

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041825\  
 Data File : BP024339.D  
 Acq On : 18 Apr 2025 12:35  
 Operator : RC/JU  
 Sample : PB167625BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB167625BS

Quant Time: Apr 18 13:06:02 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 18 12:04:48 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.728  | 152  | 270101   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.504 | 136  | 1100496  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.351 | 164  | 654722   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.145 | 188  | 1166735  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.586 | 240  | 1153642  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.939 | 264  | 1393018  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.346  | 112  | 2143837  | 131.238 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.916  | 99   | 2697181  | 120.582 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.881  | 82   | 1626249  | 84.263  | ng    | 0.01     |
| 42) 2,4,6-Tribromophenol      | 15.869 | 330  | 1142714  | 126.149 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.969 | 172  | 3630113  | 84.893  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.875 | 244  | 5121941  | 89.490  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.293  | 88   | 247148   | 35.769  | ng    | 98       |
| 3) Pyridine                   | 3.681  | 79   | 642094   | 35.192  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.593  | 42   | 262230   | 43.306  | ng    | 95       |
| 6) Aniline                    | 7.069  | 93   | 663322   | 33.186  | ng    | 100      |
| 8) 2-Chlorophenol             | 7.305  | 128  | 836775   | 45.880  | ng    | 100      |
| 9) Benzaldehyde               | 6.881  | 77   | 396903   | 35.871  | ng    | 97       |
| 10) Phenol                    | 6.946  | 94   | 1016405  | 45.298  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.158  | 93   | 777700   | 43.017  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.622  | 146  | 850994   | 43.341  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.763  | 146  | 868621   | 43.601  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.075  | 146  | 838022   | 43.563  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.969  | 79   | 649826   | 44.923  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.246  | 45   | 864900   | 44.260  | ng    | 99       |
| 17) 2-Methylphenol            | 8.175  | 107  | 686554   | 47.298  | ng    | 99       |
| 18) Hexachloroethane          | 8.799  | 117  | 329356   | 45.746  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.528  | 70   | 569870   | 41.181  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.499  | 107  | 917423   | 45.550  | ng    | 99       |
| 22) Acetophenone              | 8.546  | 105  | 1161884  | 42.657  | ng    | 99       |
| 24) Nitrobenzene              | 8.922  | 77   | 834746   | 43.721  | ng    | 99       |
| 25) Isophorone                | 9.446  | 82   | 1569529  | 44.929  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.622  | 139  | 433832   | 46.432  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.687  | 122  | 748273   | 63.782  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.916  | 93   | 1021916  | 43.303  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.157 | 162  | 736083   | 46.016  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.369 | 180  | 753794   | 43.982  | ng    | 99       |
| 31) Naphthalene               | 10.551 | 128  | 2413153  | 41.628  | ng    | 99       |
| 32) Benzoic acid              | 9.834  | 122  | 497059   | 36.361  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.675 | 127  | 318013   | 15.578  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.840 | 225  | 456730   | 45.350  | ng    | 99       |
| 35) Caprolactam               | 11.457 | 113  | 235875   | 39.963  | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 11.798 | 107  | 800377   | 42.957  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.163 | 142  | 1516705  | 37.726  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.381 | 142  | 1595366  | 40.564  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.534 | 216  | 822938   | 45.706  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.516 | 237  | 1227070  | 192.697 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.775 | 196  | 574741   | 48.012  | ng    | 98       |

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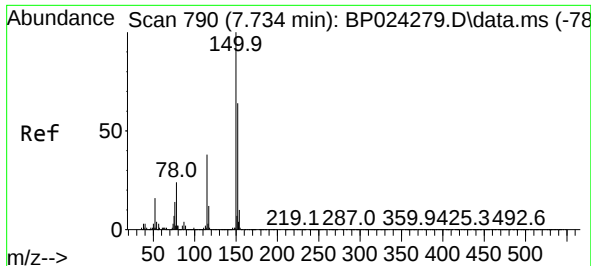
Quant Time: Apr 18 13:06:02 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.851 | 196  | 623380   | 47.026  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.181 | 154  | 2107178  | 43.785  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.222 | 162  | 1622564  | 45.111  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.422 | 65   | 472428   | 46.825  | ng    | 96       |
| 49) Acenaphthylene            | 14.069 | 152  | 2689385  | 47.491  | ng    | 100      |
| 50) Dimethylphthalate         | 13.804 | 163  | 1994238  | 41.885  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.928 | 165  | 446783   | 44.190  | ng    | 99       |
| 52) Acenaphthene              | 14.416 | 154  | 1525613  | 42.495  | ng    | 100      |
| 53) 3-Nitroaniline            | 14.263 | 138  | 407138   | 38.315  | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 14.469 | 184  | 556165   | 93.387  | ng    | 97       |
| 55) Dibenzofuran              | 14.757 | 168  | 2410517  | 41.077  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.587 | 139  | 813407   | 88.632  | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 14.722 | 165  | 618401   | 44.838  | ng    | 97       |
| 58) Fluorene                  | 15.410 | 166  | 1943368  | 42.779  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.992 | 232  | 531925   | 43.507  | ng    | 99       |
| 60) Diethylphthalate          | 15.187 | 149  | 2036418  | 41.504  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.410 | 204  | 949520   | 43.042  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.445 | 138  | 488998   | 43.470  | ng    | 97       |
| 63) Azobenzene                | 15.710 | 77   | 1873779  | 41.550  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.498 | 198  | 345493   | 46.969  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 15.628 | 169  | 1652360  | 47.448  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.322 | 248  | 613342   | 48.066  | ng    | 99       |
| 68) Hexachlorobenzene         | 16.439 | 284  | 738312   | 48.692  | ng    | 98       |
| 69) Atrazine                  | 16.610 | 200  | 557700   | 62.879  | ng    | 99       |
| 70) Pentachlorophenol         | 16.792 | 266  | 997488   | 94.298  | ng    | 99       |
| 71) Phenanthrene              | 17.186 | 178  | 2869809  | 45.088  | ng    | 100      |
| 72) Anthracene                | 17.286 | 178  | 2948832  | 48.070  | ng    | 99       |
| 73) Carbazole                 | 17.563 | 167  | 2711947  | 45.246  | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.157 | 149  | 3413441  | 45.711  | ng    | 100      |
| 75) Fluoranthene              | 19.275 | 202  | 3232449  | 42.701  | ng    | 99       |
| 77) Benzidine                 | 19.475 | 184  | 1622177  | 110.930 | ng    | 99       |
| 78) Pyrene                    | 19.651 | 202  | 3326485  | 45.372  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.604 | 149  | 1530954  | 48.752  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.569 | 228  | 3331673  | 46.463  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.492 | 252  | 789098   | 31.353  | ng    | 100      |
| 83) Chrysene                  | 21.639 | 228  | 3168712  | 46.126  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.510 | 149  | 2282241  | 49.576  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.780 | 149  | 3899293  | 52.102  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.715 | 276  | 4674044  | 48.331  | ng    | 94       |
| 88) Benzo(b)fluoranthene      | 23.874 | 252  | 3602298  | 43.142  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.945 | 252  | 3648268  | 45.233  | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.780 | 252  | 3544769  | 49.215  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.809 | 278  | 3826153  | 47.665  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.903 | 276  | 3742703  | 45.808  | ng    | 99       |

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

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QLast Update : Fri Apr 18 12:04:48 2025  
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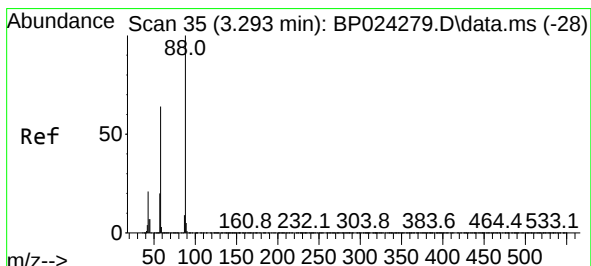
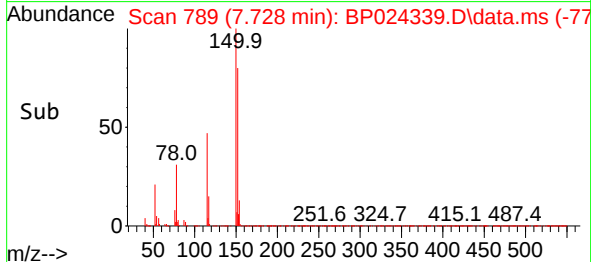
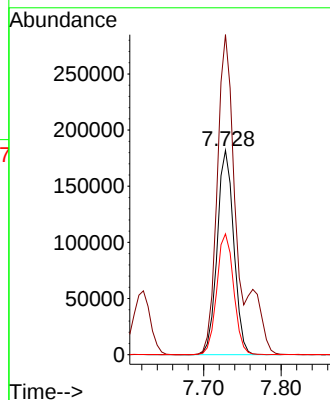
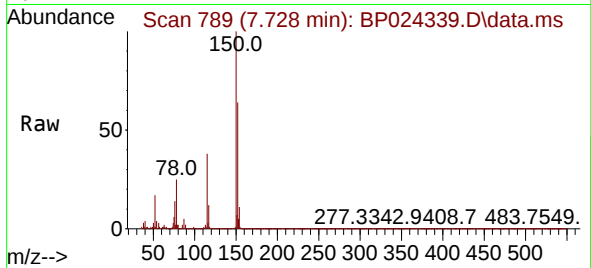




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.728 min Scan# 71  
 Delta R.T. 0.006 min  
 Lab File: BP024339.D  
 Acq: 18 Apr 2025 12:35

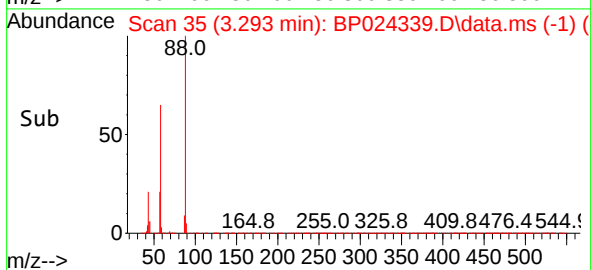
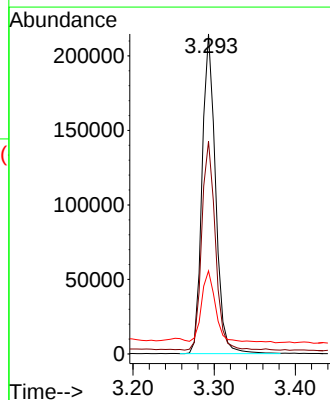
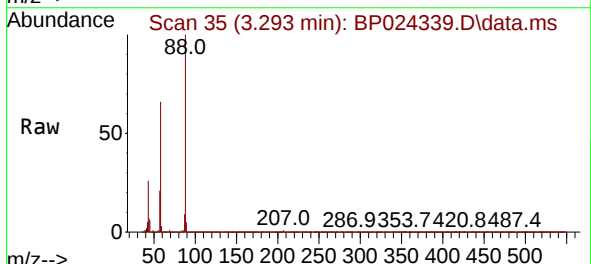
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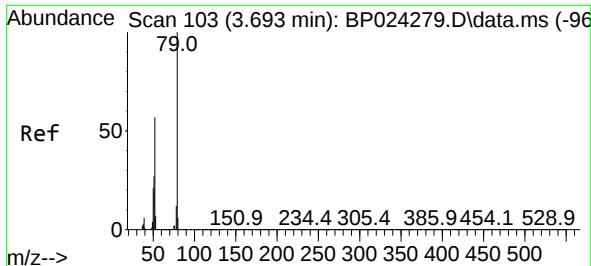
Tgt Ion:152 Resp: 270101  
 Ion Ratio Lower Upper  
 152 100  
 150 156.6 124.9 187.3  
 115 59.1 47.7 71.5



#2  
 1,4-Dioxane  
 Concen: 35.769 ng  
 RT: 3.293 min Scan# 35  
 Delta R.T. 0.006 min  
 Lab File: BP024339.D  
 Acq: 18 Apr 2025 12:35

Tgt Ion: 88 Resp: 247148  
 Ion Ratio Lower Upper  
 88 100  
 58 65.8 51.4 77.2  
 43 22.2 17.1 25.7

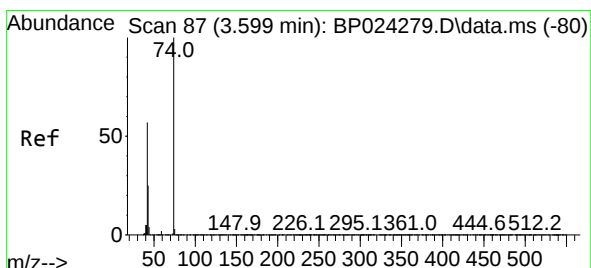
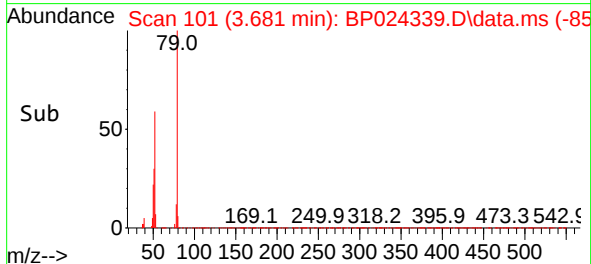
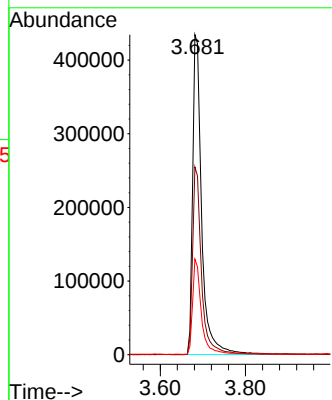
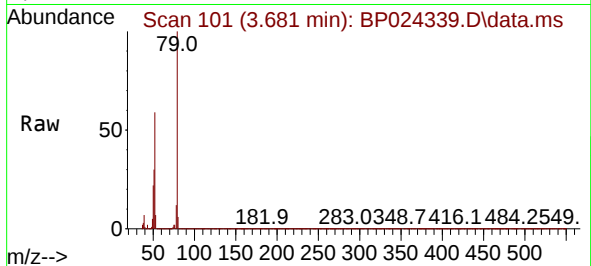




#3  
Pyridine  
Concen: 35.192 ng  
RT: 3.681 min Scan# 101  
Delta R.T. -0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

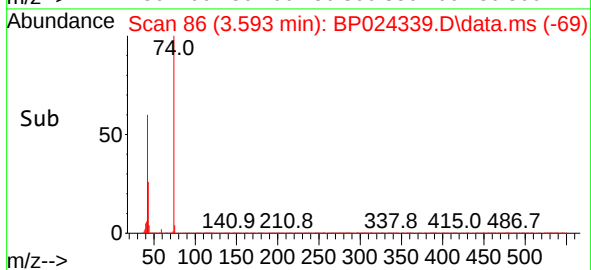
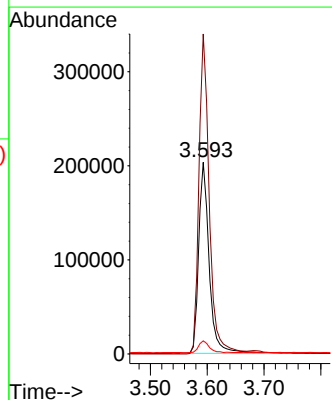
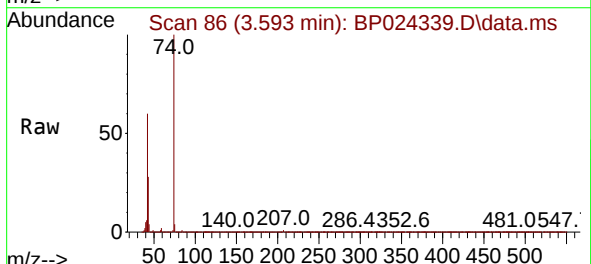
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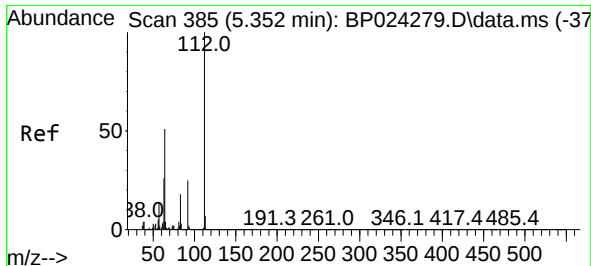
Tgt Ion: 79 Resp: 642094  
Ion Ratio Lower Upper  
79 100  
52 58.7 45.4 68.2  
51 29.8 22.6 33.8



#4  
n-Nitrosodimethylamine  
Concen: 43.306 ng  
RT: 3.593 min Scan# 86  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion: 42 Resp: 262230  
Ion Ratio Lower Upper  
42 100  
74 167.0 139.5 209.3  
44 6.9 5.8 8.8

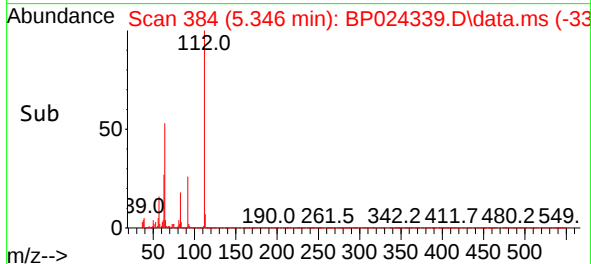
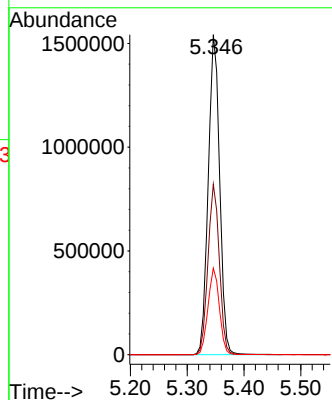
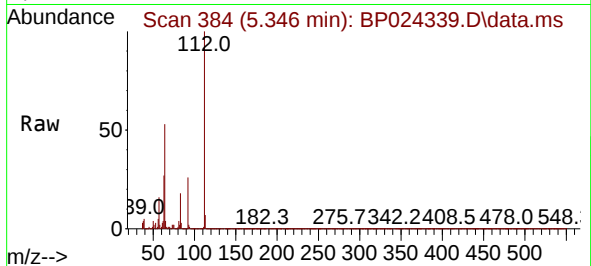




#5  
2-Fluorophenol  
Concen: 131.238 ng  
RT: 5.346 min Scan# 385  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
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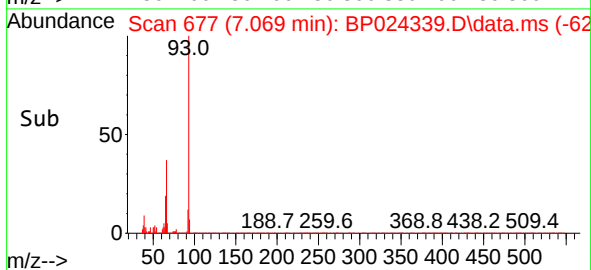
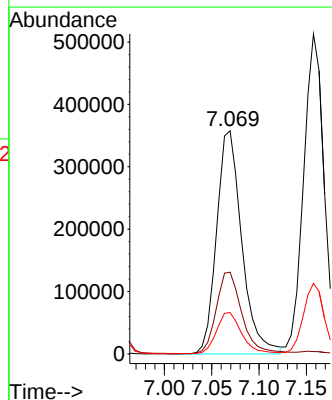
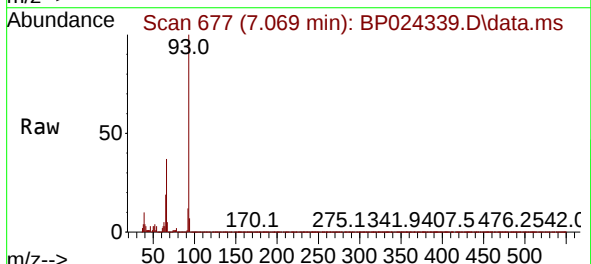
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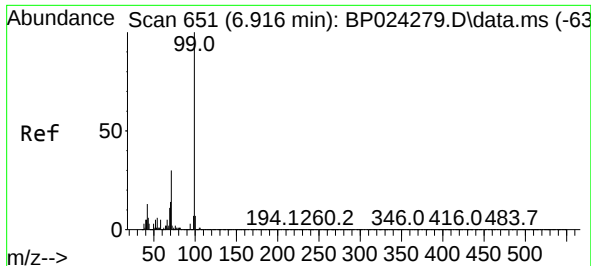
Tgt Ion:112 Resp: 2143837  
Ion Ratio Lower Upper  
112 100  
64 53.2 41.1 61.7  
63 27.1 20.6 30.8



