

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082025\  
 Data File : BP025532.D  
 Acq On : 21 Aug 2025 09:25  
 Operator : CG/JU  
 Sample : Q2873-01MS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DRILL CUTTING 1-3 COMPMS

Quant Time: Aug 21 13:03:19 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     | 7.784  | 152  | 193255   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.554 | 136  | 862914   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.395 | 164  | 625092   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.195 | 188  | 1332235  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.648 | 240  | 1037300  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.007 | 264  | 1008580  | 20.000 | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.408  | 112  | 1062498  | 91.304 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.966  | 99   | 1461865  | 97.983 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.925  | 82   | 922533   | 54.080 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 15.913 | 330  | 785252   | 93.329 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.013 | 172  | 2217595  | 48.485 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.930 | 244  | 3604576  | 63.577 | ng    | 0.01     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.325  | 88   | 164573   | 36.105 | ng    | 97       |
| 3) Pyridine                   | 3.719  | 79   | 457350   | 36.658 | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.631  | 42   | 243992   | 47.437 | ng    | 97       |
| 6) Aniline                    | 7.119  | 93   | 688916   | 34.272 | ng    | 98       |
| 8) 2-Chlorophenol             | 7.360  | 128  | 676550   | 51.520 | ng    | 98       |
| 9) Benzaldehyde               | 6.937  | 77   | 307971   | 29.463 | ng    | 97       |
| 10) Phenol                    | 6.996  | 94   | 827862   | 52.881 | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.213  | 93   | 569296   | 46.656 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.678  | 146  | 643432   | 44.436 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.819  | 146  | 652860   | 44.112 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.137  | 146  | 639934   | 44.667 | ng    | 97       |
| 15) Benzyl Alcohol            | 8.019  | 79   | 617887   | 52.122 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.307  | 45   | 812250   | 49.691 | ng    | 98       |
| 17) 2-Methylphenol            | 8.225  | 107  | 572667   | 52.669 | ng    | 97       |
| 18) Hexachloroethane          | 8.860  | 117  | 247099   | 45.409 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.584  | 70   | 474141   | 47.978 | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.549  | 107  | 795140   | 52.758 | ng    | 94       |
| 22) Acetophenone              | 8.596  | 105  | 967840   | 44.724 | ng    | 97       |
| 24) Nitrobenzene              | 8.972  | 77   | 708164   | 46.451 | ng    | 99       |
| 25) Isophorone                | 9.496  | 82   | 1394671  | 46.198 | ng    | 98       |
| 26) 2-Nitrophenol             | 9.672  | 139  | 371775   | 47.517 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.737  | 122  | 589133   | 43.785 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 9.966  | 93   | 842262   | 46.155 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.207 | 162  | 683162   | 51.111 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.419 | 180  | 636697   | 43.454 | ng    | 99       |
| 31) Naphthalene               | 10.607 | 128  | 2003290  | 44.666 | ng    | 100      |
| 32) Benzoic acid              | 9.913  | 122  | 581624   | 58.551 | ng    | 98       |
| 33) 4-Chloroaniline           | 10.707 | 127  | 413684   | 20.881 | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.890 | 225  | 394420   | 43.224 | ng    | 97       |
| 35) Caprolactam               | 11.507 | 113  | 215595   | 43.989 | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 11.837 | 107  | 828279   | 54.004 | ng    | 95       |
| 37) 2-Methylnaphthalene       | 12.213 | 142  | 1366496  | 46.818 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.425 | 142  | 1434778  | 46.224 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.584 | 216  | 769709   | 42.635 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.566 | 237  | 834559   | 76.530 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.819 | 196  | 590719   | 48.467 | ng    | 99       |

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 ALS Vial : 22 Sample Multiplier: 1

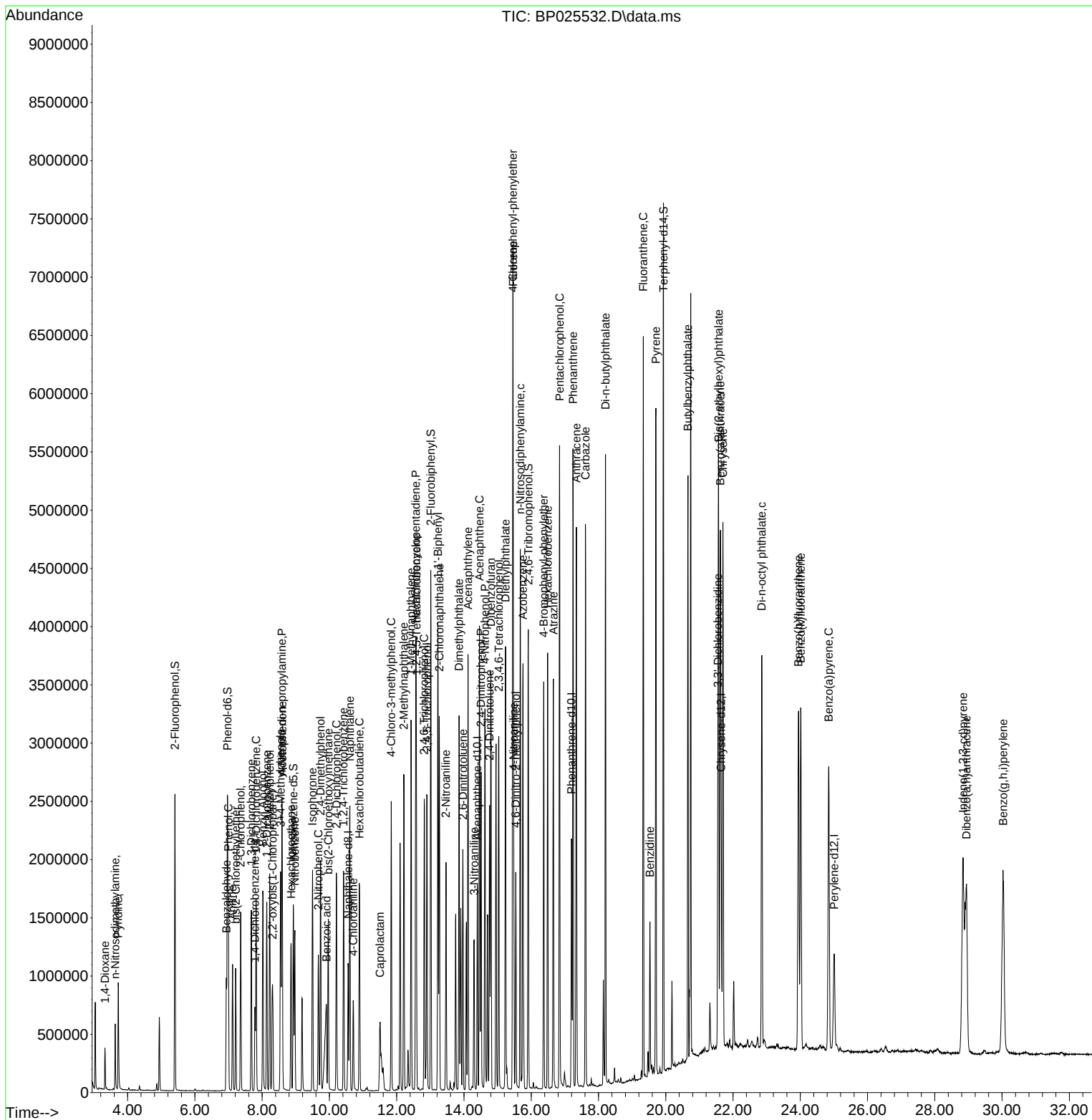
Instrument :  
 BNA\_P  
 ClientSampleId :  
 DRILL CUTTING 1-3 COMPMS

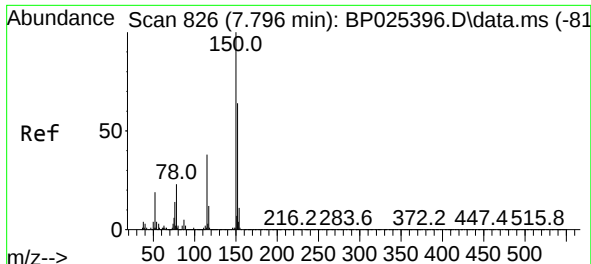
Quant Time: Aug 21 13:03:19 2025  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 14 18:14:31 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.901 | 196  | 659037   | 49.338  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.225 | 154  | 2016067  | 44.409  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.266 | 162  | 1556694  | 44.047  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.466 | 65   | 548687   | 53.282  | ng    | 98       |
| 49) Acenaphthylene            | 14.119 | 152  | 2653065  | 45.367  | ng    | 100      |
| 50) Dimethylphthalate         | 13.854 | 163  | 2184153  | 47.715  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.972 | 165  | 488637   | 50.647  | ng    | 98       |
| 52) Acenaphthene              | 14.460 | 154  | 1538560  | 44.821  | ng    | 100      |
| 53) 3-Nitroaniline            | 14.301 | 138  | 349330   | 32.182  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.507 | 184  | 578017   | 112.186 | ng    | 94       |
| 55) Dibenzofuran              | 14.801 | 168  | 2506967  | 46.193  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.625 | 139  | 901325   | 101.047 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 14.760 | 165  | 718441   | 52.192  | ng    | 95       |
| 58) Fluorene                  | 15.460 | 166  | 1943631  | 45.387  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.037 | 232  | 598683   | 50.759  | ng    | 99       |
| 60) Diethylphthalate          | 15.237 | 149  | 2294509  | 49.332  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.454 | 204  | 963129   | 45.222  | ng    | 96       |
| 62) 4-Nitroaniline            | 15.478 | 138  | 531708   | 47.780  | ng    | 93       |
| 63) Azobenzene                | 15.754 | 77   | 2133007  | 53.558  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.542 | 198  | 400266   | 48.199  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 15.678 | 169  | 1806263  | 44.461  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.372 | 248  | 671449   | 45.826  | ng    | 97       |
| 68) Hexachlorobenzene         | 16.489 | 284  | 762986   | 44.922  | ng    | 99       |
| 69) Atrazine                  | 16.660 | 200  | 719587   | 47.297  | ng    | 99       |
| 70) Pentachlorophenol         | 16.842 | 266  | 1001156  | 93.377  | ng    | 98       |
| 71) Phenanthrene              | 17.242 | 178  | 3258945  | 44.531  | ng    | 100      |
| 72) Anthracene                | 17.342 | 178  | 3347193  | 44.787  | ng    | 100      |
| 73) Carbazole                 | 17.613 | 167  | 3171702  | 45.056  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.207 | 149  | 4175739  | 48.214  | ng    | 99       |
| 75) Fluoranthene              | 19.330 | 202  | 3761730  | 43.092  | ng    | 98       |
| 77) Benzidine                 | 19.530 | 184  | 852806   | 24.090  | ng    | 99       |
| 78) Pyrene                    | 19.707 | 202  | 3793378  | 56.264  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.660 | 149  | 1737167  | 56.852  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.624 | 228  | 3212247  | 46.956  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.548 | 252  | 806439   | 31.275  | ng    | 100      |
| 83) Chrysene                  | 21.701 | 228  | 3023496  | 47.193  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.571 | 149  | 2321078  | 51.602  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.854 | 149  | 3498238  | 45.216  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.842 | 276  | 3179136  | 42.981  | ng    | 93       |
| 88) Benzo(b)fluoranthene      | 23.948 | 252  | 2809285  | 47.236  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.013 | 252  | 2845986  | 47.821  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.848 | 252  | 2689694  | 46.460  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 28.942 | 278  | 2905291  | 48.065  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.030 | 276  | 2886256  | 48.577  | ng    | 99       |

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

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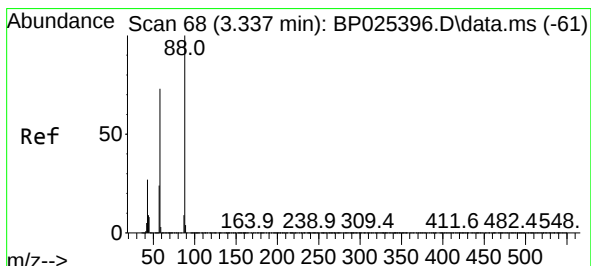
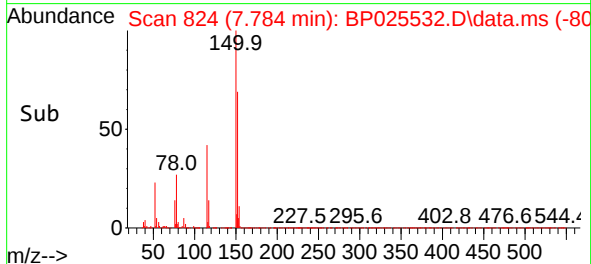
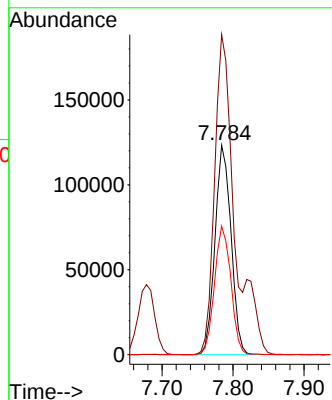
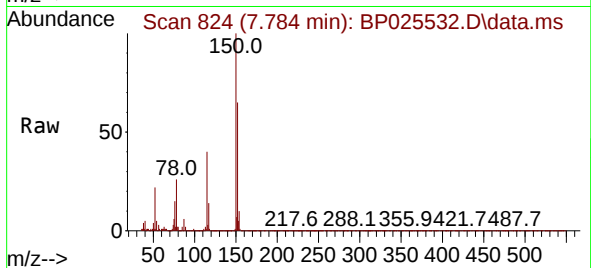




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.784 min Scan# 81  
 Delta R.T. -0.012 min  
 Lab File: BP025532.D  
 Acq: 21 Aug 2025 09:25

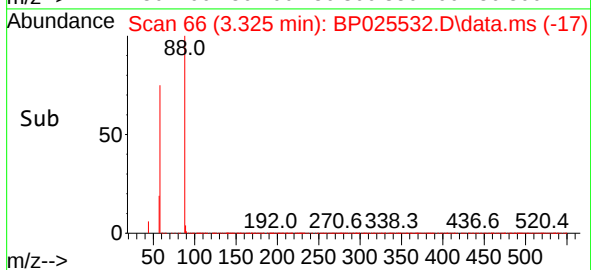
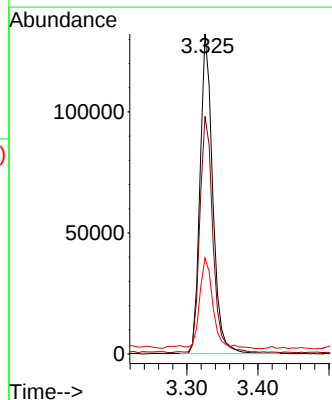
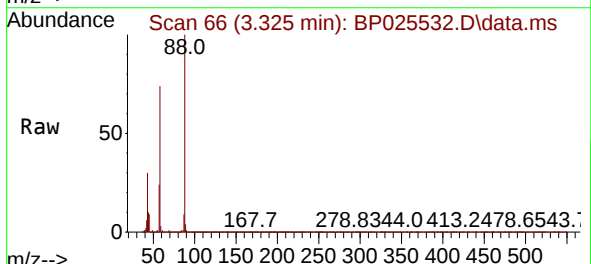
Instrument :  
 BNA\_P  
 ClientSampleId :  
 DRILL CUTTING 1-3 COMPMS

Tgt Ion:152 Resp: 193255  
 Ion Ratio Lower Upper  
 152 100  
 150 152.8 125.9 188.9  
 115 61.3 48.5 72.7



#2  
 1,4-Dioxane  
 Concen: 36.105 ng  
 RT: 3.325 min Scan# 66  
 Delta R.T. -0.012 min  
 Lab File: BP025532.D  
 Acq: 21 Aug 2025 09:25

Tgt Ion: 88 Resp: 164573  
 Ion Ratio Lower Upper  
 88 100  
 58 76.6 59.2 88.8  
 43 29.4 21.7 32.5

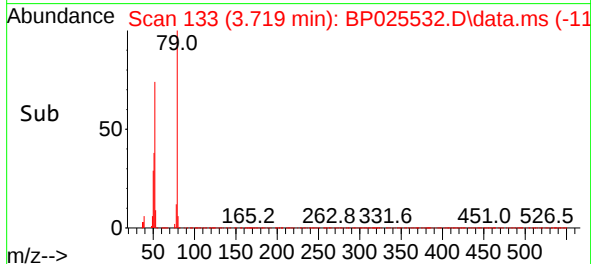
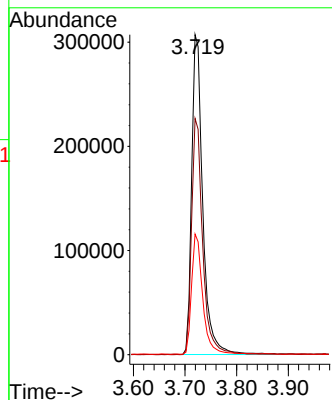
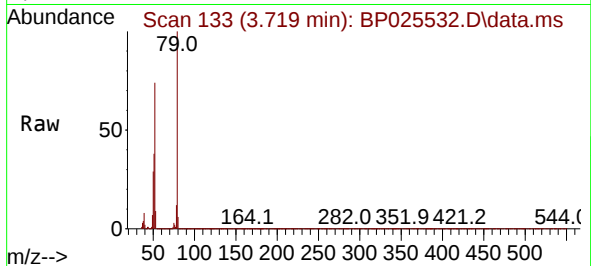




#3  
Pyridine  
Concen: 36.658 ng  
RT: 3.719 min Scan# 118  
Delta R.T. -0.012 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

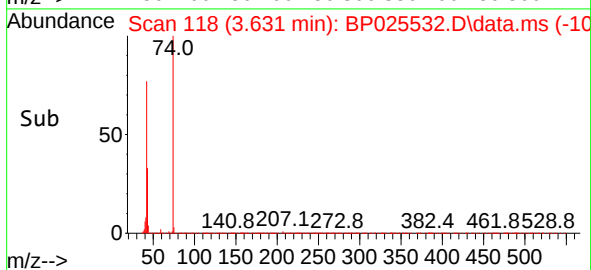
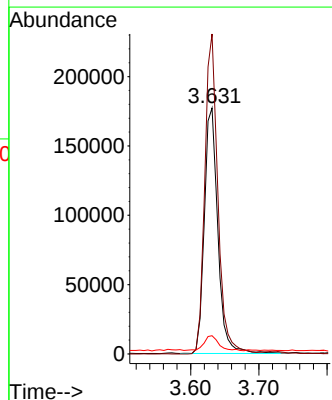
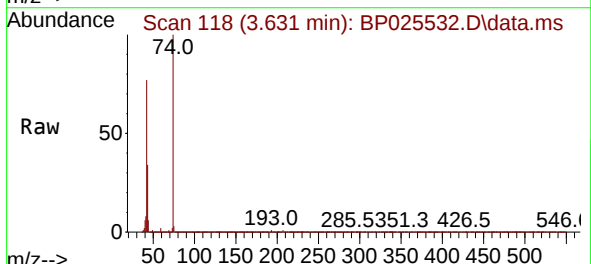
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

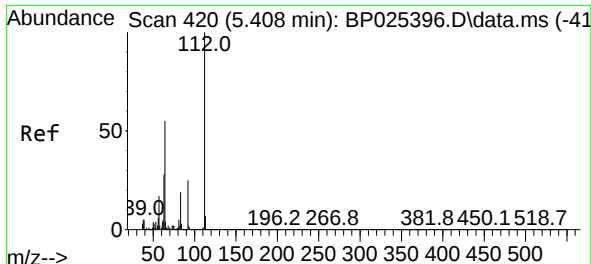
Tgt Ion: 79 Resp: 457350  
Ion Ratio Lower Upper  
79 100  
52 73.8 55.5 83.3  
51 37.7 28.3 42.5



#4  
n-Nitrosodimethylamine  
Concen: 47.437 ng  
RT: 3.631 min Scan# 118  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion: 42 Resp: 243992  
Ion Ratio Lower Upper  
42 100  
74 130.1 107.0 160.4  
44 7.4 6.2 9.4

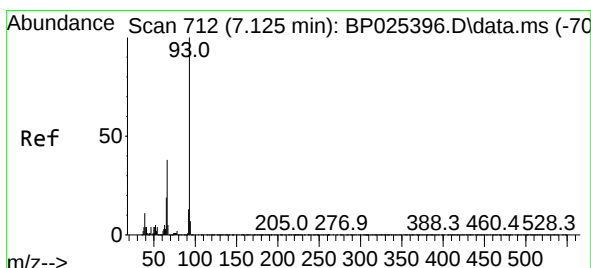
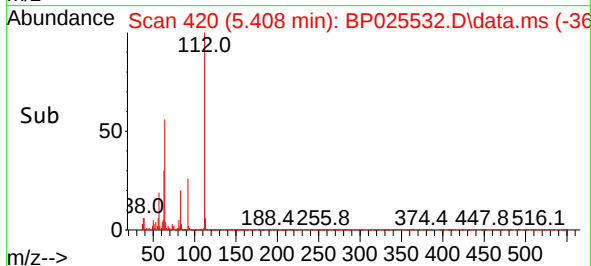
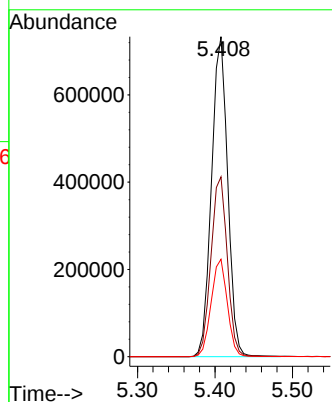
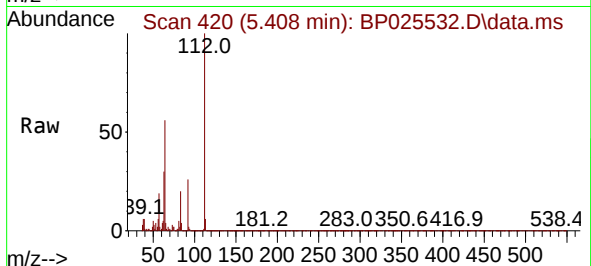




#5  
2-Fluorophenol  
Concen: 91.304 ng  
RT: 5.408 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

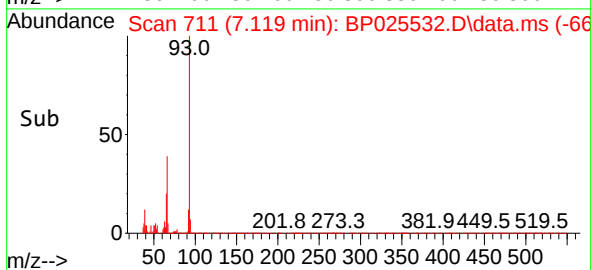
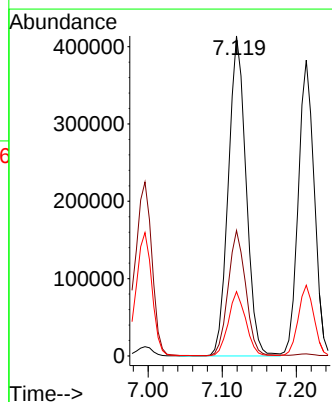
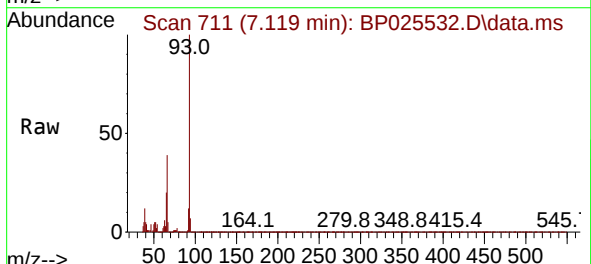
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DRILL CUTTING 1-3 COMPMS

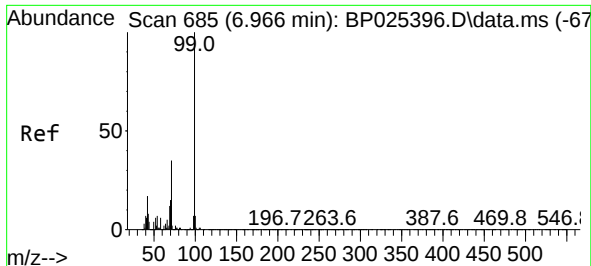
Tgt Ion:112 Resp: 1062498  
Ion Ratio Lower Upper  
112 100  
64 56.2 43.8 65.8  
63 30.5 22.7 34.1



#6  
Aniline  
Concen: 34.272 ng  
RT: 7.119 min Scan# 711  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion: 93 Resp: 688916  
Ion Ratio Lower Upper  
93 100  
66 39.2 30.4 45.6  
65 20.1 15.3 22.9



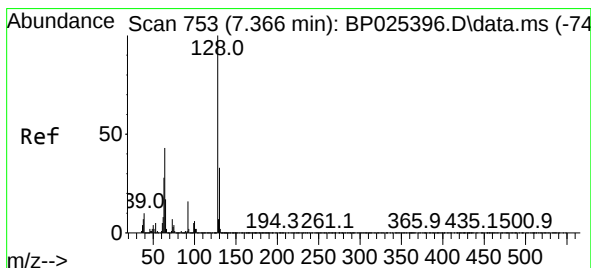
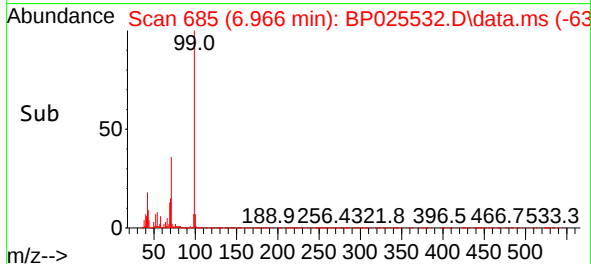
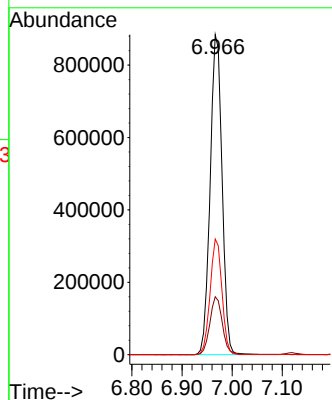
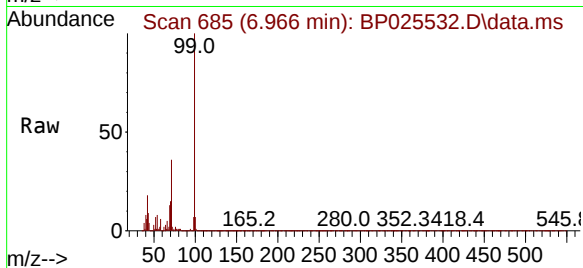


#7  
Phenol-d6  
Concen: 97.983 ng  
RT: 6.966 min Scan# 685  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

