4-Nitroaniline  
Concen: 51.170 ng  
RT: 15.478 min Scan# 2132  
Delta R.T. -0.000 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:138 Resp: 346415  
Ion Ratio Lower Upper  
138 100  
92 49.3 29.1 69.1  
108 83.6 61.5 101.5





#63

Azobenzene

Concen: 61.019 ng

RT: 15.748 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

Tgt Ion: 77 Resp: 1478425

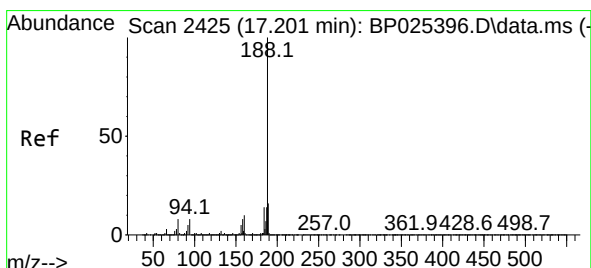
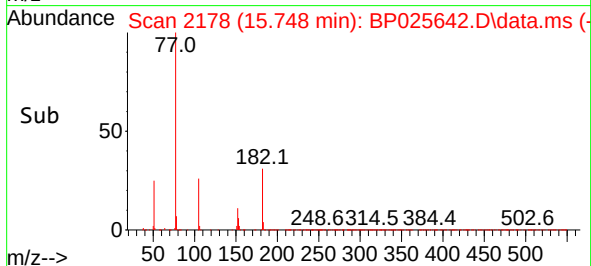
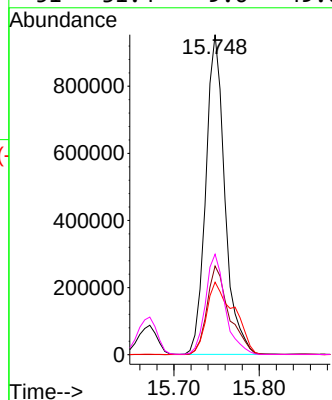
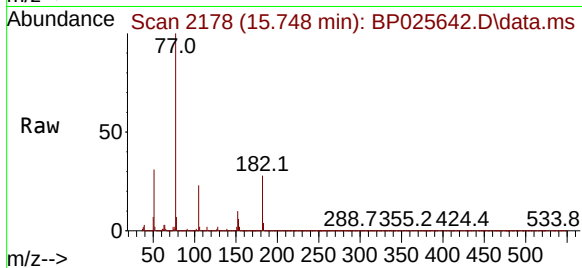
Ion Ratio Lower Upper

77 100

182 27.7 7.5 47.5

105 22.6 2.1 42.1

51 31.4 9.6 49.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.189 min Scan# 2423

Delta R.T. -0.012 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

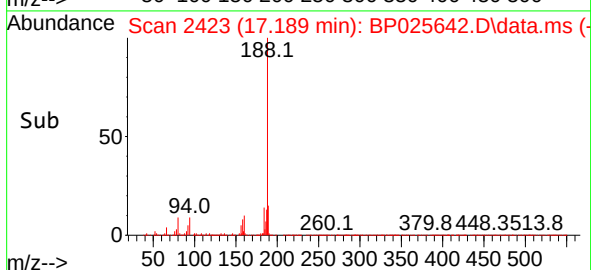
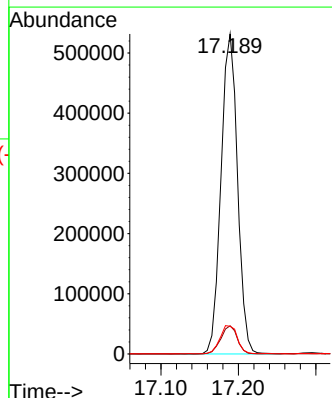
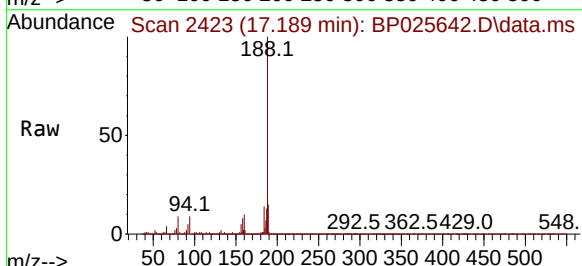
Tgt Ion:188 Resp: 785697

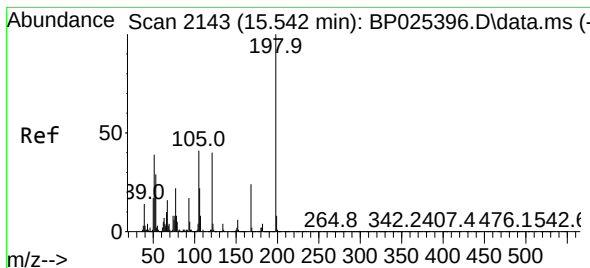
Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 8.7 6.7 10.1

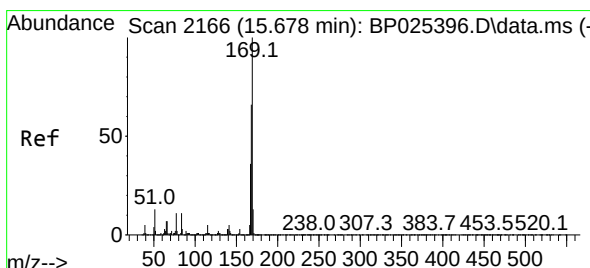
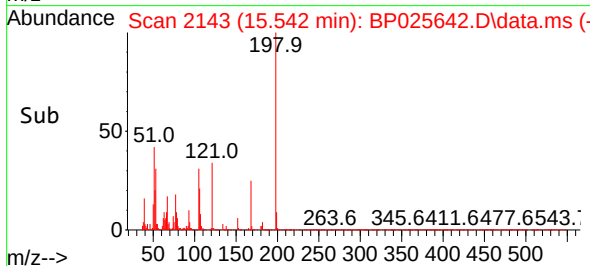
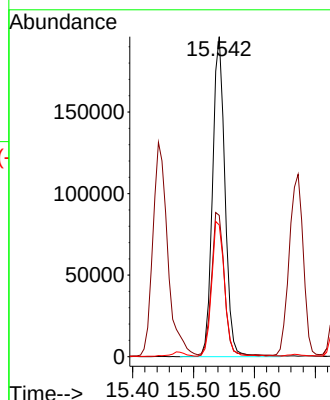
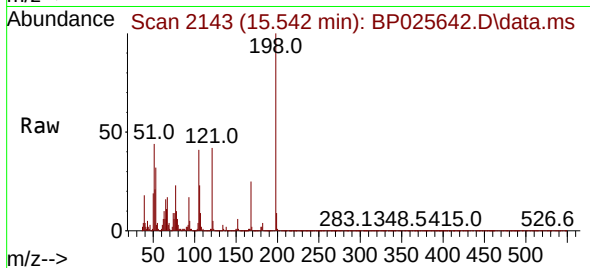




#65  
4,6-Dinitro-2-methylphenol  
Concen: 56.751 ng  
RT: 15.542 min Scan# 2143  
Delta R.T. -0.000 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

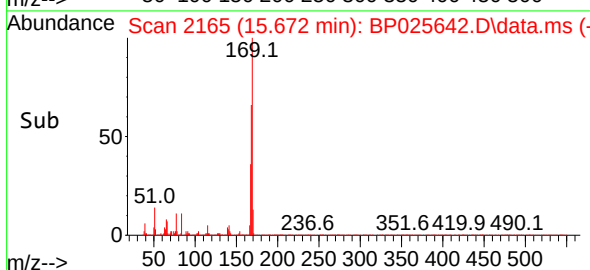
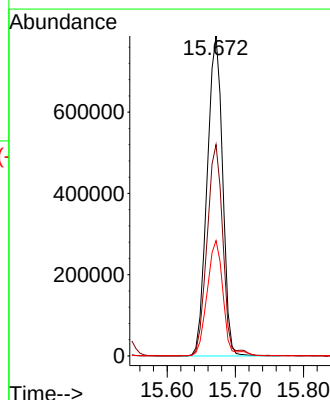
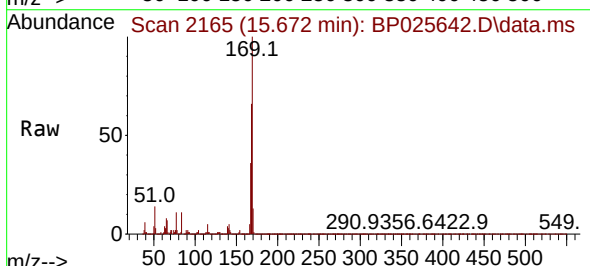
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