#6  
Aniline  
Concen: 33.186 ng  
RT: 7.069 min Scan# 677  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion: 93 Resp: 663322  
Ion Ratio Lower Upper  
93 100  
66 36.7 29.1 43.7  
65 18.6 14.7 22.1





#7

Phenol-d6

Concen: 120.582 ng

RT: 6.916 min Scan# 651

Delta R.T. 0.006 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

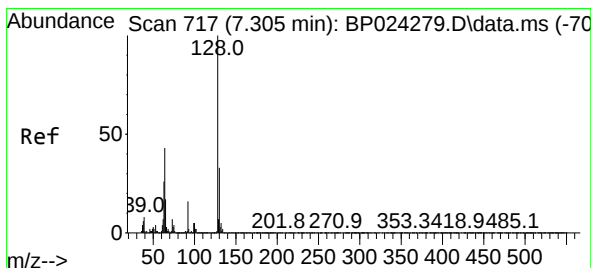
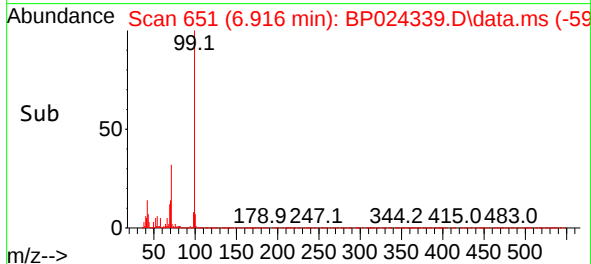
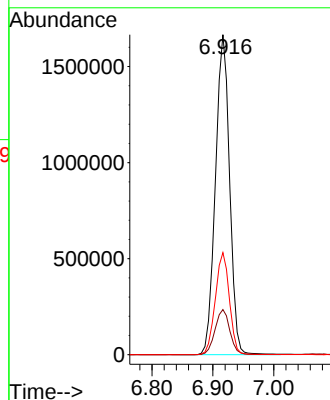
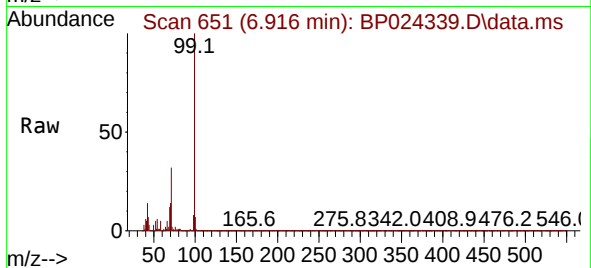
BNA\_P

ClientSampleId :

PB167625BS

Tgt Ion: 99 Resp: 2697181

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.1  | 10.6  | 16.0  |
| 71  | 31.9  | 23.7  | 35.5  |



#8

2-Chlorophenol

Concen: 45.880 ng

RT: 7.305 min Scan# 717

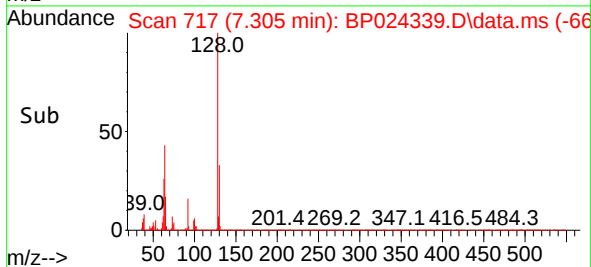
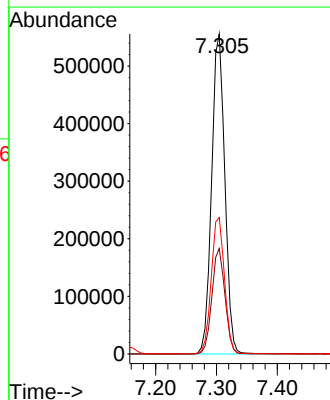
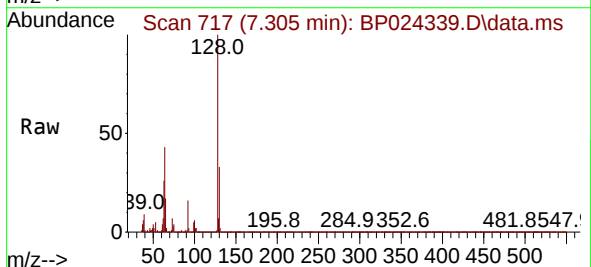
Delta R.T. 0.006 min

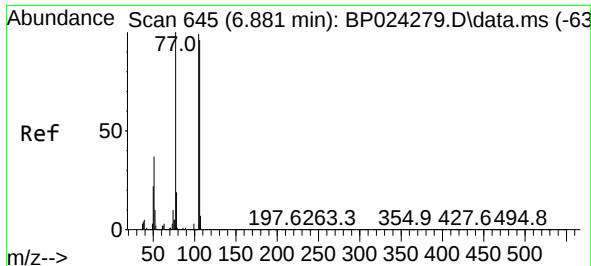
Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Tgt Ion: 128 Resp: 836775

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.0  | 12.9  | 52.9  |
| 64  | 42.7  | 22.7  | 62.7  |

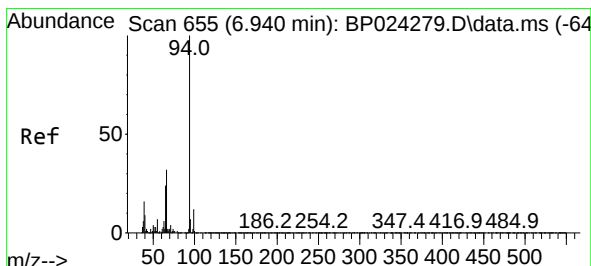
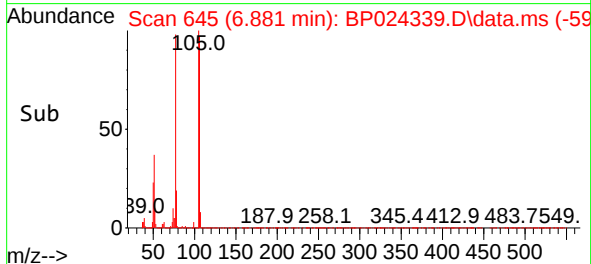
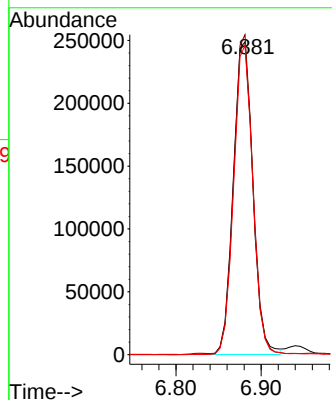
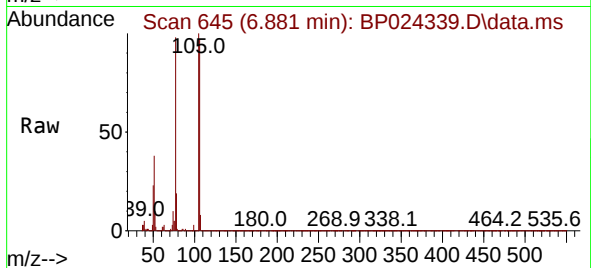




#9  
Benzaldehyde  
Concen: 35.871 ng  
RT: 6.881 min Scan# 645  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

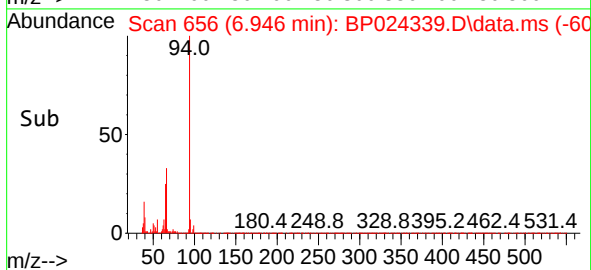
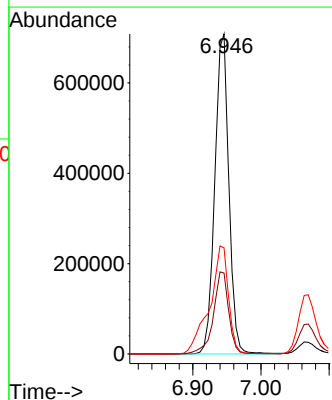
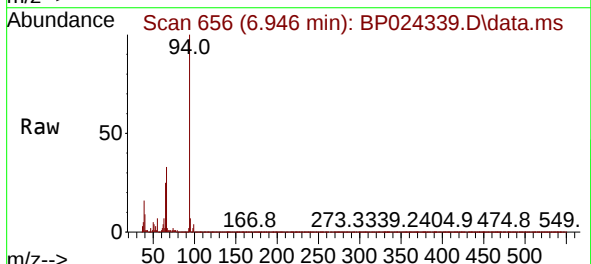
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

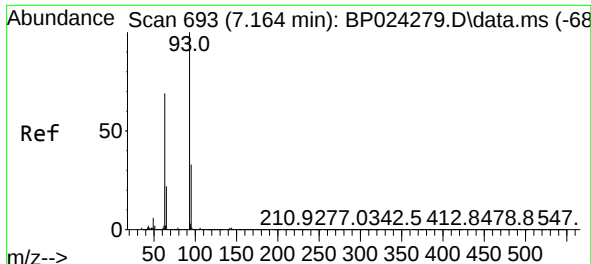
Tgt Ion: 77 Resp: 396903  
Ion Ratio Lower Upper  
77 100  
105 102.3 79.2 119.2  
106 98.9 76.2 116.2



#10  
Phenol  
Concen: 45.298 ng  
RT: 6.946 min Scan# 656  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion: 94 Resp: 1016405  
Ion Ratio Lower Upper  
94 100  
65 25.3 4.5 44.5  
66 33.2 12.4 52.4

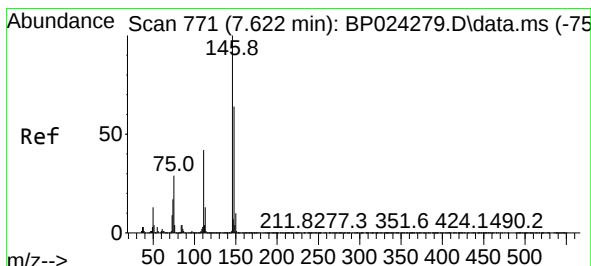
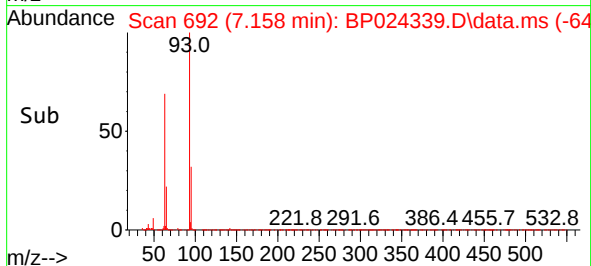
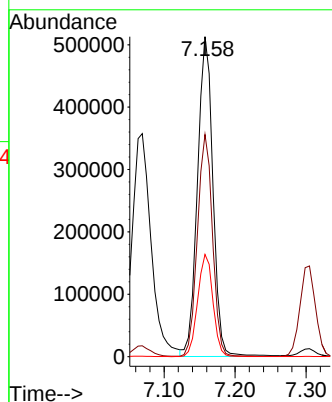
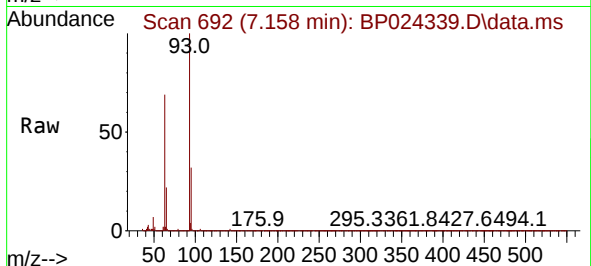




#11  
bis(2-Chloroethyl)ether  
Concen: 43.017 ng  
RT: 7.158 min Scan# 692  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

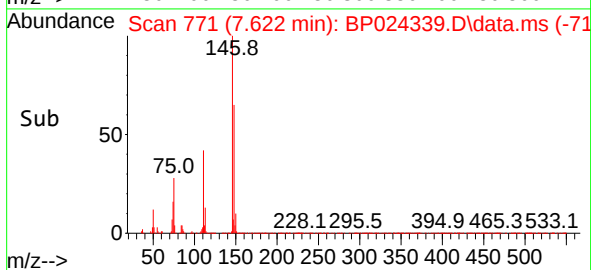
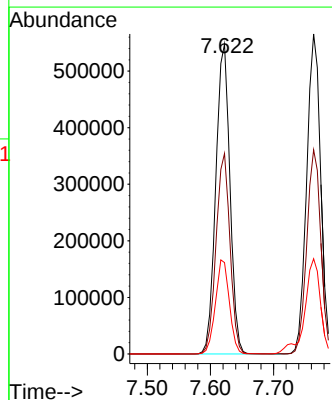
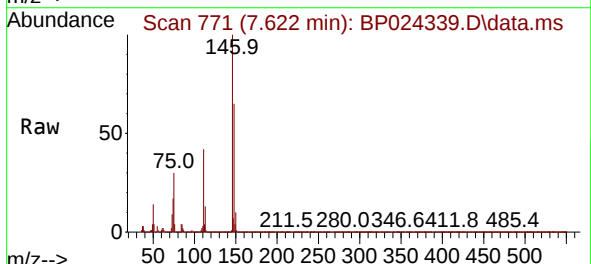
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

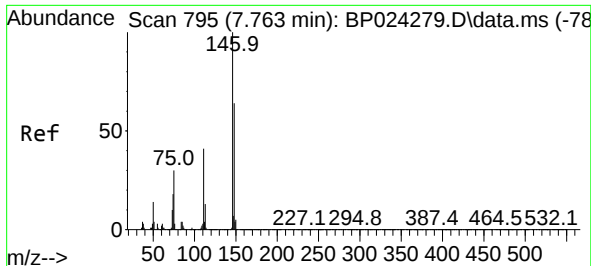
Tgt Ion: 93 Resp: 777700  
Ion Ratio Lower Upper  
93 100  
63 69.5 48.6 88.6  
95 31.9 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 43.341 ng  
RT: 7.622 min Scan# 771  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:146 Resp: 850994  
Ion Ratio Lower Upper  
146 100  
148 64.7 51.4 77.0  
75 29.5 22.9 34.3

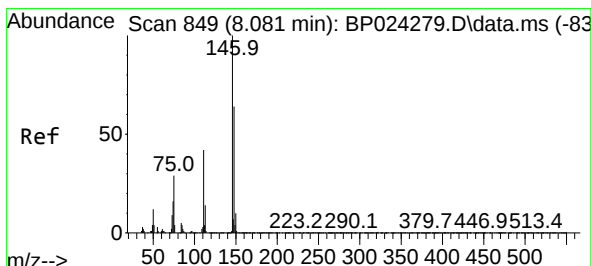
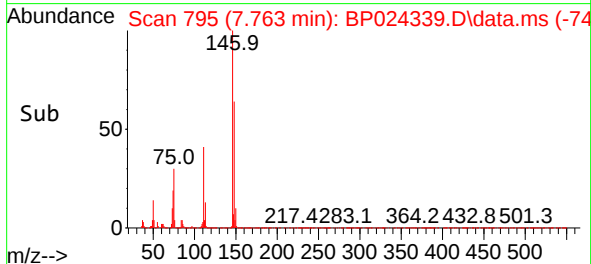
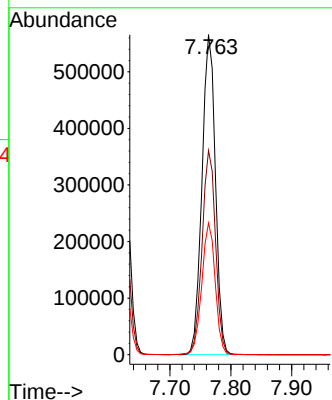
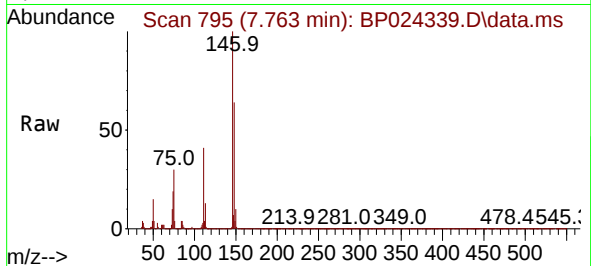




#13  
1,4-Dichlorobenzene  
Concen: 43.601 ng  
RT: 7.763 min Scan# 795  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

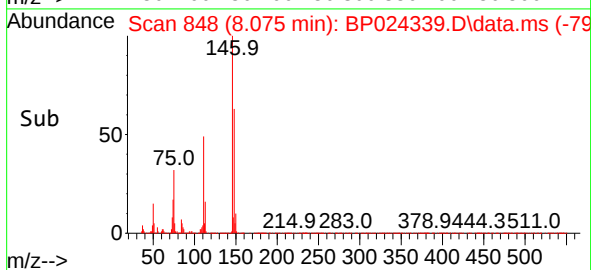
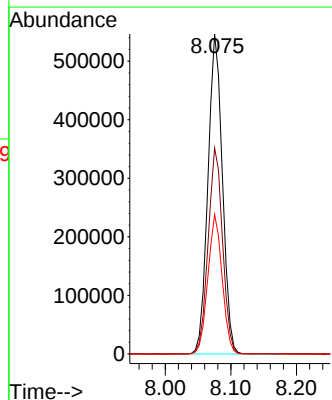
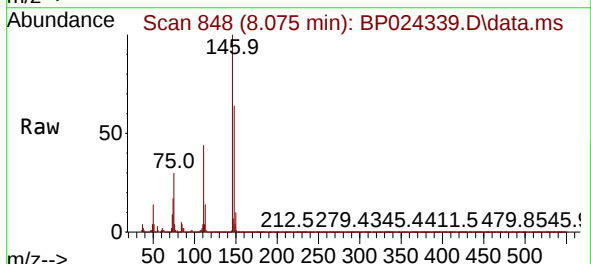
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

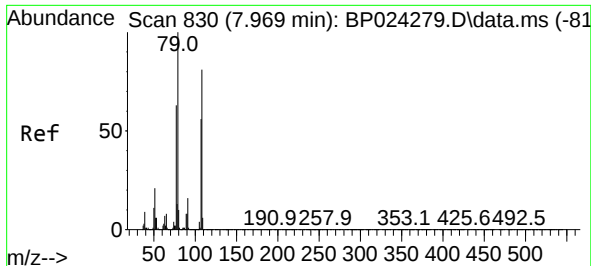
Tgt Ion:146 Resp: 868621  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.1 76.7  
111 41.1 32.6 48.8



#14  
1,2-Dichlorobenzene  
Concen: 43.563 ng  
RT: 8.075 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:146 Resp: 838022  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.0 76.4  
111 43.6 33.8 50.8

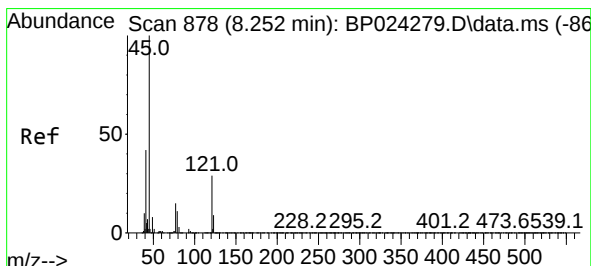
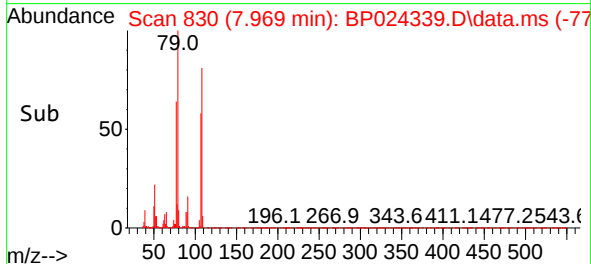
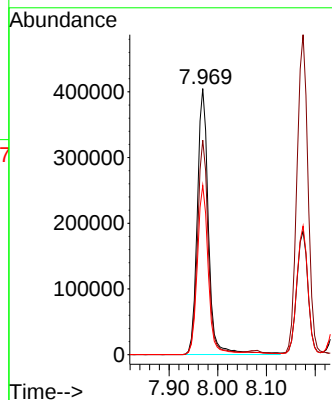
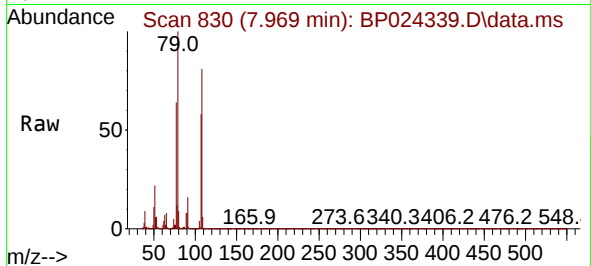