Tgt Ion: 99 Resp: 1461865

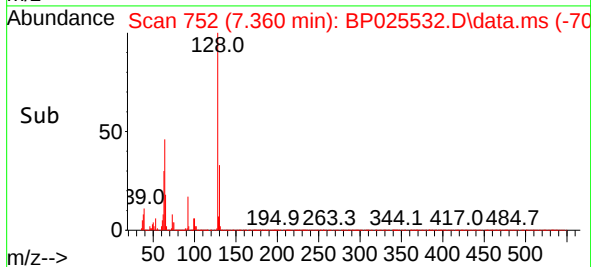
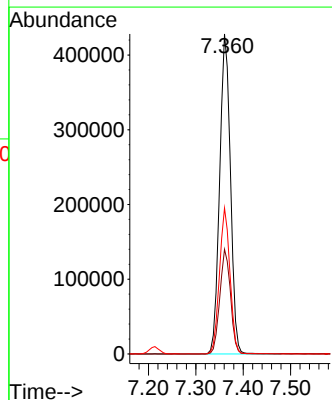
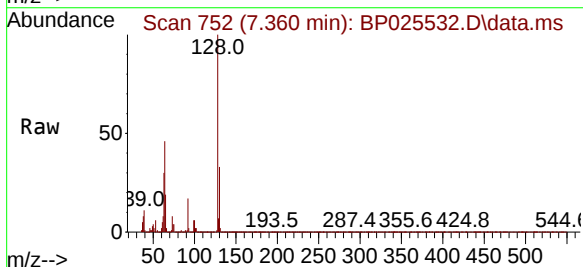
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.1  | 13.7  | 20.5  |
| 71  | 36.2  | 28.2  | 42.4  |

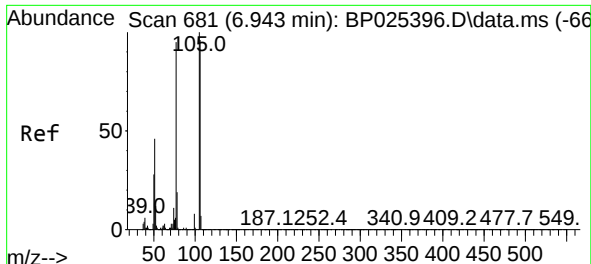


#8  
2-Chlorophenol  
Concen: 51.520 ng  
RT: 7.360 min Scan# 752  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion: 128 Resp: 676550

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.7  | 12.6  | 52.6  |
| 64  | 45.6  | 23.4  | 63.4  |

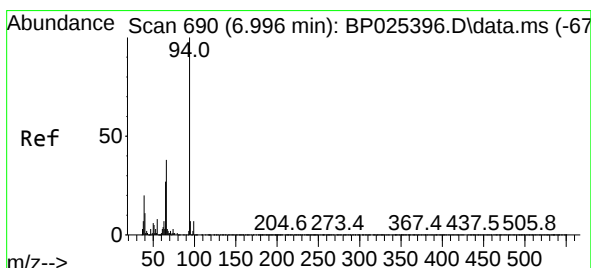
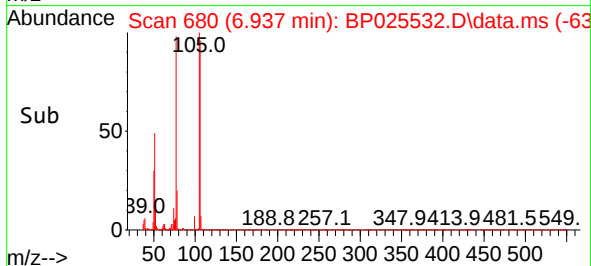
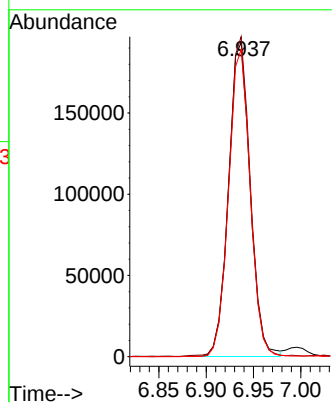
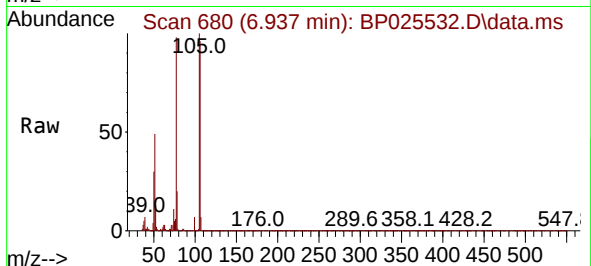




#9  
Benzaldehyde  
Concen: 29.463 ng  
RT: 6.937 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

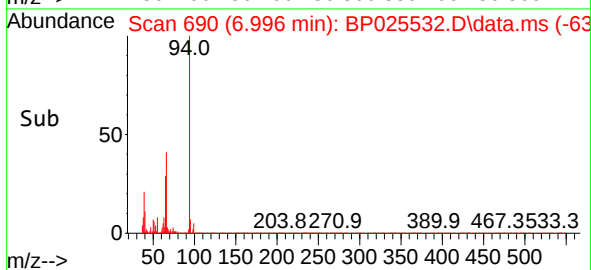
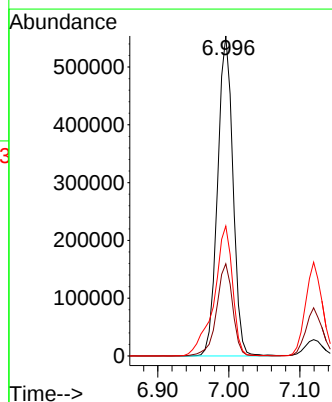
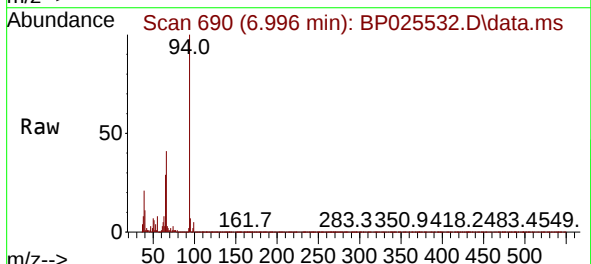
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

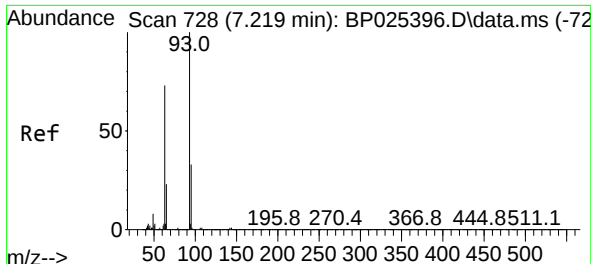
Tgt Ion: 77 Resp: 307971  
Ion Ratio Lower Upper  
77 100  
105 101.8 84.8 124.8  
106 97.8 80.5 120.5



#10  
Phenol  
Concen: 52.881 ng  
RT: 6.996 min Scan# 690  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion: 94 Resp: 827862  
Ion Ratio Lower Upper  
94 100  
65 28.8 6.8 46.8  
66 40.6 18.2 58.2

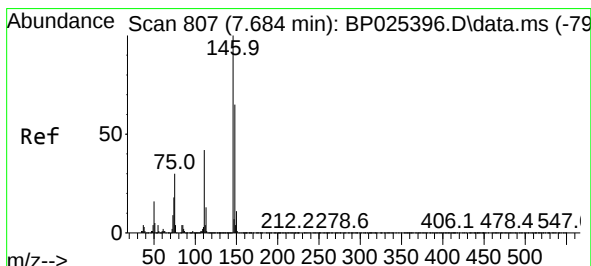
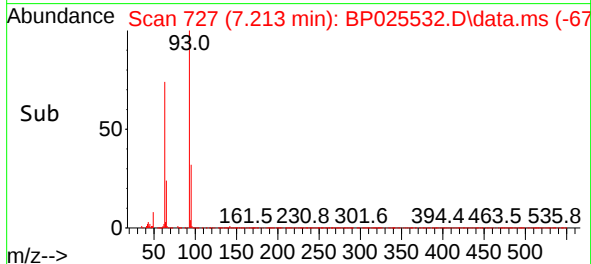
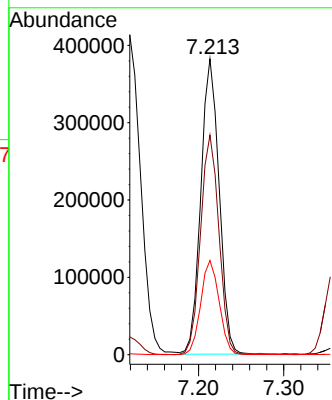
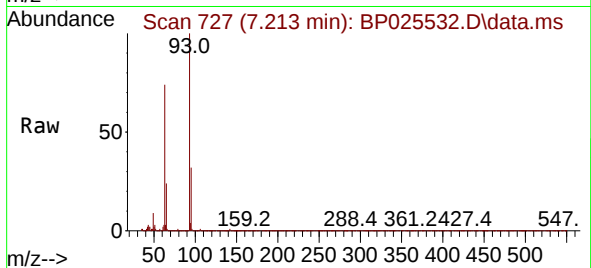




#11  
bis(2-Chloroethyl)ether  
Concen: 46.656 ng  
RT: 7.213 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

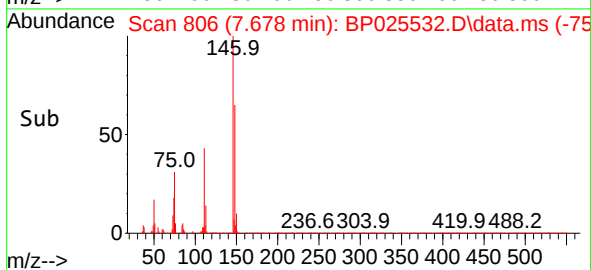
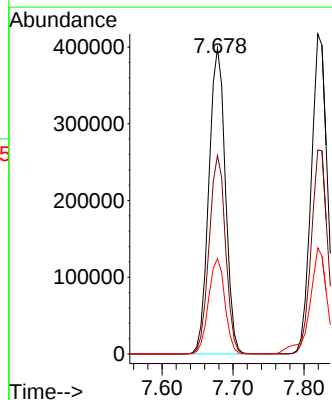
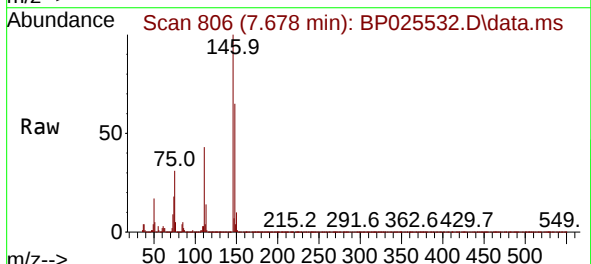
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

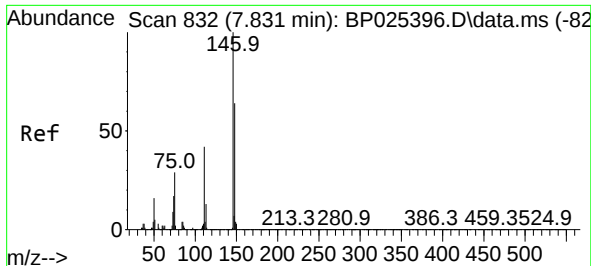
Tgt Ion: 93 Resp: 569296  
Ion Ratio Lower Upper  
93 100  
63 74.2 52.6 92.6  
95 31.8 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 44.436 ng  
RT: 7.678 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion: 146 Resp: 643432  
Ion Ratio Lower Upper  
146 100  
148 65.0 51.9 77.9  
75 31.2 23.7 35.5

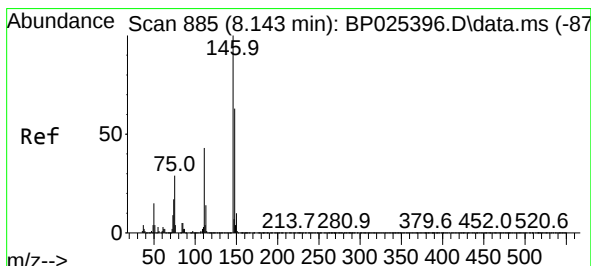
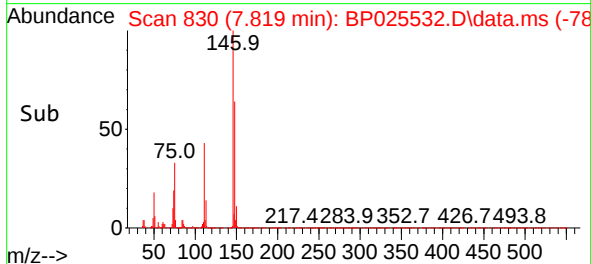
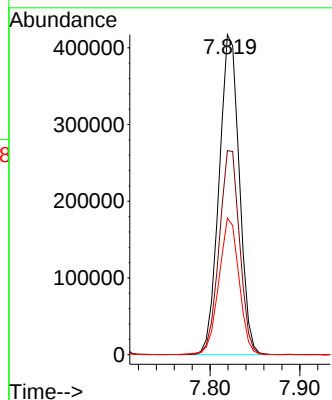
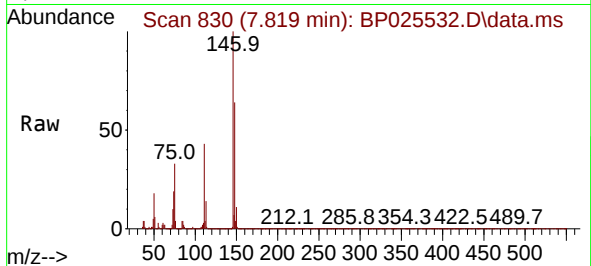




#13  
1,4-Dichlorobenzene  
Concen: 44.112 ng  
RT: 7.819 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

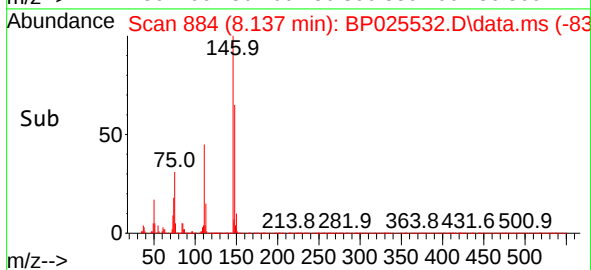
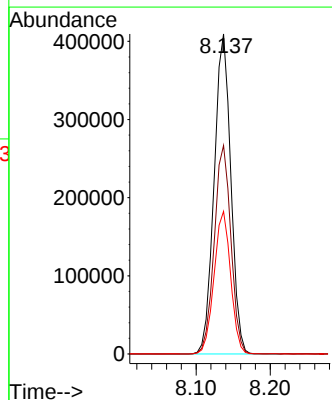
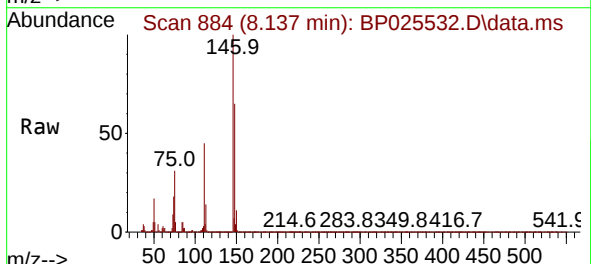
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

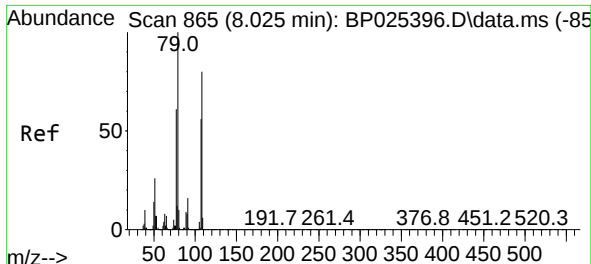
Tgt Ion:146 Resp: 652860  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.6 77.4  
111 42.7 33.4 50.0



#14  
1,2-Dichlorobenzene  
Concen: 44.667 ng  
RT: 8.137 min Scan# 884  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:146 Resp: 639934  
Ion Ratio Lower Upper  
146 100  
148 65.2 50.4 75.6  
111 44.6 34.5 51.7

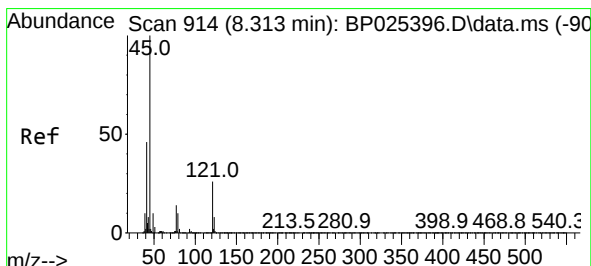
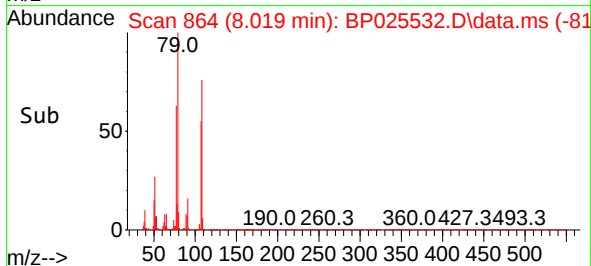
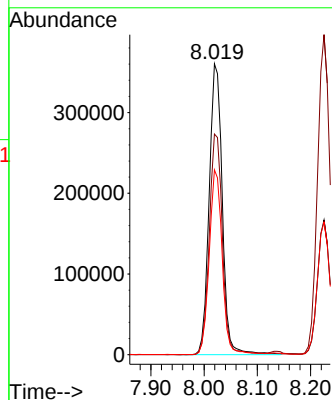
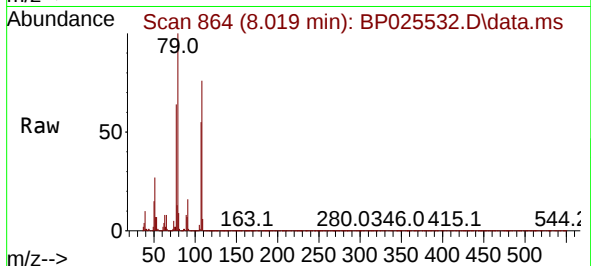




#15  
Benzyl Alcohol  
Concen: 52.122 ng  
RT: 8.019 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

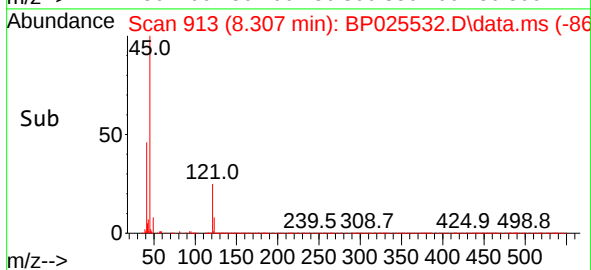
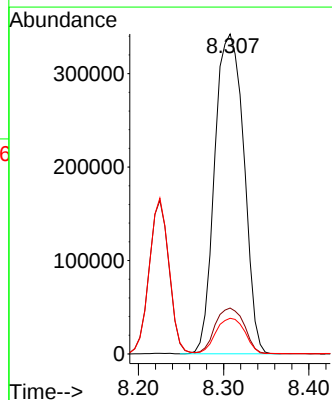
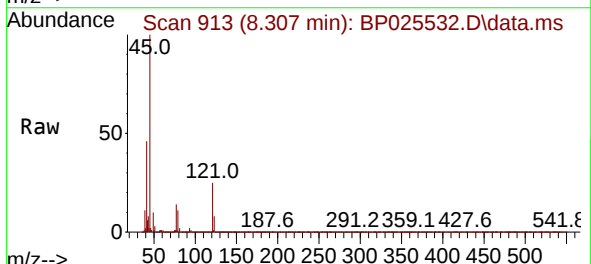
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

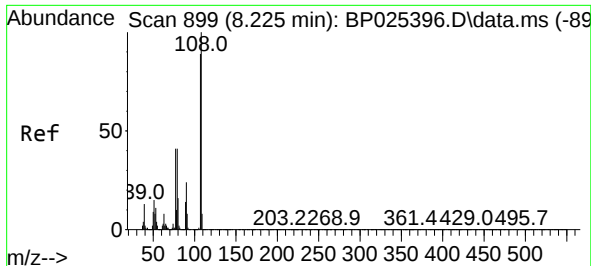
Tgt Ion: 79 Resp: 617887  
Ion Ratio Lower Upper  
79 100  
108 75.9 63.8 95.6  
77 63.5 49.0 73.4



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 49.691 ng  
RT: 8.307 min Scan# 913  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion: 45 Resp: 812250  
Ion Ratio Lower Upper  
45 100  
77 14.4 0.0 35.3  
79 11.1 0.0 31.8

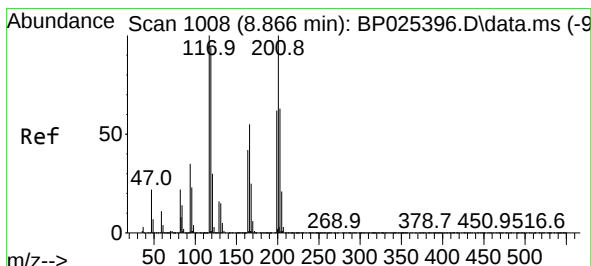
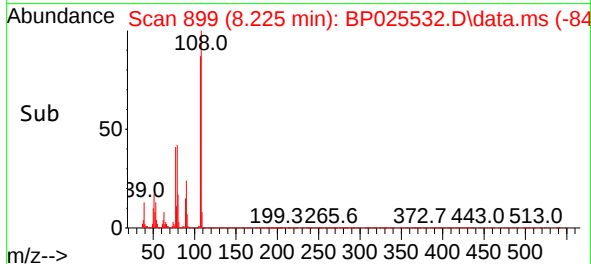
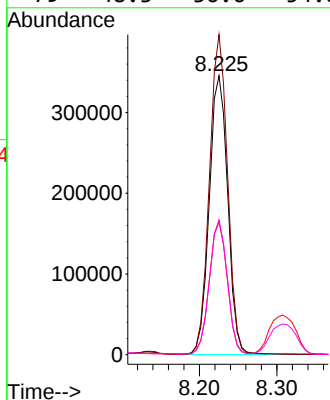
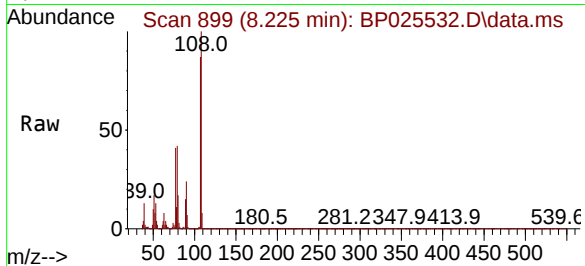




#17  
2-Methylphenol  
Concen: 52.669 ng  
RT: 8.225 min Scan# 899  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

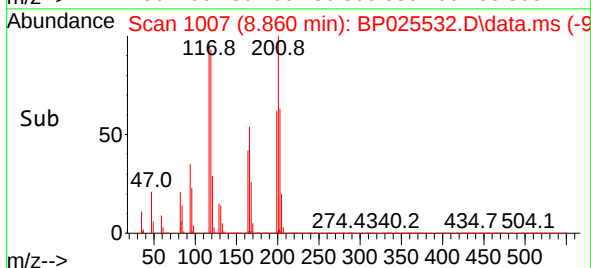
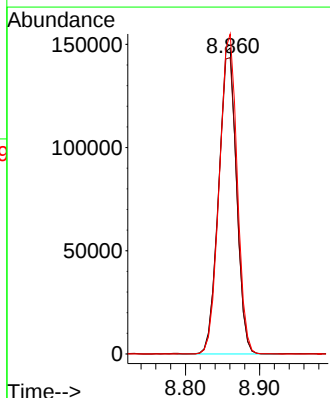
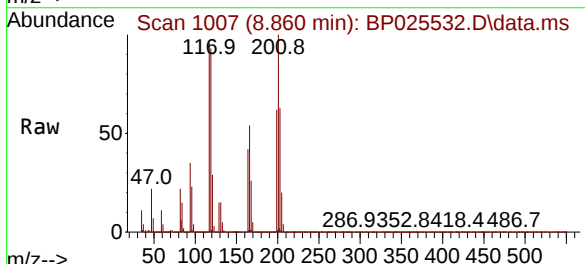
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 572667 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 114.8 | 89.4  | 134.0  |
| 77       | 47.6  | 36.3  | 54.5   |
| 79       | 48.3  | 36.6  | 54.8   |



#18  
Hexachloroethane  
Concen: 45.409 ng  
RT: 8.860 min Scan# 1007  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 247099 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.9  | 75.1  | 112.7  |
| 201      | 104.6 | 80.1  | 120.1  |





#19

n-Nitroso-di-n-propylamine

Concen: 47.978 ng

RT: 8.584 min Scan# 961

Delta R.T. -0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA\_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

Tgt Ion: 70 Resp: 474141

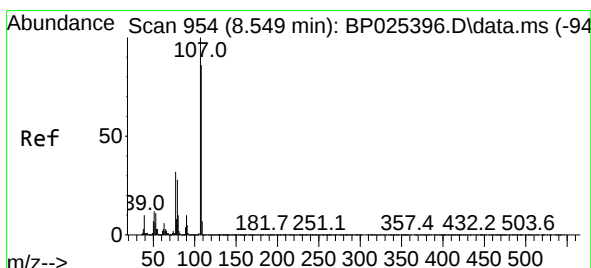
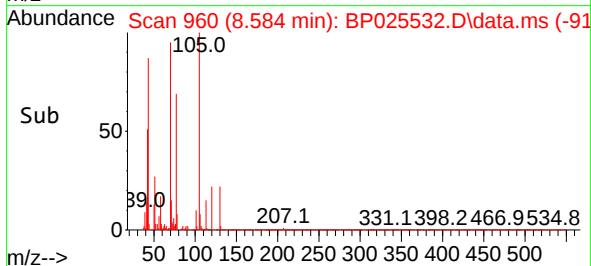
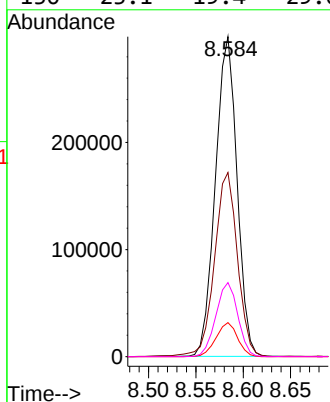
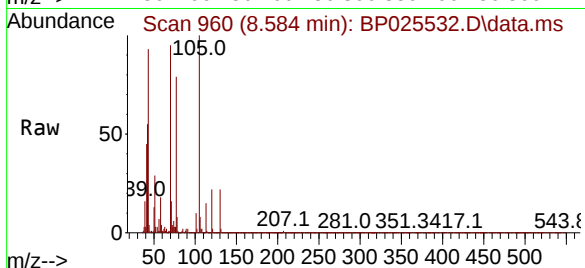
Ion Ratio Lower Upper

70 100

42 57.6 43.8 65.6

101 10.6 8.5 12.7

130 23.1 19.4 29.0



#20

3+4-Methylphenols

Concen: 52.758 ng

RT: 8.549 min Scan# 954

Delta R.T. 0.000 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Tgt Ion: 107 Resp: 795140