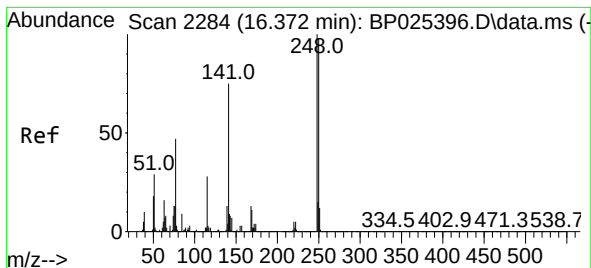
Tgt Ion:198 Resp: 277946  
Ion Ratio Lower Upper  
198 100  
51 44.1 19.6 59.6  
105 41.2 20.9 60.9



#66  
n-Nitrosodiphenylamine  
Concen: 51.818 ng  
RT: 15.672 min Scan# 2165  
Delta R.T. -0.006 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:169 Resp: 1241513  
Ion Ratio Lower Upper  
169 100  
168 66.0 53.2 79.8  
167 36.1 28.7 43.1

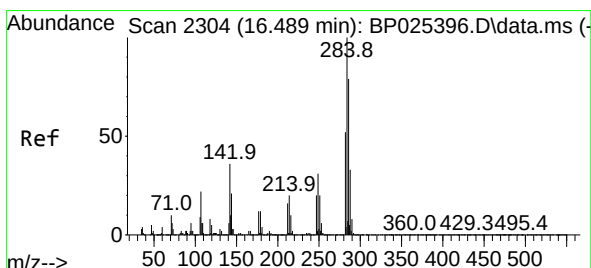
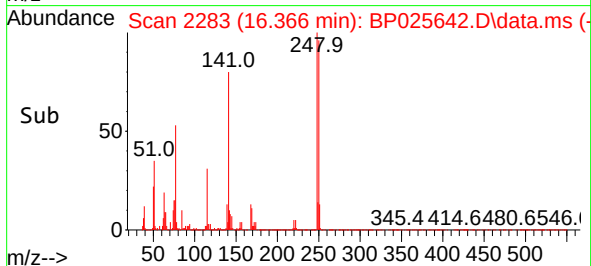
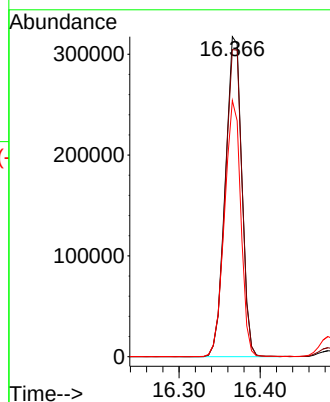
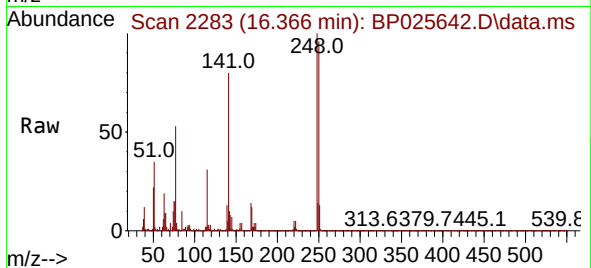




#67  
4-Bromophenyl-phenylether  
Concen: 52.124 ng  
RT: 16.366 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

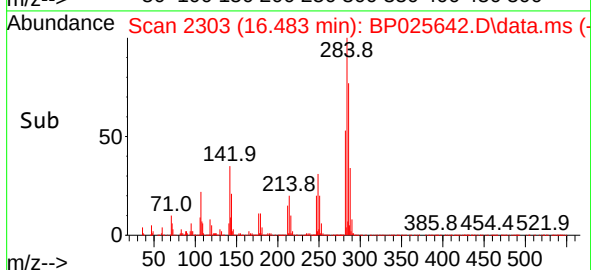
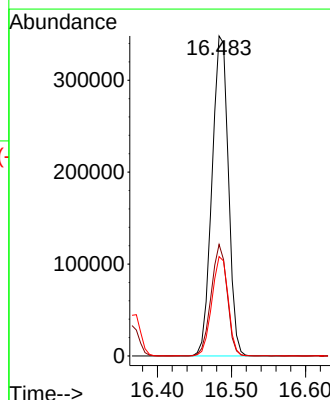
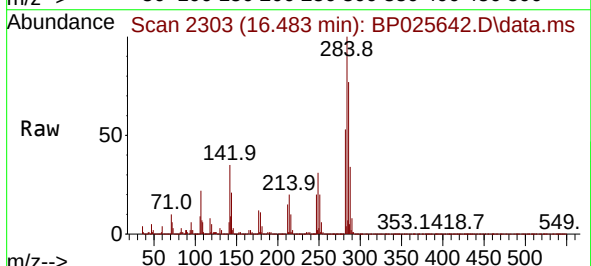
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

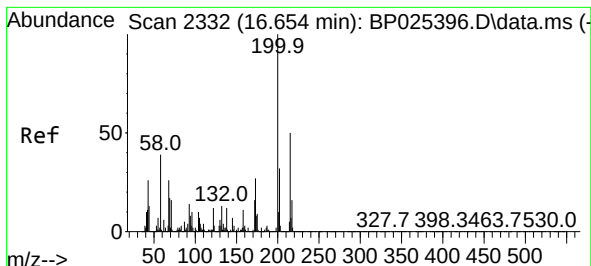
Tgt Ion:248 Resp: 450417  
Ion Ratio Lower Upper  
248 100  
250 95.9 78.2 117.2  
141 80.1 59.6 89.4



#68  
Hexachlorobenzene  
Concen: 53.313 ng  
RT: 16.483 min Scan# 2303  
Delta R.T. -0.006 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:284 Resp: 534029  
Ion Ratio Lower Upper  
284 100  
142 34.9 29.1 43.7  
249 31.0 25.0 37.4





#69

Atrazine

Concen: 54.752 ng

RT: 16.654 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

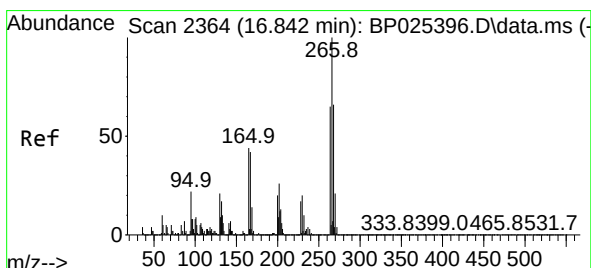
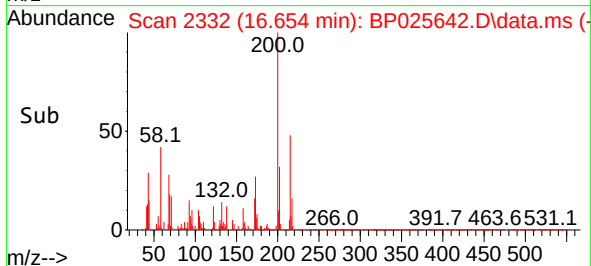
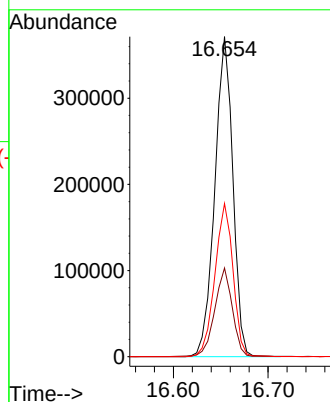
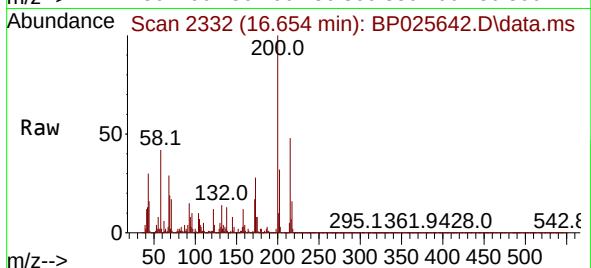
Tgt Ion:200 Resp: 491276