#15  
Benzyl Alcohol  
Concen: 44.923 ng  
RT: 7.969 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

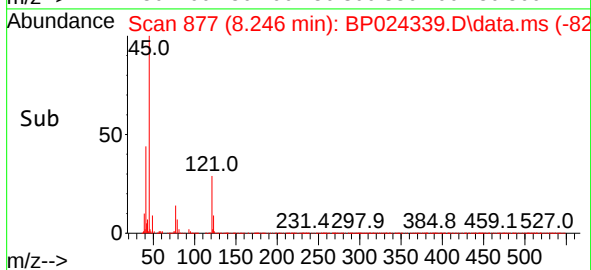
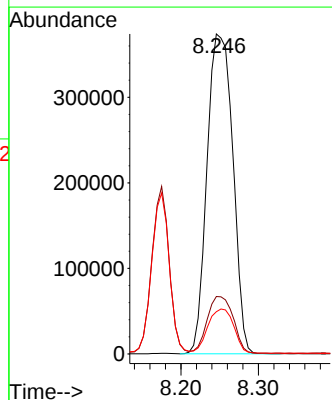
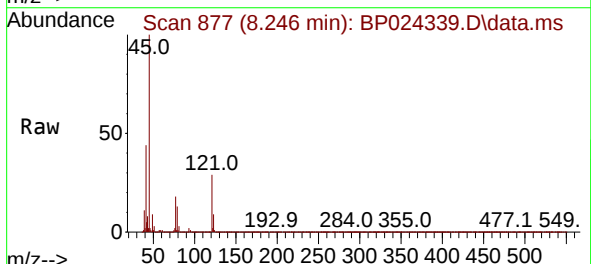
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

Tgt Ion: 79 Resp: 649826  
Ion Ratio Lower Upper  
79 100  
108 80.7 65.1 97.7  
77 63.6 50.7 76.1



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.260 ng  
RT: 8.246 min Scan# 877  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion: 45 Resp: 864900  
Ion Ratio Lower Upper  
45 100  
77 18.0 0.0 37.7  
79 13.2 0.0 33.5

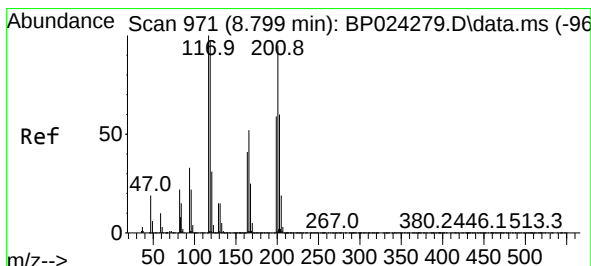
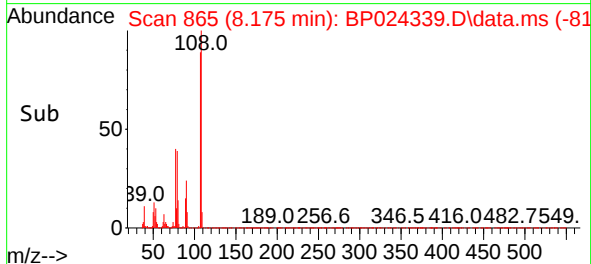
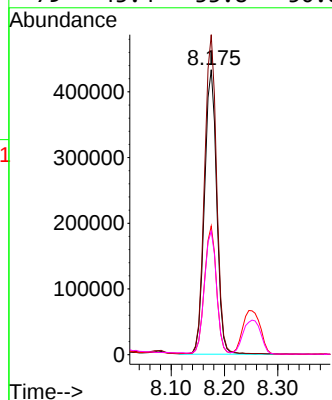
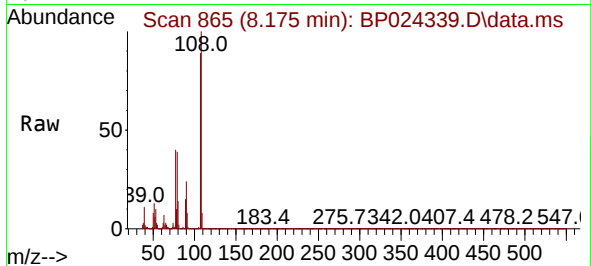




#17  
2-Methylphenol  
Concen: 47.298 ng  
RT: 8.175 min Scan# 865  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

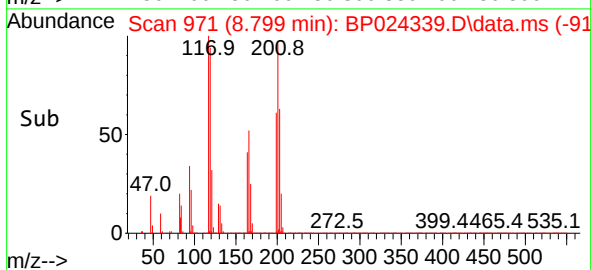
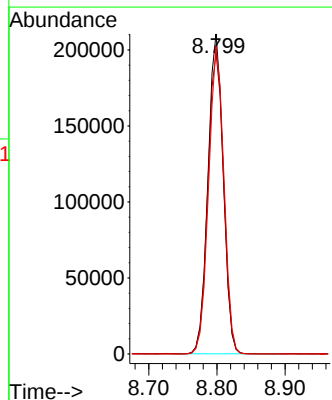
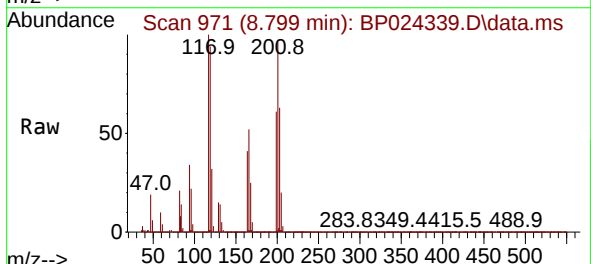
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 686554 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 112.3 | 89.8  | 134.6  |
| 77       | 45.1  | 34.2  | 51.4   |
| 79       | 43.4  | 33.8  | 50.8   |



#18  
Hexachloroethane  
Concen: 45.746 ng  
RT: 8.799 min Scan# 971  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 329356 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 94.0  | 77.8  | 116.6  |
| 201      | 96.1  | 75.9  | 113.9  |



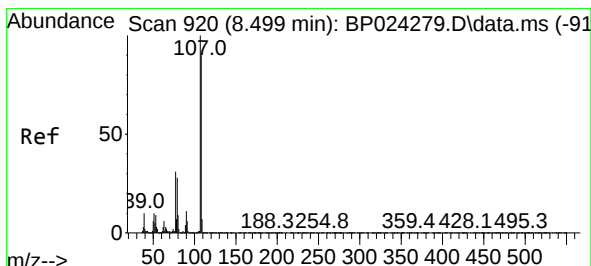
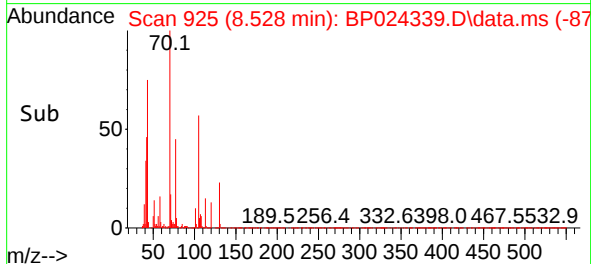
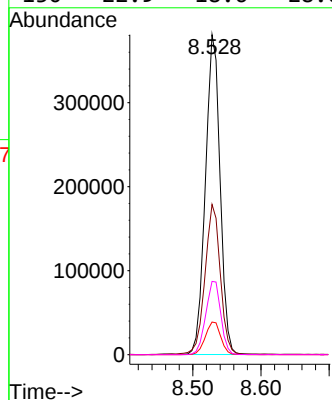
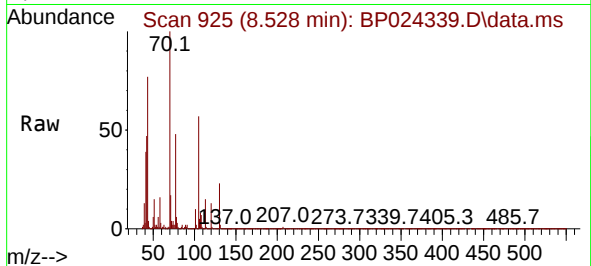


#19  
n-Nitroso-di-n-propylamine  
Concen: 41.181 ng  
RT: 8.528 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

Tgt Ion: 70 Resp: 569870

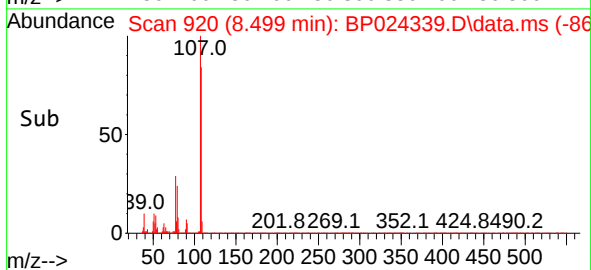
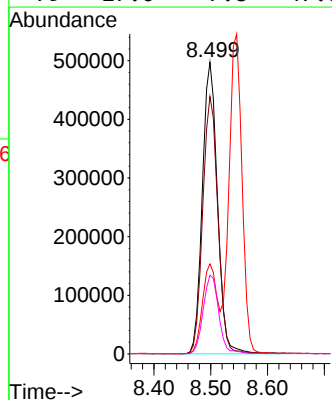
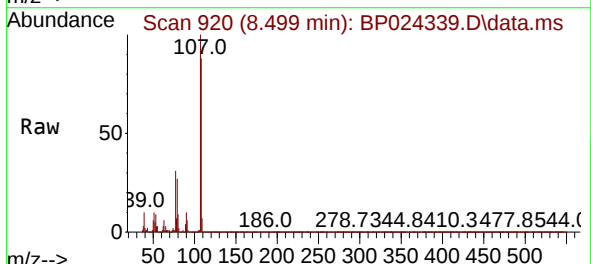
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 47.0  | 37.3  | 55.9  |
| 101 | 10.2  | 8.2   | 12.4  |
| 130 | 22.9  | 18.6  | 28.0  |

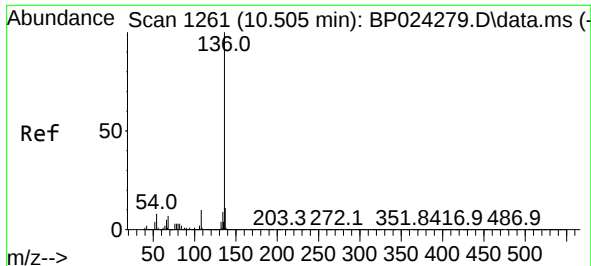


#20  
3+4-Methylphenols  
Concen: 45.550 ng  
RT: 8.499 min Scan# 920  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion: 107 Resp: 917423

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 88.3  | 69.8  | 109.8 |
| 77  | 30.9  | 11.5  | 51.5  |
| 79  | 27.0  | 7.8   | 47.8  |



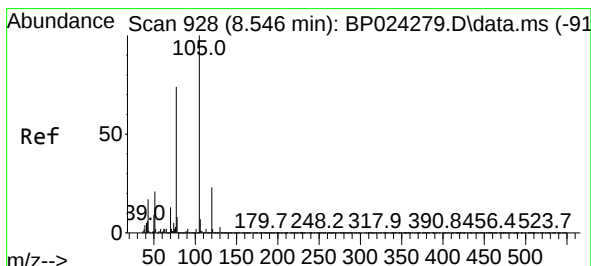
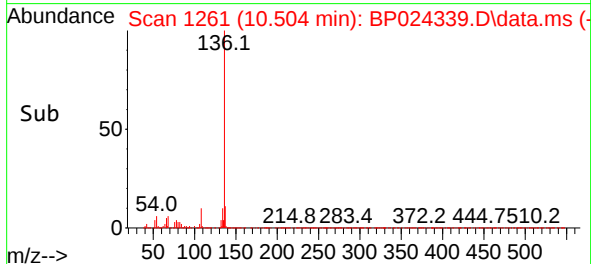
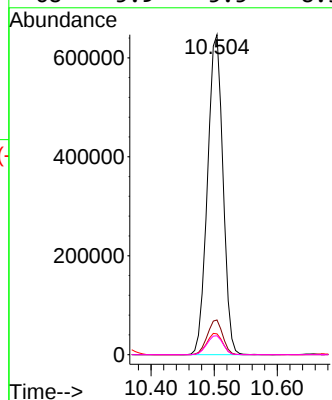
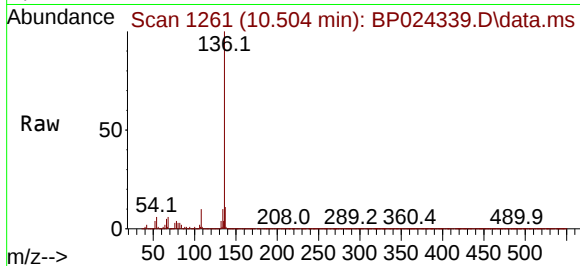


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.504 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

Tgt Ion:136 Resp: 1100496

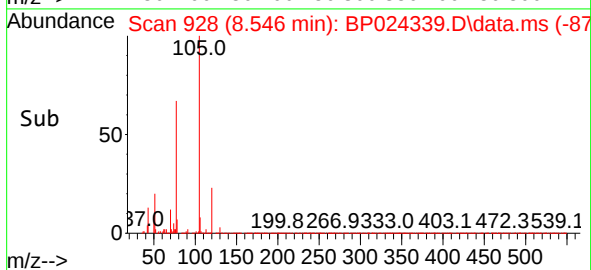
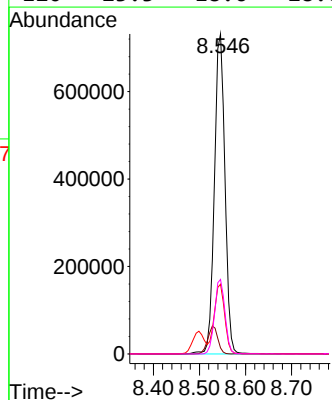
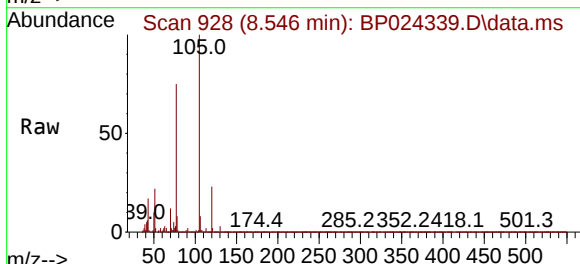
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 9.2   | 13.8  |
| 54  | 6.5   | 6.0   | 9.0   |
| 68  | 5.9   | 5.5   | 8.3   |

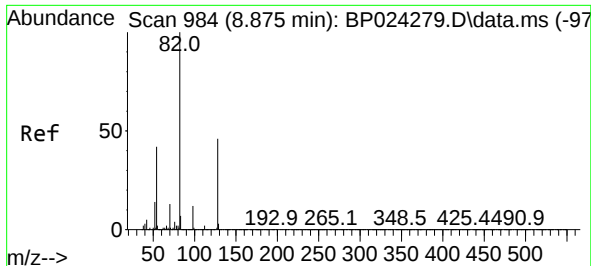


#22  
Acetophenone  
Concen: 42.657 ng  
RT: 8.546 min Scan# 928  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:105 Resp: 1161884

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 1.9   | 1.7   | 2.5   |
| 51  | 21.8  | 16.9  | 25.3  |
| 120 | 23.3  | 18.6  | 28.0  |

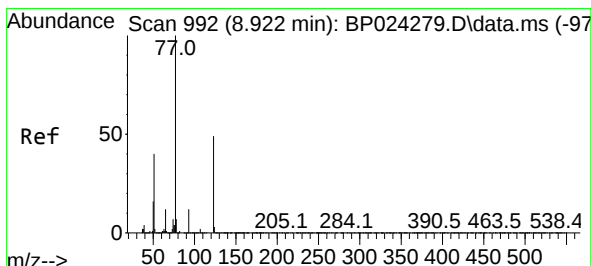
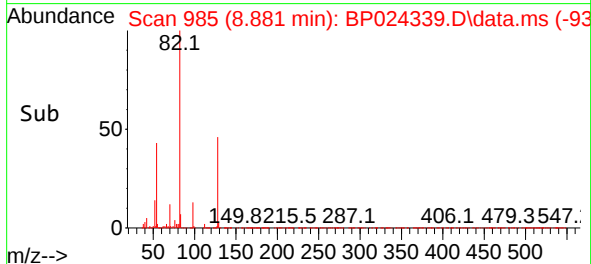
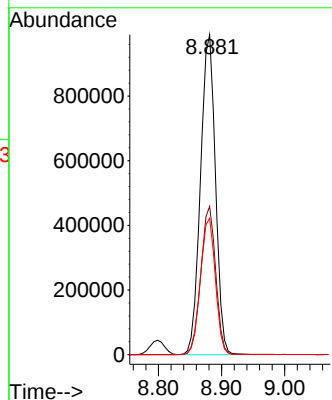
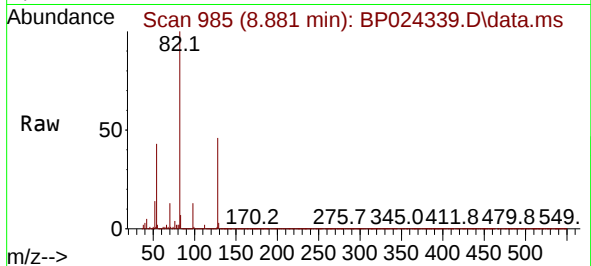




#23  
Nitrobenzene-d5  
Concen: 84.263 ng  
RT: 8.881 min Scan# 985  
Delta R.T. 0.012 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

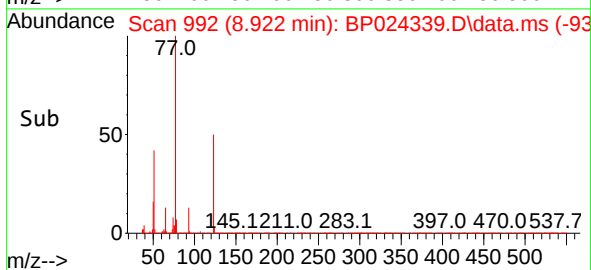
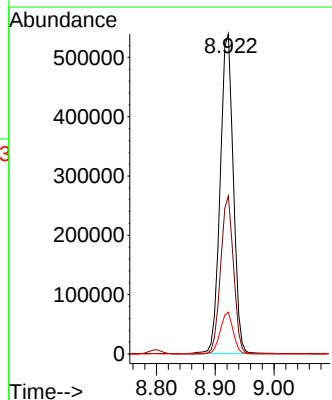
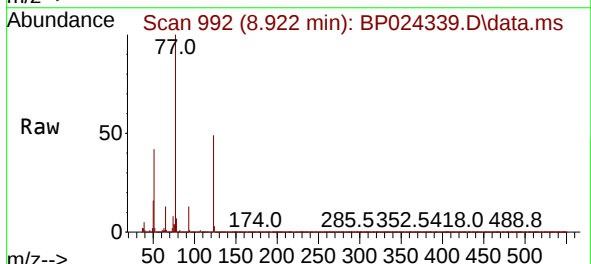
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

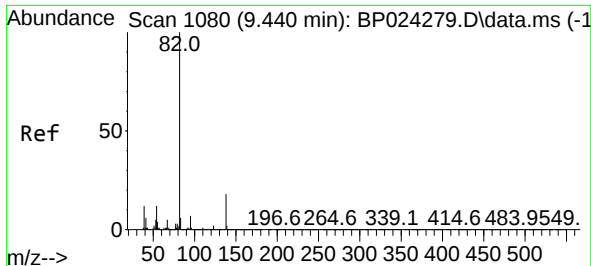
Tgt Ion: 82 Resp: 1626249  
Ion Ratio Lower Upper  
82 100  
128 46.3 36.5 54.7  
54 42.6 33.4 50.2