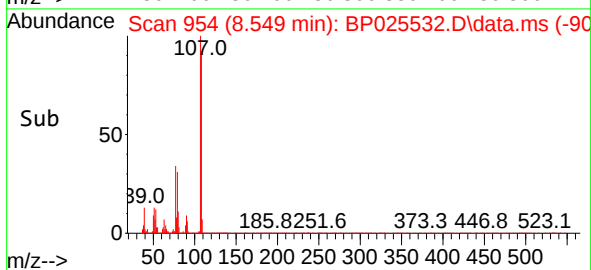
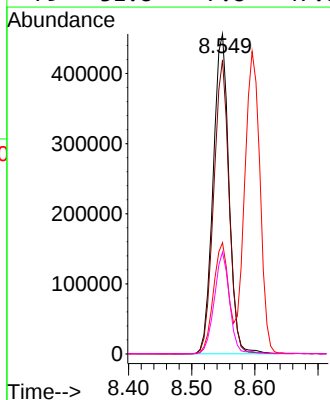
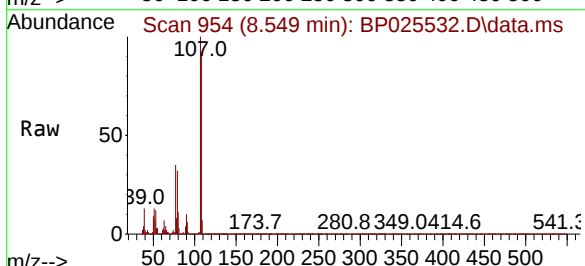
Ion Ratio Lower Upper

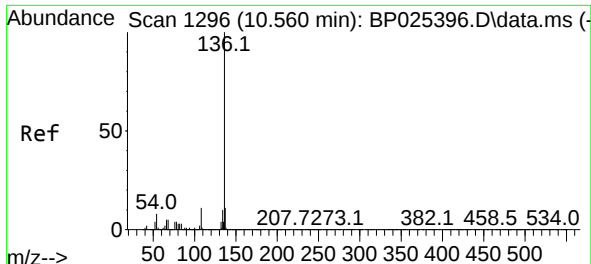
107 100

108 91.9 66.3 106.3

77 34.8 12.3 52.3

79 31.8 7.8 47.8

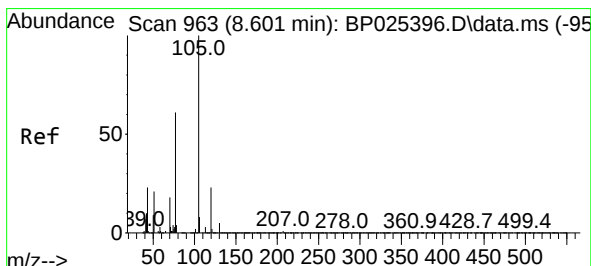
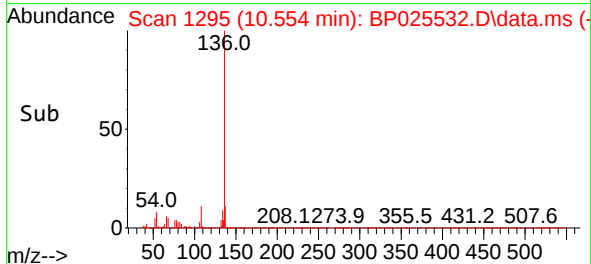
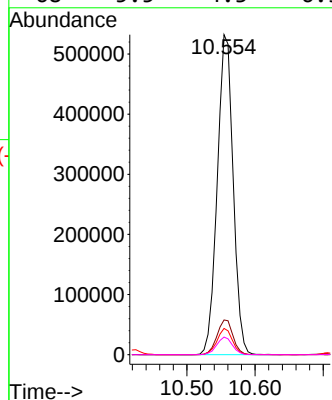
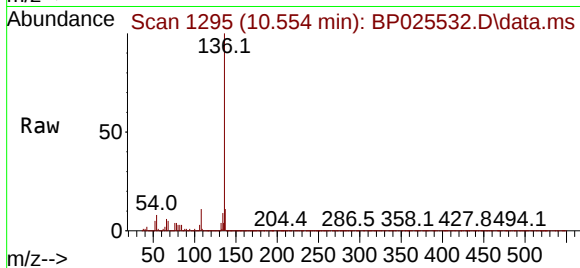




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.554 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

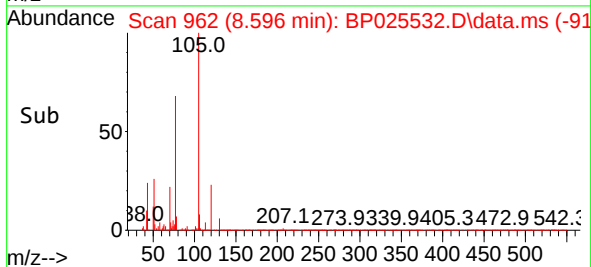
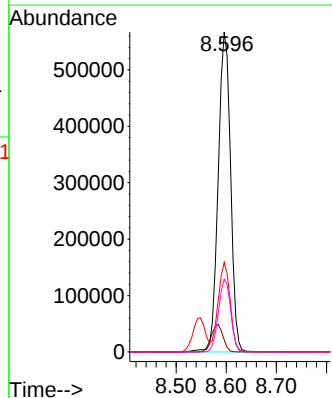
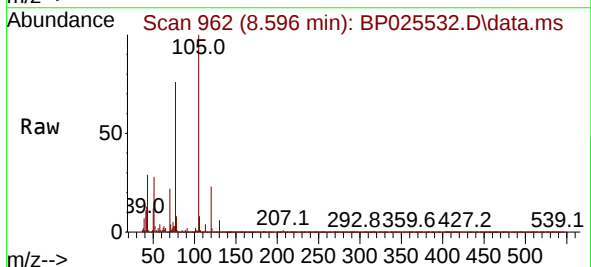
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

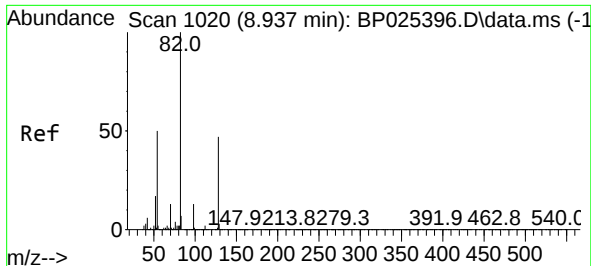
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 862914 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 9.2   | 13.8   |
| 54       | 8.2   | 6.0   | 9.0    |
| 68       | 5.5   | 4.3   | 6.5    |



#22  
Acetophenone  
Concen: 44.724 ng  
RT: 8.596 min Scan# 962  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 967840 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 3.8   | 2.6   | 4.0    |
| 51       | 28.0  | 20.6  | 30.8   |
| 120      | 22.7  | 18.6  | 27.8   |

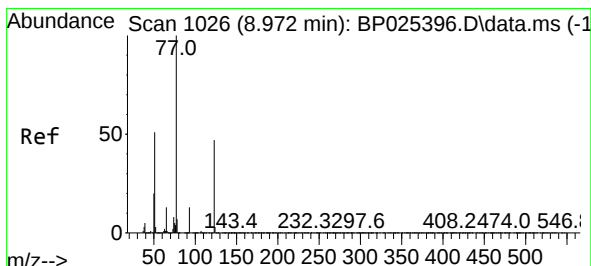
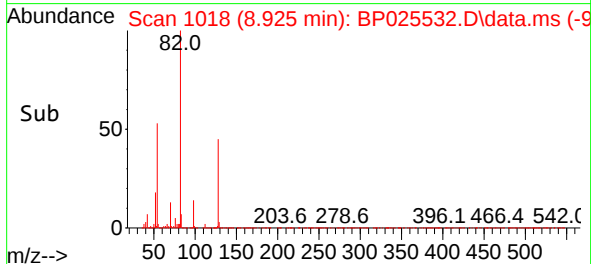
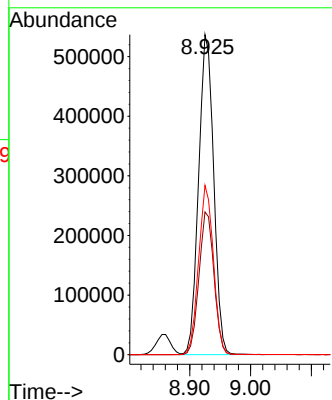
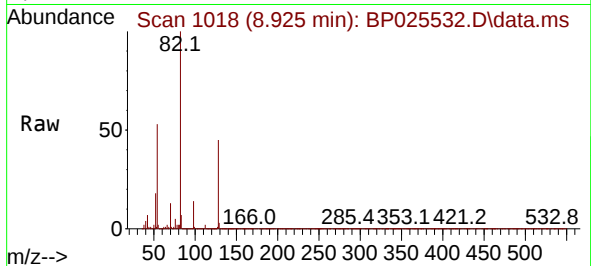




#23  
Nitrobenzene-d5  
Concen: 54.080 ng  
RT: 8.925 min Scan# 1018  
Delta R.T. -0.012 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

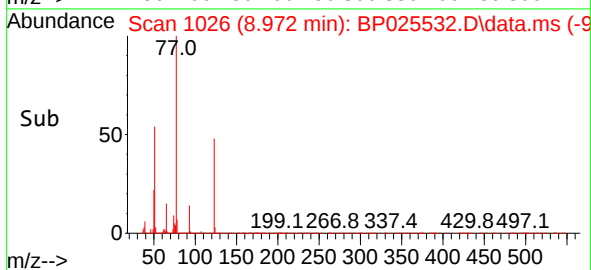
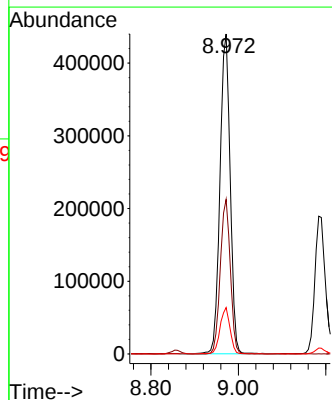
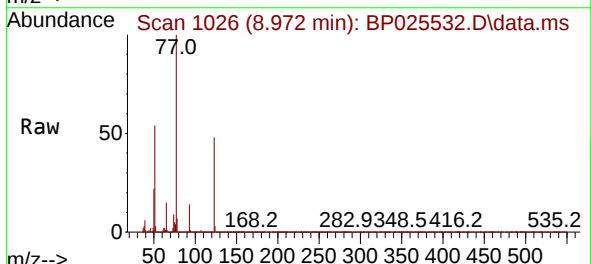
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

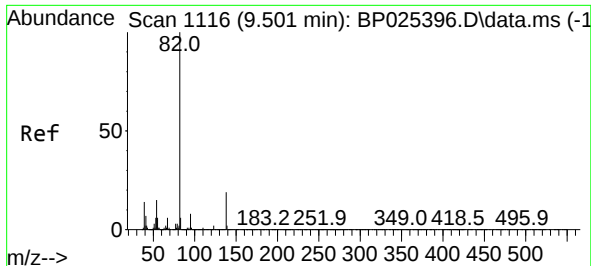
Tgt Ion: 82 Resp: 922533  
Ion Ratio Lower Upper  
82 100  
128 44.6 37.7 56.5  
54 52.9 39.8 59.6



#24  
Nitrobenzene  
Concen: 46.451 ng  
RT: 8.972 min Scan# 1026  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion: 77 Resp: 708164  
Ion Ratio Lower Upper  
77 100  
123 48.3 38.6 58.0  
65 14.5 10.6 15.8

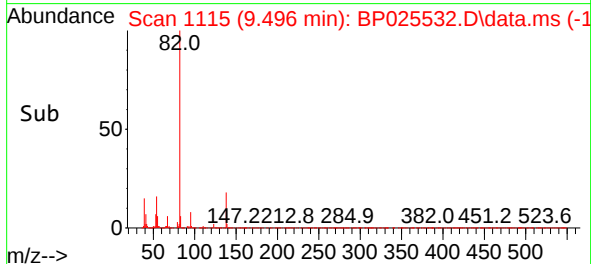
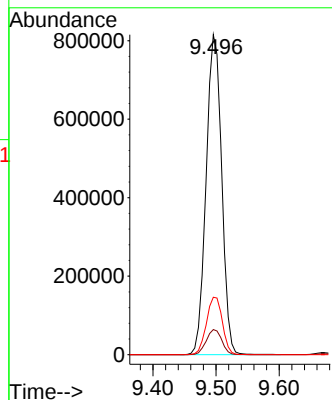
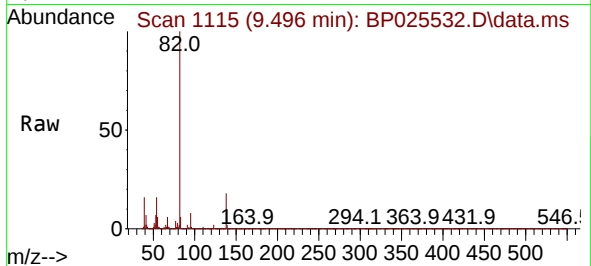




#25  
Isophorone  
Concen: 46.198 ng  
RT: 9.496 min Scan# 1115  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

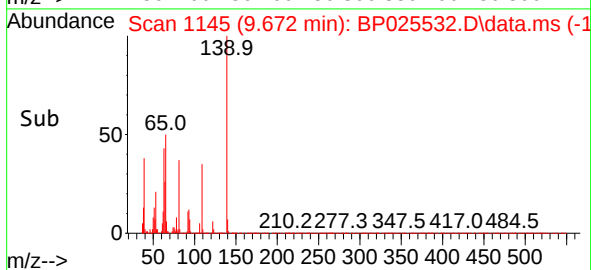
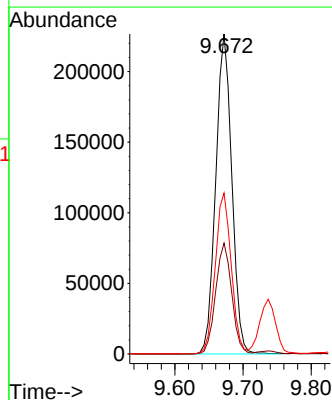
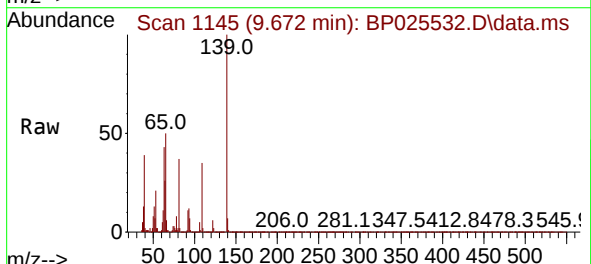
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

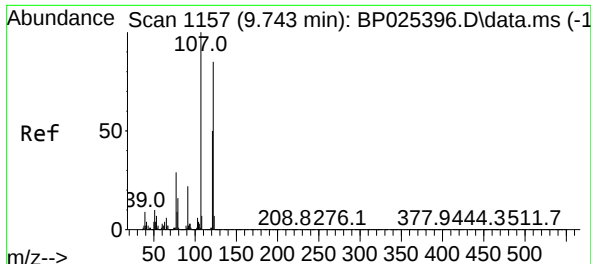
Tgt Ion: 82 Resp: 1394671  
Ion Ratio Lower Upper  
82 100  
95 7.9 6.4 9.6  
138 18.0 15.4 23.0



#26  
2-Nitrophenol  
Concen: 47.517 ng  
RT: 9.672 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion: 139 Resp: 371775  
Ion Ratio Lower Upper  
139 100  
109 34.7 26.9 40.3  
65 50.3 38.3 57.5

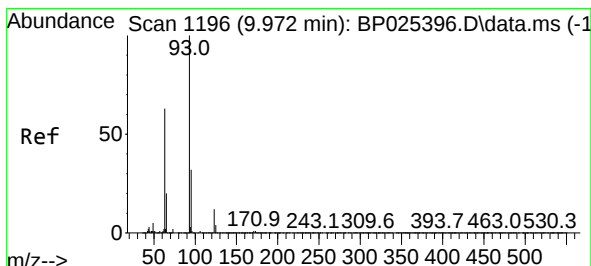
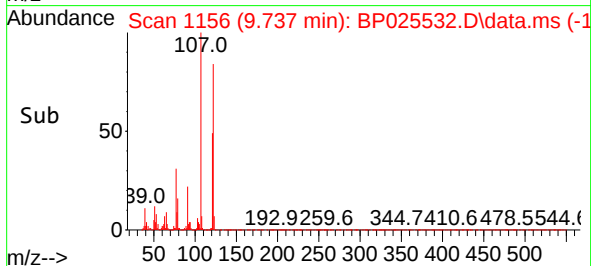
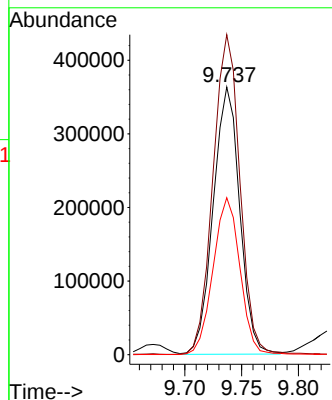
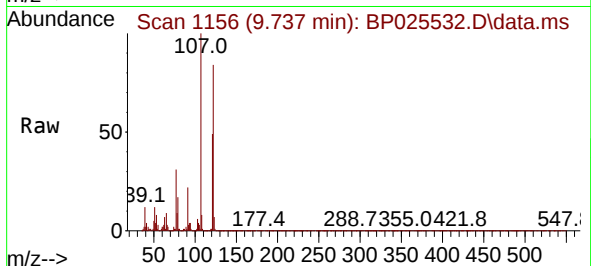




#27  
2,4-Dimethylphenol  
Concen: 43.785 ng  
RT: 9.737 min Scan# 1156  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

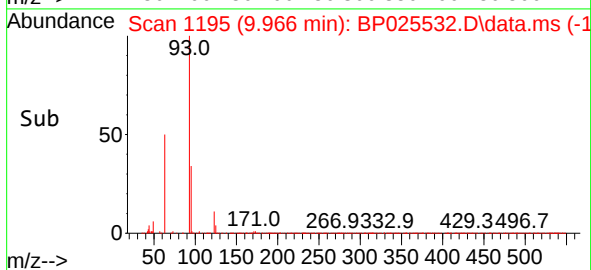
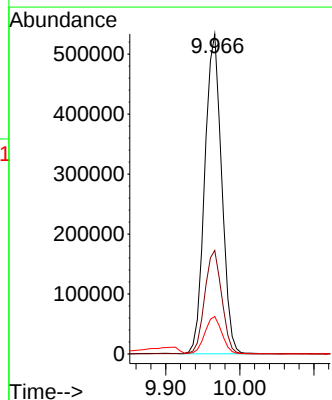
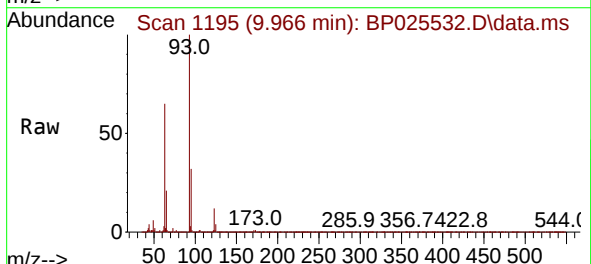
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

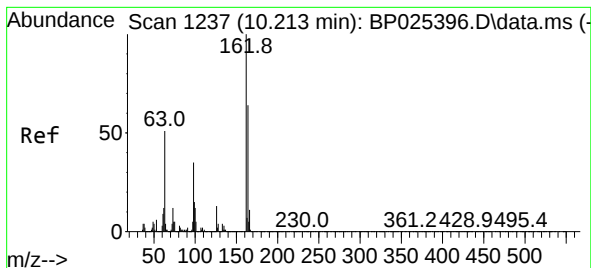
Tgt Ion:122 Resp: 589133  
Ion Ratio Lower Upper  
122 100  
107 119.6 93.7 140.5  
121 58.7 46.6 69.8



#28  
bis(2-Chloroethoxy)methane  
Concen: 46.155 ng  
RT: 9.966 min Scan# 1195  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion: 93 Resp: 842262  
Ion Ratio Lower Upper  
93 100  
95 32.3 25.4 38.0  
123 11.7 9.4 14.0

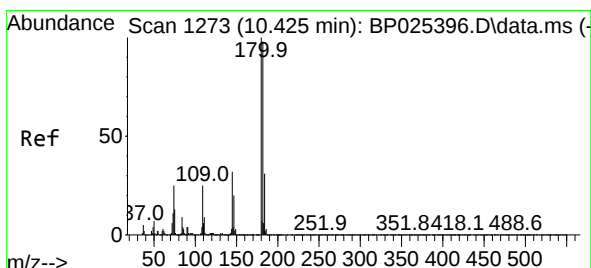
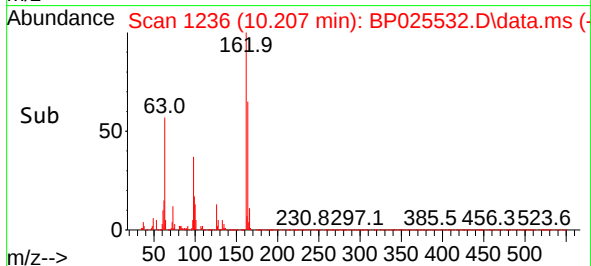
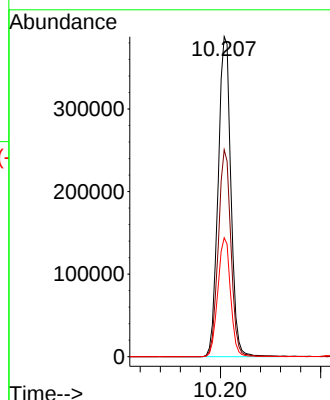
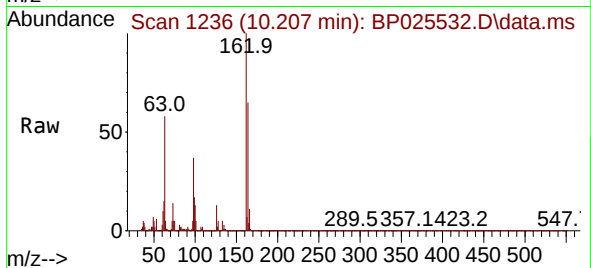




#29  
2,4-Dichlorophenol  
Concen: 51.111 ng  
RT: 10.207 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

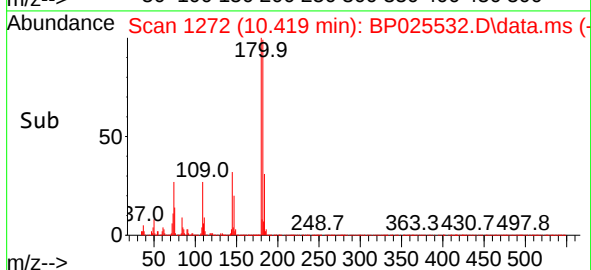
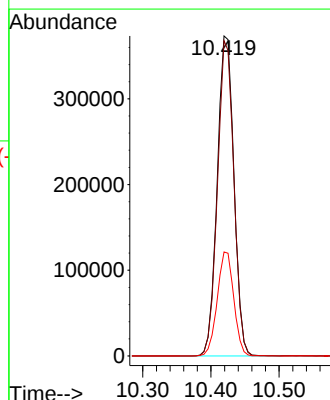
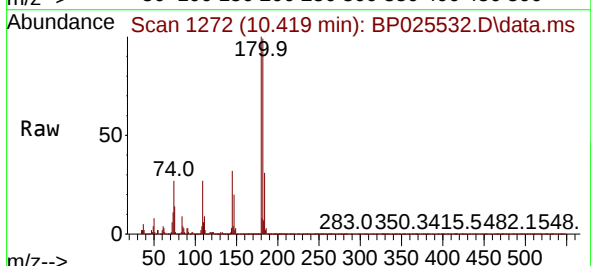
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

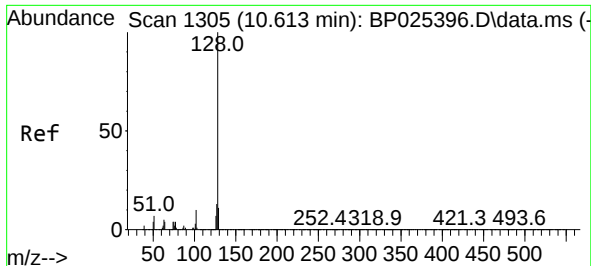
Tgt Ion:162 Resp: 683162  
Ion Ratio Lower Upper  
162 100  
164 64.7 44.4 84.4  
98 37.1 14.9 54.9



#30  
1,2,4-Trichlorobenzene  
Concen: 43.454 ng  
RT: 10.419 min Scan# 1272  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:180 Resp: 636697  
Ion Ratio Lower Upper  
180 100  
182 98.5 78.0 117.0  
145 32.5 25.9 38.9

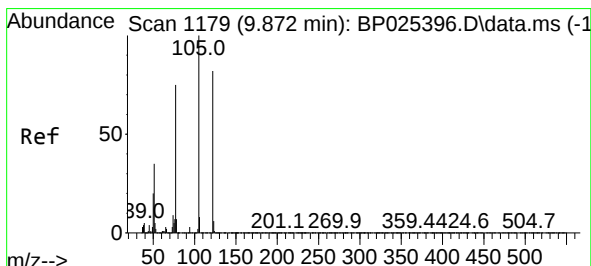
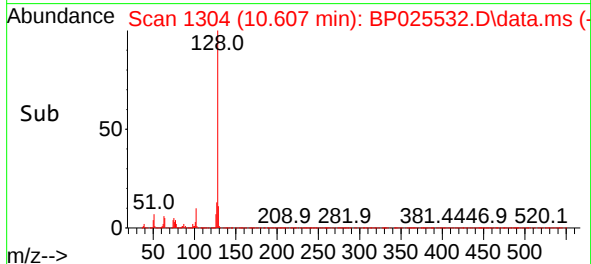
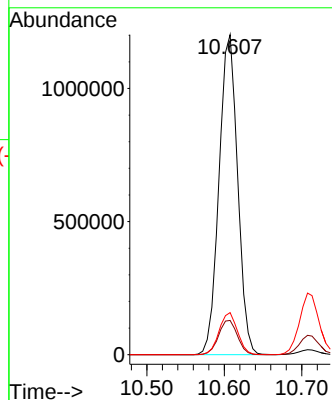
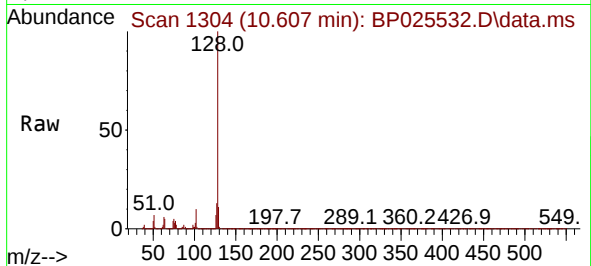




#31  
Naphthalene  
Concen: 44.666 ng  
RT: 10.607 min Scan# 1186  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