Ion Ratio Lower Upper

200 100

173 27.7 6.7 46.7

215 47.8 29.7 69.7



#70

Pentachlorophenol

Concen: 112.179 ng

RT: 16.842 min Scan# 2364

Delta R.T. -0.000 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

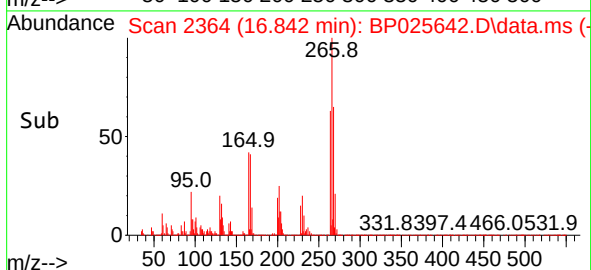
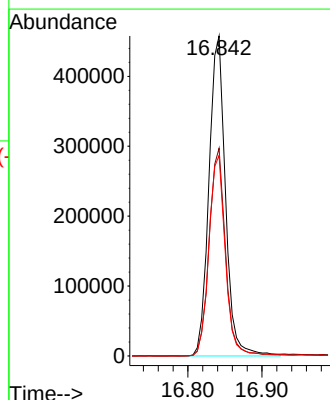
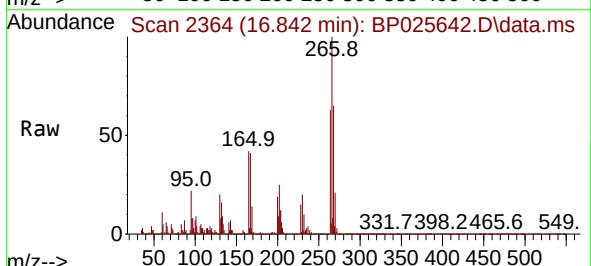
Tgt Ion:266 Resp: 709330

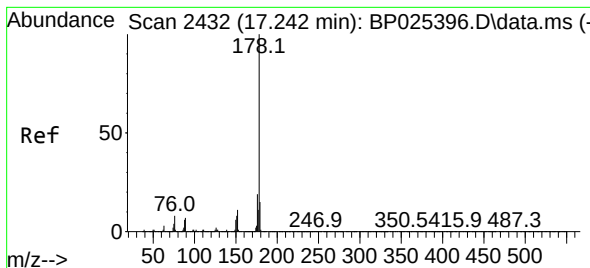
Ion Ratio Lower Upper

266 100

268 64.9 52.6 79.0

264 62.6 52.0 78.0





#71

Phenanthrene

Concen: 51.341 ng

RT: 17.230 min Scan# 2432

Delta R.T. -0.012 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

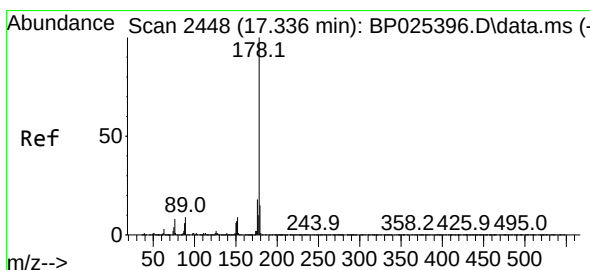
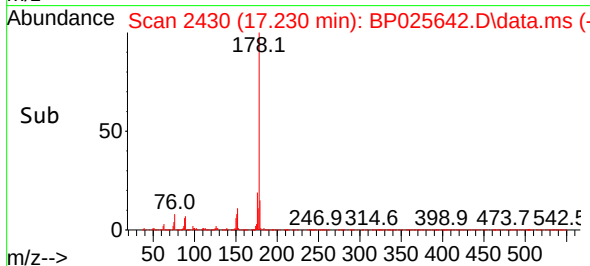
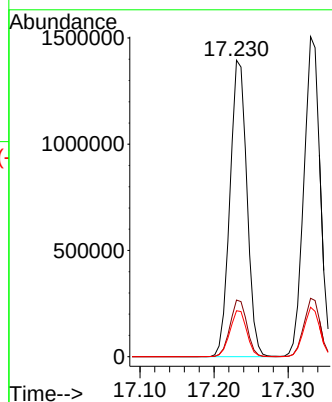
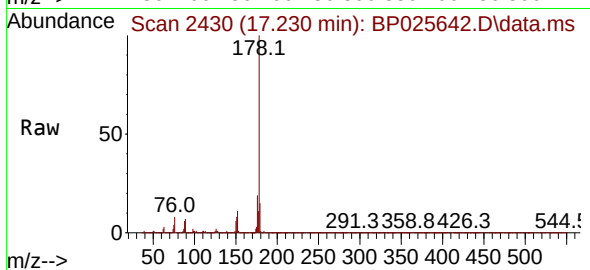
Tgt Ion:178 Resp: 2215919

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.5 12.2 18.4



#72

Anthracene

Concen: 52.220 ng

RT: 17.330 min Scan# 2447

Delta R.T. -0.006 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

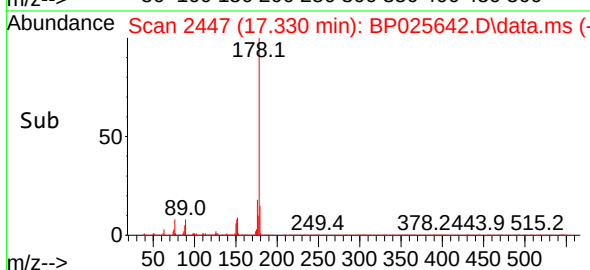
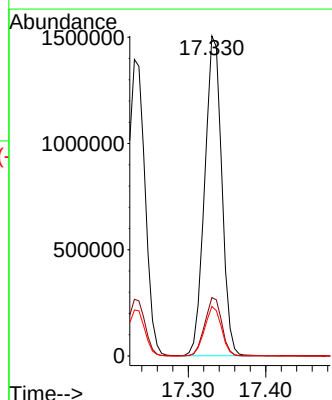
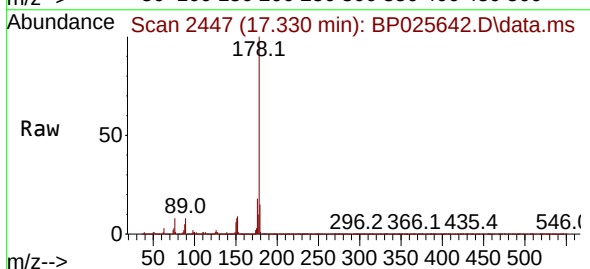
Tgt Ion:178 Resp: 2301659

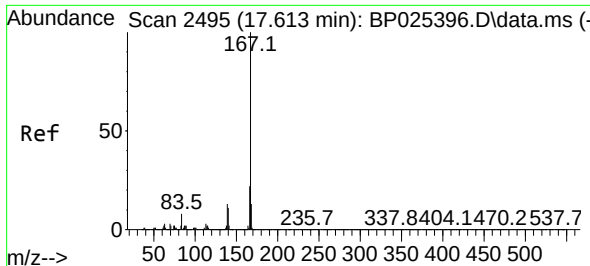
Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 15.4 12.2 18.2

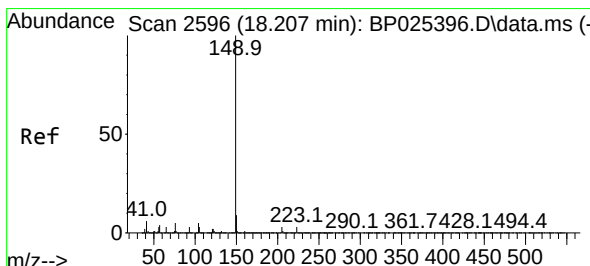
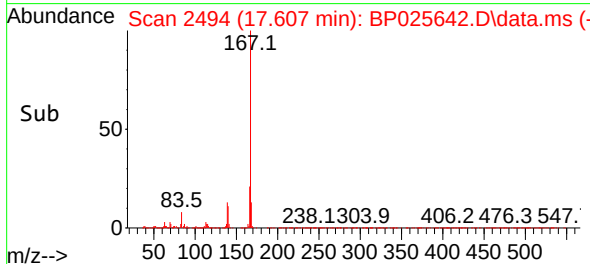
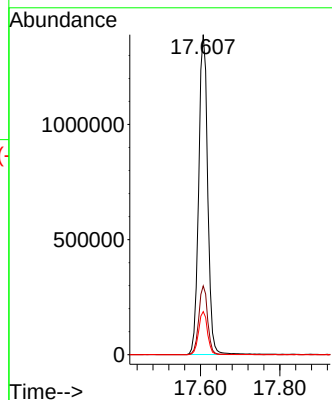
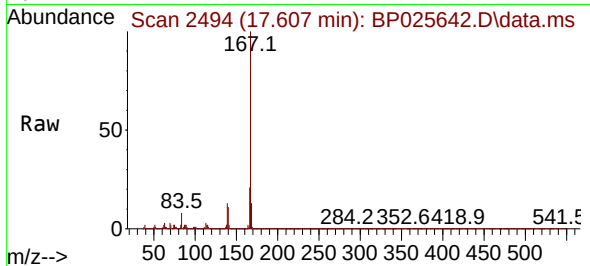