#24  
Nitrobenzene  
Concen: 43.721 ng  
RT: 8.922 min Scan# 992  
Delta R.T. 0.012 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion: 77 Resp: 834746  
Ion Ratio Lower Upper  
77 100  
123 49.4 39.2 58.8  
65 13.0 9.8 14.6

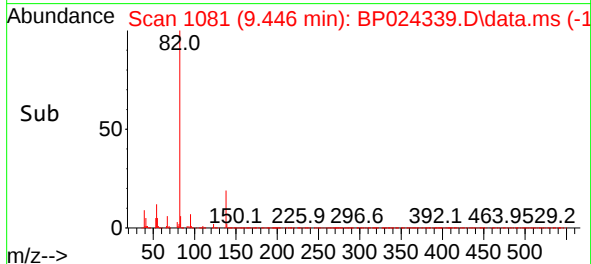
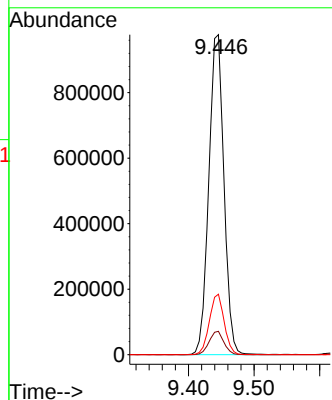
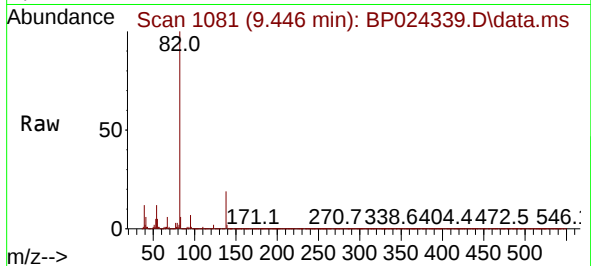




#25  
Isophorone  
Concen: 44.929 ng  
RT: 9.446 min Scan# 1080  
Delta R.T. 0.018 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

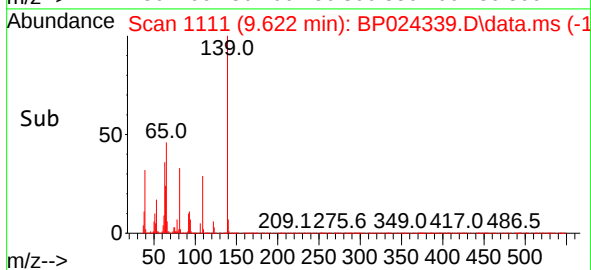
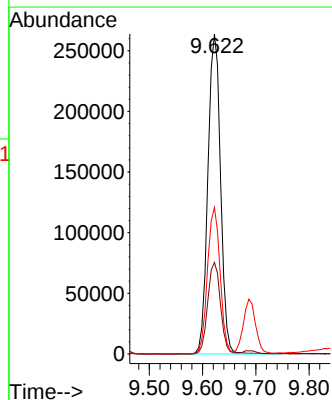
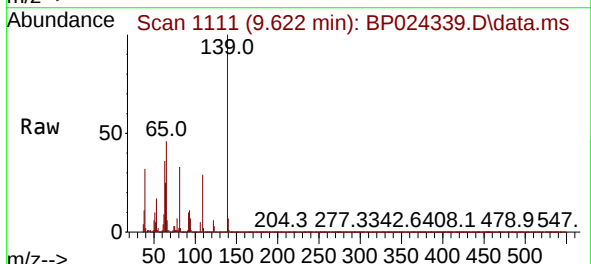
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

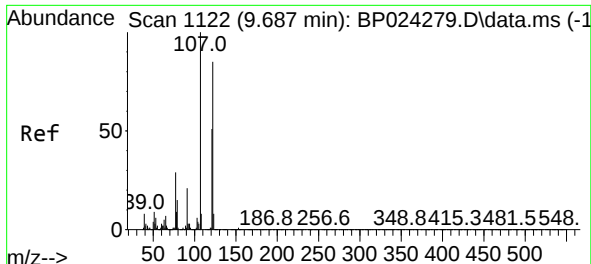
Tgt Ion: 82 Resp: 1569529  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.4 8.2  
138 18.9 14.4 21.6



#26  
2-Nitrophenol  
Concen: 46.432 ng  
RT: 9.622 min Scan# 1111  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion: 139 Resp: 433832  
Ion Ratio Lower Upper  
139 100  
109 28.6 21.8 32.6  
65 45.8 36.2 54.2





#27

2,4-Dimethylphenol

Concen: 63.782 ng

RT: 9.687 min Scan# 1122

Delta R.T. 0.006 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

BNA\_P

ClientSampleId :

PB167625BS

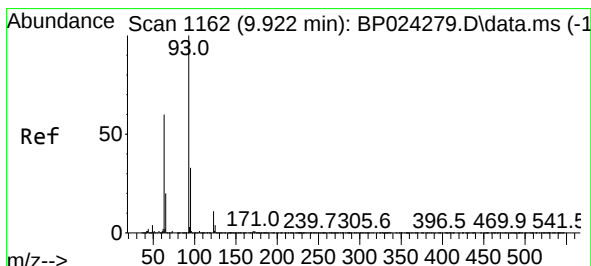
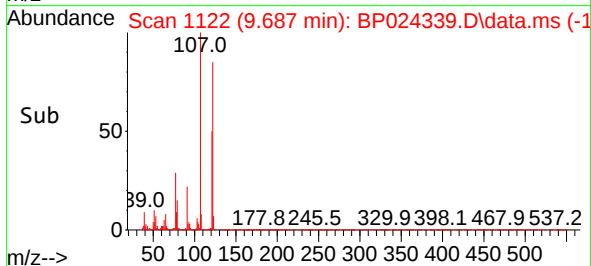
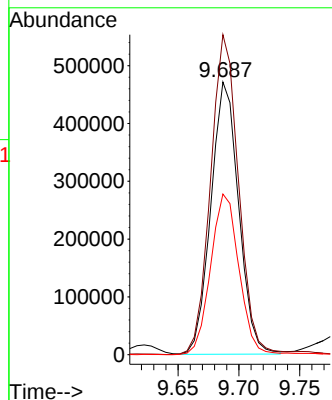
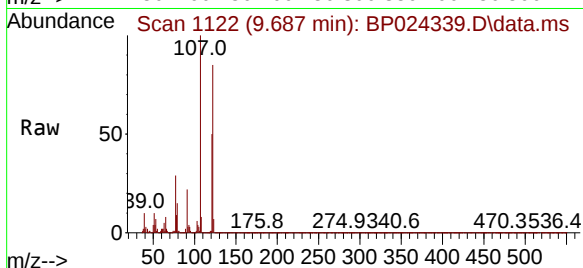
Tgt Ion:122 Resp: 748273

Ion Ratio Lower Upper

122 100

107 117.3 93.7 140.5

121 58.9 48.2 72.2



#28

bis(2-Chloroethoxy)methane

Concen: 43.303 ng

RT: 9.916 min Scan# 1161

Delta R.T. 0.006 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

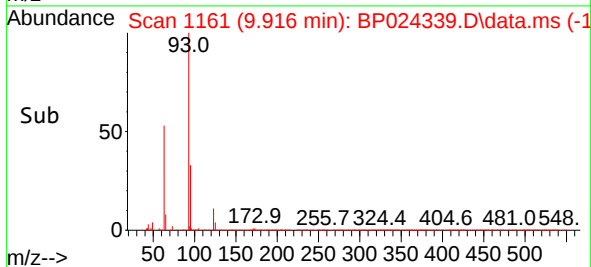
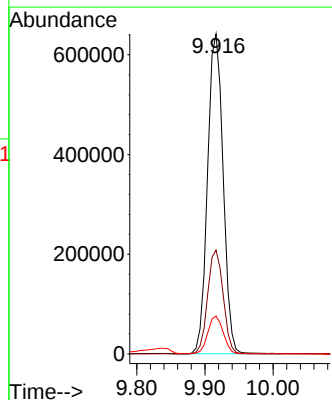
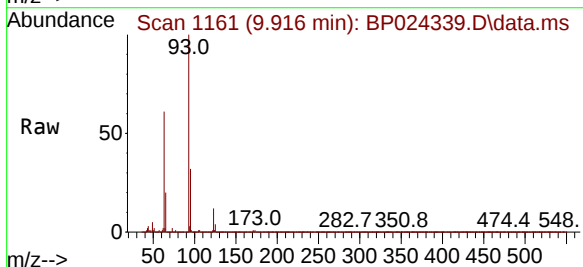
Tgt Ion: 93 Resp: 1021916

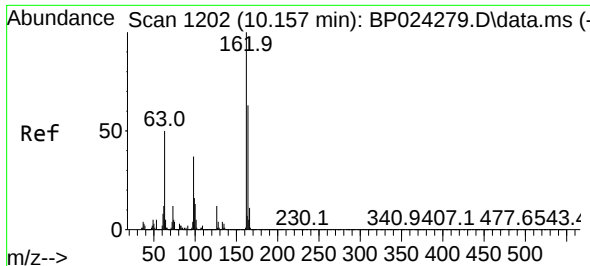
Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 11.9 9.1 13.7

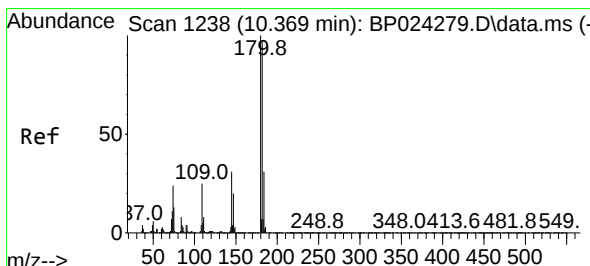
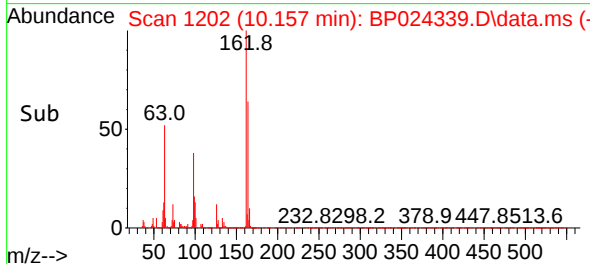
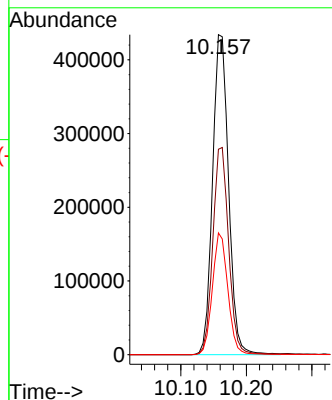
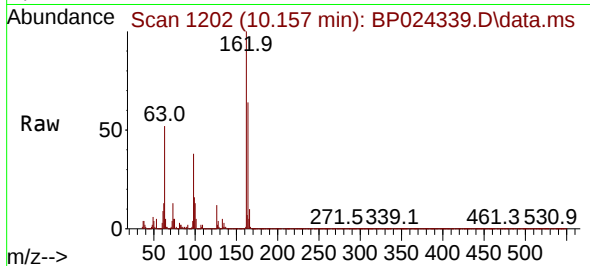




#29  
2,4-Dichlorophenol  
Concen: 46.016 ng  
RT: 10.157 min Scan# 1202  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

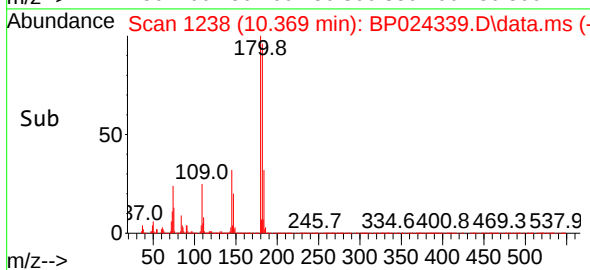
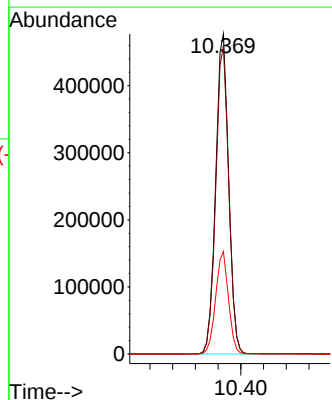
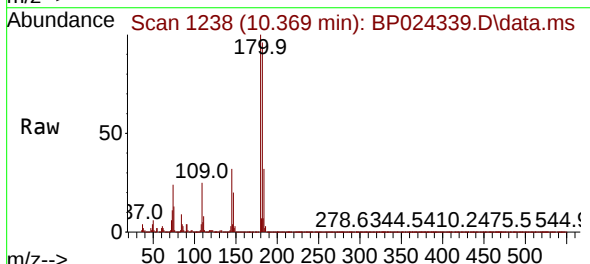
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

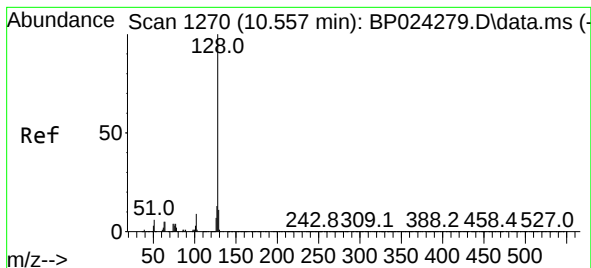
Tgt Ion:162 Resp: 736083  
Ion Ratio Lower Upper  
162 100  
164 64.2 43.3 83.3  
98 38.1 16.6 56.6



#30  
1,2,4-Trichlorobenzene  
Concen: 43.982 ng  
RT: 10.369 min Scan# 1238  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:180 Resp: 753794  
Ion Ratio Lower Upper  
180 100  
182 96.3 77.3 115.9  
145 32.1 25.1 37.7

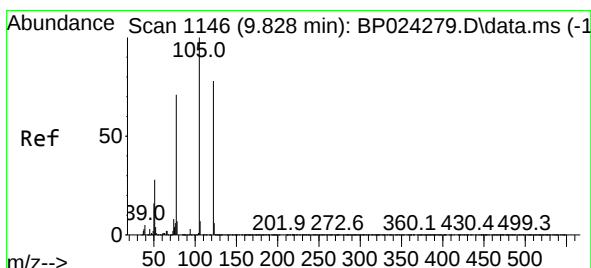
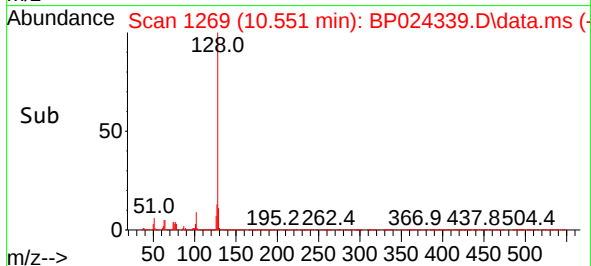
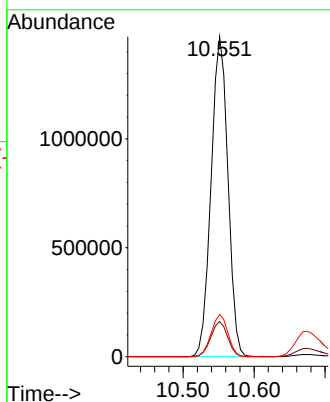
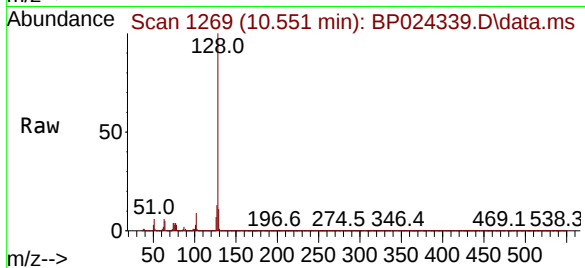




#31  
Naphthalene  
Concen: 41.628 ng  
RT: 10.551 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

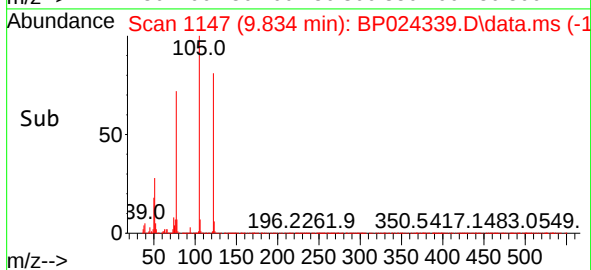
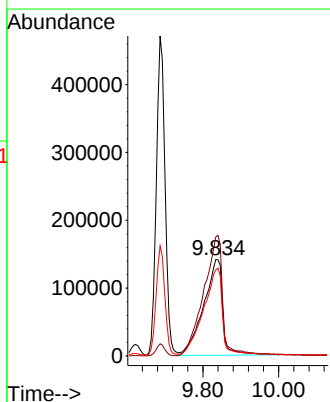
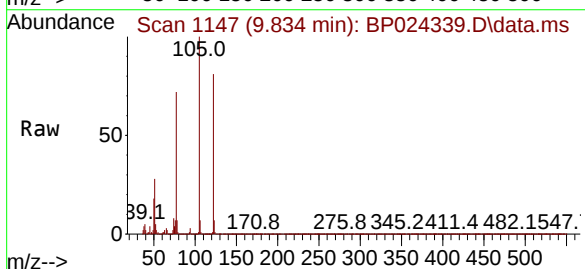
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

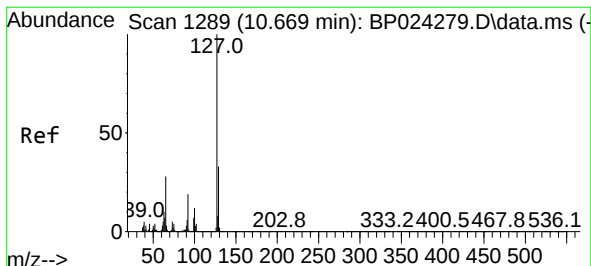
Tgt Ion:128 Resp: 2413153  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 13.0  
127 13.2 10.3 15.5



#32  
Benzoic acid  
Concen: 36.361 ng  
RT: 9.834 min Scan# 1147  
Delta R.T. 0.012 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:122 Resp: 497059  
Ion Ratio Lower Upper  
122 100  
105 123.3 104.8 144.8  
77 89.2 69.2 109.2





#33

4-Chloroaniline

Concen: 15.578 ng

RT: 10.675 min Scan# 11

Delta R.T. 0.012 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

BNA\_P

ClientSampleId :

PB167625BS

Tgt Ion:127 Resp: 318013

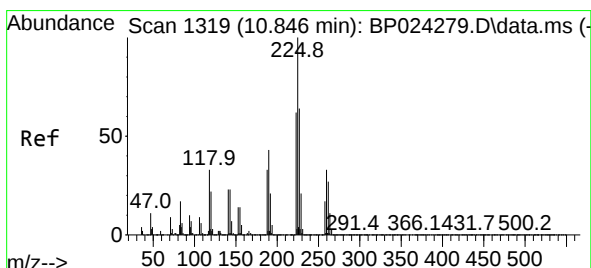
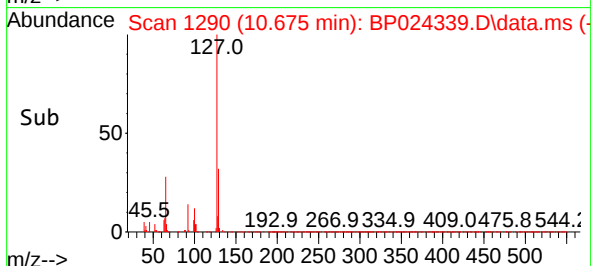
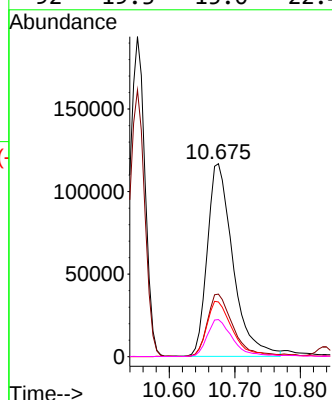
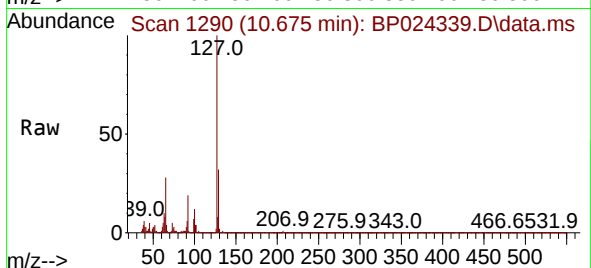
Ion Ratio Lower Upper