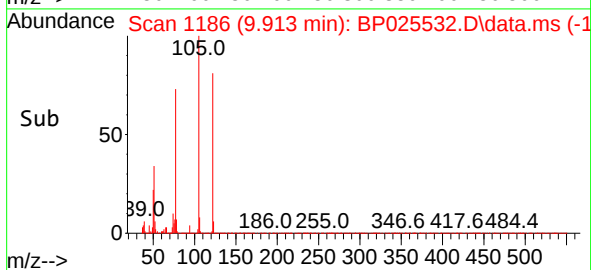
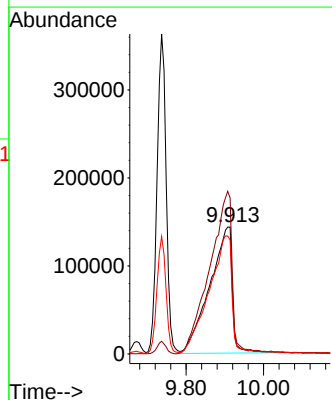
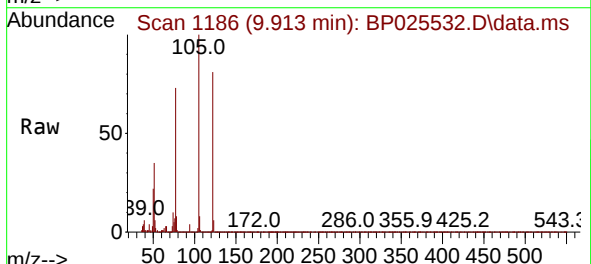
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

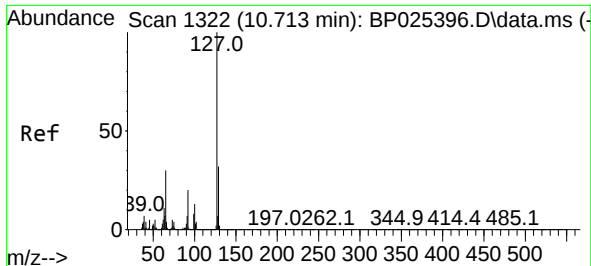
Tgt Ion:128 Resp: 2003290  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.6 13.0  
127 13.1 10.7 16.1



#32  
Benzoic acid  
Concen: 58.551 ng  
RT: 9.913 min Scan# 1186  
Delta R.T. 0.041 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:122 Resp: 581624  
Ion Ratio Lower Upper  
122 100  
105 122.8 100.6 140.6  
77 89.8 71.5 111.5

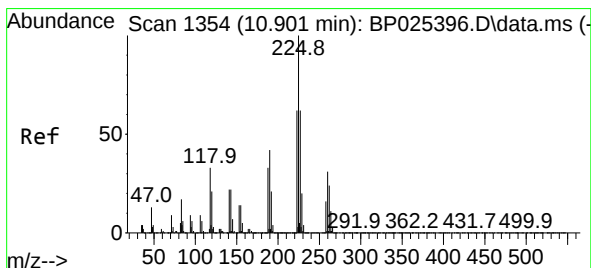
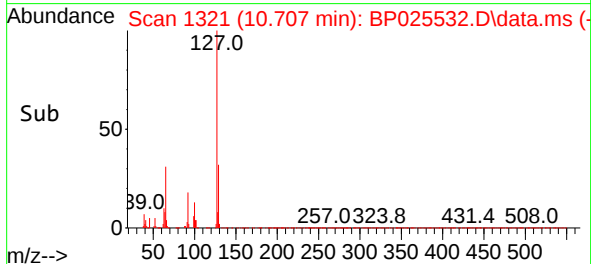
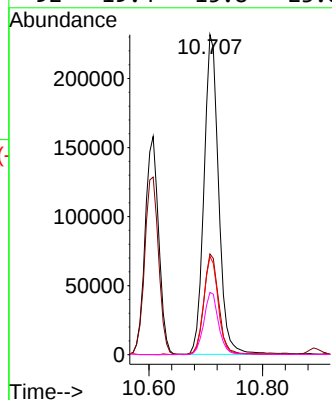
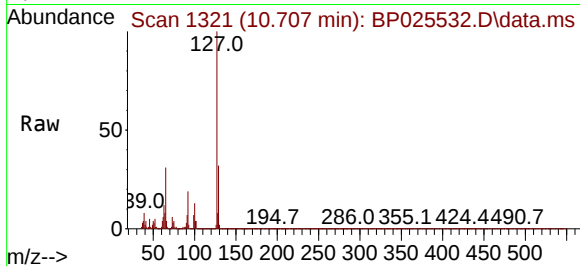




#33  
4-Chloroaniline  
Concen: 20.881 ng  
RT: 10.707 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

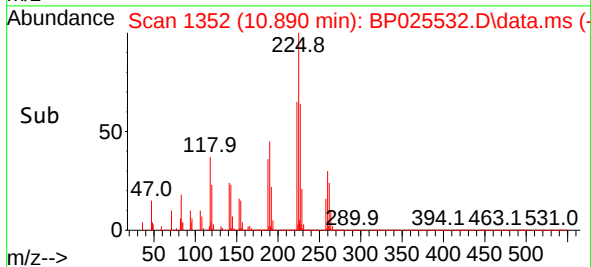
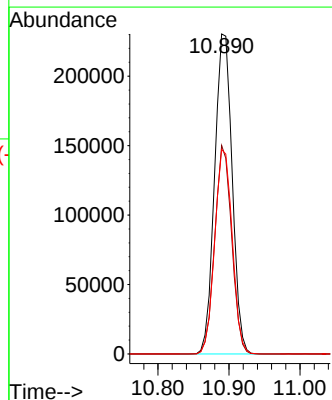
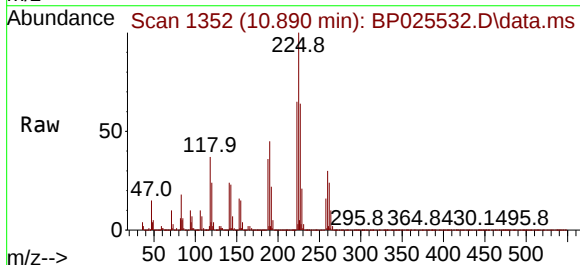
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

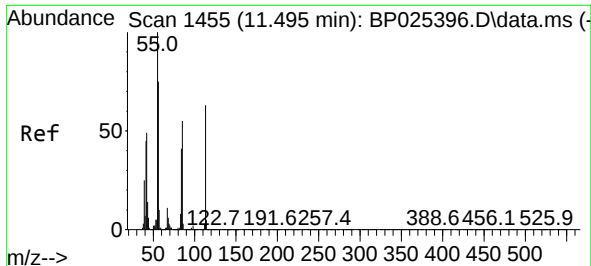
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 413684 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.5  | 25.4  | 38.2   |
| 65       | 30.7  | 23.8  | 35.6   |
| 92       | 19.4  | 15.8  | 23.8   |



#34  
Hexachlorobutadiene  
Concen: 43.224 ng  
RT: 10.890 min Scan# 1352  
Delta R.T. -0.012 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 394420 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 65.2  | 50.0  | 75.0   |
| 227      | 63.9  | 49.7  | 74.5   |

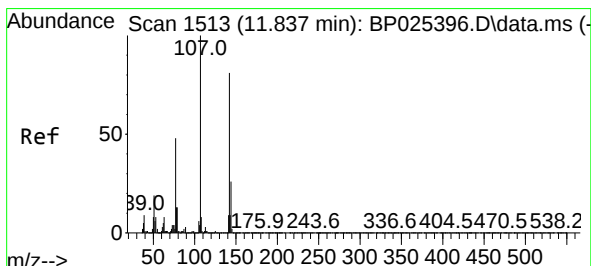
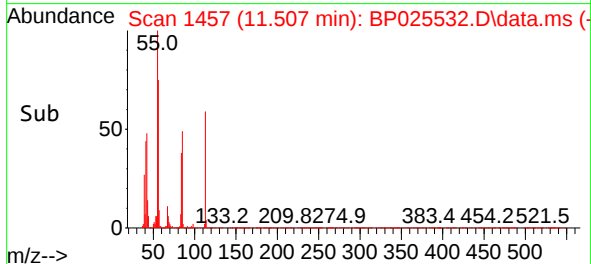
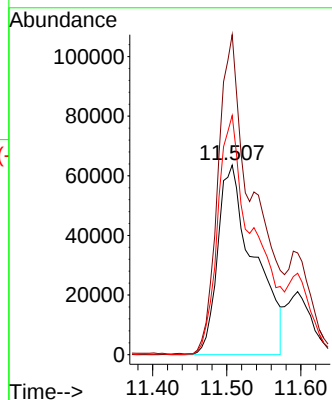
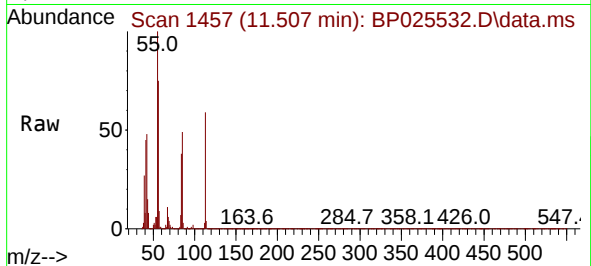




#35  
Caprolactam  
Concen: 43.989 ng  
RT: 11.507 min Scan# 1455  
Delta R.T. 0.012 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

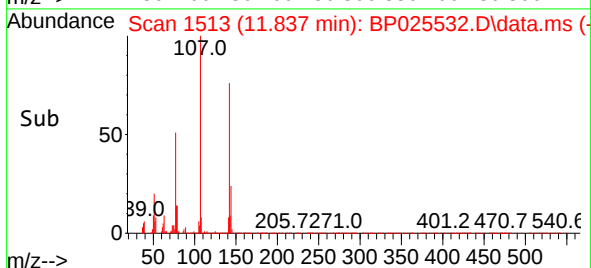
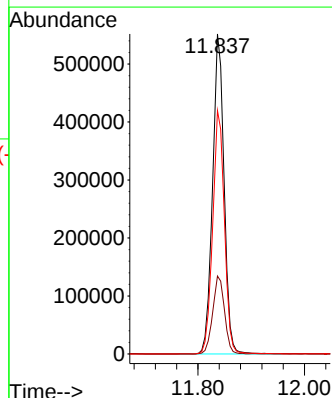
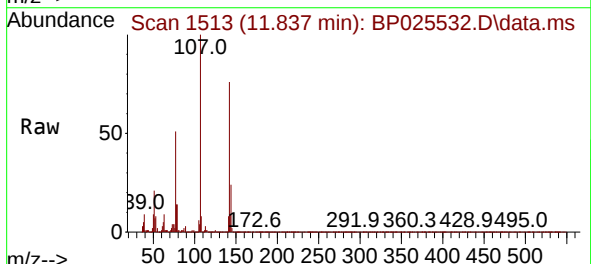
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

Tgt Ion:113 Resp: 215595  
Ion Ratio Lower Upper  
113 100  
55 168.7 140.0 180.0  
56 126.2 100.0 140.0



#36  
4-Chloro-3-methylphenol  
Concen: 54.004 ng  
RT: 11.837 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:107 Resp: 828279  
Ion Ratio Lower Upper  
107 100  
144 24.4 21.0 31.4  
142 76.0 64.6 97.0

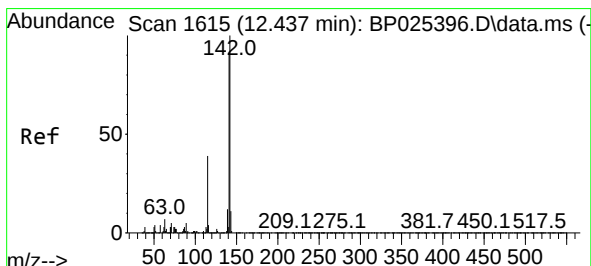
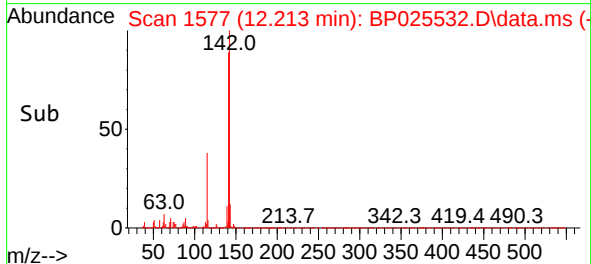
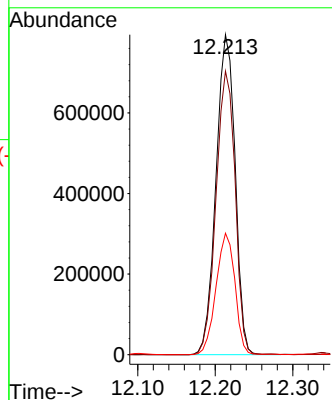
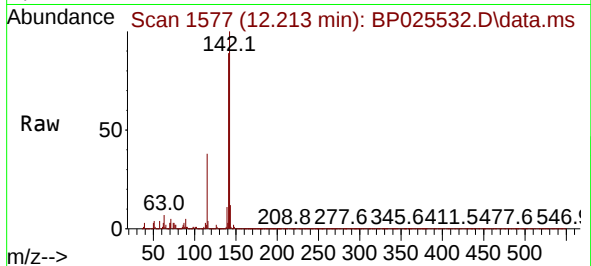




#37  
2-Methylnaphthalene  
Concen: 46.818 ng  
RT: 12.213 min Scan# 1577  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

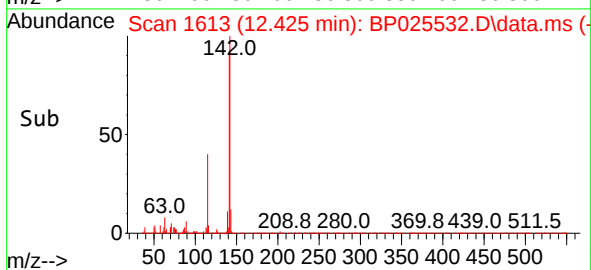
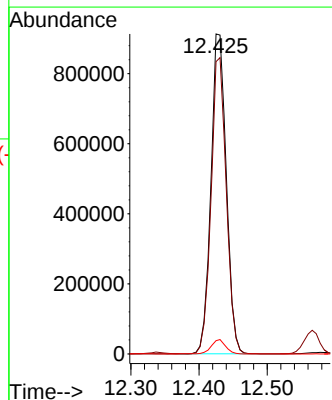
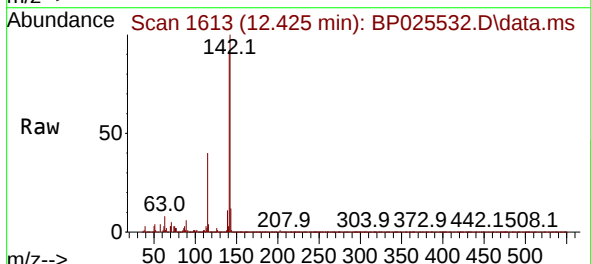
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

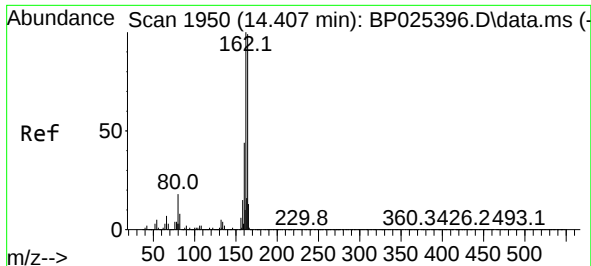
Tgt Ion:142 Resp: 1366496  
Ion Ratio Lower Upper  
142 100  
141 88.6 70.3 105.5  
115 38.0 28.9 43.3



#38  
1-Methylnaphthalene  
Concen: 46.224 ng  
RT: 12.425 min Scan# 1613  
Delta R.T. -0.012 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:142 Resp: 1434778  
Ion Ratio Lower Upper  
142 100  
141 91.4 73.1 109.7  
116 4.1 3.2 4.8

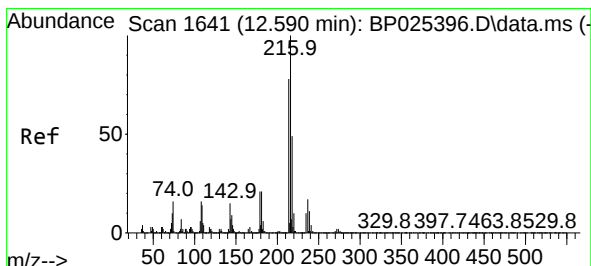
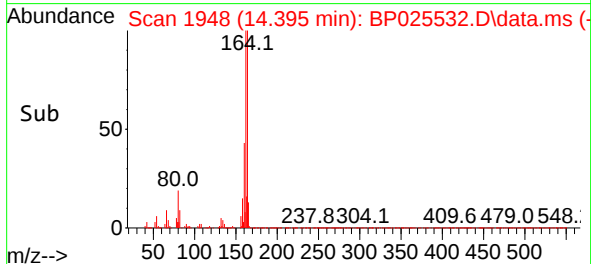
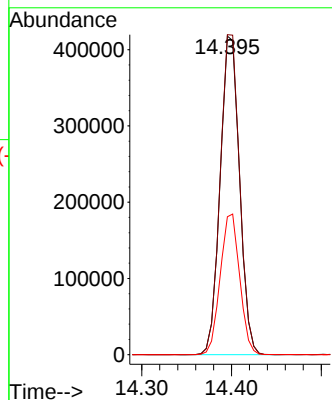
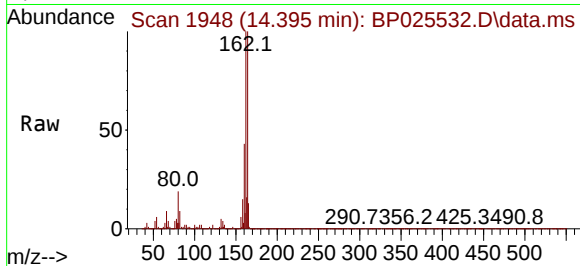




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.395 min Scan# 1950  
Delta R.T. -0.012 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

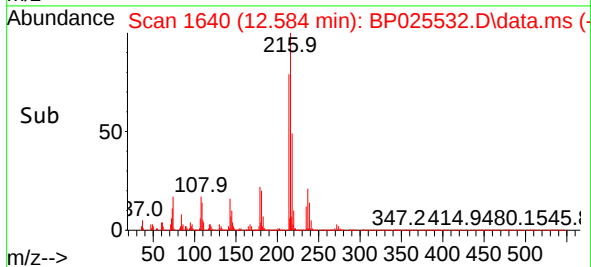
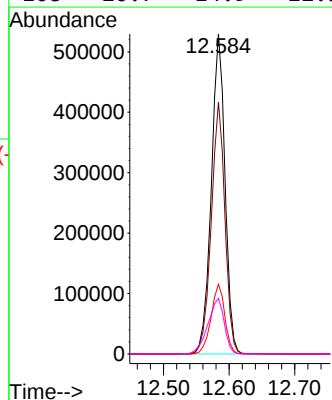
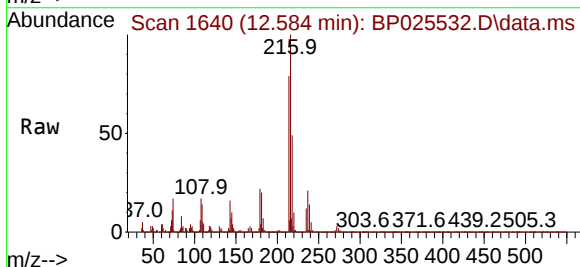
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

Tgt Ion:164 Resp: 625092  
Ion Ratio Lower Upper  
164 100  
162 100.4 81.0 121.6  
160 43.3 35.4 53.2



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.635 ng  
RT: 12.584 min Scan# 1640  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:216 Resp: 769709  
Ion Ratio Lower Upper  
216 100  
214 78.4 63.0 94.4  
179 21.9 17.1 25.7  
108 20.7 14.9 22.3

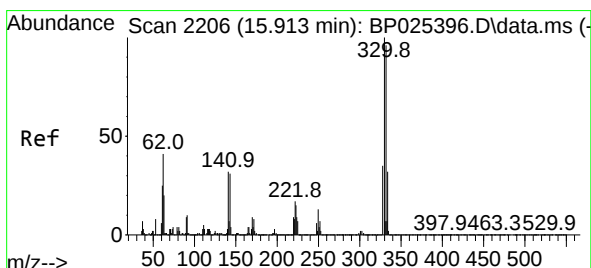
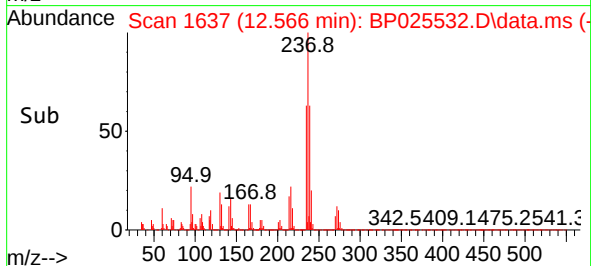
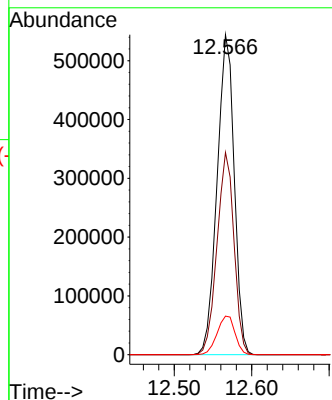
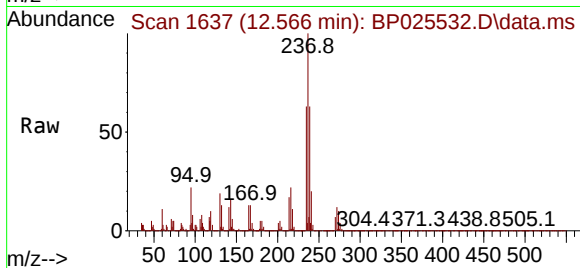




#41  
Hexachlorocyclopentadiene  
Concen: 76.530 ng  
RT: 12.566 min Scan# 1637  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

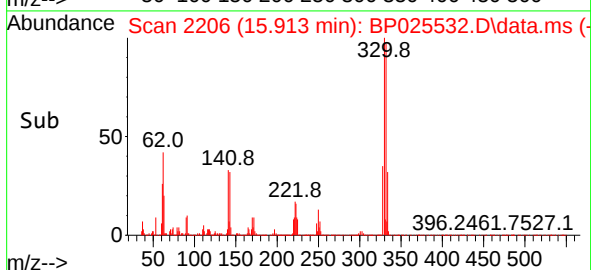
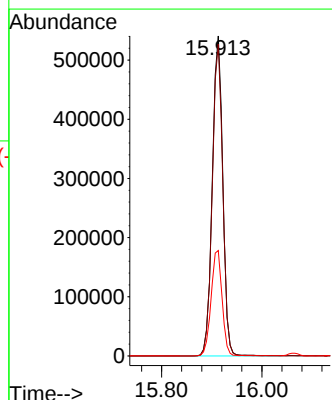
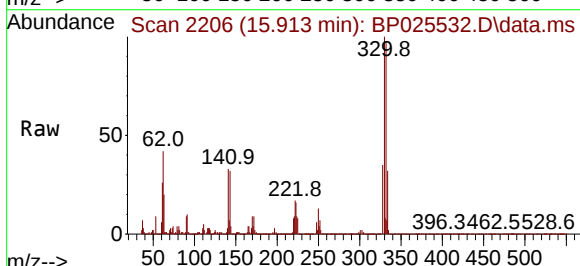
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

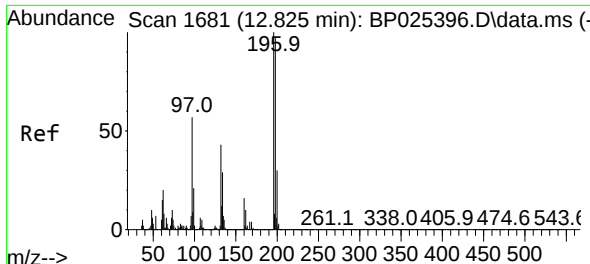
Tgt Ion:237 Resp: 834559  
Ion Ratio Lower Upper  
237 100  
235 63.2 42.7 82.7  
272 12.1 0.0 34.0



#42  
2,4,6-Tribromophenol  
Concen: 93.329 ng  
RT: 15.913 min Scan# 2206  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:330 Resp: 785252  
Ion Ratio Lower Upper  
330 100  
332 97.5 77.3 115.9  
141 34.6 26.6 39.8

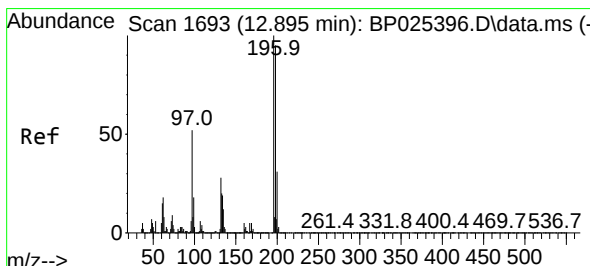
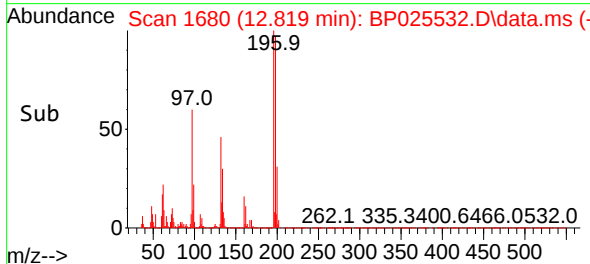
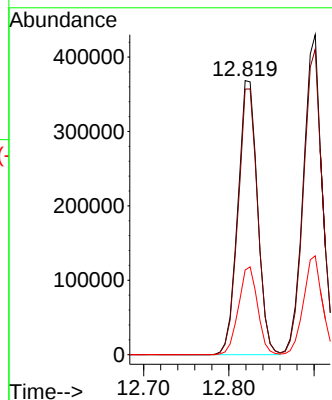
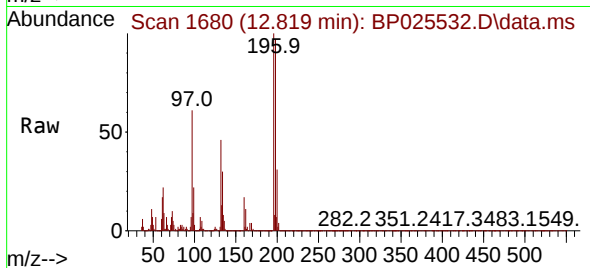




#43  
2,4,6-Trichlorophenol  
Concen: 48.467 ng  
RT: 12.819 min Scan# 1680  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

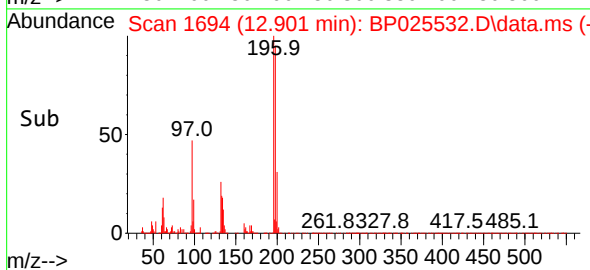
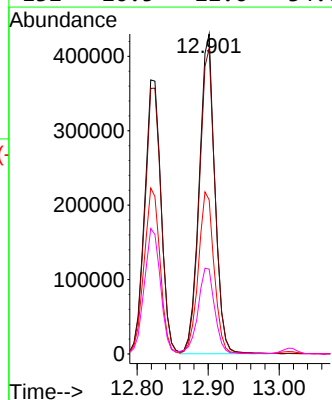
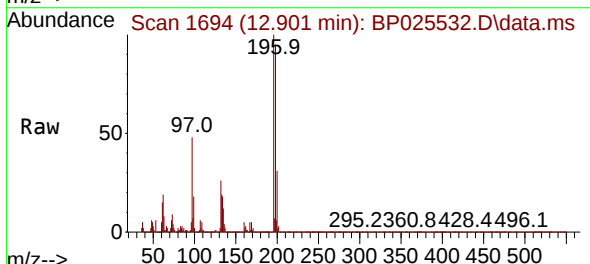
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