#73  
 Carbazole  
 Concen: 52.586 ng  
 RT: 17.607 min Scan# 2494  
 Delta R.T. -0.006 min  
 Lab File: BP025642.D  
 Acq: 02 Sep 2025 17:37

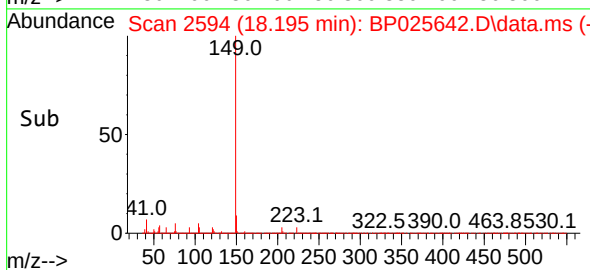
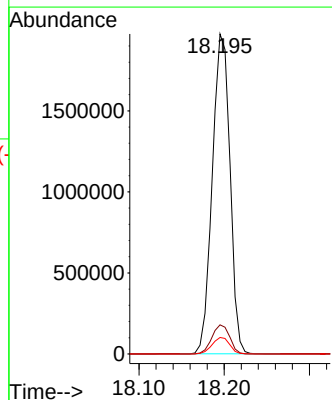
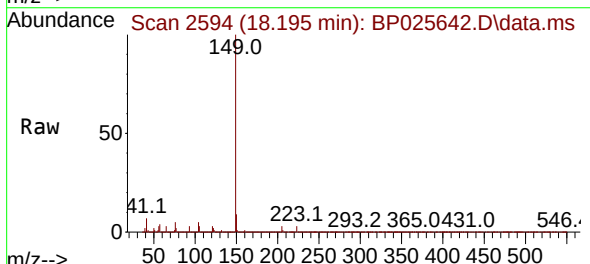
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SOUTH-TP-5MSD

Tgt Ion:167 Resp: 2183170  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.5 26.3  
 139 13.5 10.6 16.0

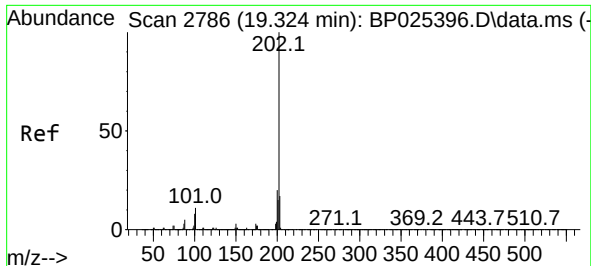


#74  
 Di-n-butylphthalate  
 Concen: 55.653 ng  
 RT: 18.195 min Scan# 2594  
 Delta R.T. -0.012 min  
 Lab File: BP025642.D  
 Acq: 02 Sep 2025 17:37

Tgt Ion:149 Resp: 2842640  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.4 11.0  
 104 5.2 4.2 6.2



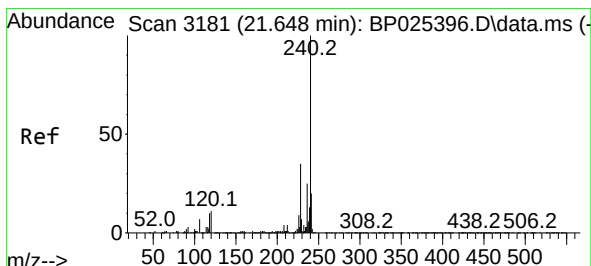
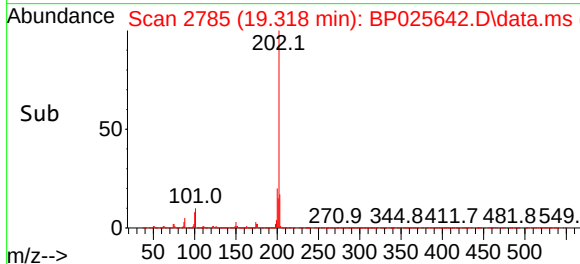
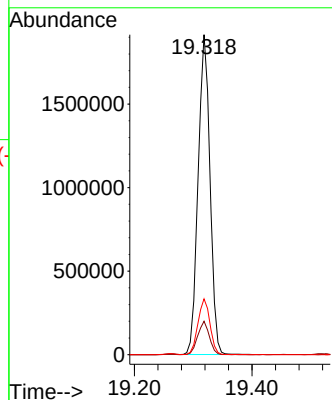
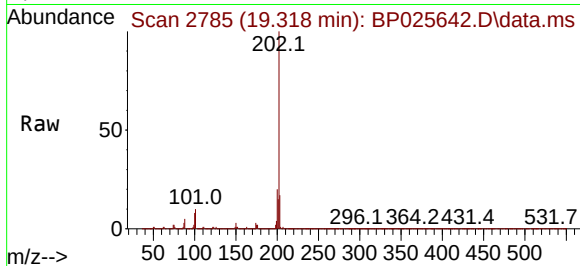




#75  
Fluoranthene  
Concen: 52.019 ng  
RT: 19.318 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

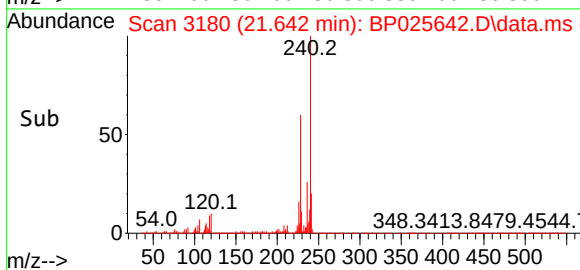
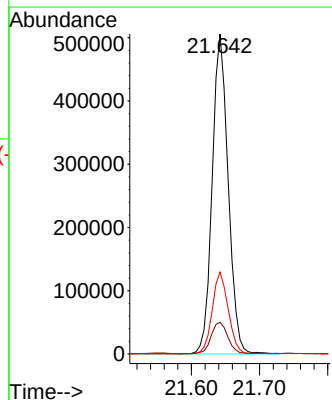
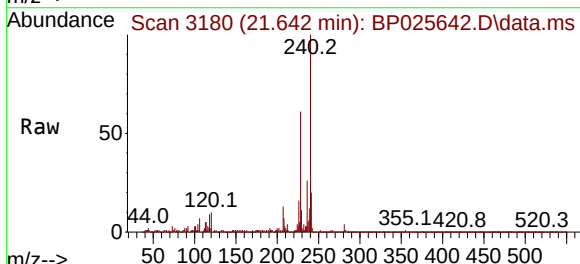
Instrument :  
BNA\_P  
ClientSampleId :  
SOUTH-TP-5MSD

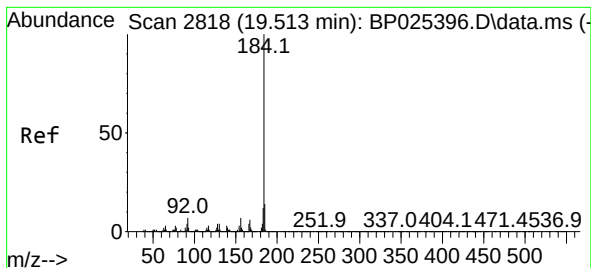
Tgt Ion:202 Resp: 2678119  
Ion Ratio Lower Upper  
202 100  
101 10.4 0.0 31.1  
203 17.5 0.0 37.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.642 min Scan# 3180  
Delta R.T. -0.006 min  
Lab File: BP025642.D  
Acq: 02 Sep 2025 17:37

Tgt Ion:240 Resp: 824922  
Ion Ratio Lower Upper  
240 100  
120 9.9 8.9 13.3  
236 25.6 19.8 29.8