127 100

129 32.4 26.1 39.1

65 28.3 22.1 33.1

92 19.3 15.0 22.4



#34

Hexachlorobutadiene

Concen: 45.350 ng

RT: 10.840 min Scan# 1318

Delta R.T. 0.012 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

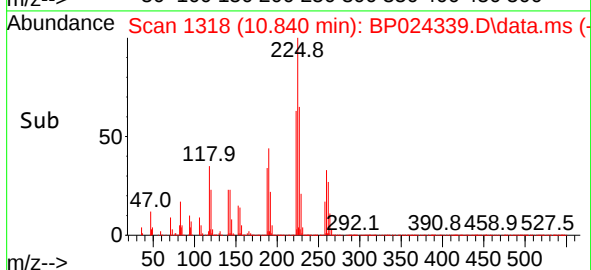
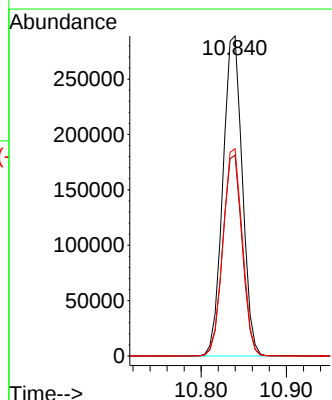
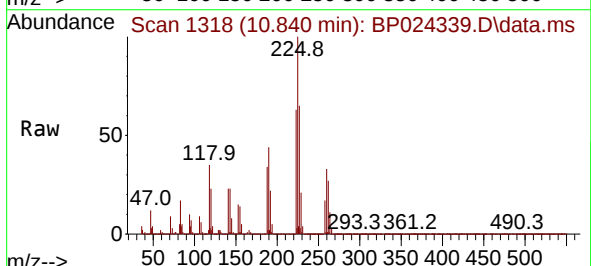
Tgt Ion:225 Resp: 456730

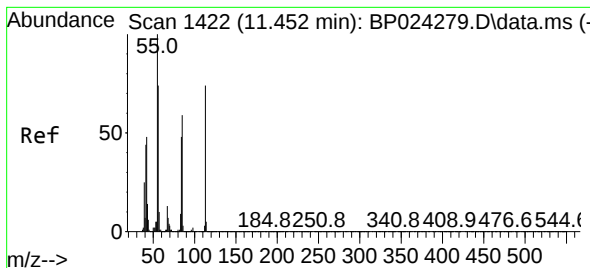
Ion Ratio Lower Upper

225 100

223 62.7 49.5 74.3

227 64.7 50.9 76.3

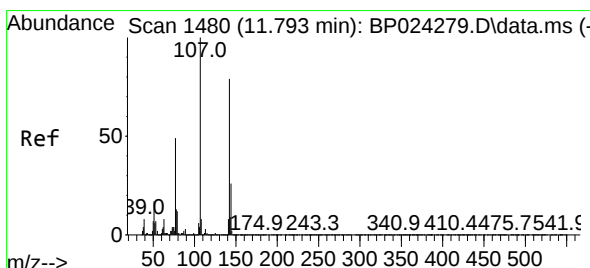
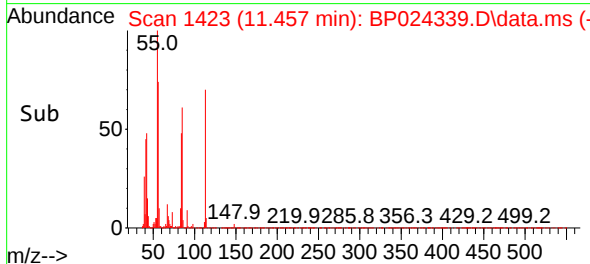
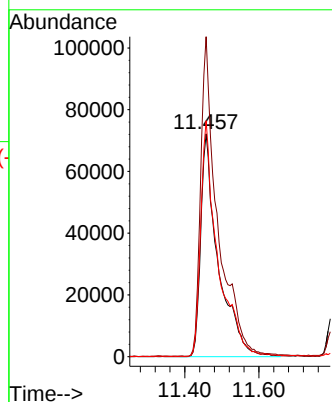
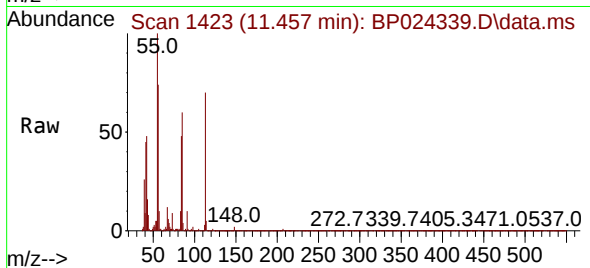




#35  
Caprolactam  
Concen: 39.963 ng  
RT: 11.457 min Scan# 1422  
Delta R.T. 0.012 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

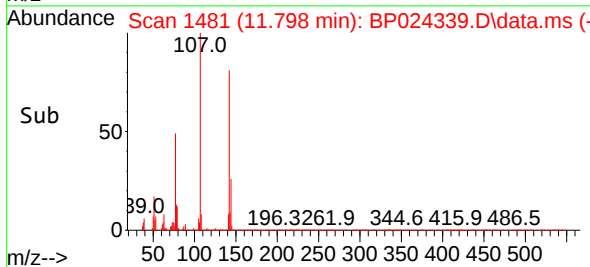
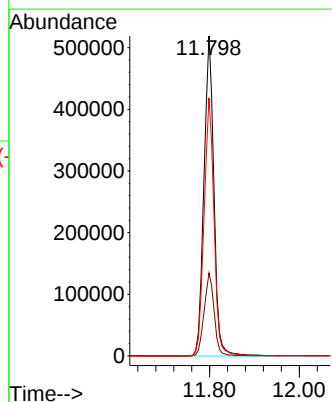
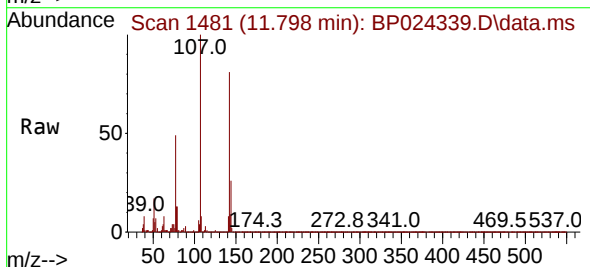
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

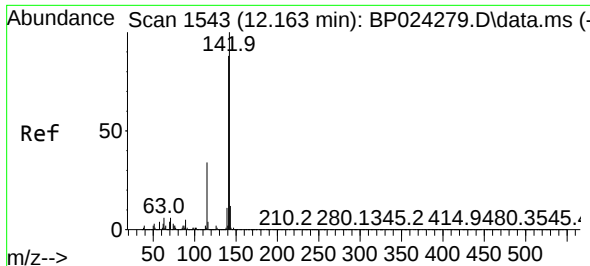
Tgt Ion:113 Resp: 235875  
Ion Ratio Lower Upper  
113 100  
55 143.6 115.9 155.9  
56 105.9 81.1 121.1



#36  
4-Chloro-3-methylphenol  
Concen: 42.957 ng  
RT: 11.798 min Scan# 1481  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:107 Resp: 800377  
Ion Ratio Lower Upper  
107 100  
144 25.9 20.5 30.7  
142 80.7 63.4 95.2

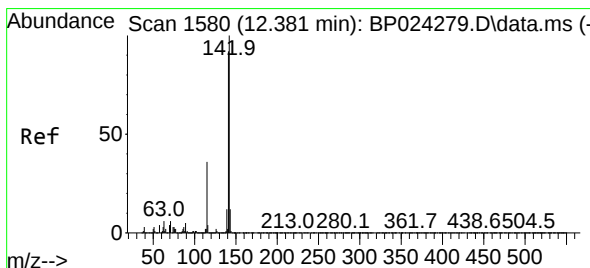
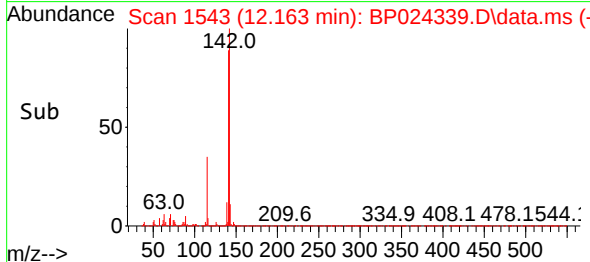
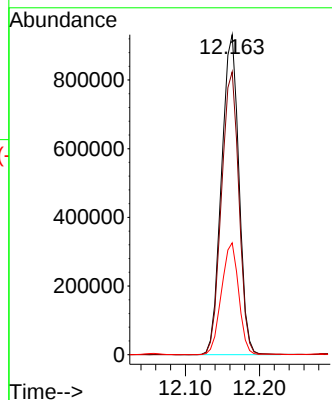
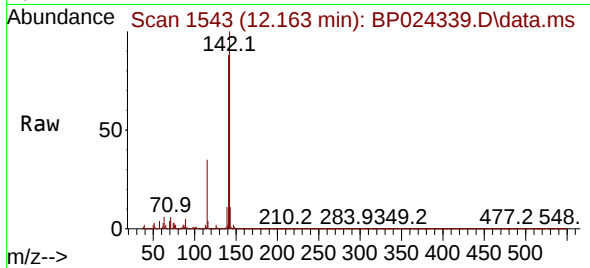




#37  
2-Methylnaphthalene  
Concen: 37.726 ng  
RT: 12.163 min Scan# 1543  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

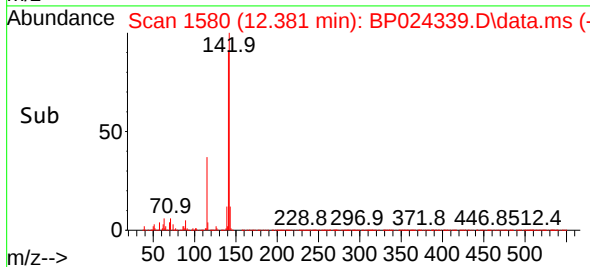
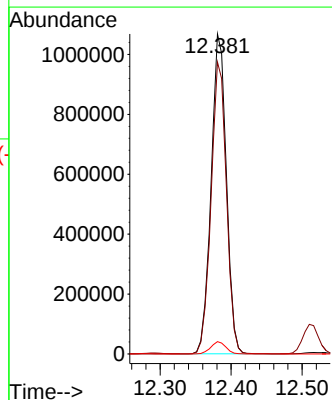
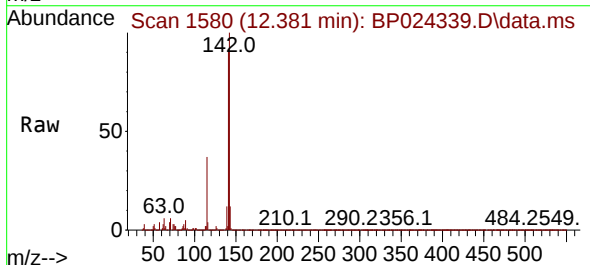
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ClientSampleId :  
PB167625BS

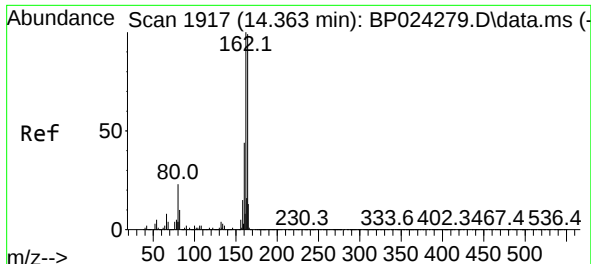
Tgt Ion:142 Resp: 1516705  
Ion Ratio Lower Upper  
142 100  
141 88.4 70.3 105.5  
115 34.9 26.9 40.3



#38  
1-Methylnaphthalene  
Concen: 40.564 ng  
RT: 12.381 min Scan# 1580  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:142 Resp: 1595366  
Ion Ratio Lower Upper  
142 100  
141 91.2 73.6 110.4  
116 3.9 3.0 4.6

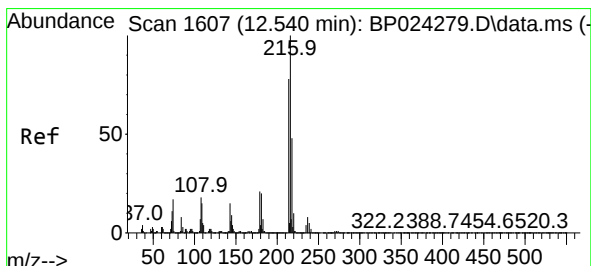
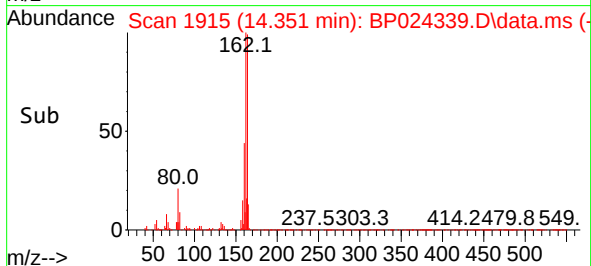
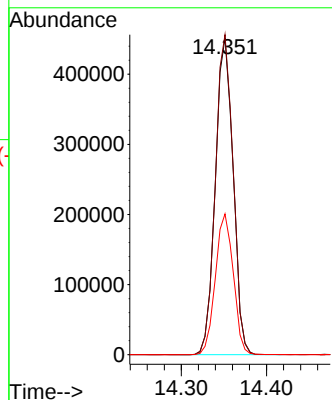
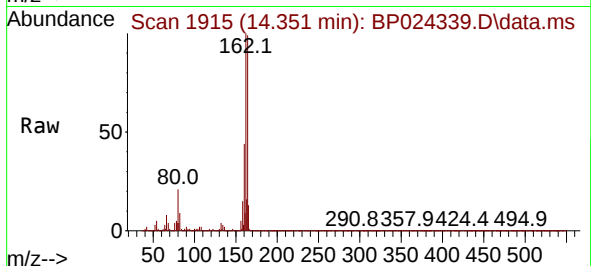




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.351 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

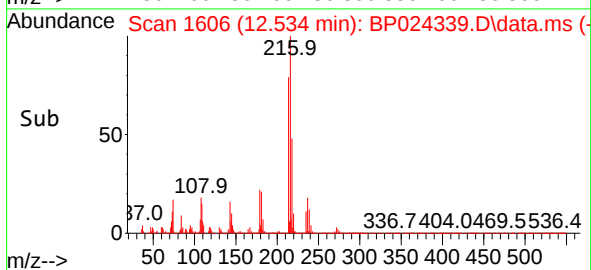
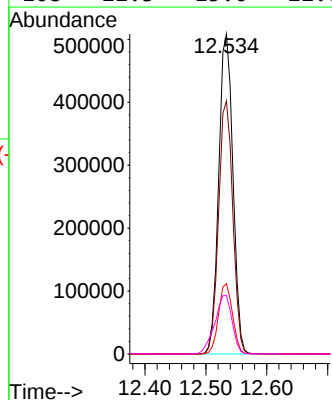
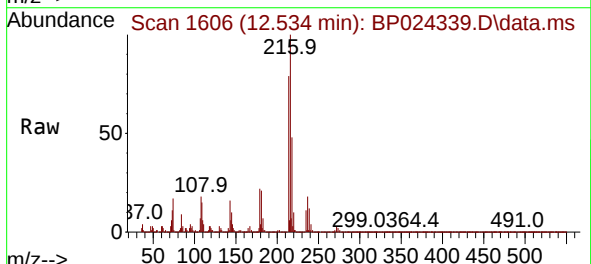
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BNA\_P  
ClientSampleId :  
PB167625BS

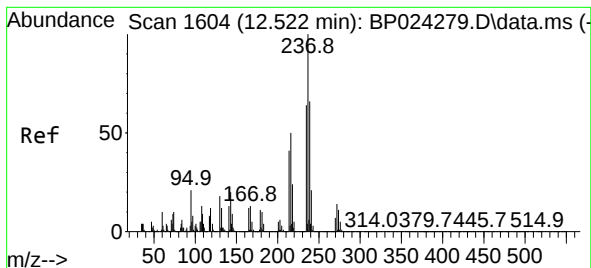
Tgt Ion:164 Resp: 654722  
Ion Ratio Lower Upper  
164 100  
162 101.1 80.6 120.8  
160 44.5 35.3 52.9



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 45.706 ng  
RT: 12.534 min Scan# 1606  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:216 Resp: 822938  
Ion Ratio Lower Upper  
216 100  
214 79.2 62.6 93.8  
179 21.7 17.2 25.8  
108 22.3 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 192.697 ng

RT: 12.516 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

BNA\_P

ClientSampleId :

PB167625BS

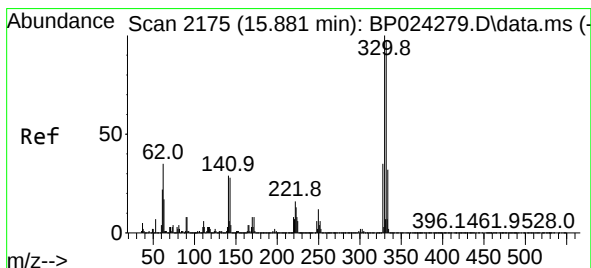
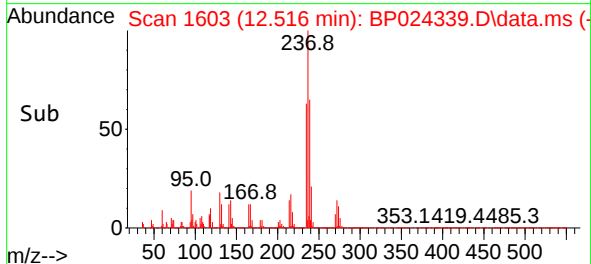
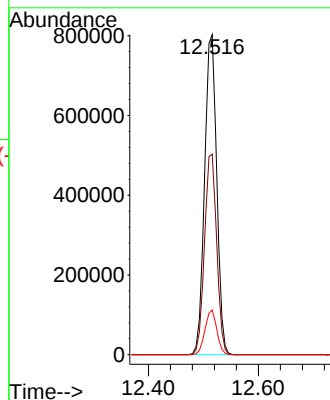
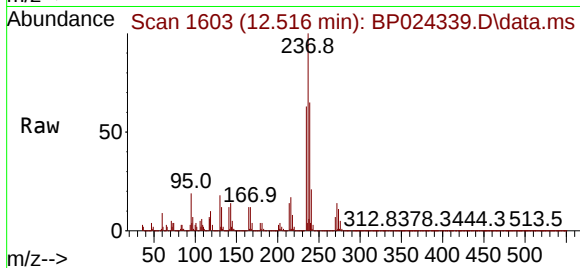
Tgt Ion:237 Resp: 1227070

Ion Ratio Lower Upper

237 100

235 62.7 43.9 83.9

272 13.9 0.0 33.6



#42

2,4,6-Tribromophenol

Concen: 126.149 ng

RT: 15.869 min Scan# 2173

Delta R.T. 0.006 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

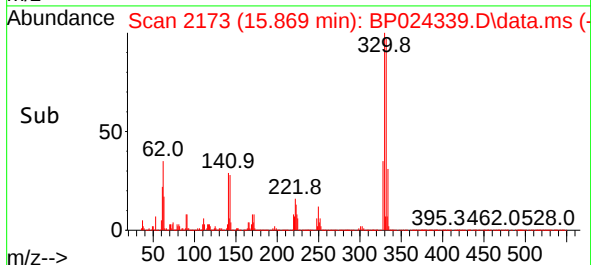
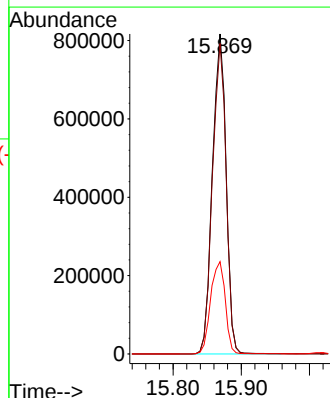
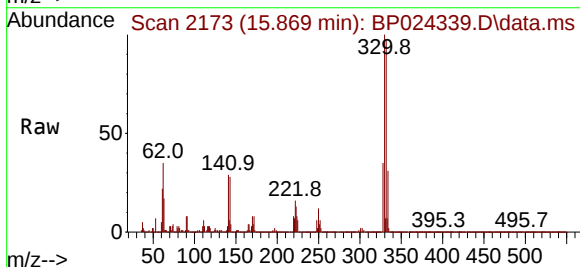
Tgt Ion:330 Resp: 1142714