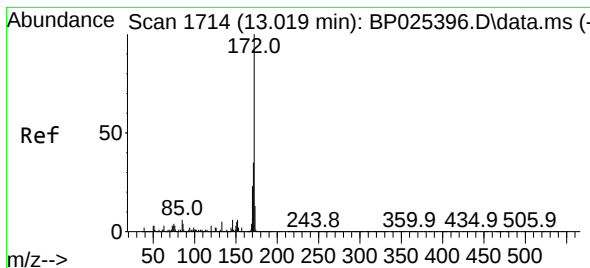
Tgt Ion:196 Resp: 590719  
Ion Ratio Lower Upper  
196 100  
198 96.9 77.2 115.8  
200 30.9 23.9 35.9



#44  
2,4,5-Trichlorophenol  
Concen: 49.338 ng  
RT: 12.901 min Scan# 1694  
Delta R.T. 0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:196 Resp: 659037  
Ion Ratio Lower Upper  
196 100  
198 95.5 76.2 114.2  
97 48.2 41.2 61.8  
132 26.5 22.6 34.0





#45

2-Fluorobiphenyl

Concen: 48.485 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA\_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

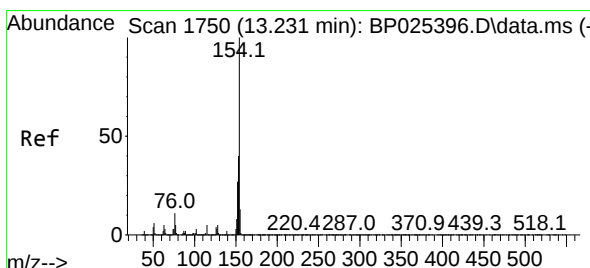
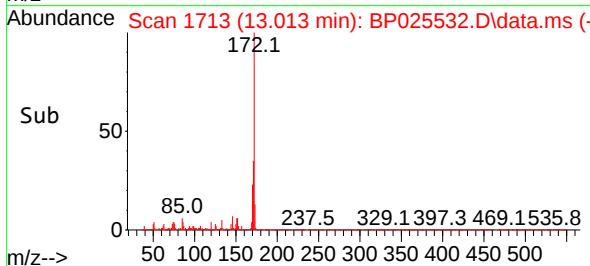
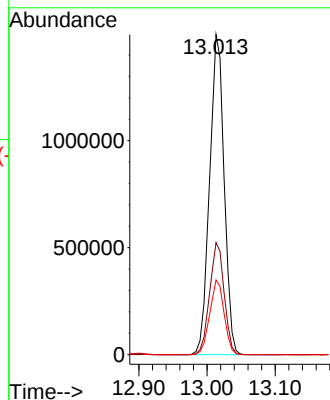
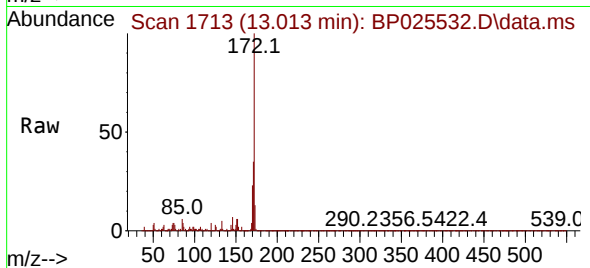
Tgt Ion:172 Resp: 2217595

Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.3 18.6 28.0



#46

1,1'-Biphenyl

Concen: 44.409 ng

RT: 13.225 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

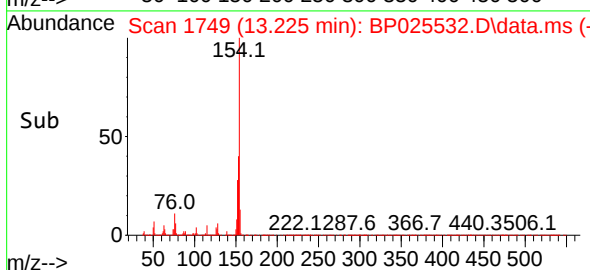
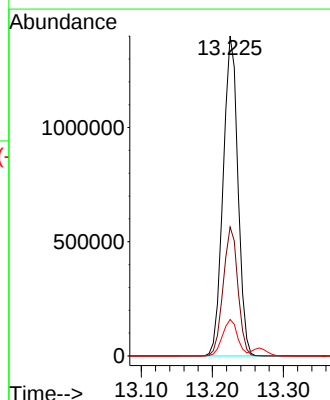
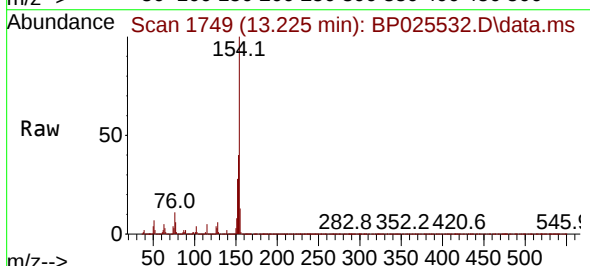
Tgt Ion:154 Resp: 2016067

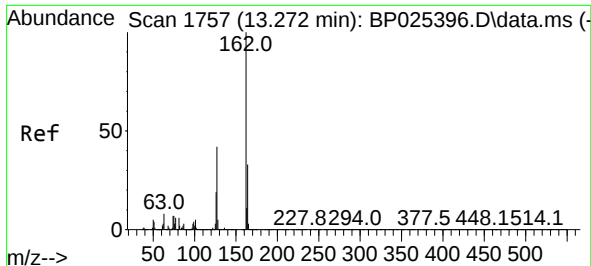
Ion Ratio Lower Upper

154 100

153 40.3 19.5 59.5

76 11.4 0.0 31.1

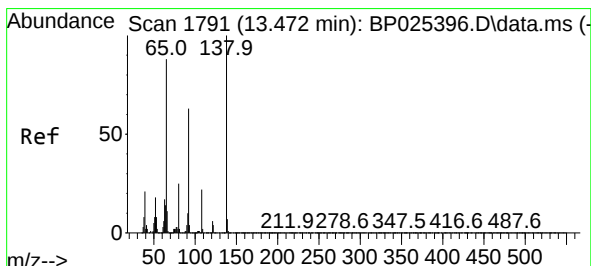
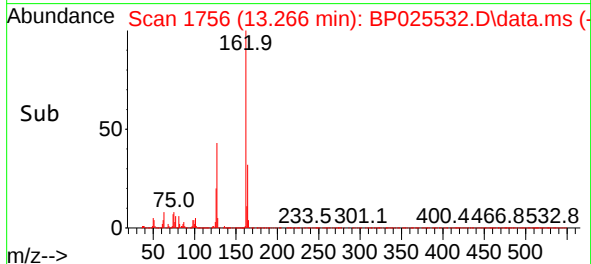
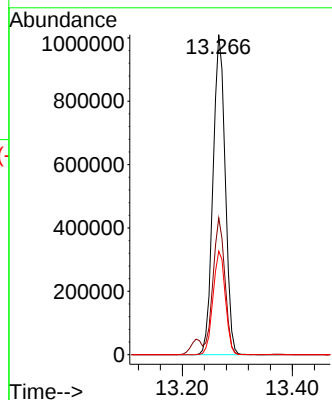
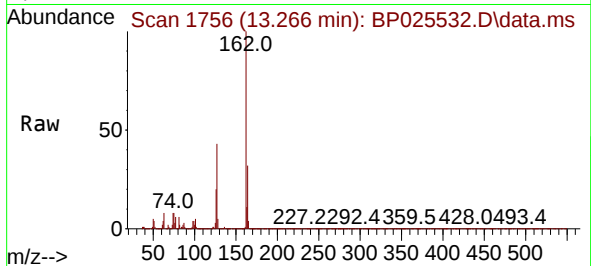




#47  
2-Chloronaphthalene  
Concen: 44.047 ng  
RT: 13.266 min Scan# 1756  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

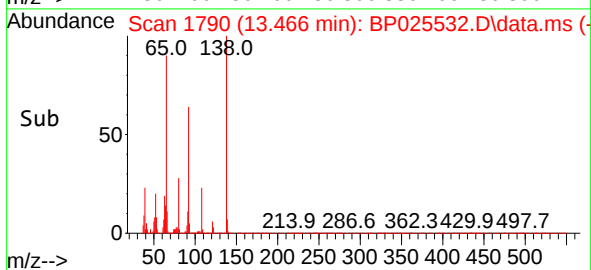
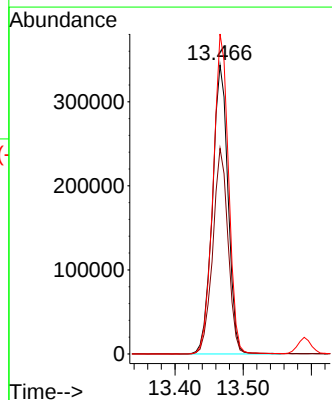
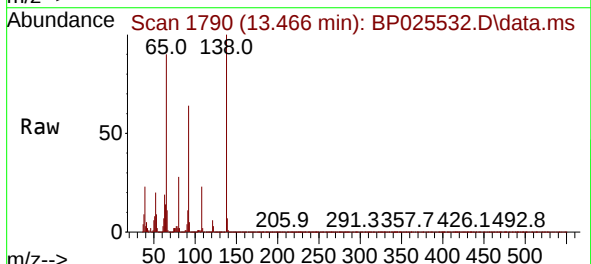
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

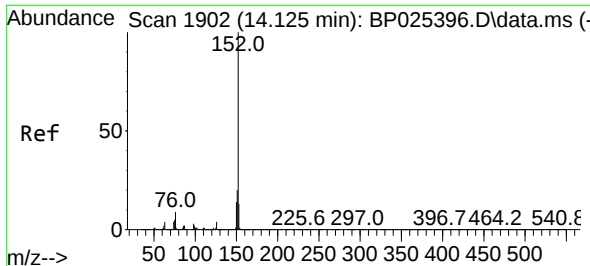
Tgt Ion:162 Resp: 1556694  
Ion Ratio Lower Upper  
162 100  
127 42.7 33.4 50.2  
164 32.4 26.2 39.2



#48  
2-Nitroaniline  
Concen: 53.282 ng  
RT: 13.466 min Scan# 1790  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion: 65 Resp: 548687  
Ion Ratio Lower Upper  
65 100  
92 71.1 57.6 86.4  
138 110.7 91.0 136.6

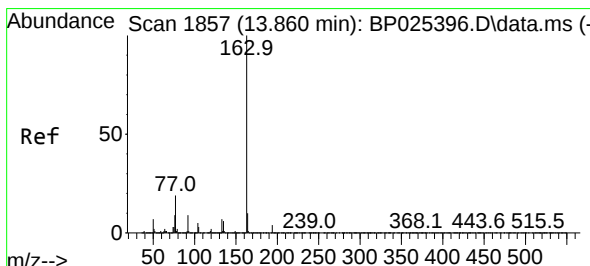
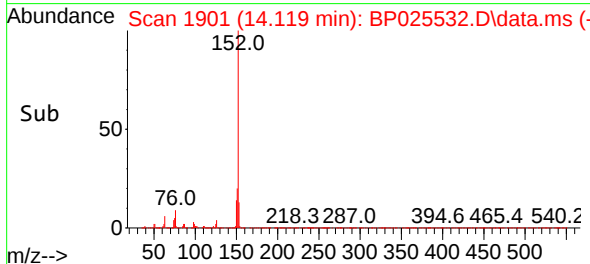
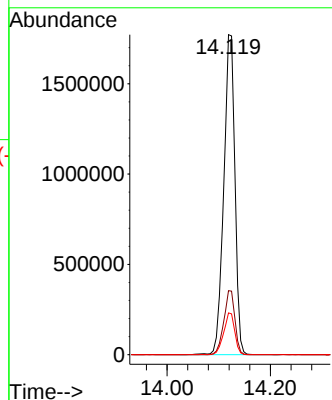
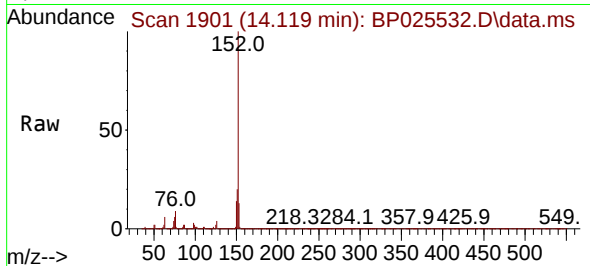




#49  
Acenaphthylene  
Concen: 45.367 ng  
RT: 14.119 min Scan# 1901  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

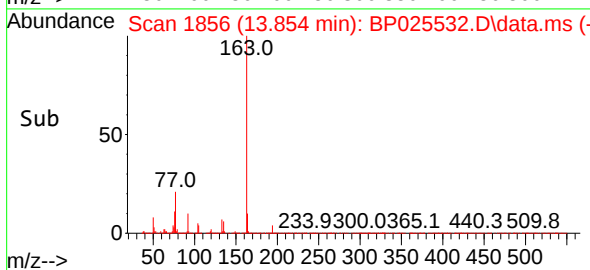
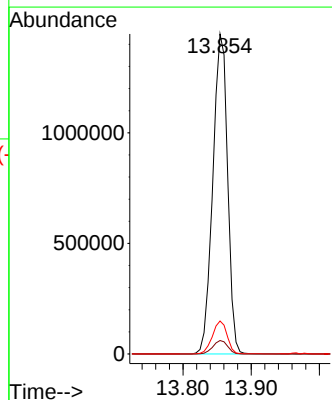
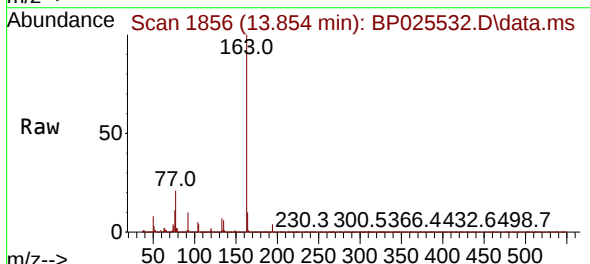
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

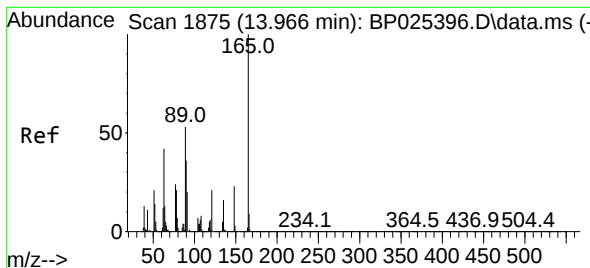
Tgt Ion:152 Resp: 2653065  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.0 24.0  
153 13.0 10.6 15.8



#50  
Dimethylphthalate  
Concen: 47.715 ng  
RT: 13.854 min Scan# 1856  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:163 Resp: 2184153  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.4 5.0  
164 10.3 7.9 11.9

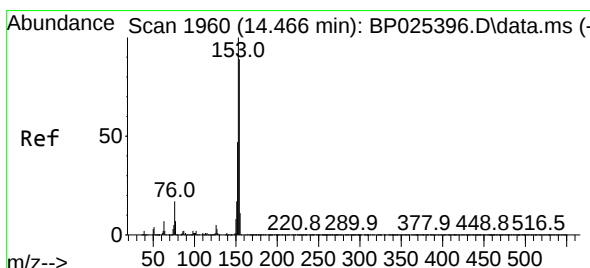
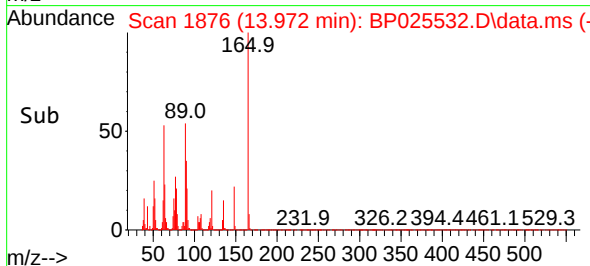
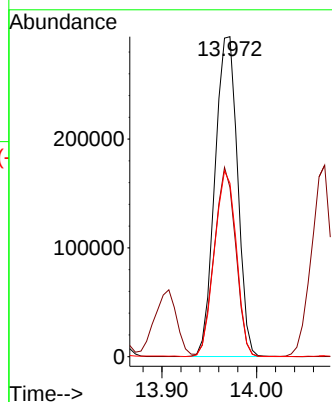
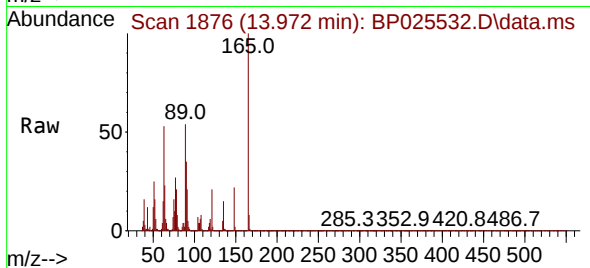




#51  
2,6-Dinitrotoluene  
Concen: 50.647 ng  
RT: 13.972 min Scan# 1875  
Delta R.T. 0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

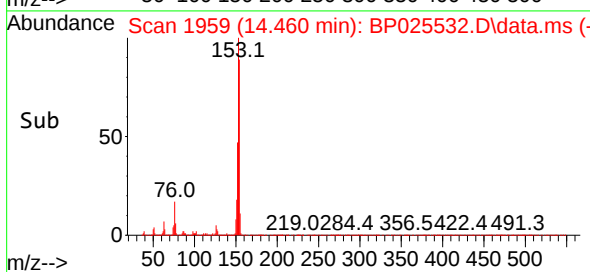
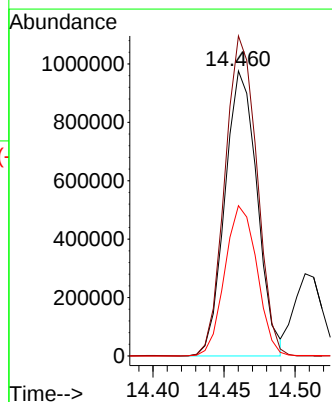
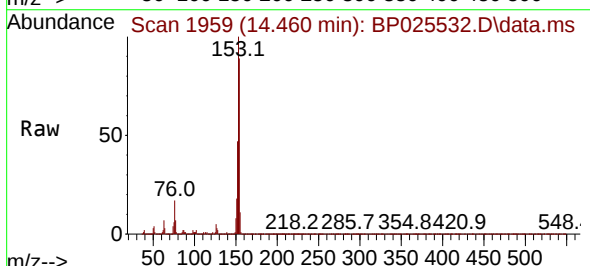
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

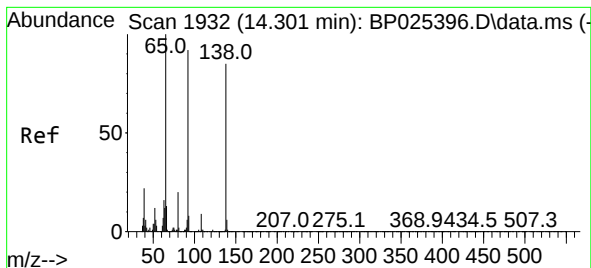
Tgt Ion:165 Resp: 488637  
Ion Ratio Lower Upper  
165 100  
63 52.9 40.9 61.3  
89 54.2 42.1 63.1



#52  
Acenaphthene  
Concen: 44.821 ng  
RT: 14.460 min Scan# 1959  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:154 Resp: 1538560  
Ion Ratio Lower Upper  
154 100  
153 112.3 90.2 135.2  
152 52.7 42.1 63.1

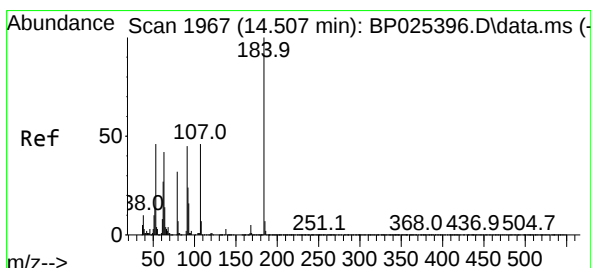
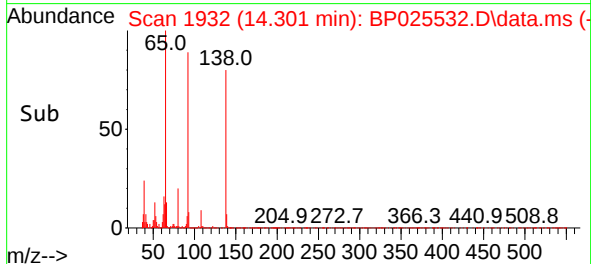
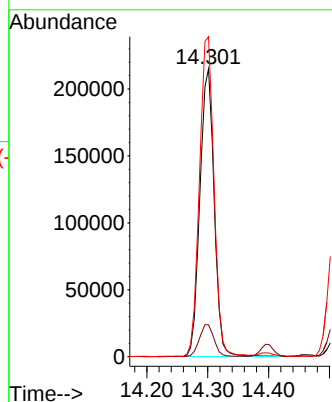
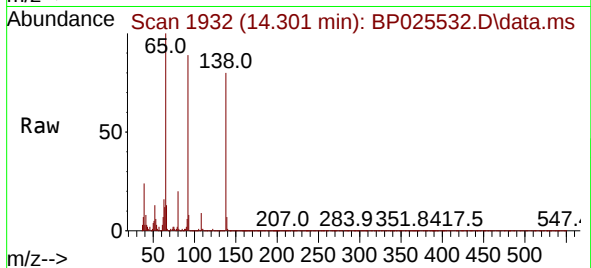




#53  
3-Nitroaniline  
Concen: 32.182 ng  
RT: 14.301 min Scan# 1932  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

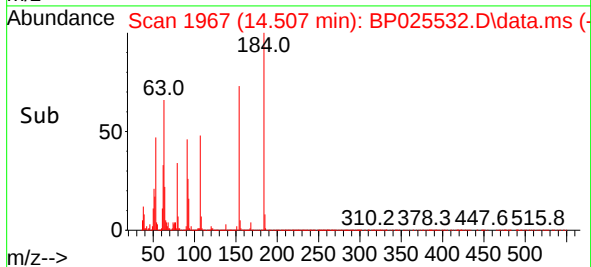
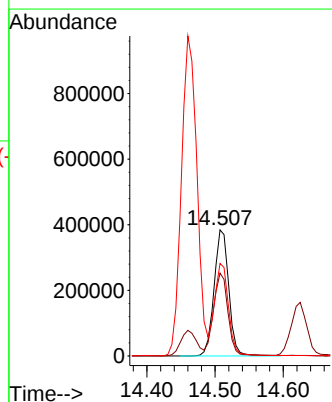
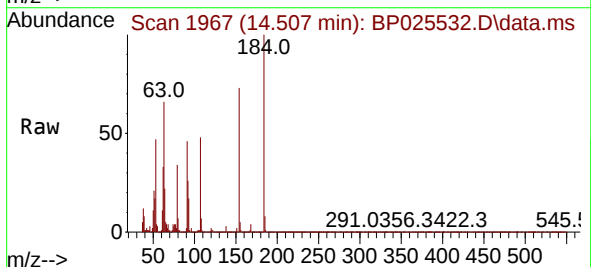
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

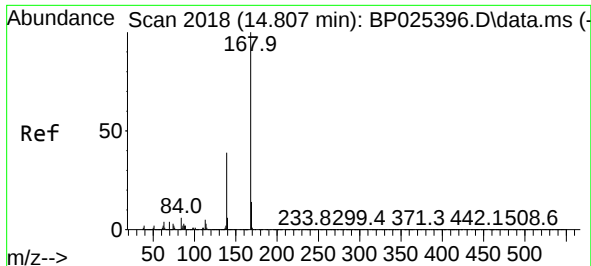
Tgt Ion:138 Resp: 349330  
Ion Ratio Lower Upper  
138 100  
108 11.1 8.3 12.5  
92 111.2 86.2 129.2



#54  
2,4-Dinitrophenol  
Concen: 112.186 ng  
RT: 14.507 min Scan# 1967  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:184 Resp: 578017  
Ion Ratio Lower Upper  
184 100  
63 65.8 49.4 74.2  
154 73.3 54.6 82.0

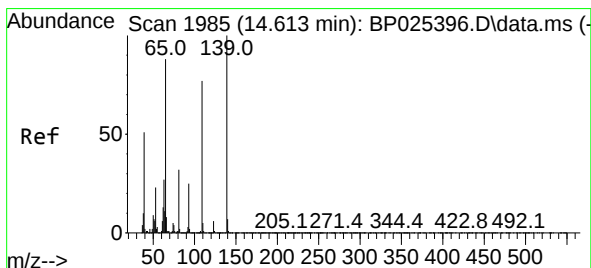
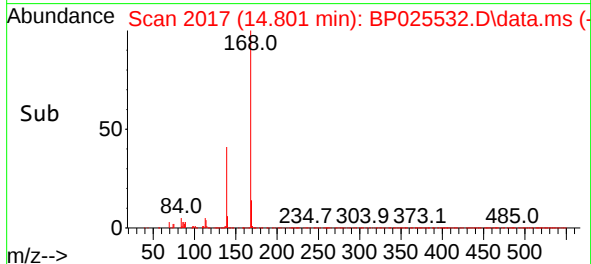
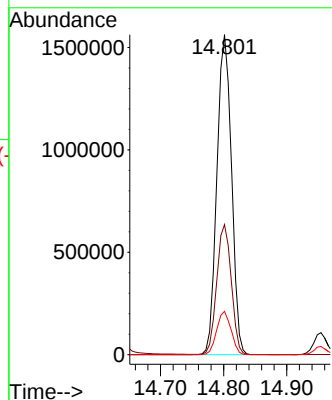
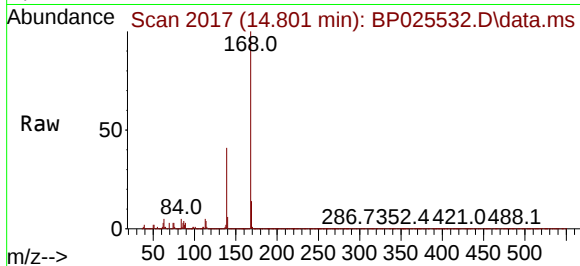




#55  
Dibenzenofuran  
Concen: 46.193 ng  
RT: 14.801 min Scan# 2018  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