#77

Benzidine

Concen: 38.587 ng

RT: 19.518 min Scan# 2819

Delta R.T. 0.006 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

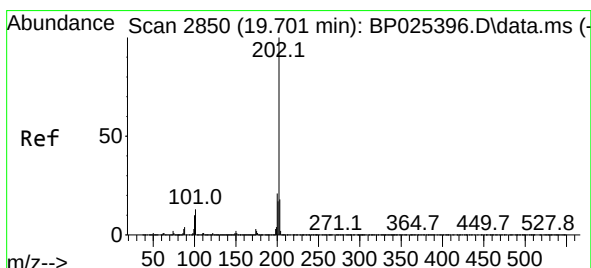
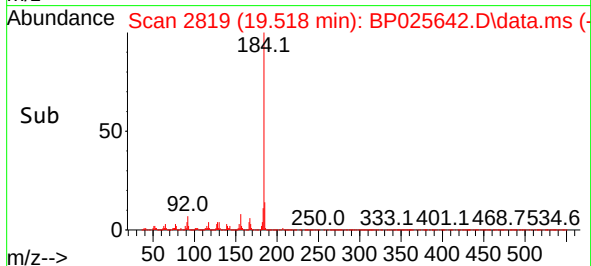
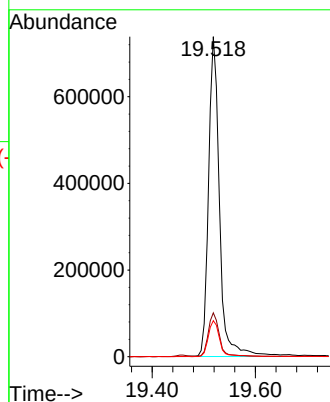
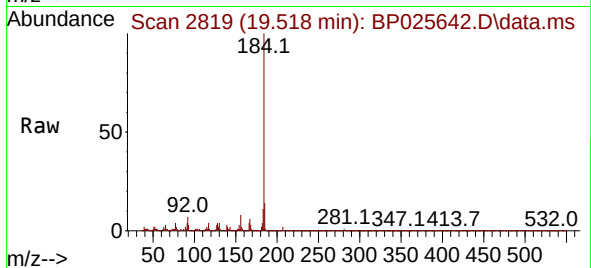
Tgt Ion:184 Resp: 1086334

Ion Ratio Lower Upper

184 100

185 13.7 11.5 17.3

183 11.2 9.4 14.2



#78

Pyrene

Concen: 51.234 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

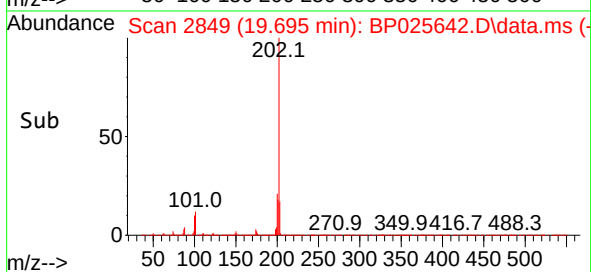
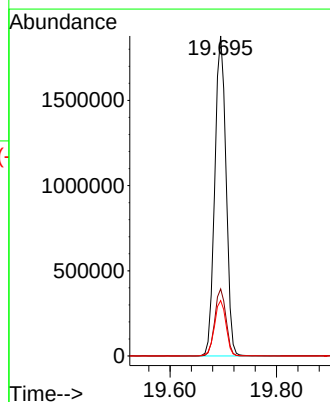
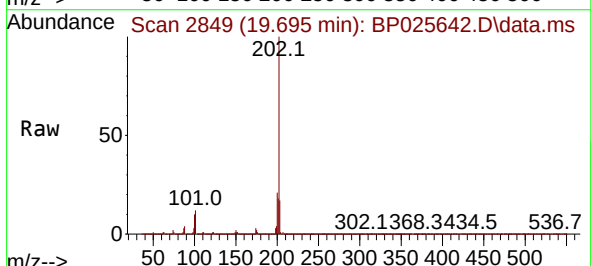
Tgt Ion:202 Resp: 2747023

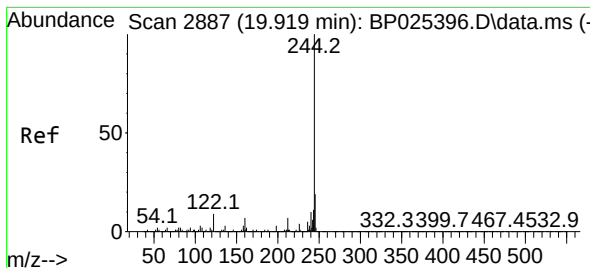
Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 61.140 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

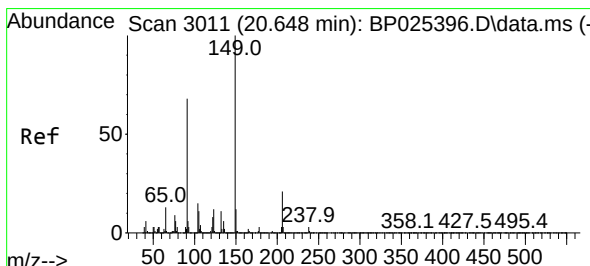
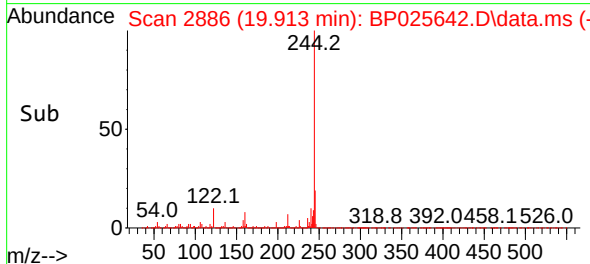
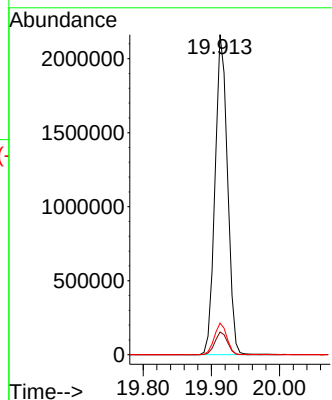
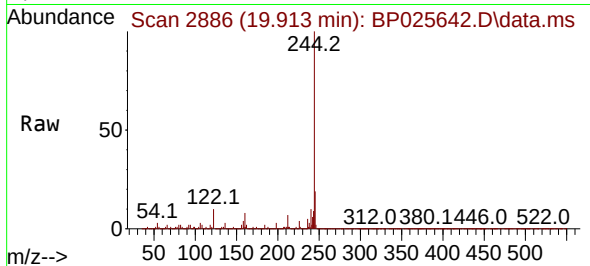
Tgt Ion:244 Resp: 2756690

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.9 7.4 11.2



#80

Butylbenzylphthalate

Concen: 56.014 ng

RT: 20.648 min Scan# 3011

Delta R.T. -0.000 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

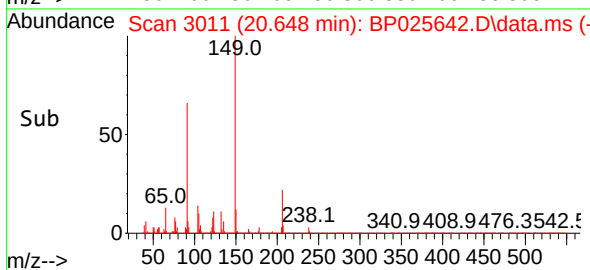
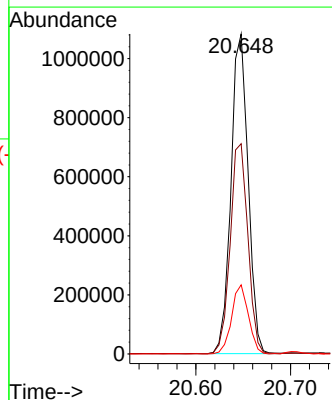
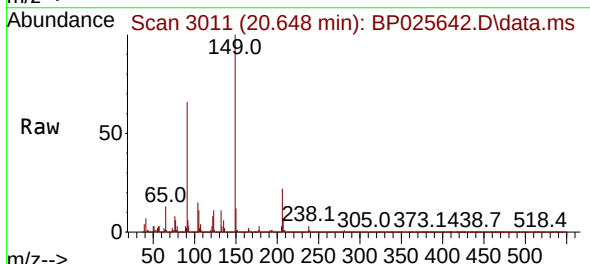
Tgt Ion:149 Resp: 1361147