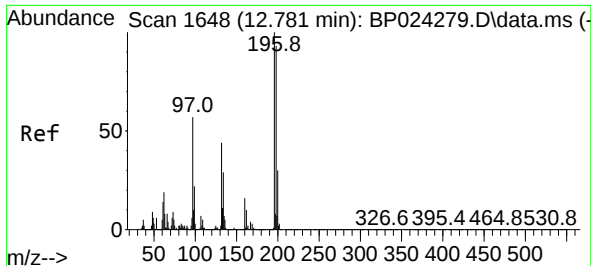
Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

141 30.8 24.7 37.1

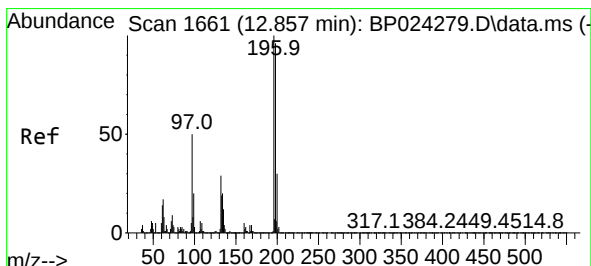
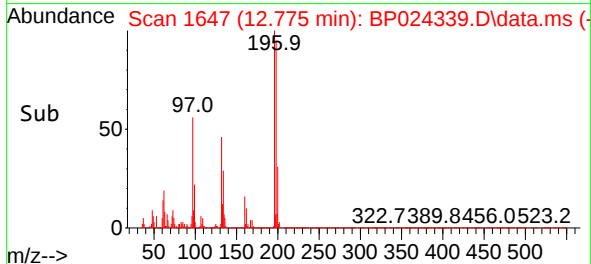
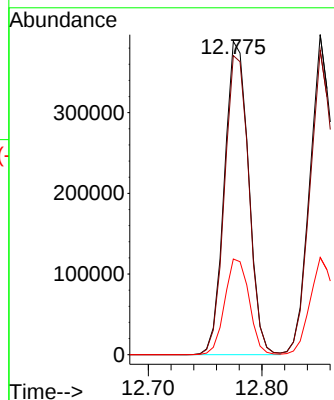
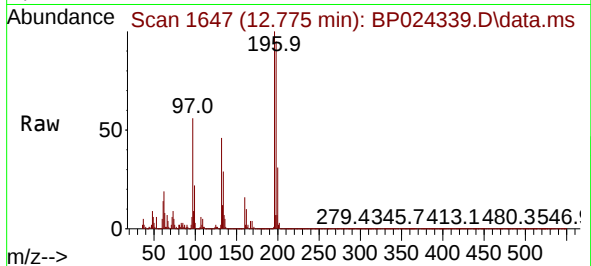




#43  
2,4,6-Trichlorophenol  
Concen: 48.012 ng  
RT: 12.775 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

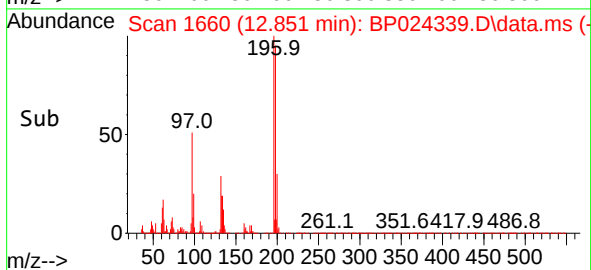
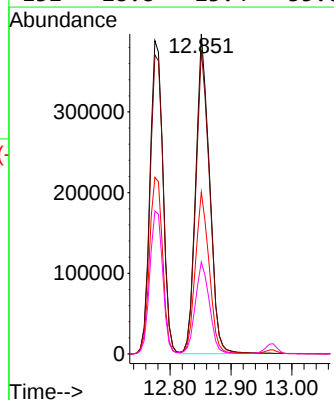
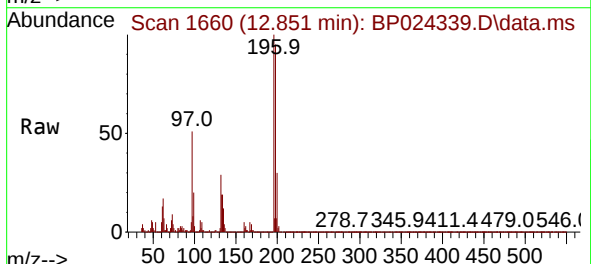
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

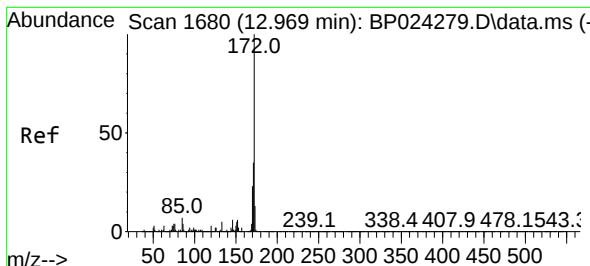
Tgt Ion:196 Resp: 574741  
Ion Ratio Lower Upper  
196 100  
198 95.5 74.3 111.5  
200 30.5 24.0 36.0



#44  
2,4,5-Trichlorophenol  
Concen: 47.026 ng  
RT: 12.851 min Scan# 1660  
Delta R.T. -0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:196 Resp: 623380  
Ion Ratio Lower Upper  
196 100  
198 95.1 77.3 115.9  
97 50.6 40.4 60.6  
132 28.8 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 84.893 ng

RT: 12.969 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

BNA\_P

ClientSampleId :

PB167625BS

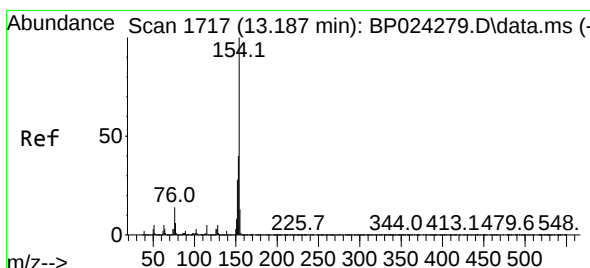
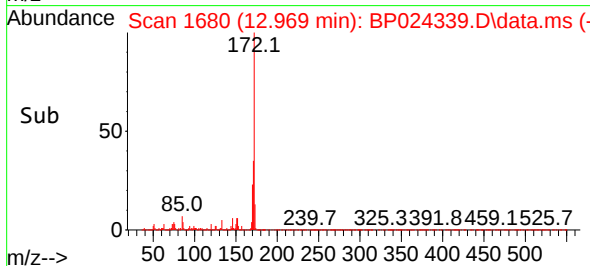
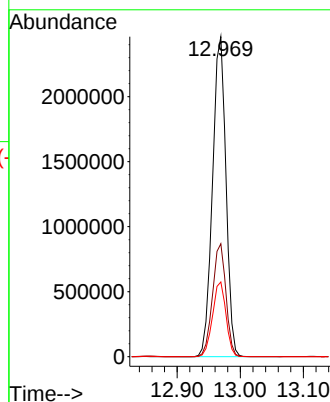
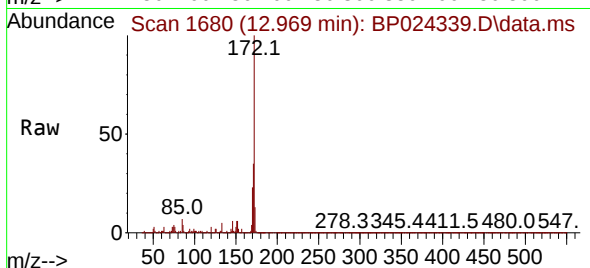
Tgt Ion:172 Resp: 3630113

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

170 23.4 18.6 27.8



#46

1,1'-Biphenyl

Concen: 43.785 ng

RT: 13.181 min Scan# 1716

Delta R.T. 0.006 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

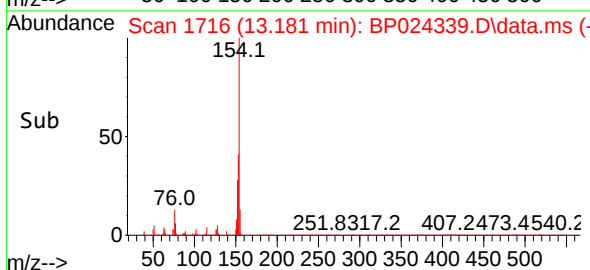
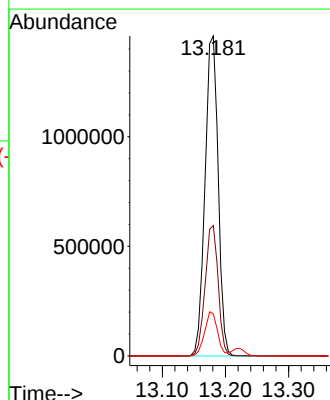
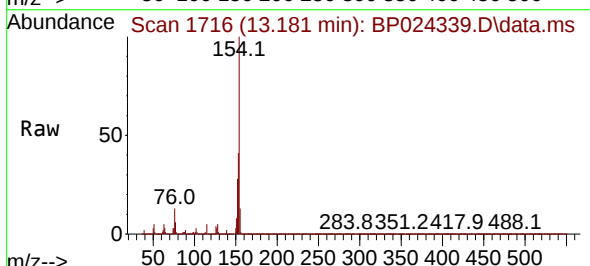
Tgt Ion:154 Resp: 2107178

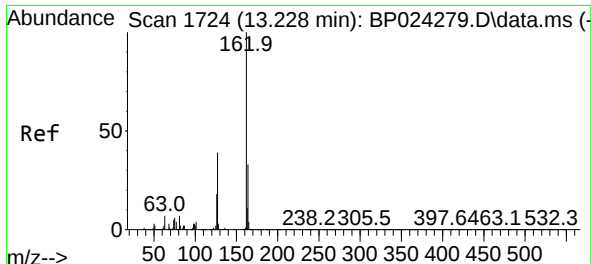
Ion Ratio Lower Upper

154 100

153 40.8 20.3 60.3

76 13.1 0.0 33.5

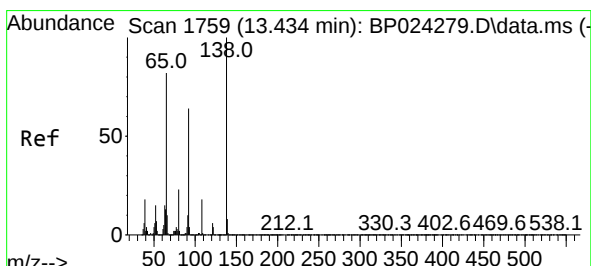
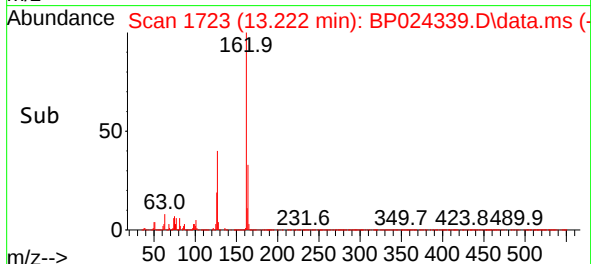
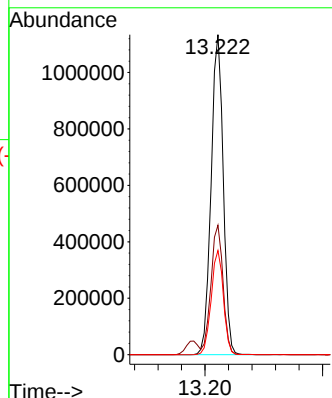
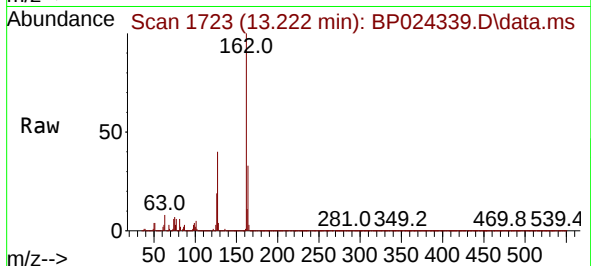




#47  
2-Chloronaphthalene  
Concen: 45.111 ng  
RT: 13.222 min Scan# 1724  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

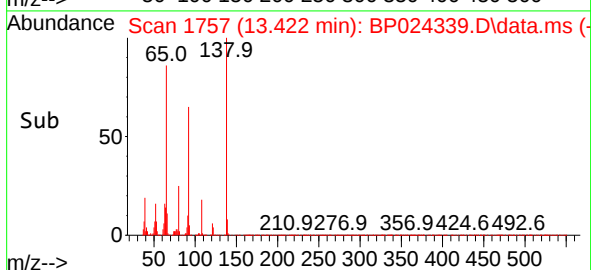
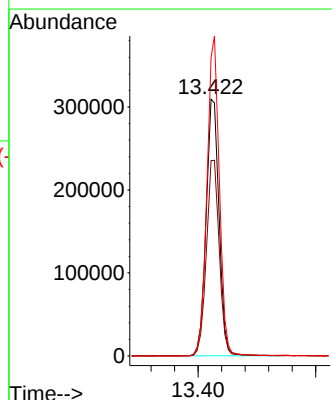
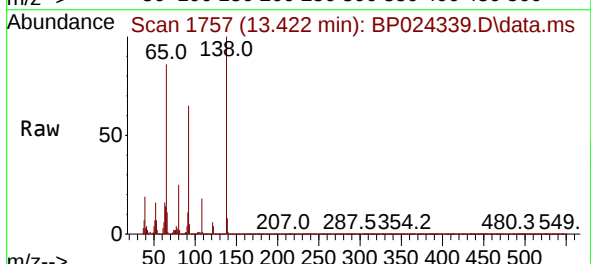
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

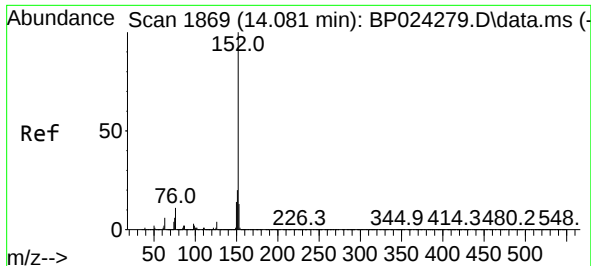
Tgt Ion:162 Resp: 1622564  
Ion Ratio Lower Upper  
162 100  
127 40.4 31.9 47.9  
164 32.6 26.2 39.4



#48  
2-Nitroaniline  
Concen: 46.825 ng  
RT: 13.422 min Scan# 1757  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion: 65 Resp: 472428  
Ion Ratio Lower Upper  
65 100  
92 76.1 62.3 93.5  
138 116.2 97.2 145.8

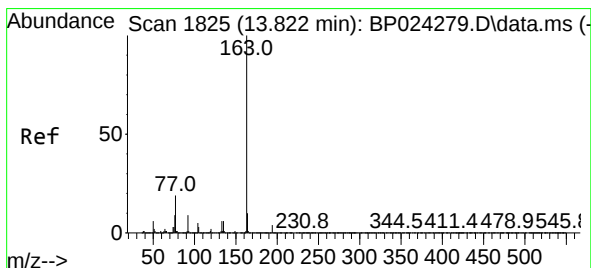
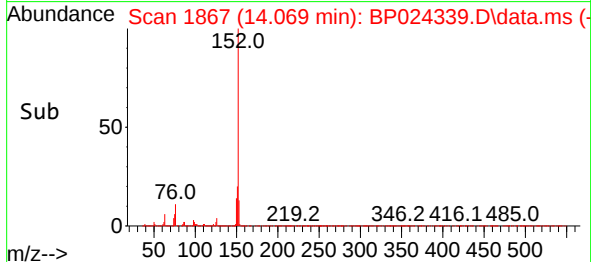
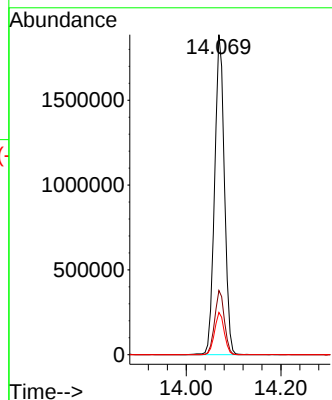
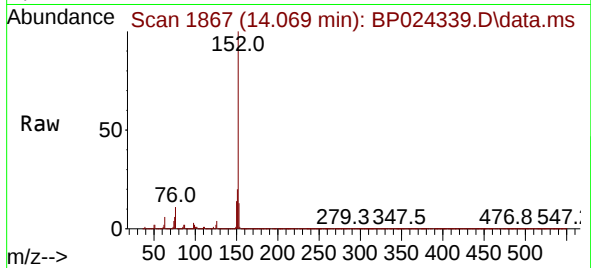




#49  
Acenaphthylene  
Concen: 47.491 ng  
RT: 14.069 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

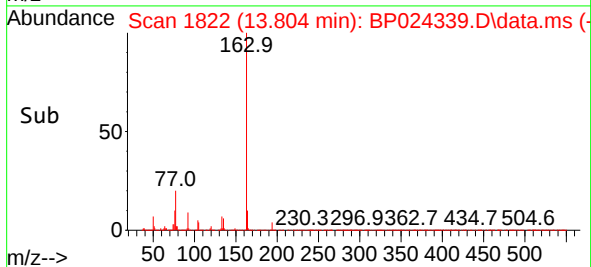
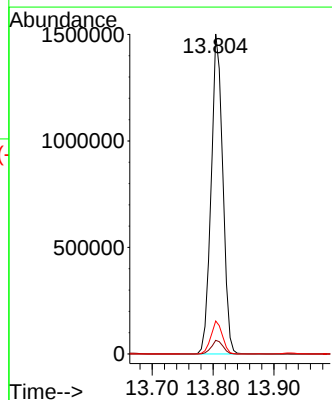
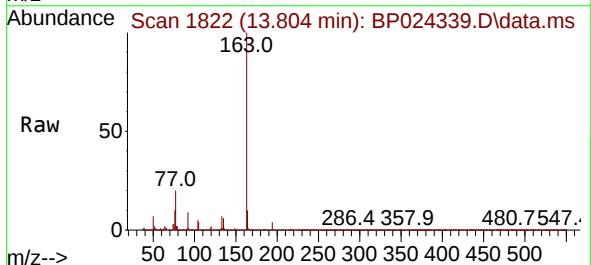
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

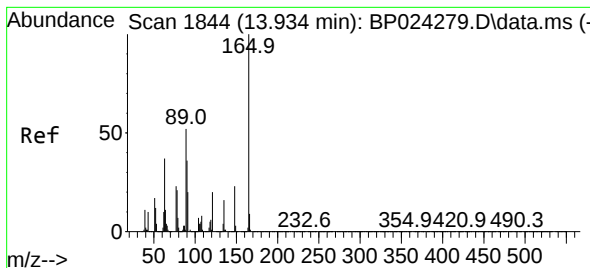
Tgt Ion:152 Resp: 2689385  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.9 23.9  
153 13.2 10.6 15.8



#50  
Dimethylphthalate  
Concen: 41.885 ng  
RT: 13.804 min Scan# 1822  
Delta R.T. -0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:163 Resp: 1994238  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.5 5.3  
164 10.3 8.0 12.0

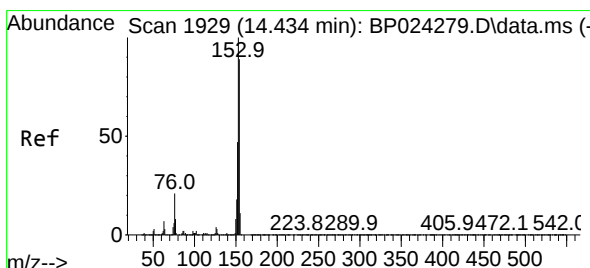
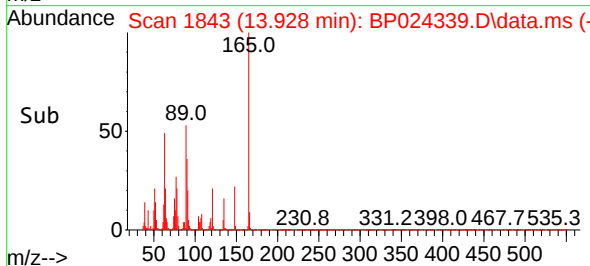
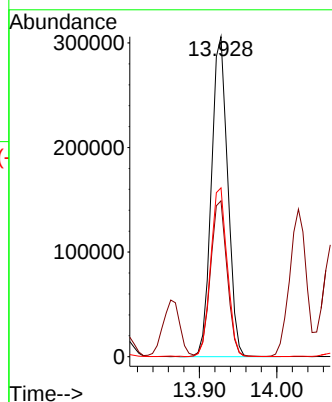
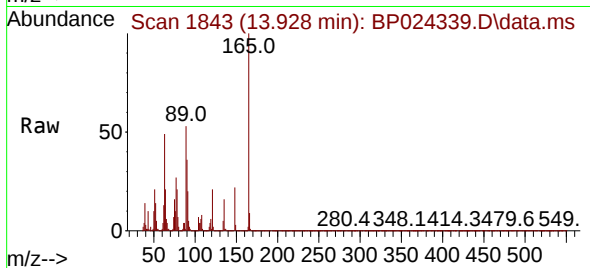