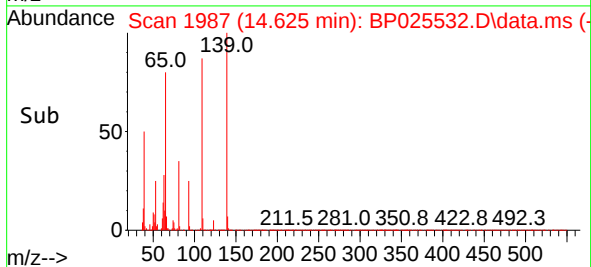
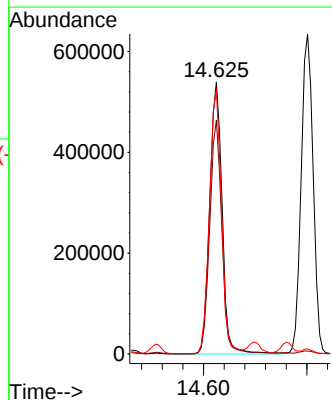
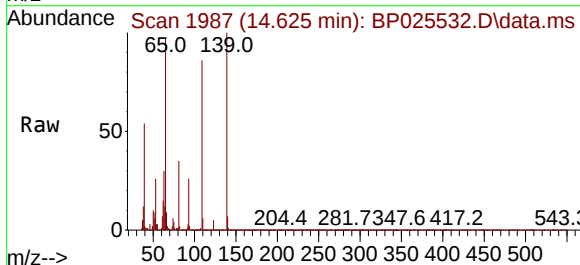
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

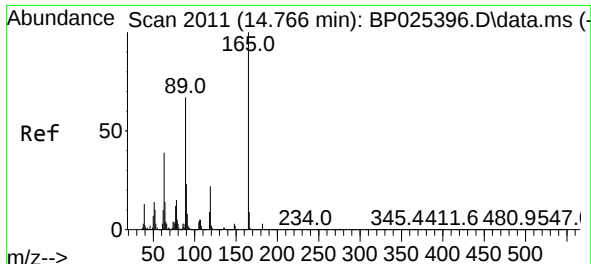
Tgt Ion:168 Resp: 2506967  
Ion Ratio Lower Upper  
168 100  
139 40.6 31.5 47.3  
169 13.6 10.9 16.3



#56  
4-Nitrophenol  
Concen: 101.047 ng  
RT: 14.625 min Scan# 1987  
Delta R.T. 0.012 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:139 Resp: 901325  
Ion Ratio Lower Upper  
139 100  
109 86.0 56.6 96.6  
65 96.7 68.2 108.2

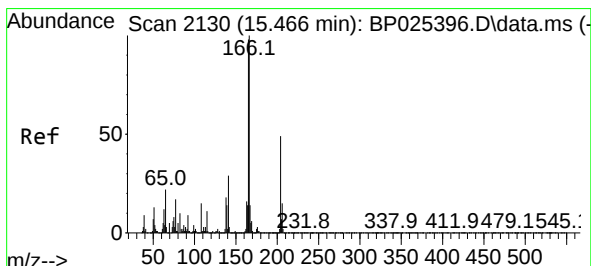
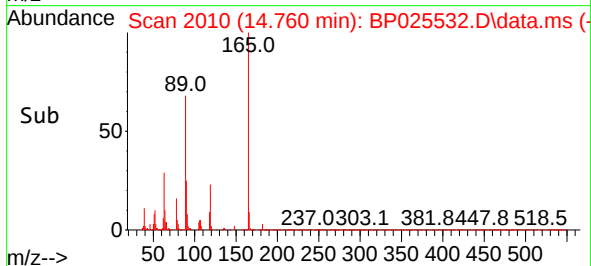
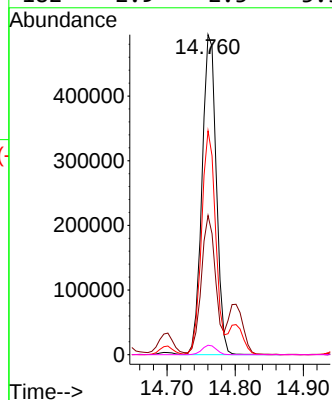
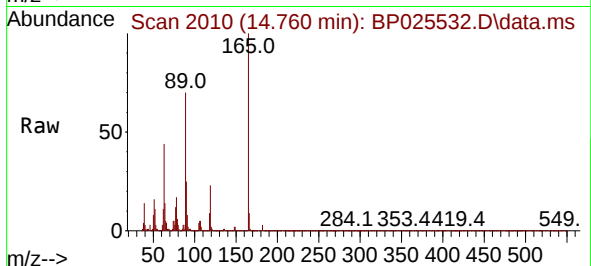




#57  
2,4-Dinitrotoluene  
Concen: 52.192 ng  
RT: 14.760 min Scan# 2011  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

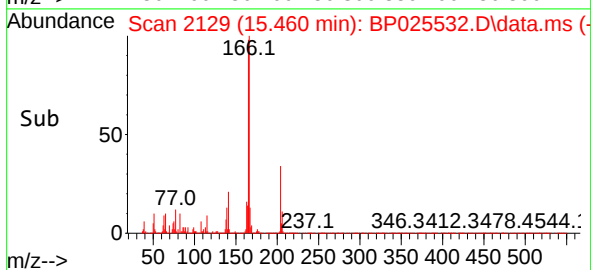
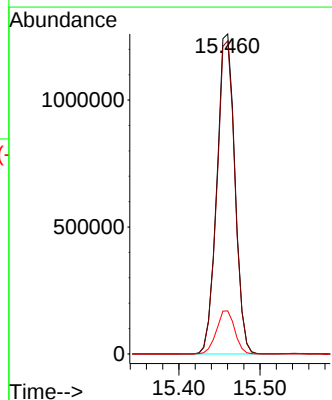
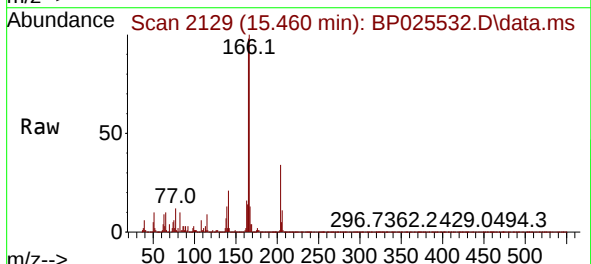
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

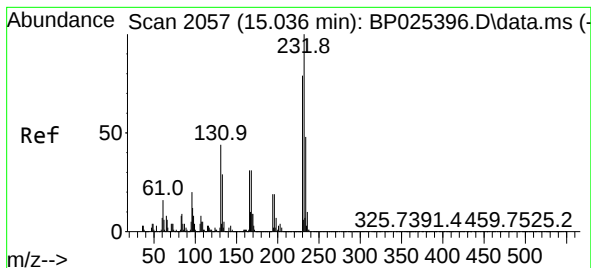
Tgt Ion:165 Resp: 718441  
Ion Ratio Lower Upper  
165 100  
63 43.5 31.4 47.2  
89 70.0 53.3 79.9  
182 2.9 2.3 3.5



#58  
Fluorene  
Concen: 45.387 ng  
RT: 15.460 min Scan# 2129  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:166 Resp: 1943631  
Ion Ratio Lower Upper  
166 100  
165 97.8 78.8 118.2  
167 13.5 11.0 16.4

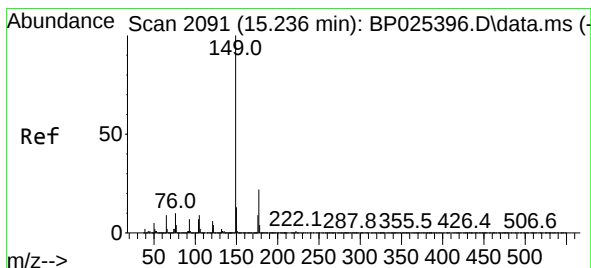
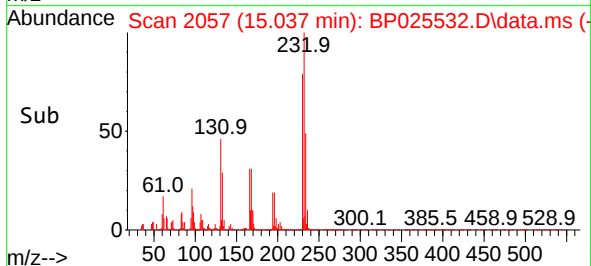
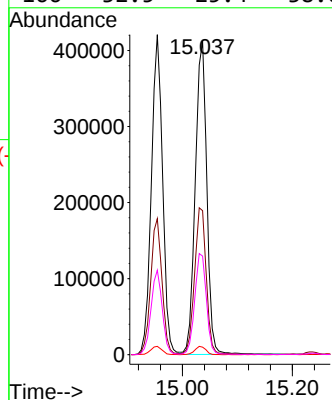
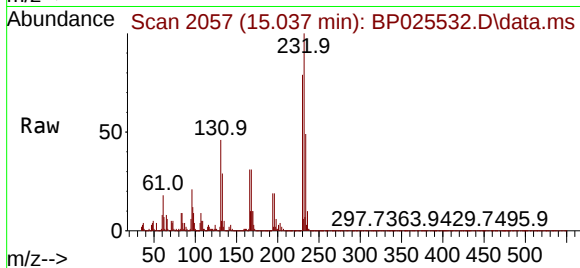




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 50.759 ng  
RT: 15.037 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

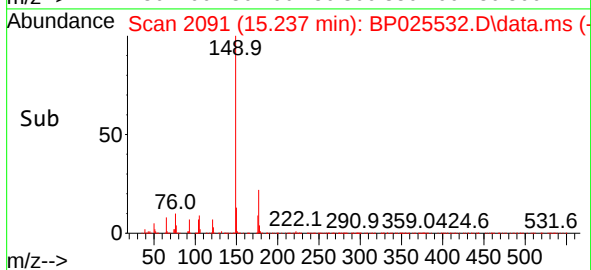
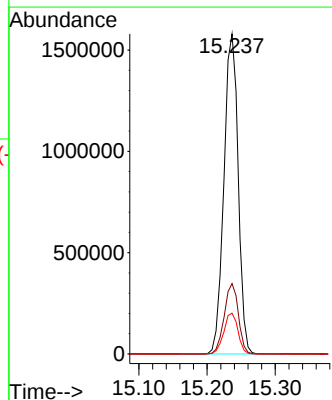
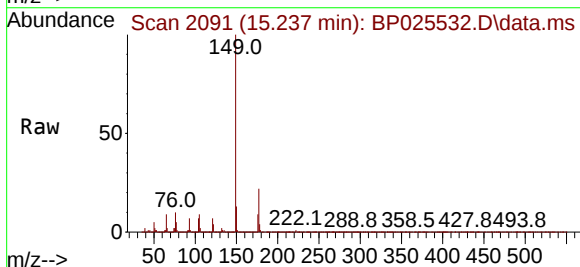
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

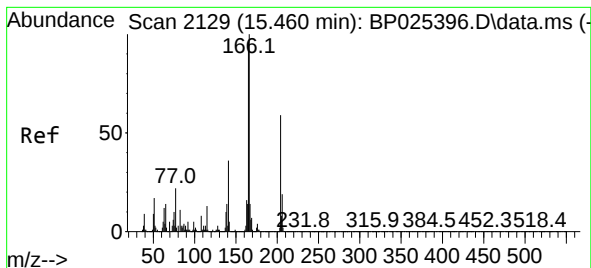
Tgt Ion:232 Resp: 598683  
Ion Ratio Lower Upper  
232 100  
131 47.2 37.0 55.6  
130 2.5 1.9 2.9  
166 32.5 25.4 38.0



#60  
Diethylphthalate  
Concen: 49.332 ng  
RT: 15.237 min Scan# 2091  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:149 Resp: 2294509  
Ion Ratio Lower Upper  
149 100  
177 22.0 17.3 25.9  
150 12.8 10.3 15.5

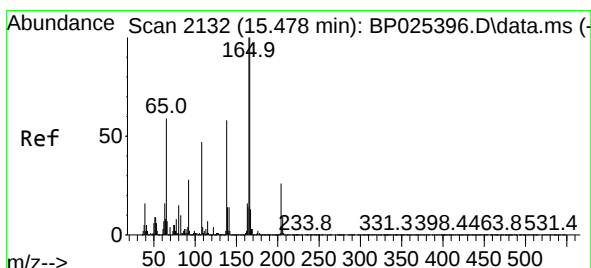
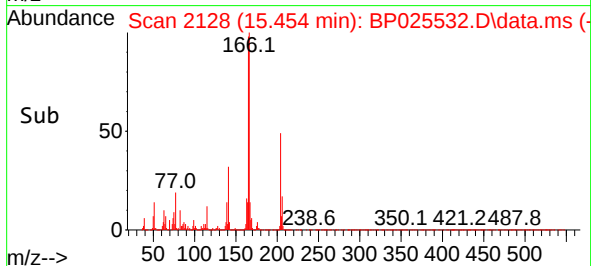
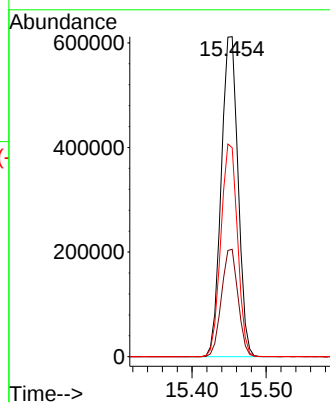
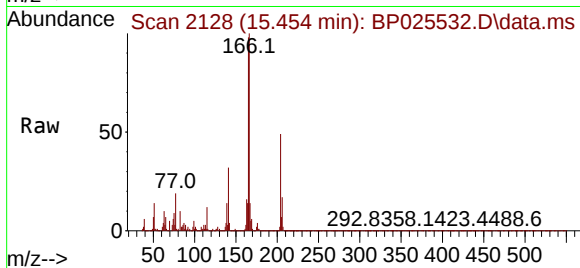




#61  
4-Chlorophenyl-phenylether  
Concen: 45.222 ng  
RT: 15.454 min Scan# 2128  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

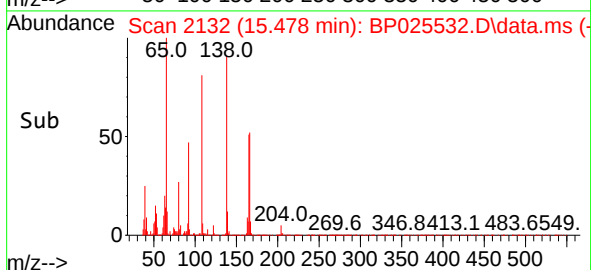
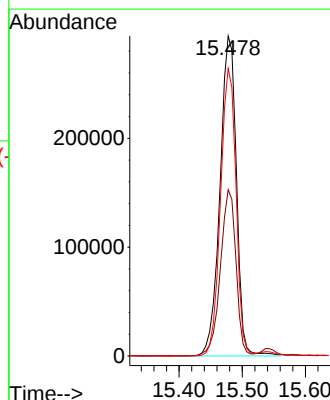
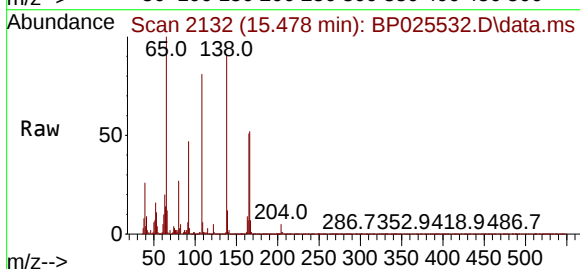
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

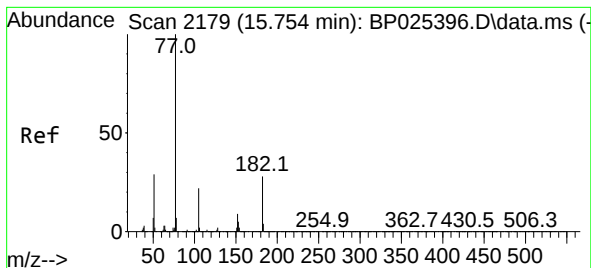
Tgt Ion:204 Resp: 963129  
Ion Ratio Lower Upper  
204 100  
206 33.6 25.8 38.8  
141 65.3 49.4 74.2



#62  
4-Nitroaniline  
Concen: 47.780 ng  
RT: 15.478 min Scan# 2132  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:138 Resp: 531708  
Ion Ratio Lower Upper  
138 100  
92 51.9 29.1 69.1  
108 89.8 61.5 101.5





#63

Azobenzene

Concen: 53.558 ng

RT: 15.754 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA\_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

Tgt Ion: 77 Resp: 2133007

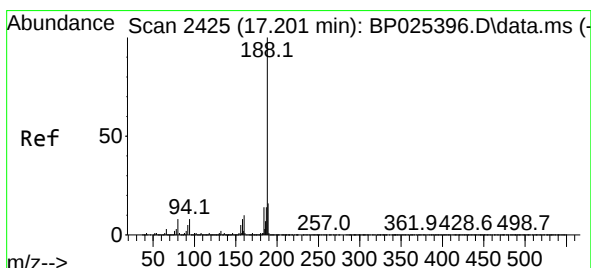
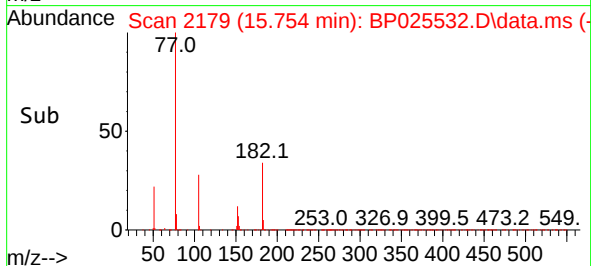
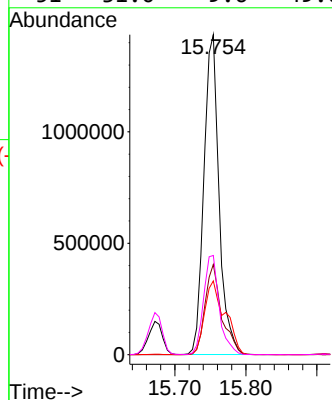
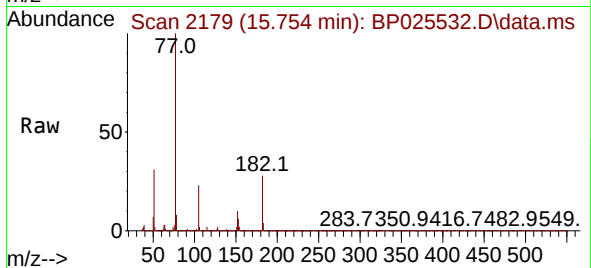
Ion Ratio Lower Upper

77 100

182 28.2 7.5 47.5

105 23.1 2.1 42.1

51 31.0 9.6 49.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.195 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

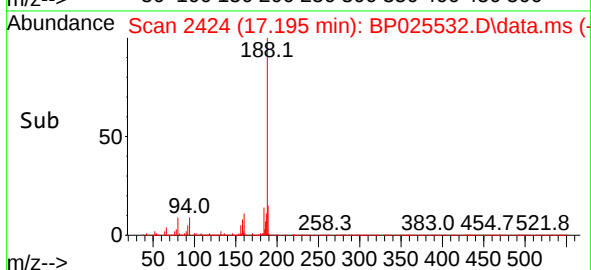
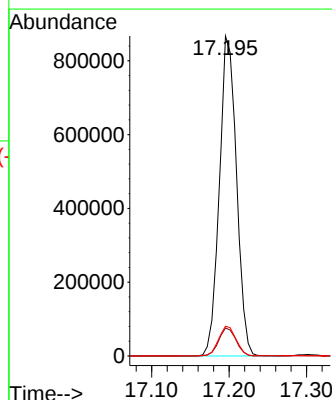
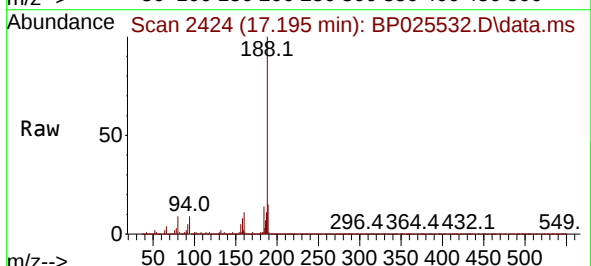
Tgt Ion:188 Resp: 1332235

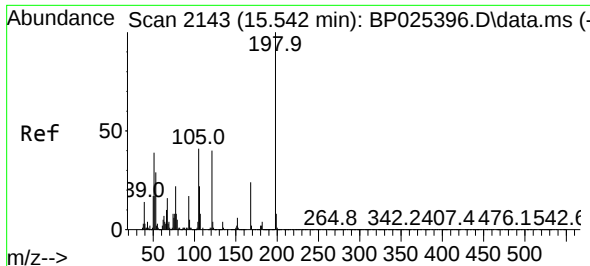
Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 9.3 6.7 10.1

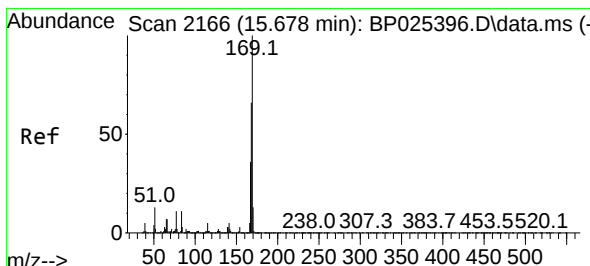
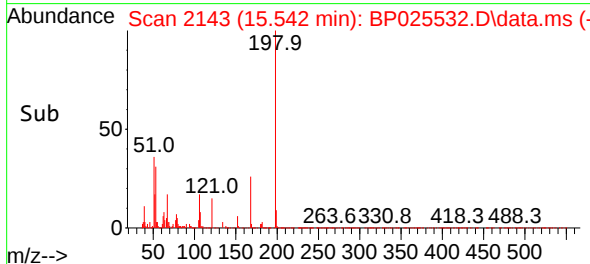
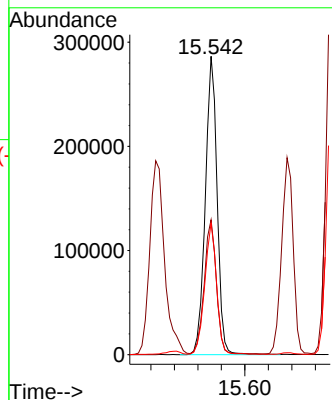
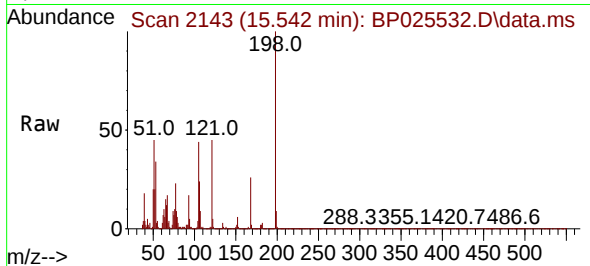




#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.199 ng  
RT: 15.542 min Scan# 2143  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

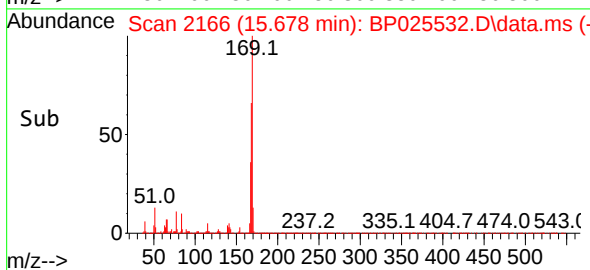
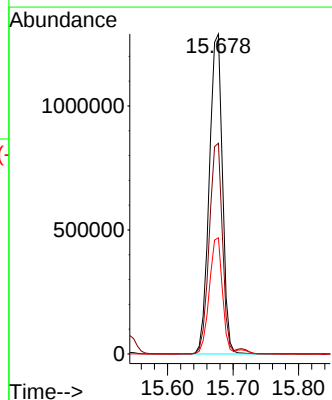
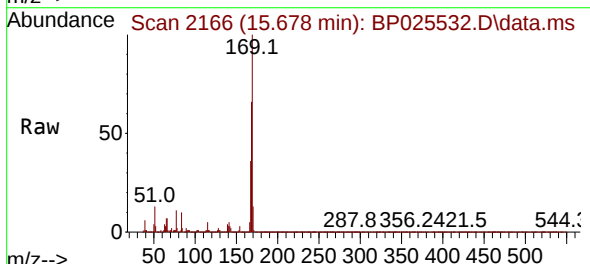
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

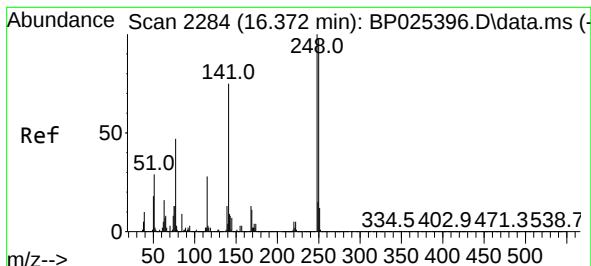
Tgt Ion:198 Resp: 400266  
Ion Ratio Lower Upper  
198 100  
51 45.2 19.6 59.6  
105 44.1 20.9 60.9



#66  
n-Nitrosodiphenylamine  
Concen: 44.461 ng  
RT: 15.678 min Scan# 2166  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:169 Resp: 1806263  
Ion Ratio Lower Upper  
169 100  
168 65.9 53.2 79.8  
167 36.3 28.7 43.1

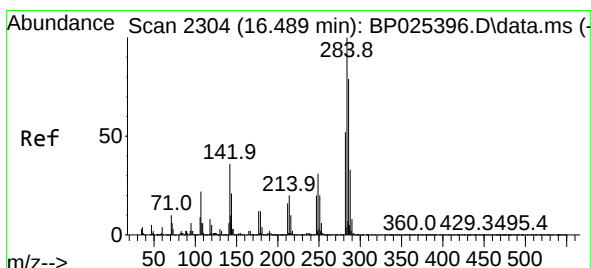
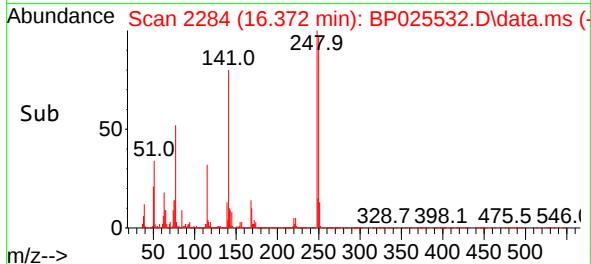
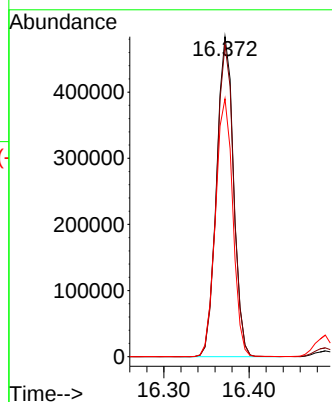
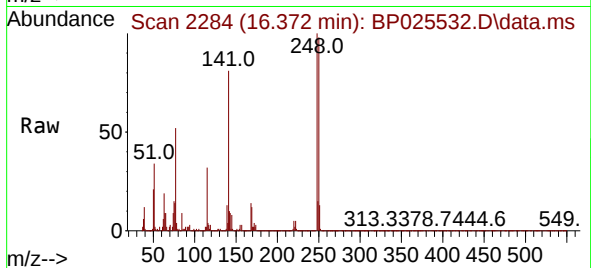




#67  
4-Bromophenyl-phenylether  
Concen: 45.826 ng  
RT: 16.372 min Scan# 2284  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