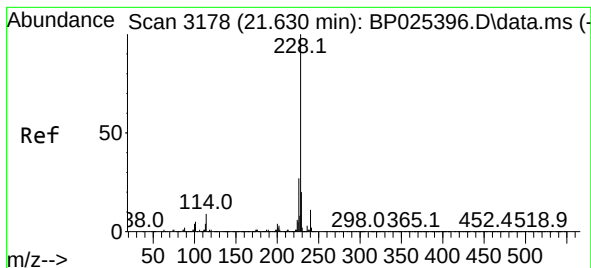
Ion Ratio Lower Upper

149 100

91 65.7 54.2 81.2

206 21.6 16.6 24.8





#81

Benzo(a)anthracene

Concen: 51.788 ng

RT: 21.624 min Scan# 3177

Delta R.T. -0.006 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

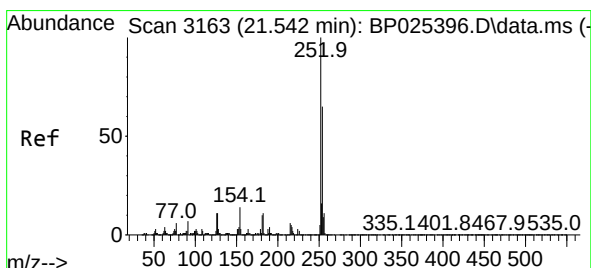
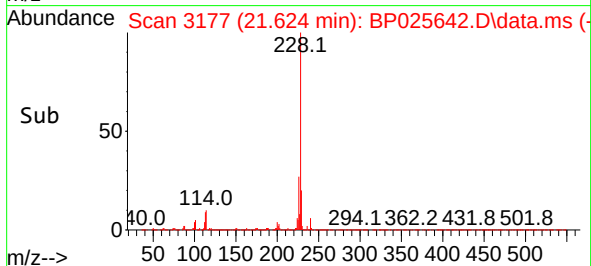
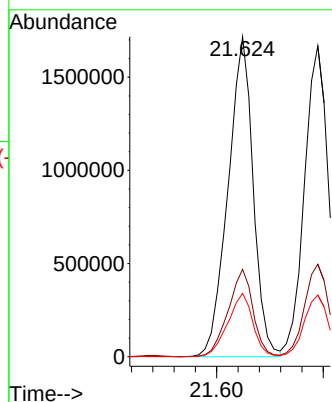
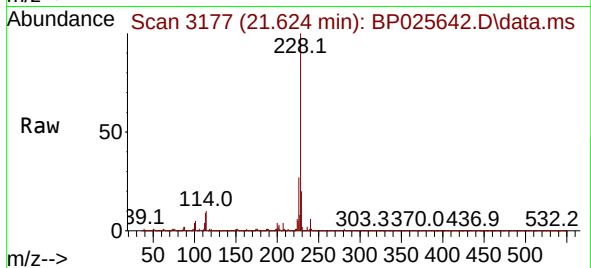
Tgt Ion:228 Resp: 2817469

Ion Ratio Lower Upper

228 100

226 27.3 21.7 32.5

229 19.8 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 28.352 ng

RT: 21.542 min Scan# 3163

Delta R.T. -0.000 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

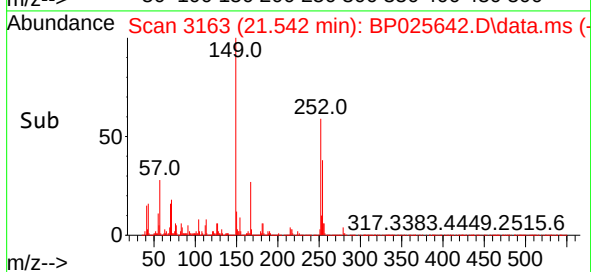
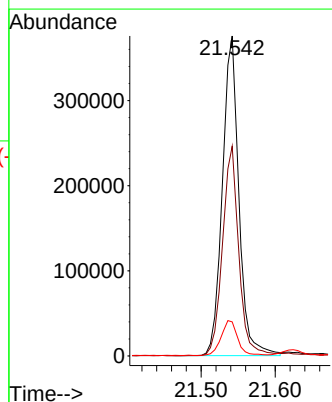
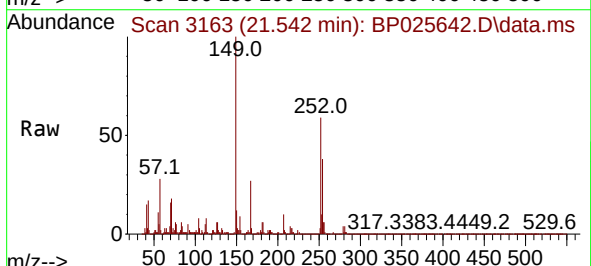
Tgt Ion:252 Resp: 581383

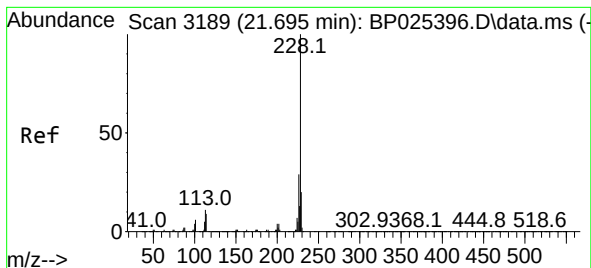
Ion Ratio Lower Upper

252 100

254 65.5 51.8 77.6

126 10.6 9.1 13.7





#83

Chrysene

Concen: 51.726 ng

RT: 21.695 min Scan# 3189

Delta R.T. -0.000 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

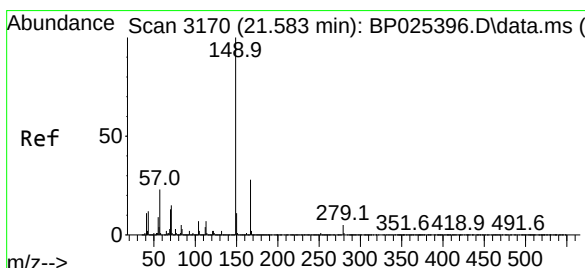
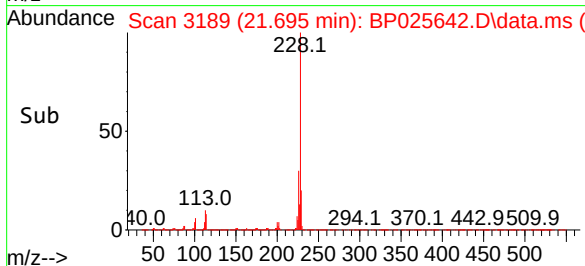
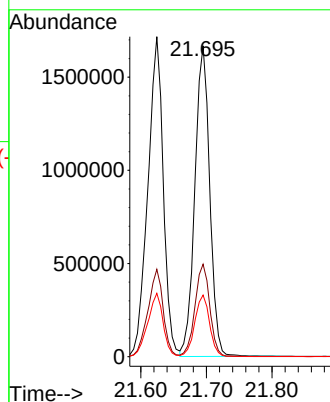
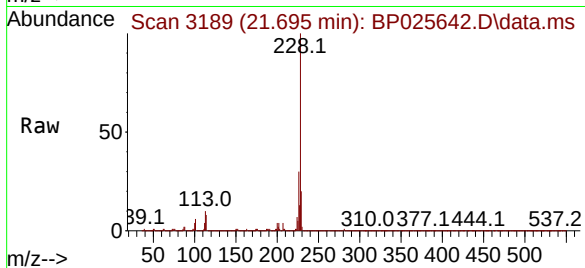
Tgt Ion:228 Resp: 2635410

Ion Ratio Lower Upper

228 100

226 29.8 23.2 34.8

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.799 ng

RT: 21.554 min Scan# 3165

Delta R.T. -0.029 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

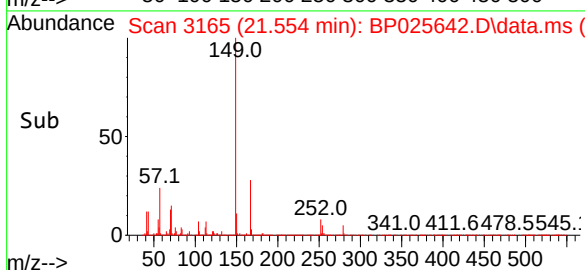
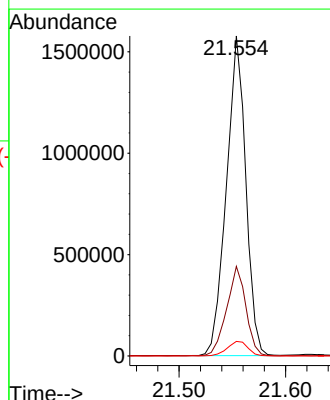
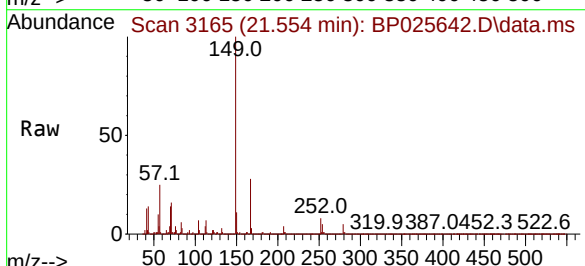
Tgt Ion:149 Resp: 1995975