#51  
2,6-Dinitrotoluene  
Concen: 44.190 ng  
RT: 13.928 min Scan# 1844  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

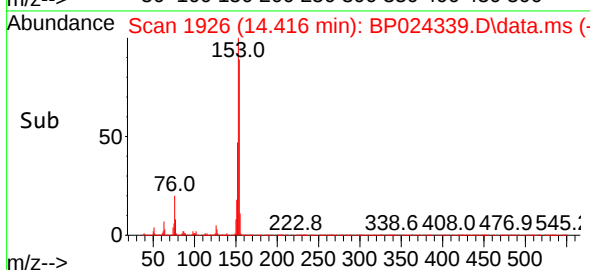
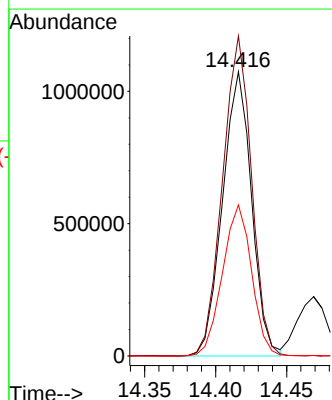
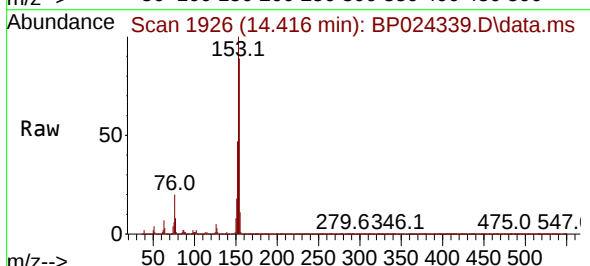
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

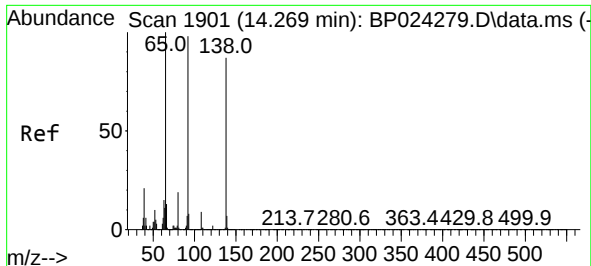
Tgt Ion:165 Resp: 446783  
Ion Ratio Lower Upper  
165 100  
63 48.7 38.0 57.0  
89 52.7 41.7 62.5



#52  
Acenaphthene  
Concen: 42.495 ng  
RT: 14.416 min Scan# 1926  
Delta R.T. -0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:154 Resp: 1525613  
Ion Ratio Lower Upper  
154 100  
153 112.6 89.8 134.6  
152 53.2 42.6 63.8

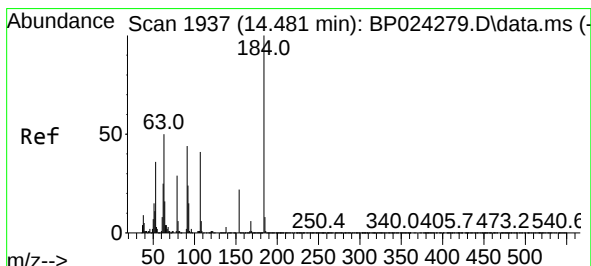
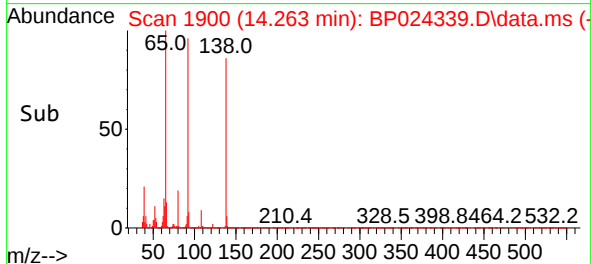
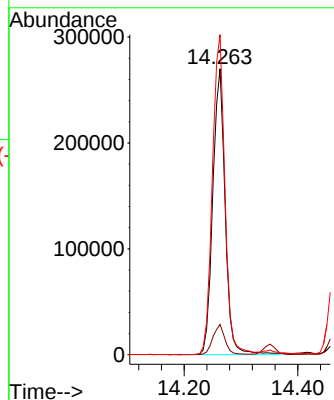
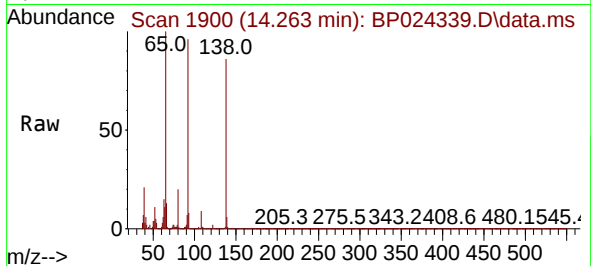




#53  
3-Nitroaniline  
Concen: 38.315 ng  
RT: 14.263 min Scan# 1901  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

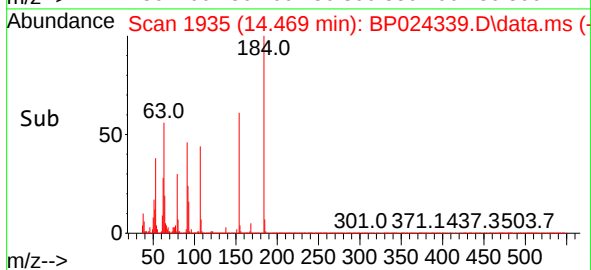
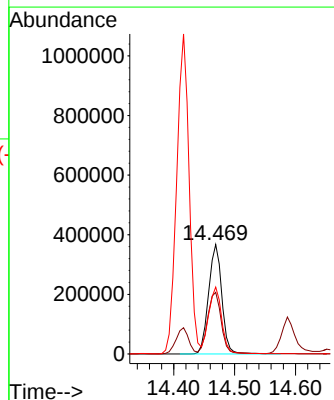
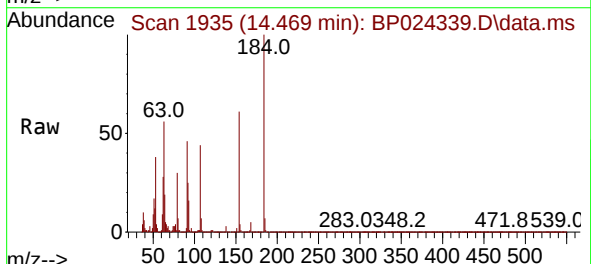
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

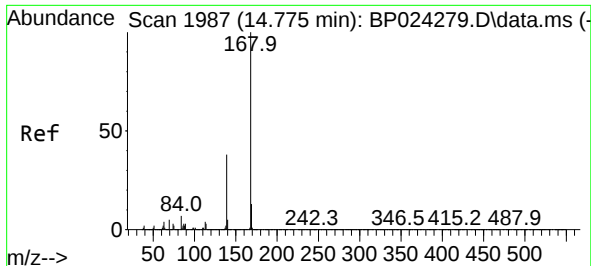
Tgt Ion:138 Resp: 407138  
Ion Ratio Lower Upper  
138 100  
108 10.6 8.3 12.5  
92 111.9 89.8 134.8



#54  
2,4-Dinitrophenol  
Concen: 93.387 ng  
RT: 14.469 min Scan# 1935  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:184 Resp: 556165  
Ion Ratio Lower Upper  
184 100  
63 56.2 42.6 64.0  
154 61.1 47.2 70.8

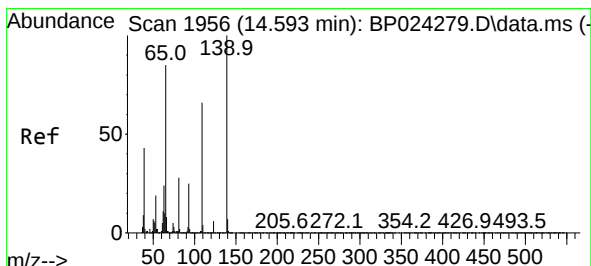
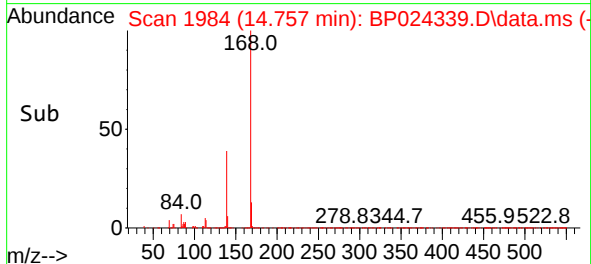
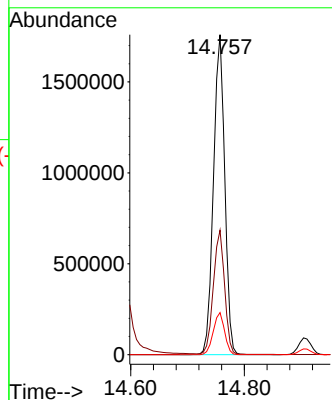
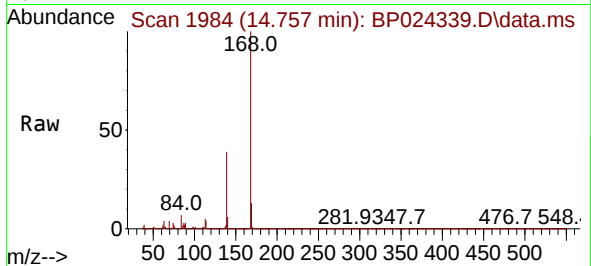




#55  
Dibenzofuran  
Concen: 41.077 ng  
RT: 14.757 min Scan# 1984  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

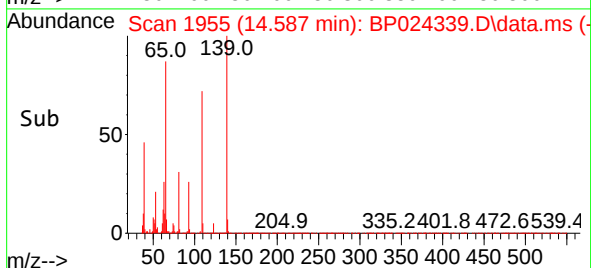
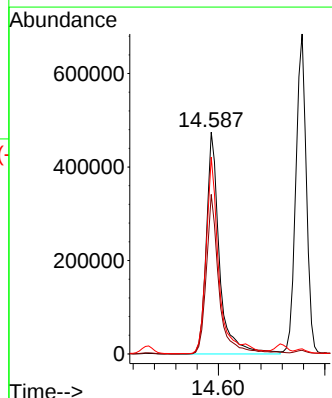
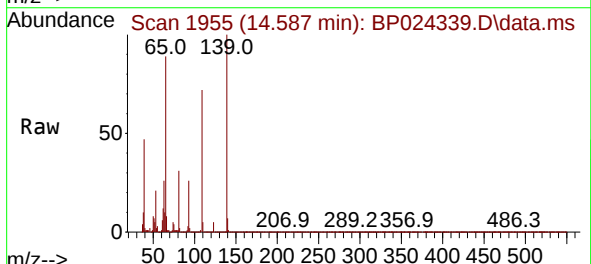
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

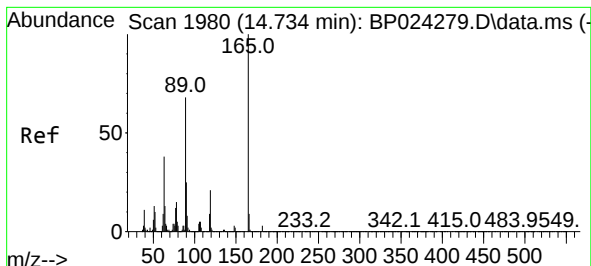
Tgt Ion:168 Resp: 2410517  
Ion Ratio Lower Upper  
168 100  
139 38.9 30.3 45.5  
169 13.1 10.6 16.0



#56  
4-Nitrophenol  
Concen: 88.632 ng  
RT: 14.587 min Scan# 1955  
Delta R.T. -0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:139 Resp: 813407  
Ion Ratio Lower Upper  
139 100  
109 71.9 46.1 86.1  
65 88.7 65.0 105.0

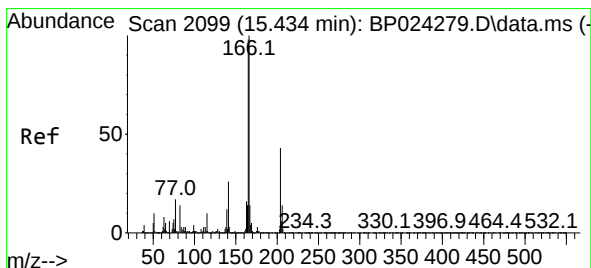
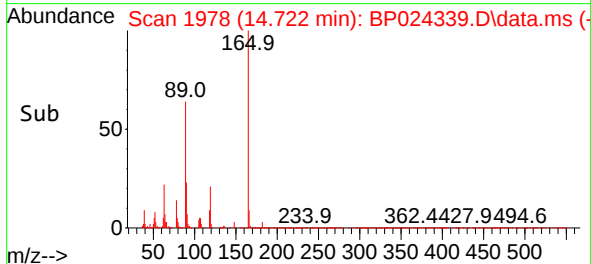
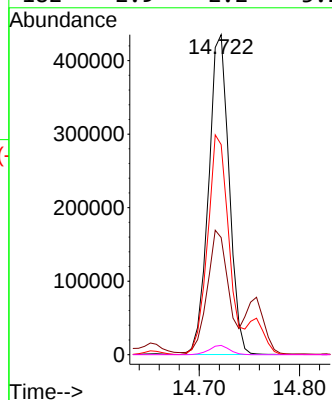
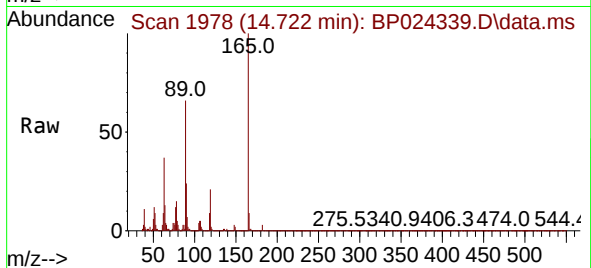




#57  
2,4-Dinitrotoluene  
Concen: 44.838 ng  
RT: 14.722 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

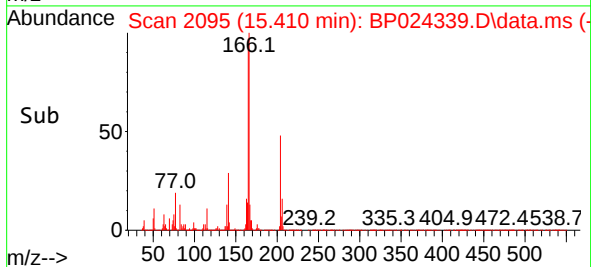
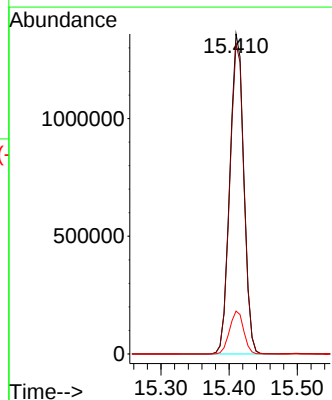
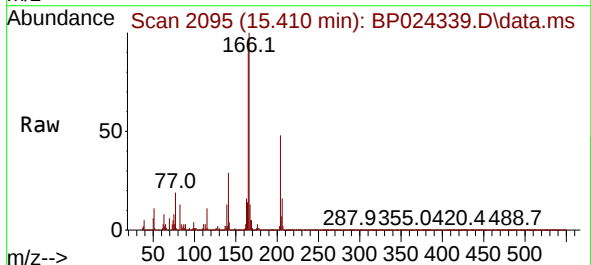
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

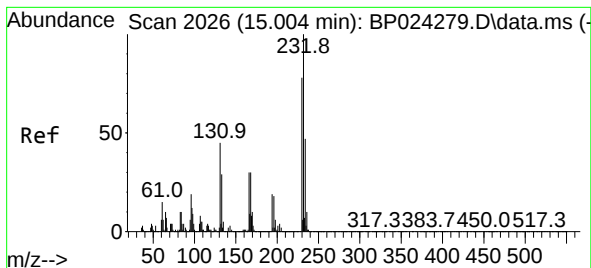
Tgt Ion:165 Resp: 618401  
Ion Ratio Lower Upper  
165 100  
63 36.6 30.4 45.6  
89 65.7 54.6 82.0  
182 2.9 2.2 3.2



#58  
Fluorene  
Concen: 42.779 ng  
RT: 15.410 min Scan# 2095  
Delta R.T. -0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:166 Resp: 1943368  
Ion Ratio Lower Upper  
166 100  
165 96.9 78.1 117.1  
167 13.4 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 43.507 ng

RT: 14.992 min Scan# 20

Delta R.T. 0.000 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

BNA\_P

ClientSampleId :

PB167625BS

Tgt Ion:232 Resp: 531925

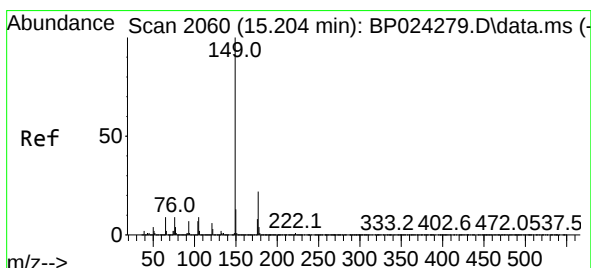
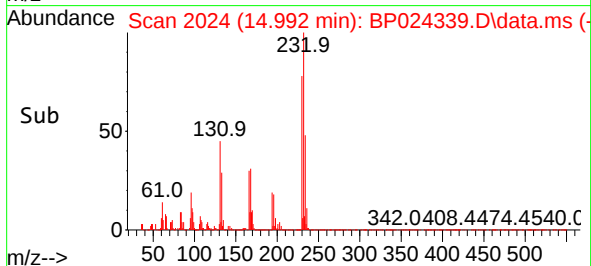
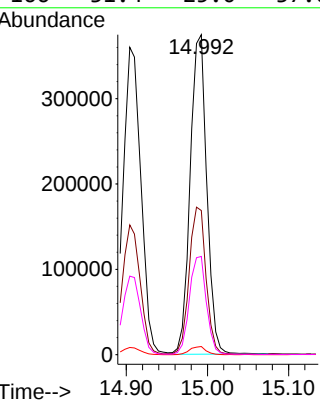
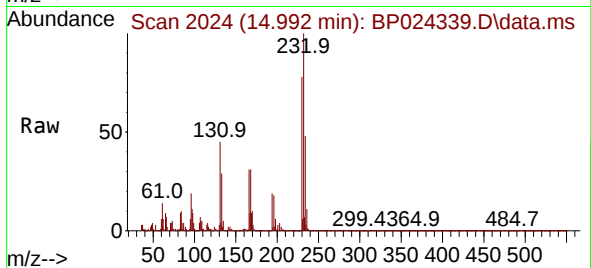
Ion Ratio Lower Upper