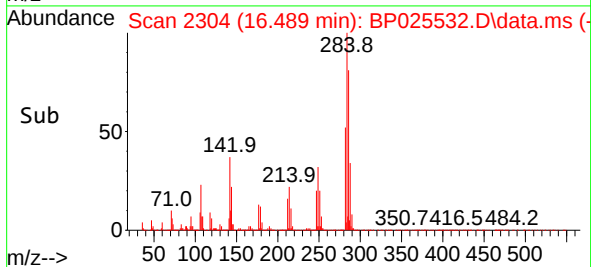
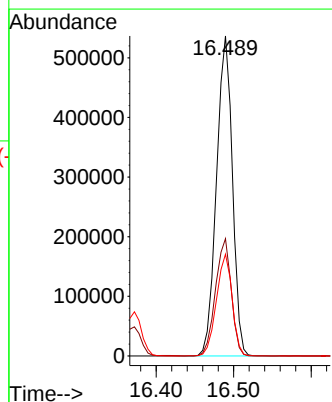
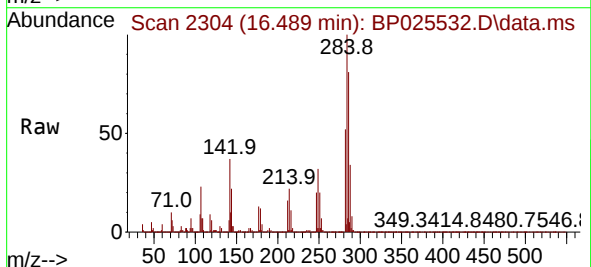
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

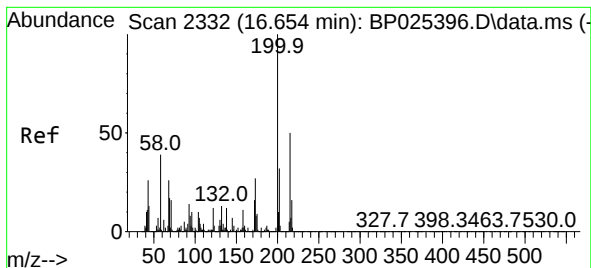
Tgt Ion:248 Resp: 671449  
Ion Ratio Lower Upper  
248 100  
250 97.5 78.2 117.2  
141 80.6 59.6 89.4



#68  
Hexachlorobenzene  
Concen: 44.922 ng  
RT: 16.489 min Scan# 2304  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:284 Resp: 762986  
Ion Ratio Lower Upper  
284 100  
142 36.7 29.1 43.7  
249 31.8 25.0 37.4





#69

Atrazine

Concen: 47.297 ng

RT: 16.660 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA\_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

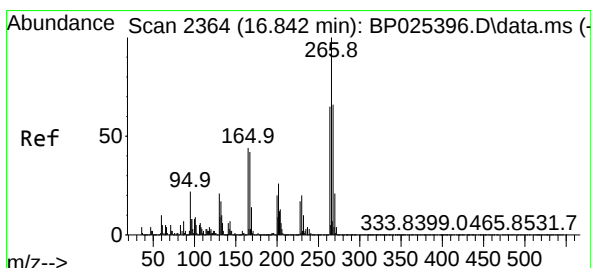
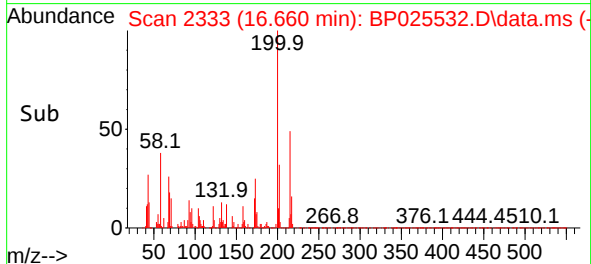
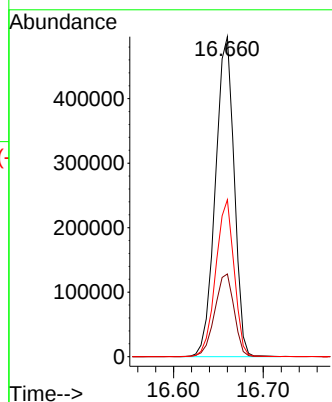
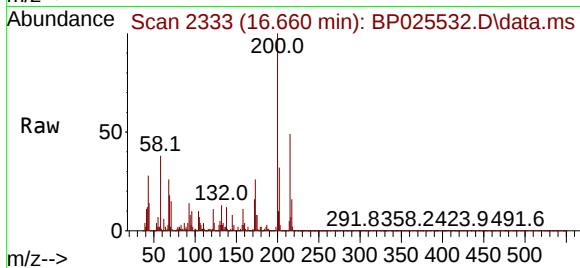
Tgt Ion:200 Resp: 719587

Ion Ratio Lower Upper

200 100

173 25.8 6.7 46.7

215 49.0 29.7 69.7



#70

Pentachlorophenol

Concen: 93.377 ng

RT: 16.842 min Scan# 2364

Delta R.T. 0.000 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

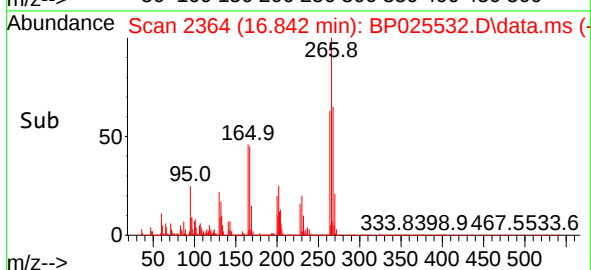
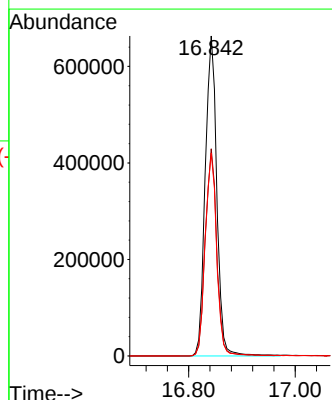
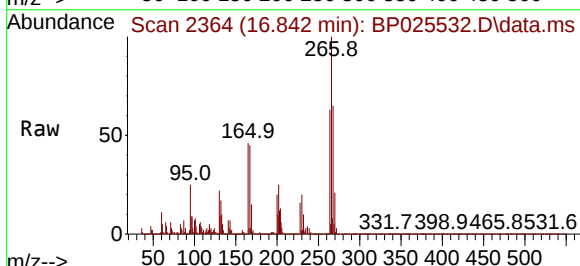
Tgt Ion:266 Resp: 1001156

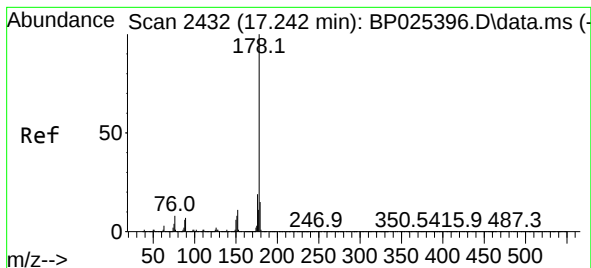
Ion Ratio Lower Upper

266 100

268 64.8 52.6 79.0

264 63.5 52.0 78.0





#71

Phenanthrene

Concen: 44.531 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA\_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

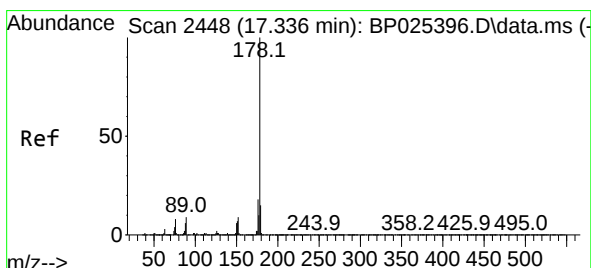
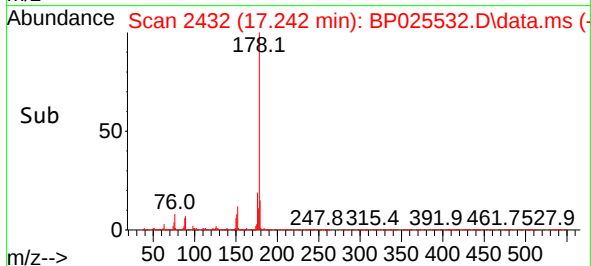
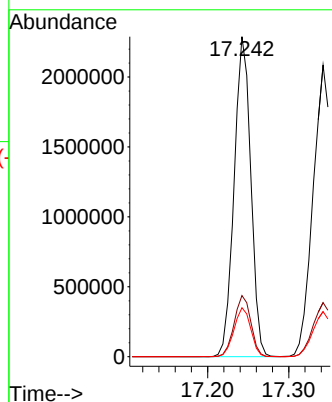
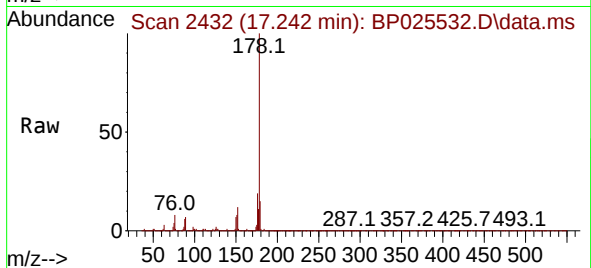
Tgt Ion:178 Resp: 3258945

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.3 12.2 18.4



#72

Anthracene

Concen: 44.787 ng

RT: 17.342 min Scan# 2449

Delta R.T. 0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

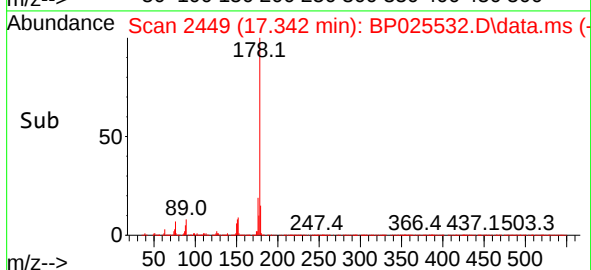
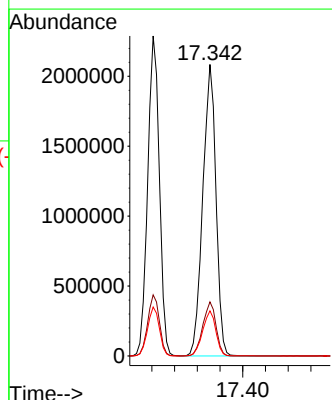
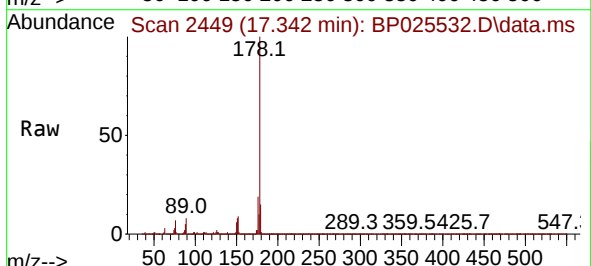
Tgt Ion:178 Resp: 3347193

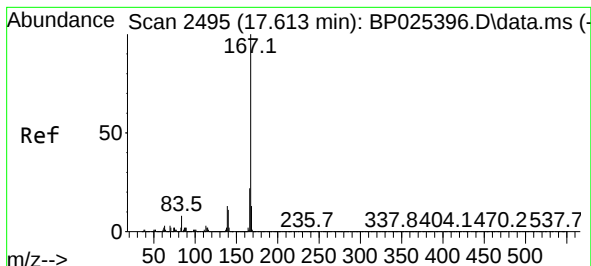
Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

179 15.5 12.2 18.2





#73

Carbazole

Concen: 45.056 ng

RT: 17.613 min Scan# 2495

Delta R.T. 0.000 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA\_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

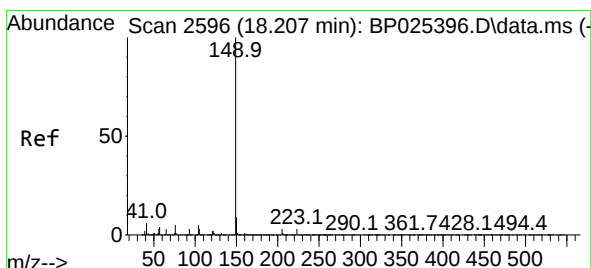
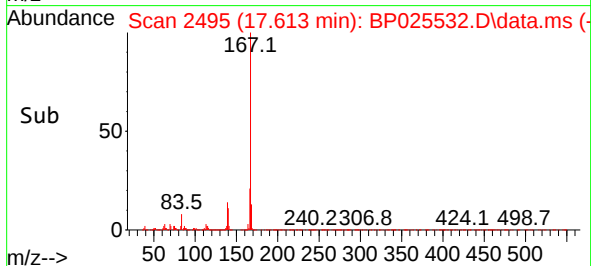
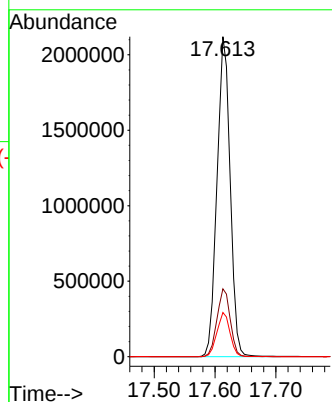
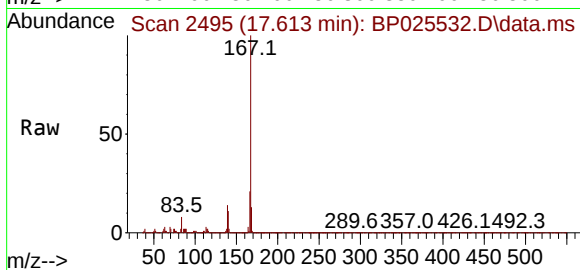
Tgt Ion:167 Resp: 3171702

Ion Ratio Lower Upper

167 100

166 21.2 17.5 26.3

139 13.8 10.6 16.0



#74

Di-n-butylphthalate

Concen: 48.214 ng

RT: 18.207 min Scan# 2596

Delta R.T. 0.000 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

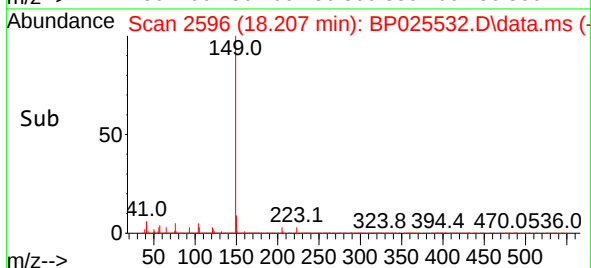
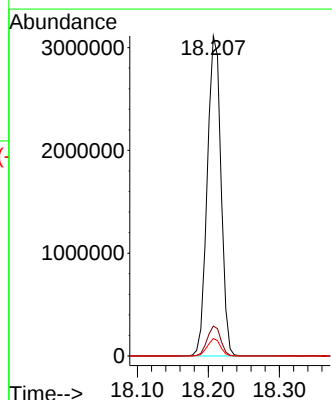
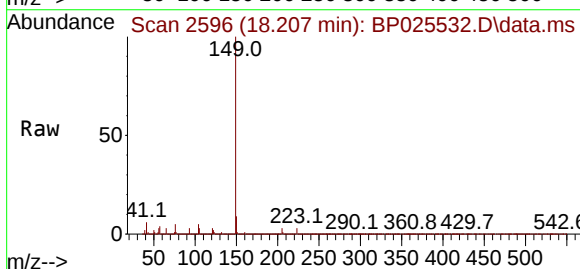
Tgt Ion:149 Resp: 4175739

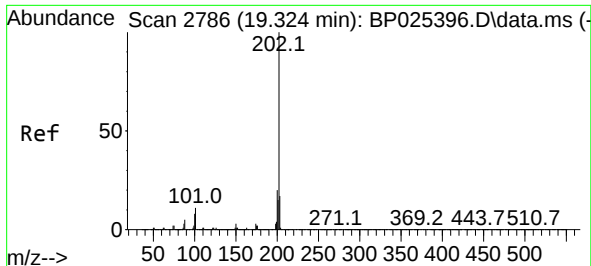
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 5.5 4.2 6.2

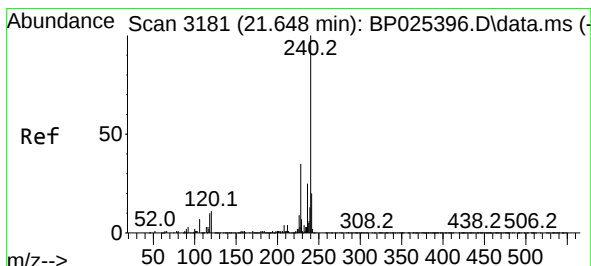
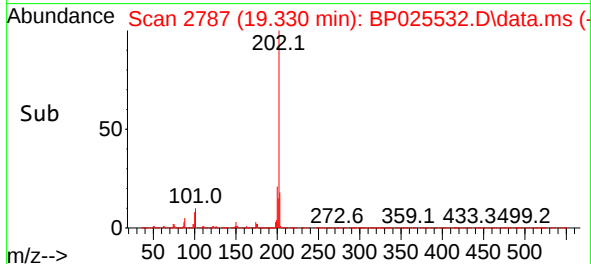
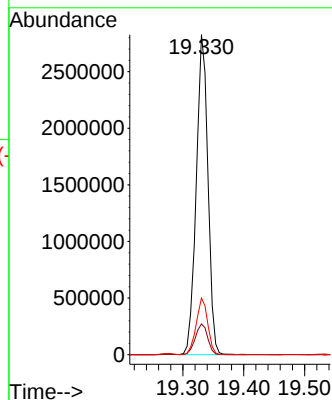
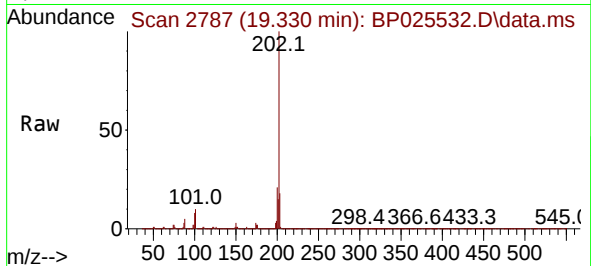




#75  
Fluoranthene  
Concen: 43.092 ng  
RT: 19.330 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

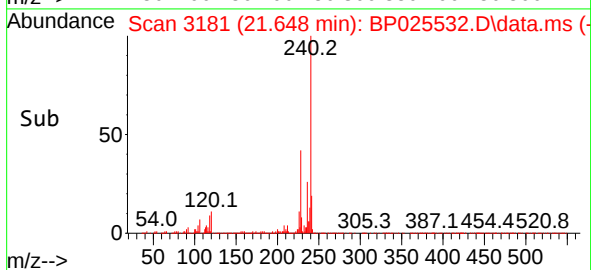
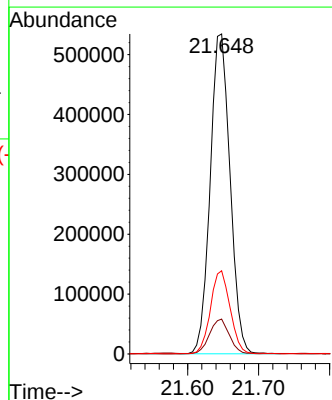
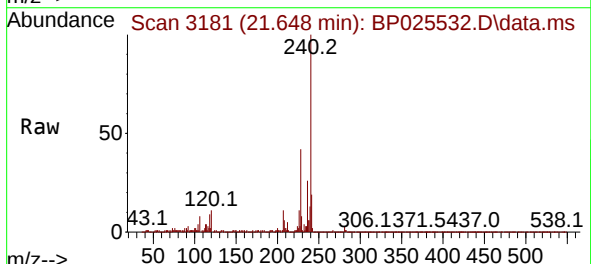
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

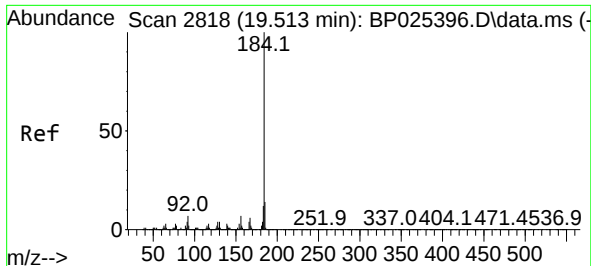
Tgt Ion:202 Resp: 3761730  
Ion Ratio Lower Upper  
202 100  
101 9.6 0.0 31.1  
203 17.7 0.0 37.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.648 min Scan# 3181  
Delta R.T. 0.000 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:240 Resp: 1037300  
Ion Ratio Lower Upper  
240 100  
120 10.9 8.9 13.3  
236 26.0 19.8 29.8

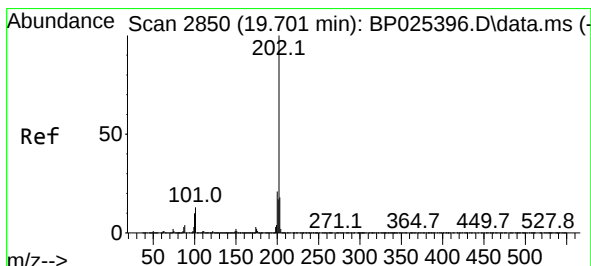
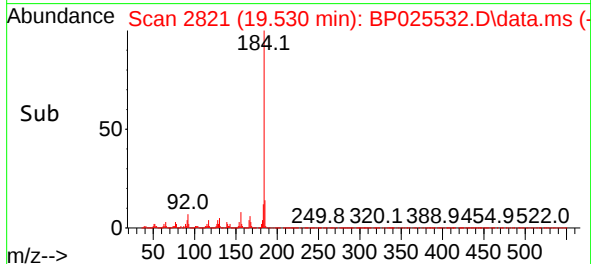
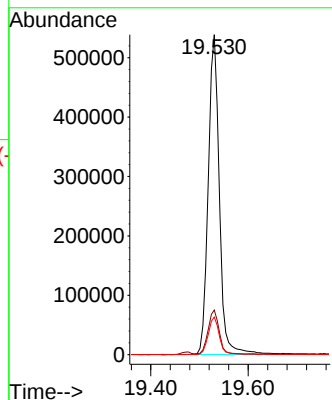
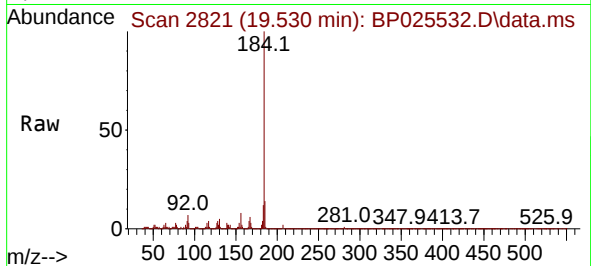




#77  
Benzidine  
Concen: 24.090 ng  
RT: 19.530 min Scan# 2818  
Delta R.T. 0.018 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

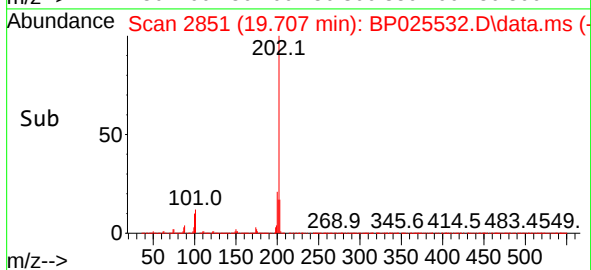
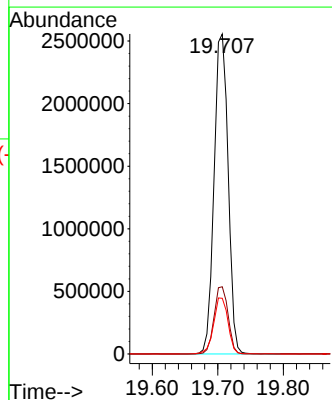
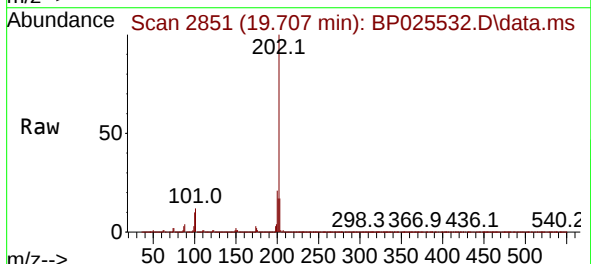
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

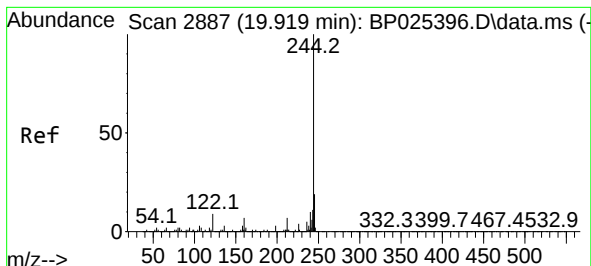
Tgt Ion:184 Resp: 852806  
Ion Ratio Lower Upper  
184 100  
185 14.0 11.5 17.3  
183 11.8 9.4 14.2



#78  
Pyrene  
Concen: 56.264 ng  
RT: 19.707 min Scan# 2851  
Delta R.T. 0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:202 Resp: 3793378  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.9 25.3  
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 63.577 ng

RT: 19.930 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA\_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

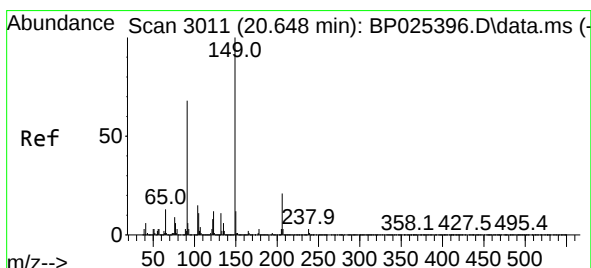
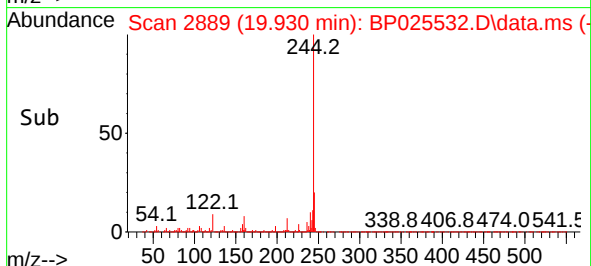
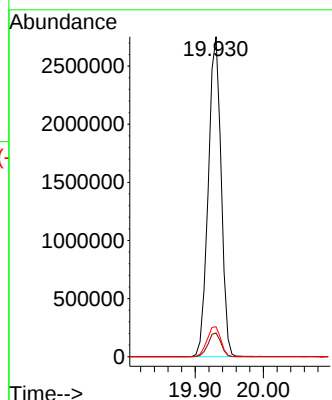
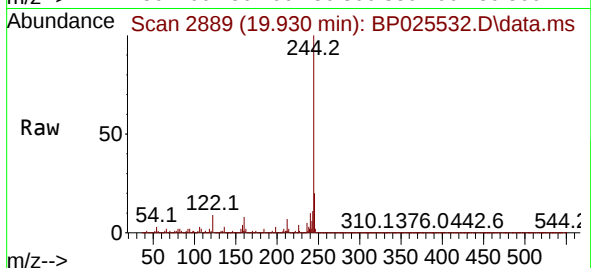
Tgt Ion:244 Resp: 3604576