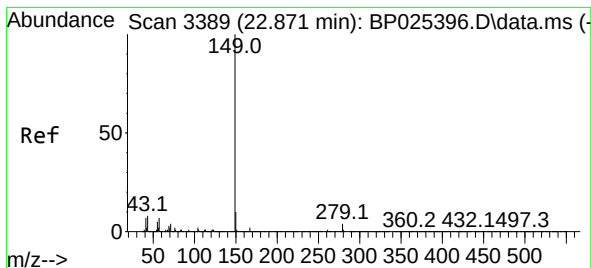
Ion Ratio Lower Upper

149 100

167 28.0 22.1 33.1

279 4.6 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 57.037 ng

RT: 22.836 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

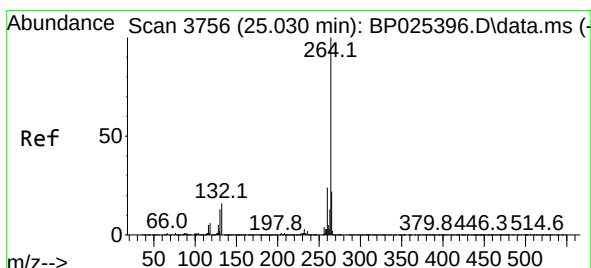
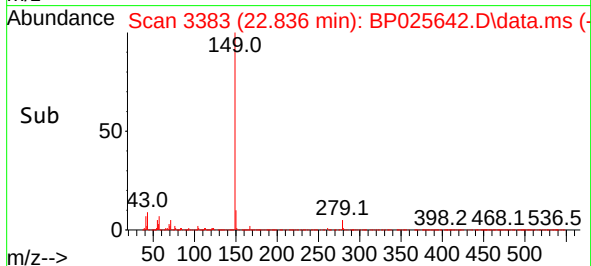
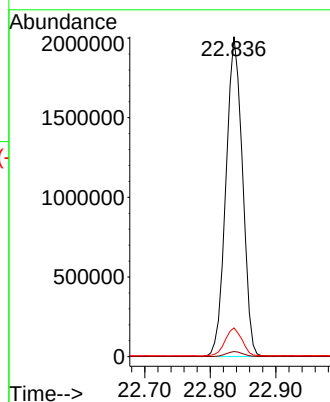
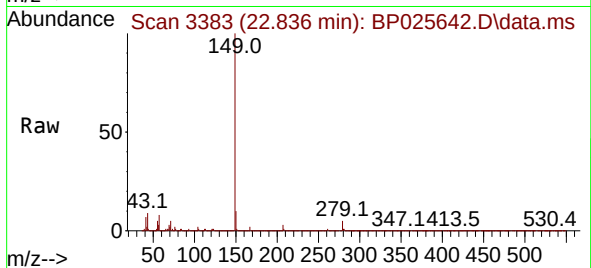
Tgt Ion:149 Resp: 3509362

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.8 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.006 min Scan# 3752

Delta R.T. -0.024 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

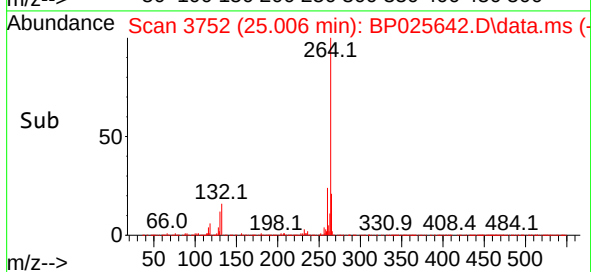
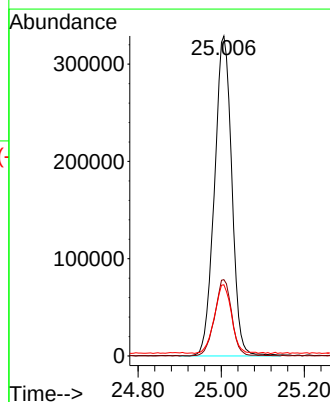
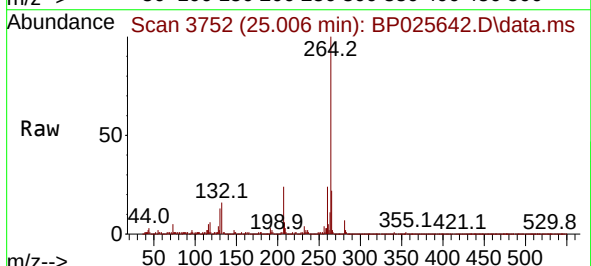
Tgt Ion:264 Resp: 951740

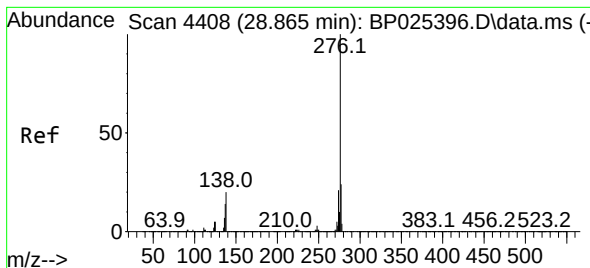
Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 22.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 53.226 ng

RT: 28.842 min Scan# 4408

Delta R.T. -0.024 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

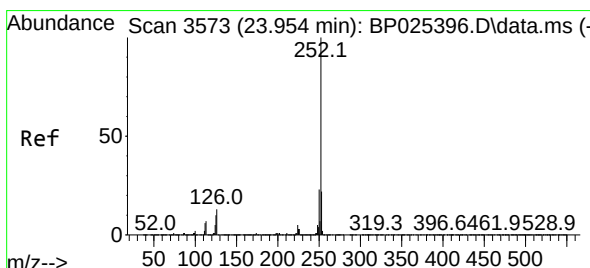
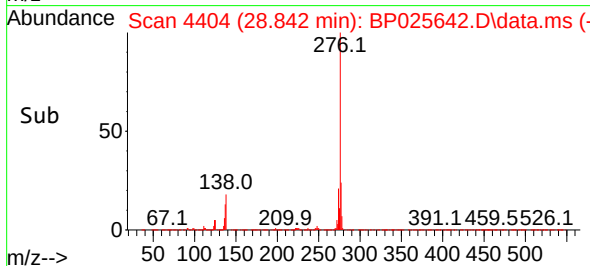
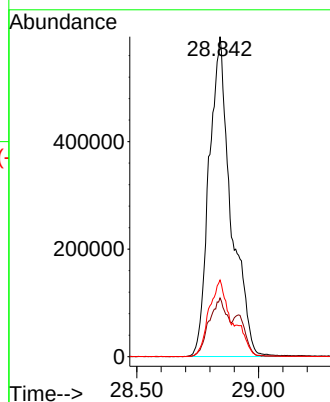
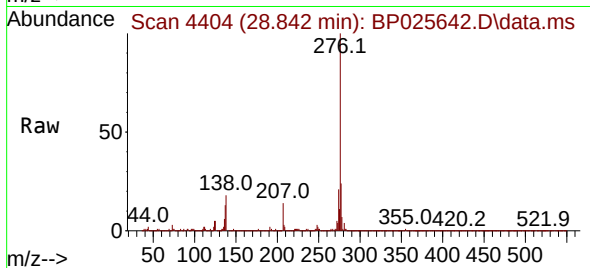
Tgt Ion:276 Resp: 3714994

Ion Ratio Lower Upper

276 100

138 15.5 12.9 19.3

277 21.7 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 51.458 ng

RT: 23.936 min Scan# 3570

Delta R.T. -0.018 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

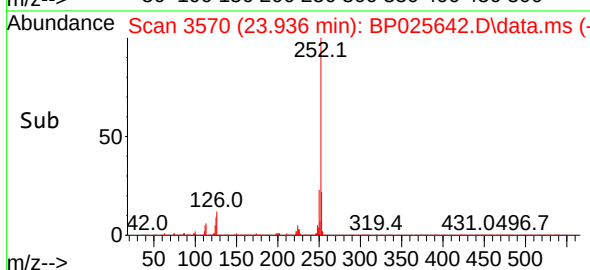
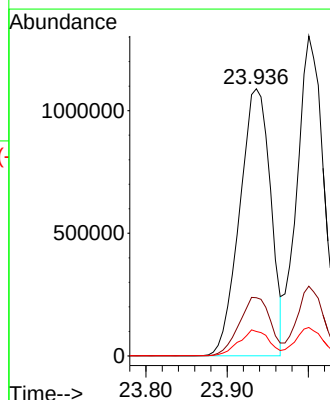
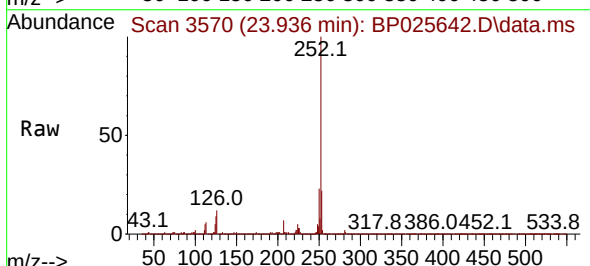
Tgt Ion:252 Resp: 2887889

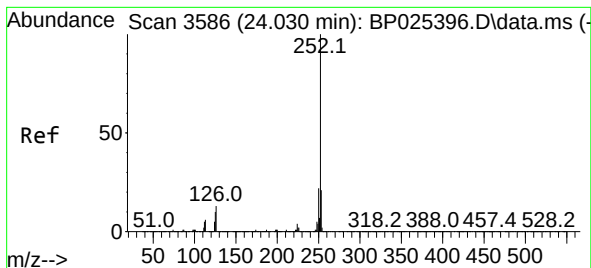
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 9.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 53.500 ng

RT: 24.001 min Scan# 3586

Delta R.T. -0.030 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

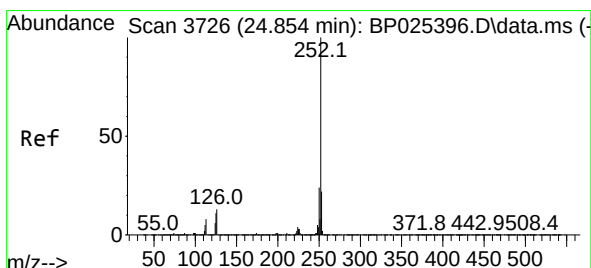
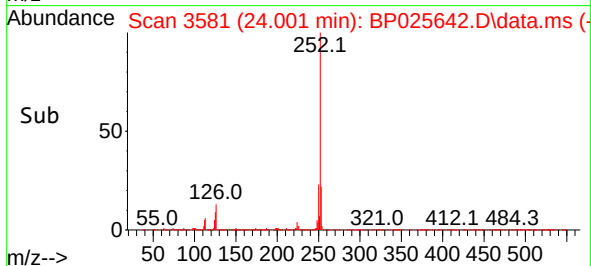
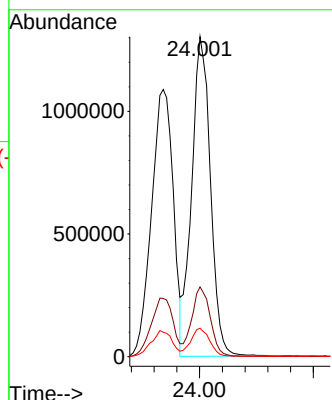
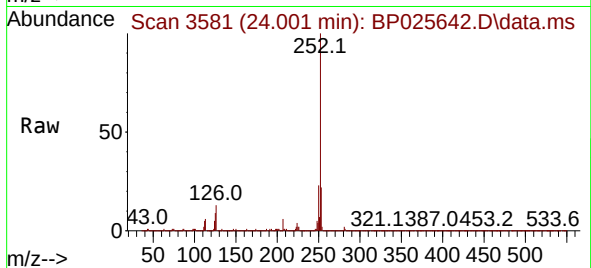
Tgt Ion:252 Resp: 3004552

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

125 8.9 7.8 11.6



#90

Benzo(a)pyrene

Concen: 51.749 ng

RT: 24.842 min Scan# 3724

Delta R.T. -0.012 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

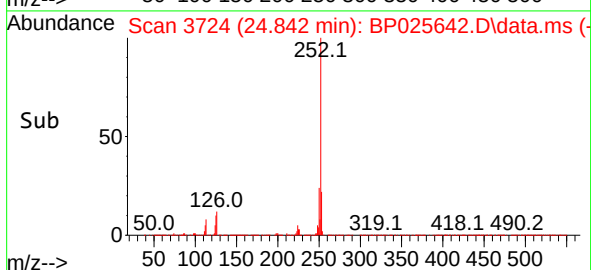
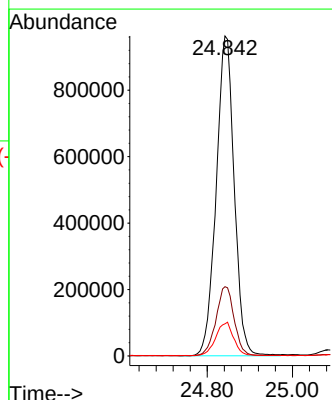
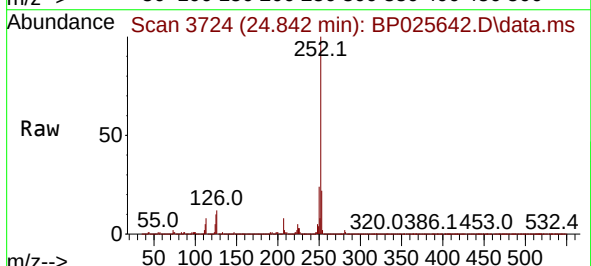
Tgt Ion:252 Resp: 2827051

Ion Ratio Lower Upper

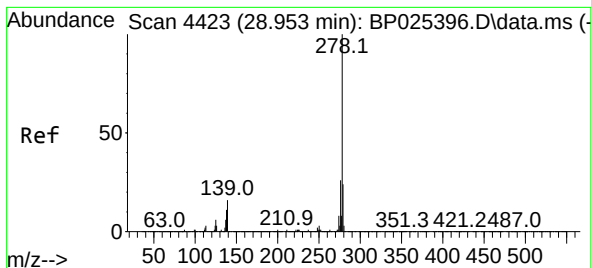
252 100

253 21.7 17.5 26.3

125 10.0 8.7 13.1







#91

Dibenzo(a,h)anthracene

Concen: 53.286 ng

RT: 28.924 min Scan# 4418

Delta R.T. -0.030 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Instrument :

BNA\_P

ClientSampleId :

SOUTH-TP-5MSD

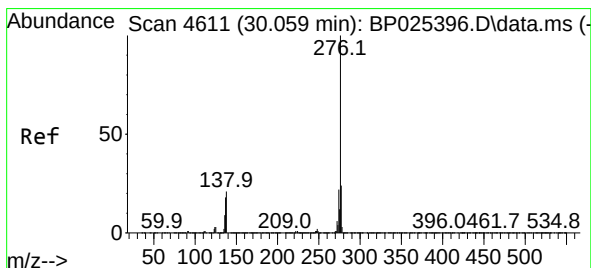
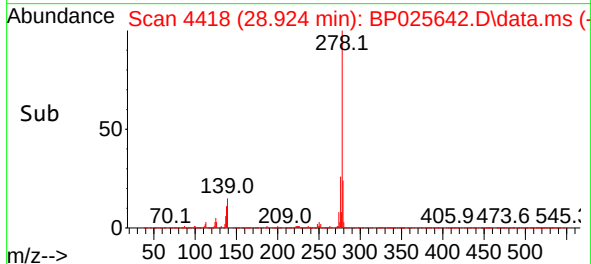
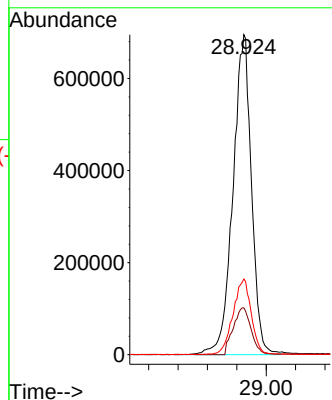
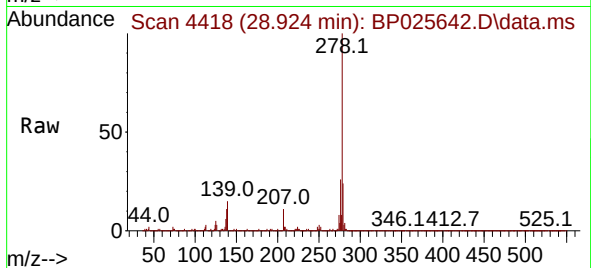
Tgt Ion:278 Resp: 3039360

Ion Ratio Lower Upper

278 100

139 14.6 13.0 19.4

279 23.7 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 52.676 ng

RT: 30.006 min Scan# 4602

Delta R.T. -0.053 min

Lab File: BP025642.D

Acq: 02 Sep 2025 17:37

Tgt Ion:276 Resp: 2953428

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.0

138 19.6 16.7 25.1