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 9.4 7.4 11.2



#80

Butylbenzylphthalate

Concen: 56.852 ng

RT: 20.660 min Scan# 3013

Delta R.T. 0.012 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

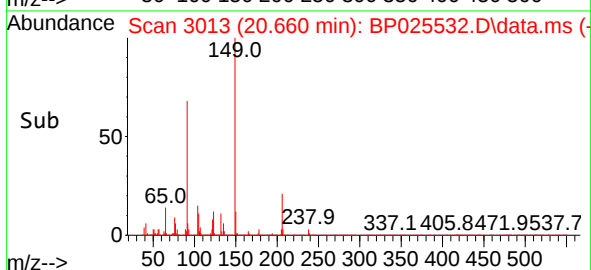
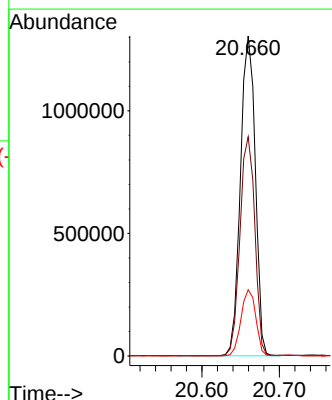
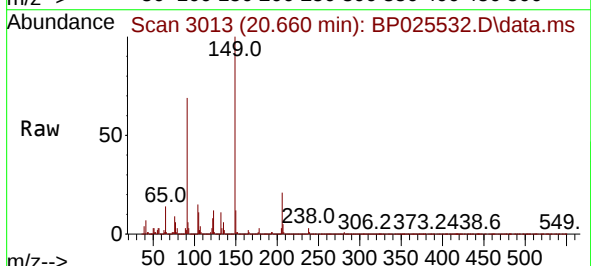
Tgt Ion:149 Resp: 1737167

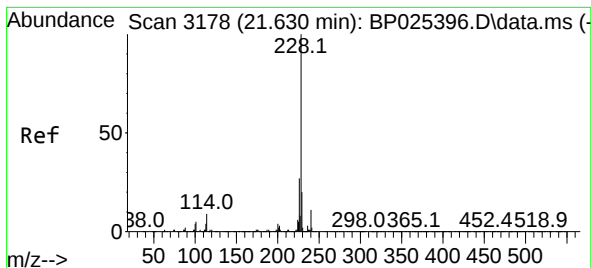
Ion Ratio Lower Upper

149 100

91 68.5 54.2 81.2

206 20.7 16.6 24.8





#81

Benzo(a)anthracene

Concen: 46.956 ng

RT: 21.624 min Scan# 3177

Delta R.T. -0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA\_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

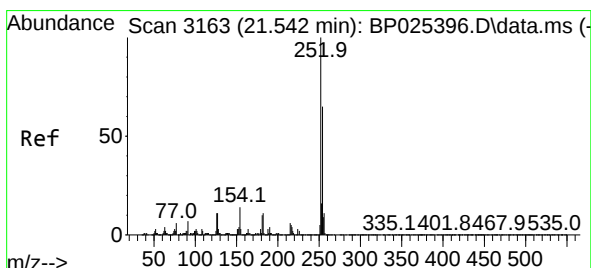
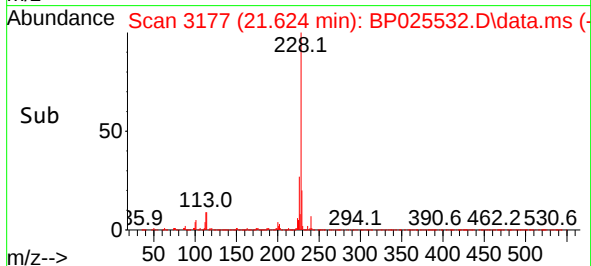
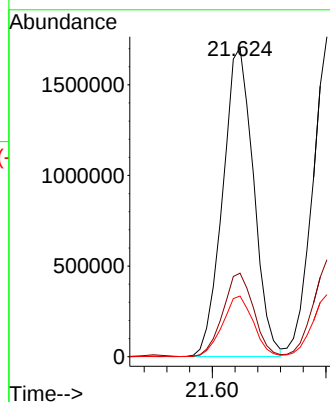
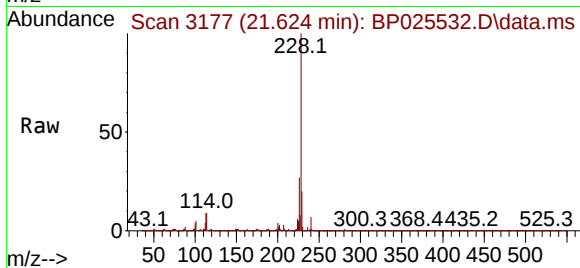
Tgt Ion:228 Resp: 3212247

Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

229 19.6 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 31.275 ng

RT: 21.548 min Scan# 3164

Delta R.T. 0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

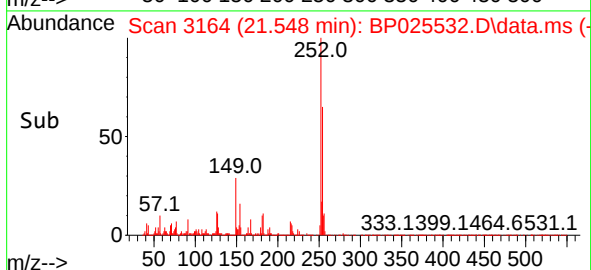
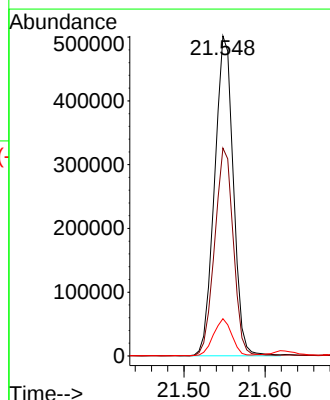
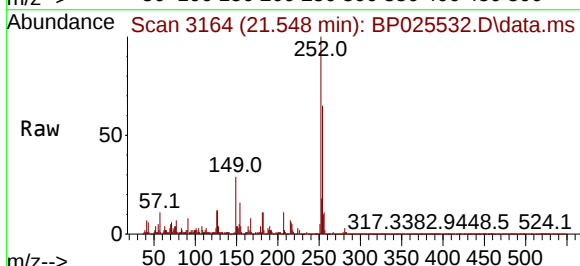
Tgt Ion:252 Resp: 806439

Ion Ratio Lower Upper

252 100

254 65.0 51.8 77.6

126 11.6 9.1 13.7





#83

Chrysene

Concen: 47.193 ng

RT: 21.701 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA\_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

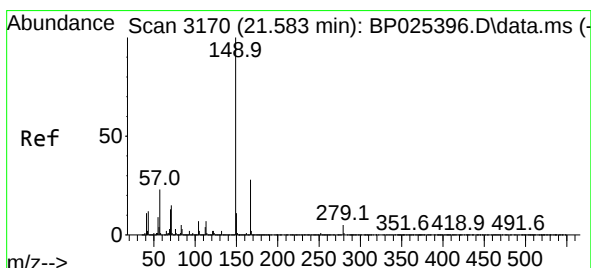
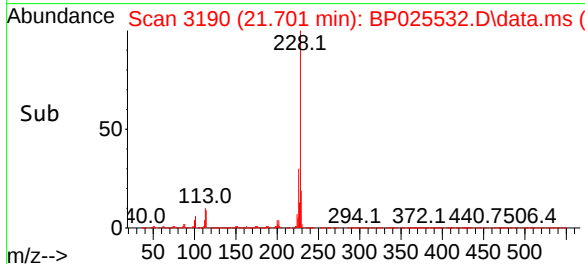
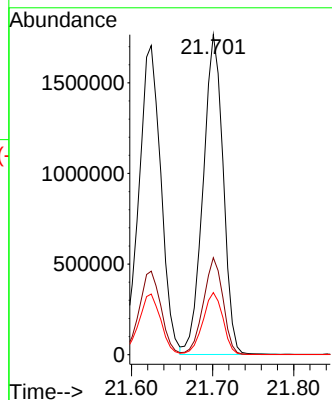
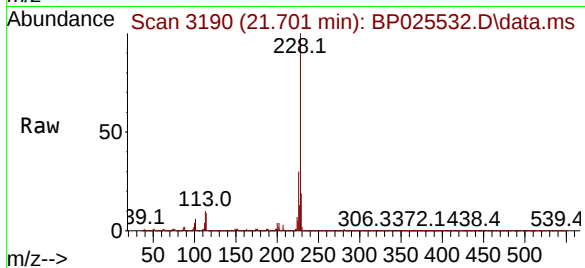
Tgt Ion:228 Resp: 3023496

Ion Ratio Lower Upper

228 100

226 30.3 23.2 34.8

229 19.4 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.602 ng

RT: 21.571 min Scan# 3168

Delta R.T. -0.012 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

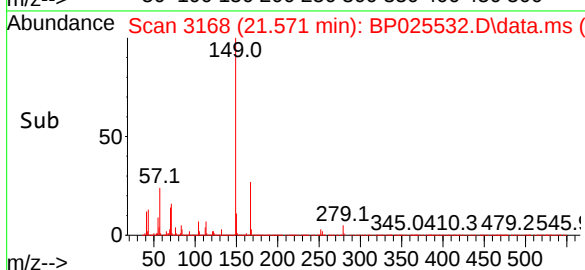
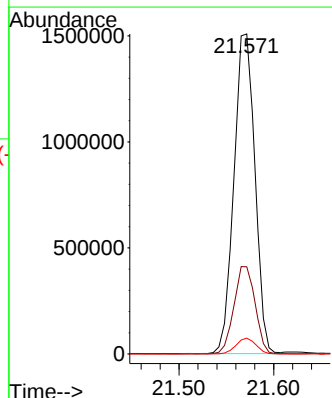
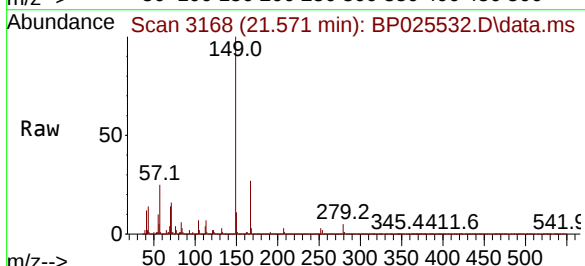
Tgt Ion:149 Resp: 2321078

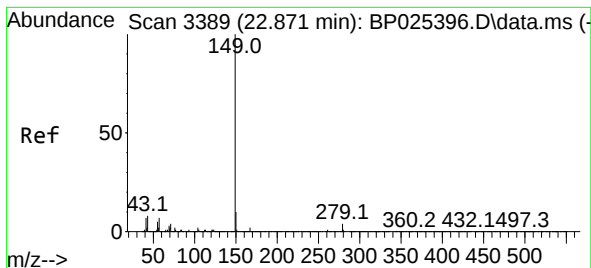
Ion Ratio Lower Upper

149 100

167 27.3 22.1 33.1

279 4.9 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 45.216 ng

RT: 22.854 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA\_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

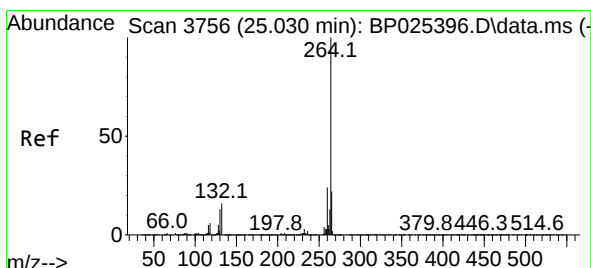
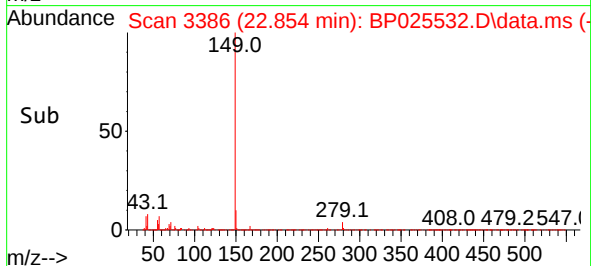
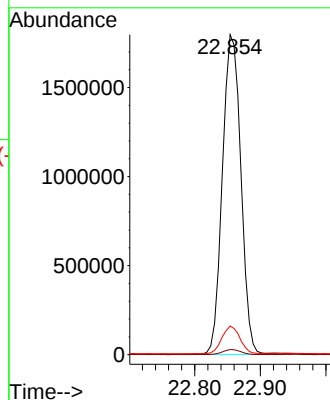
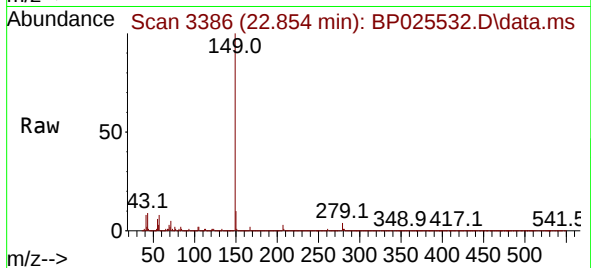
Tgt Ion:149 Resp: 3498238

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.4 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.007 min Scan# 3752

Delta R.T. -0.023 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

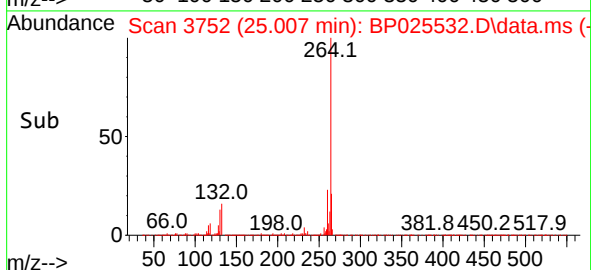
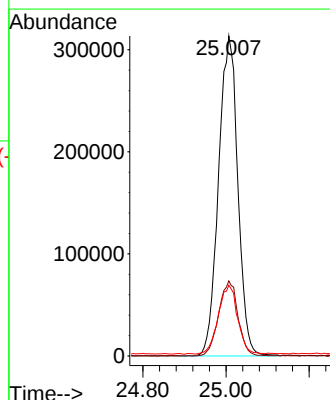
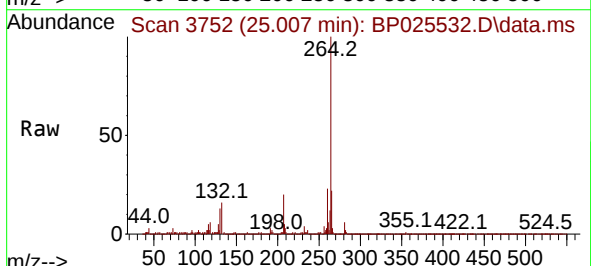
Tgt Ion:264 Resp: 1008580

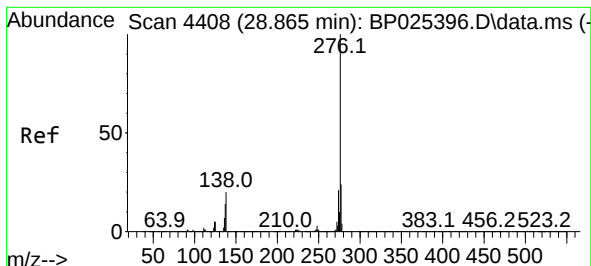
Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

265 22.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.981 ng

RT: 28.842 min Scan# 4404

Delta R.T. -0.023 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA\_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

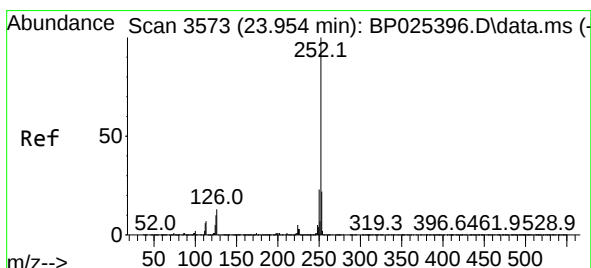
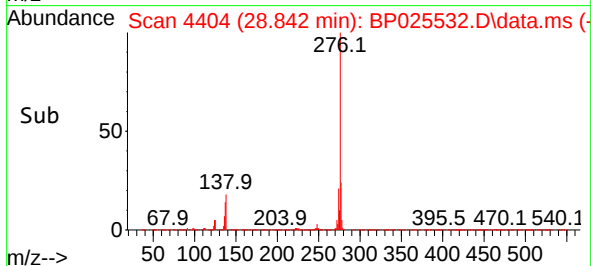
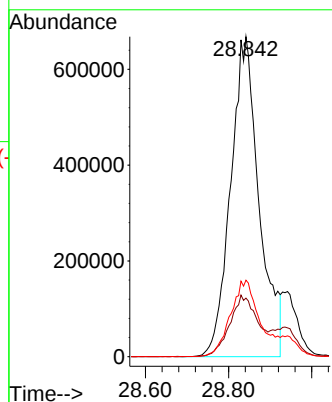
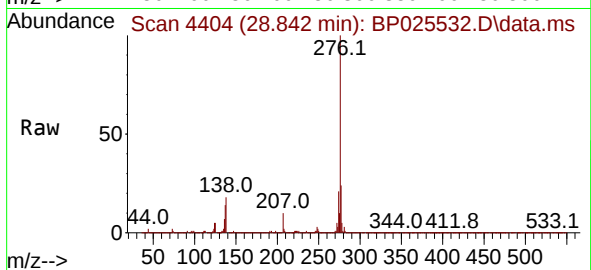
Tgt Ion:276 Resp: 3179136

Ion Ratio Lower Upper

276 100

138 18.8 12.9 19.3

277 24.9 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 47.236 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

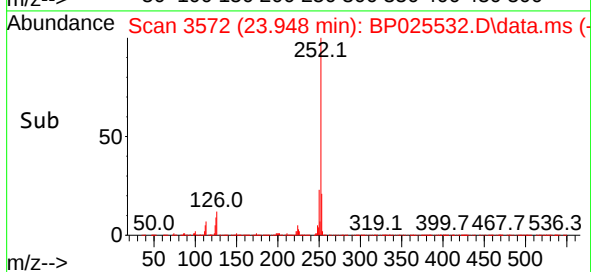
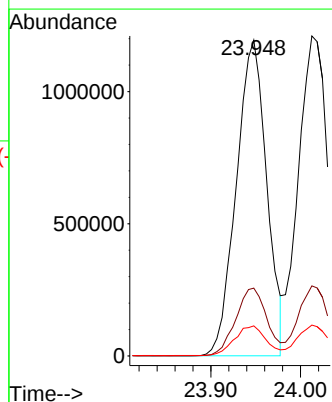
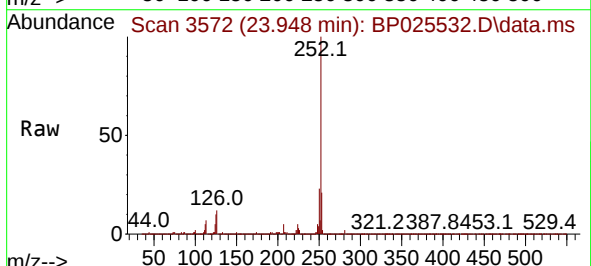
Tgt Ion:252 Resp: 2809285

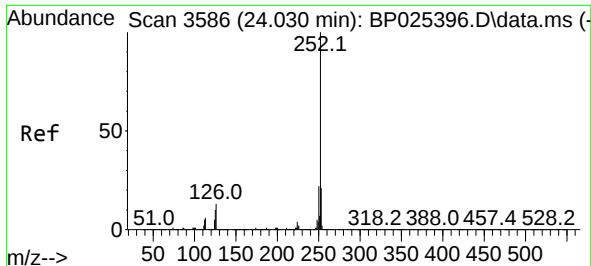
Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 9.5 7.9 11.9

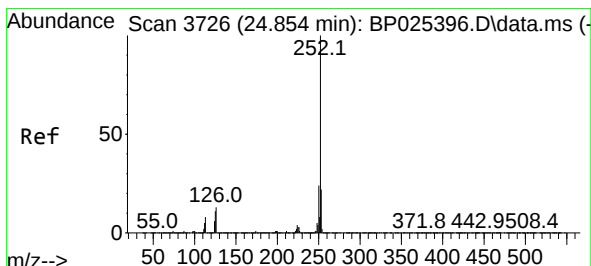
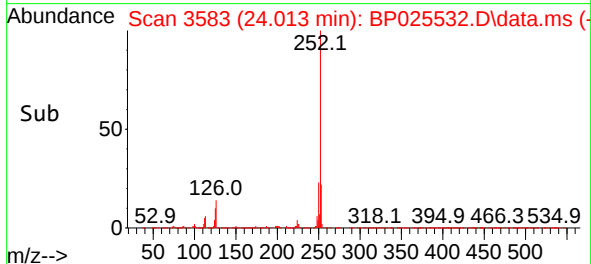
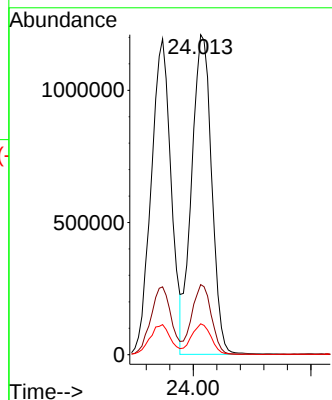
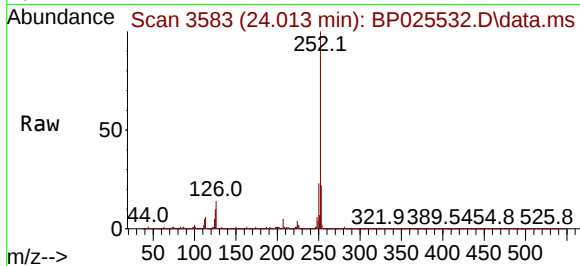




#89  
Benzo(k)fluoranthene  
Concen: 47.821 ng  
RT: 24.013 min Scan# 31  
Delta R.T. -0.018 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

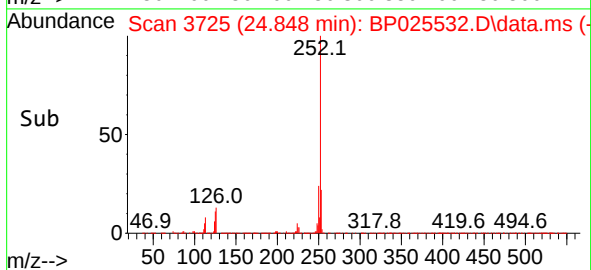
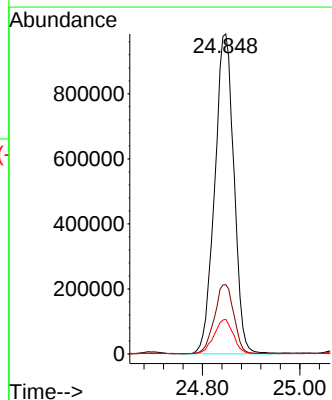
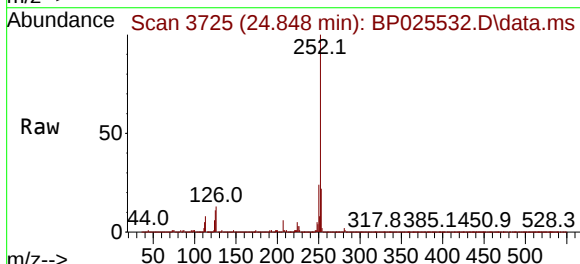
Instrument :  
BNA\_P  
ClientSampleId :  
DRILL CUTTING 1-3 COMPMS

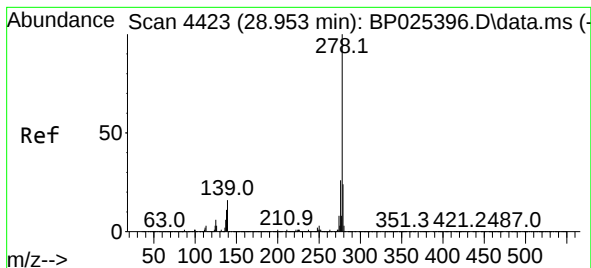
Tgt Ion:252 Resp: 2845986  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.1 25.7  
125 9.6 7.8 11.6



#90  
Benzo(a)pyrene  
Concen: 46.460 ng  
RT: 24.848 min Scan# 3725  
Delta R.T. -0.006 min  
Lab File: BP025532.D  
Acq: 21 Aug 2025 09:25

Tgt Ion:252 Resp: 2689694  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.5 26.3  
125 10.8 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 48.065 ng

RT: 28.942 min Scan# 4421

Delta R.T. -0.012 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Instrument :

BNA\_P

ClientSampleId :

DRILL CUTTING 1-3 COMPMS

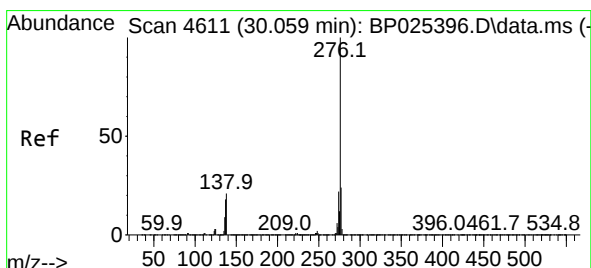
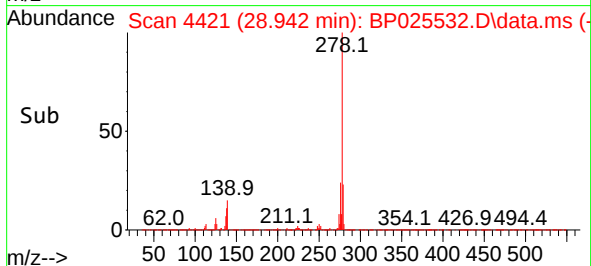
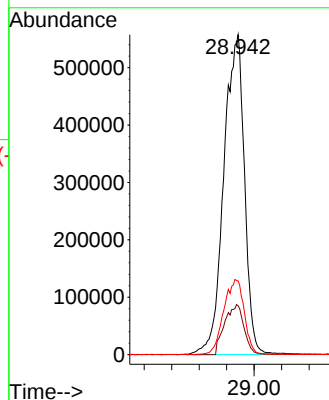
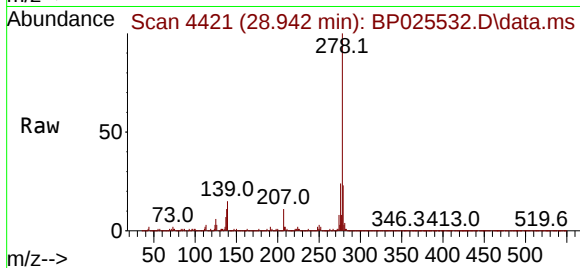
Tgt Ion:278 Resp: 2905291

Ion Ratio Lower Upper

278 100

139 15.3 13.0 19.4

279 23.1 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 48.577 ng

RT: 30.030 min Scan# 4606

Delta R.T. -0.029 min

Lab File: BP025532.D

Acq: 21 Aug 2025 09:25

Tgt Ion:276 Resp: 2886256

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.0

138 20.4 16.7 25.1