232 100

131 46.6 36.8 55.2

130 2.5 1.9 2.9

166 31.4 25.0 37.6



#60

Diethylphthalate

Concen: 41.504 ng

RT: 15.187 min Scan# 2057

Delta R.T. -0.006 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

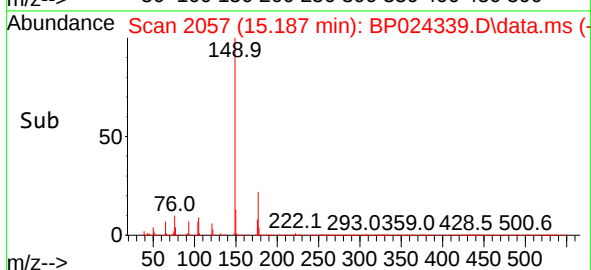
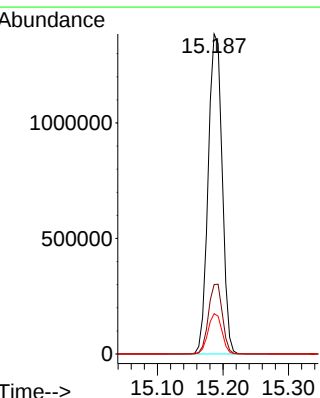
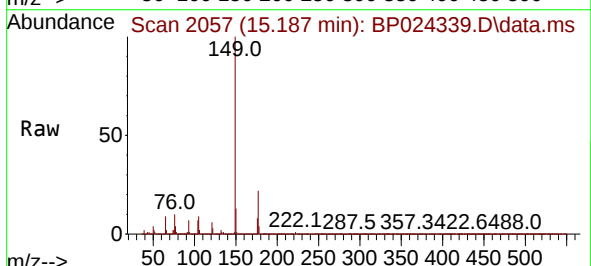
Tgt Ion:149 Resp: 2036418

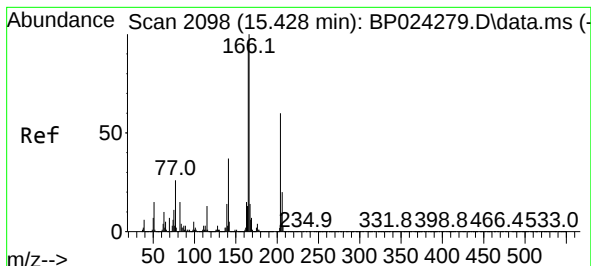
Ion Ratio Lower Upper

149 100

177 21.7 17.4 26.2

150 12.6 10.1 15.1

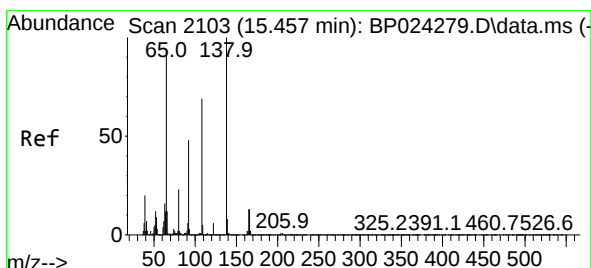
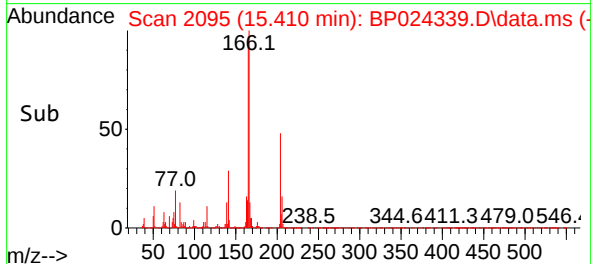
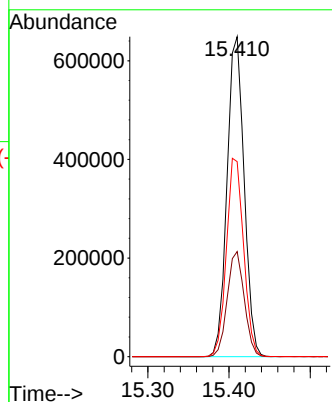
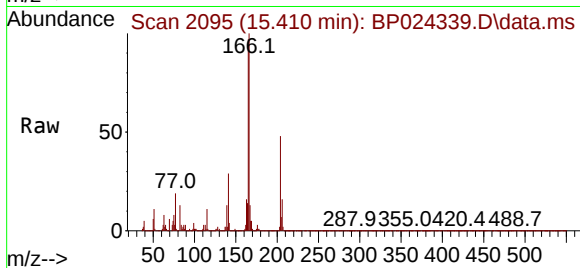




#61  
4-Chlorophenyl-phenylether  
Concen: 43.042 ng  
RT: 15.410 min Scan# 2095  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

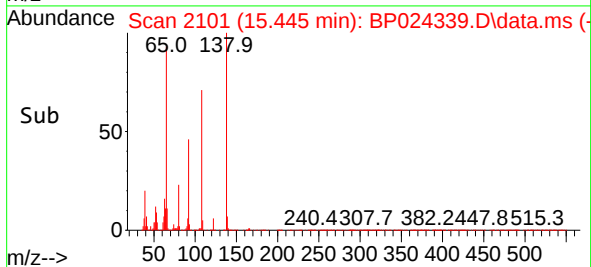
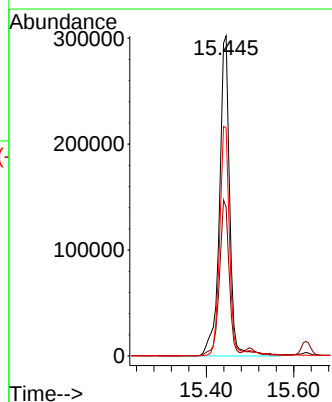
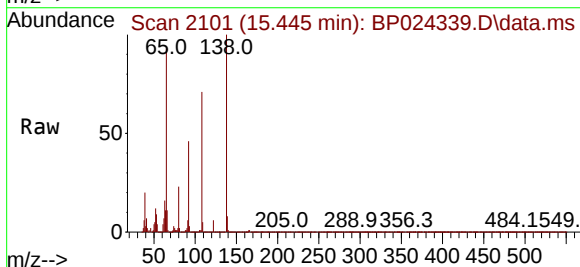
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

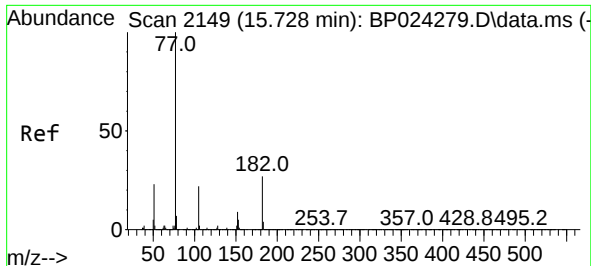
Tgt Ion:204 Resp: 949520  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.5 39.7  
141 61.0 49.4 74.0



#62  
4-Nitroaniline  
Concen: 43.470 ng  
RT: 15.445 min Scan# 2101  
Delta R.T. 0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:138 Resp: 488998  
Ion Ratio Lower Upper  
138 100  
92 46.5 27.8 67.8  
108 71.3 48.9 88.9

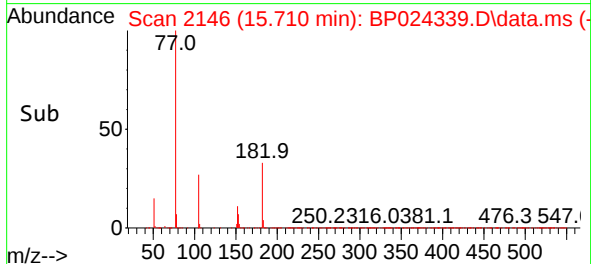
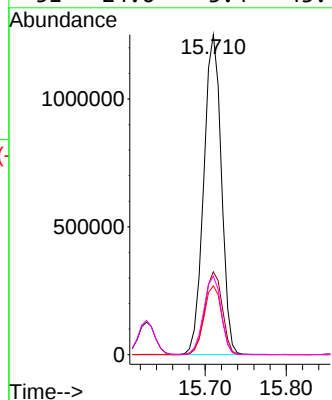
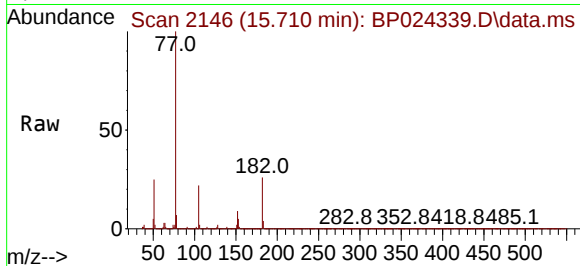




#63  
Azobenzene  
Concen: 41.550 ng  
RT: 15.710 min Scan# 2149  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

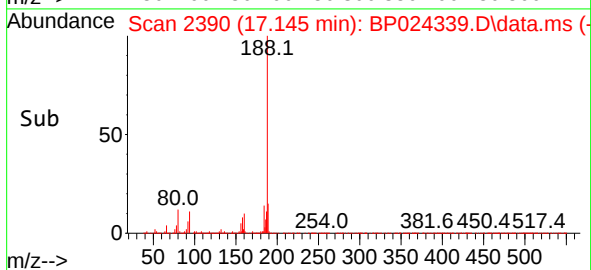
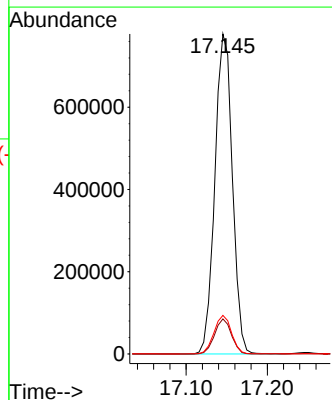
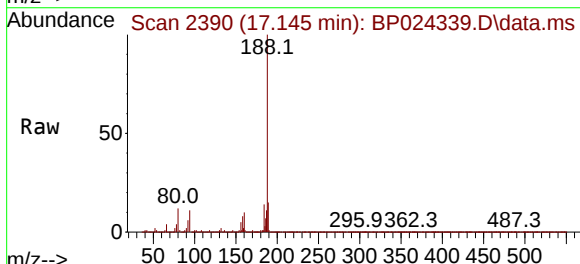
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

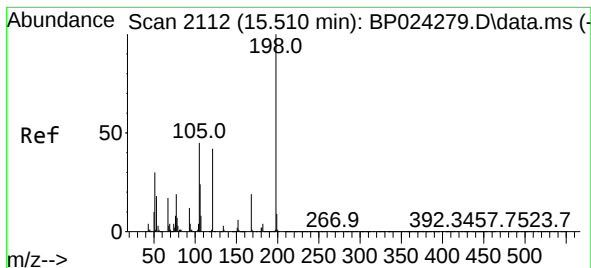
Tgt Ion: 77 Resp: 1873779  
Ion Ratio Lower Upper  
77 100  
182 25.9 7.3 47.3  
105 21.5 2.3 42.3  
51 24.6 3.4 43.4



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.145 min Scan# 2390  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion: 188 Resp: 1166735  
Ion Ratio Lower Upper  
188 100  
94 10.9 8.6 13.0  
80 12.1 9.8 14.6

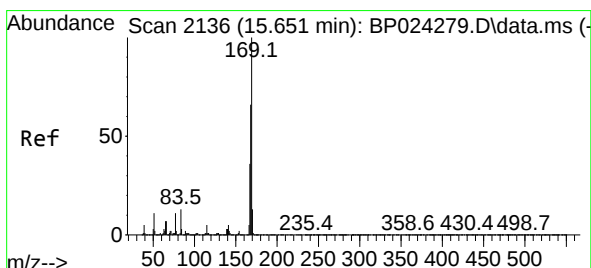
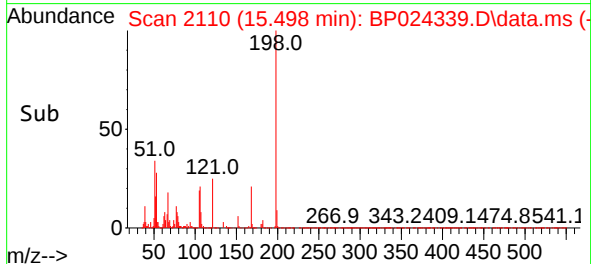
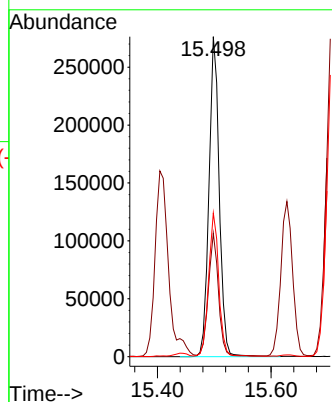
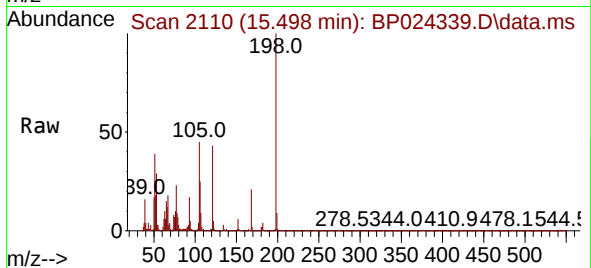




#65  
4,6-Dinitro-2-methylphenol  
Concen: 46.969 ng  
RT: 15.498 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

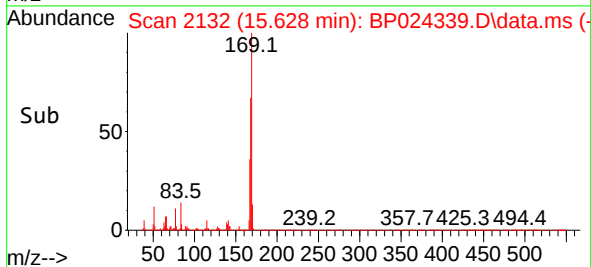
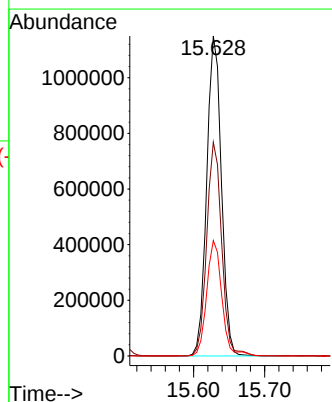
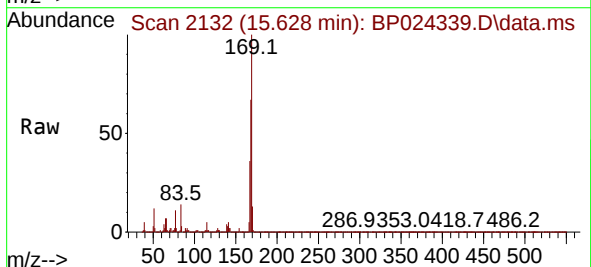
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BNA\_P  
ClientSampleId :  
PB167625BS

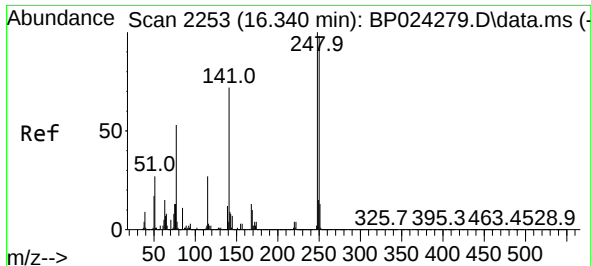
Tgt Ion:198 Resp: 345493  
Ion Ratio Lower Upper  
198 100  
51 38.5 18.4 58.4  
105 44.9 26.5 66.5



#66  
n-Nitrosodiphenylamine  
Concen: 47.448 ng  
RT: 15.628 min Scan# 2132  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:169 Resp: 1652360  
Ion Ratio Lower Upper  
169 100  
168 66.8 53.0 79.4  
167 36.1 28.9 43.3

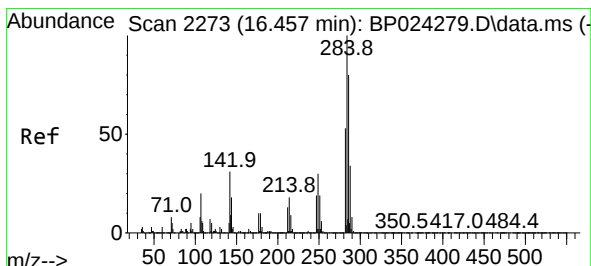
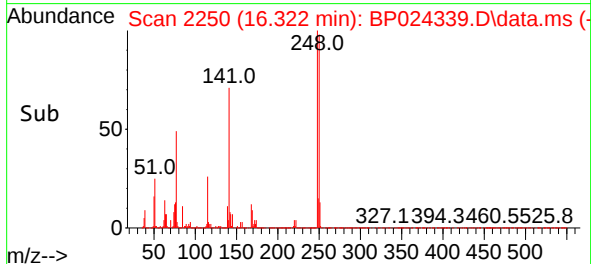
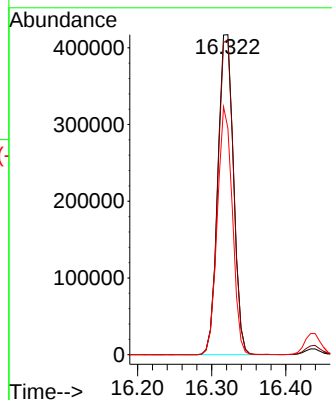
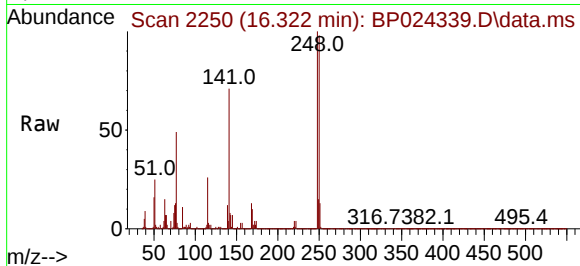




#67  
4-Bromophenyl-phenylether  
Concen: 48.066 ng  
RT: 16.322 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

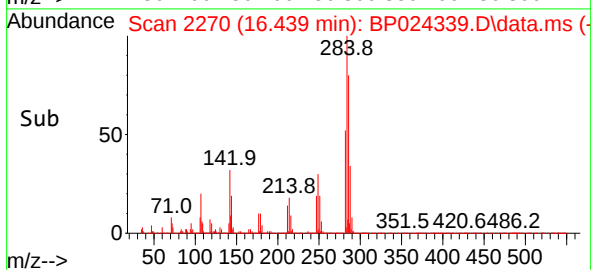
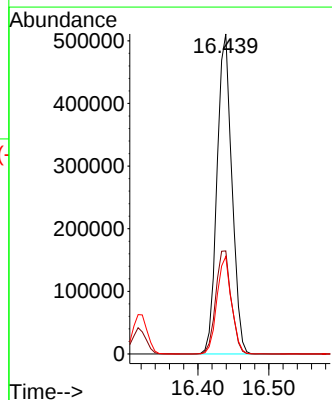
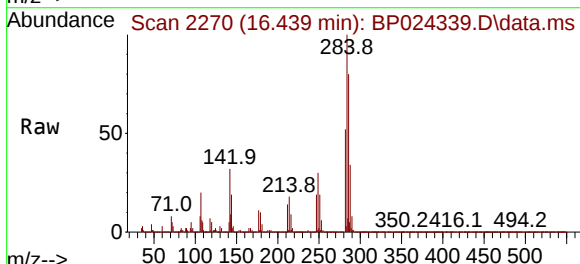
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

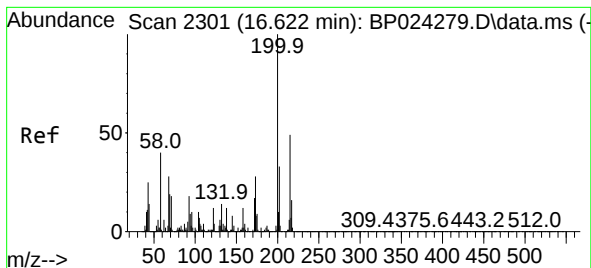
Tgt Ion:248 Resp: 613342  
Ion Ratio Lower Upper  
248 100  
250 98.5 78.2 117.4  
141 70.8 57.7 86.5



#68  
Hexachlorobenzene  
Concen: 48.692 ng  
RT: 16.439 min Scan# 2270  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:284 Resp: 738312  
Ion Ratio Lower Upper  
284 100  
142 32.2 24.6 37.0  
249 30.4 23.8 35.6





#69

Atrazine

Concen: 62.879 ng

RT: 16.610 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

BNA\_P

ClientSampleId :

PB167625BS

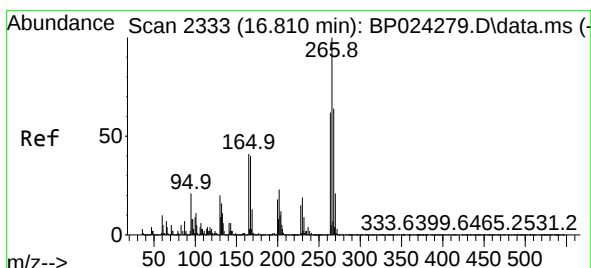
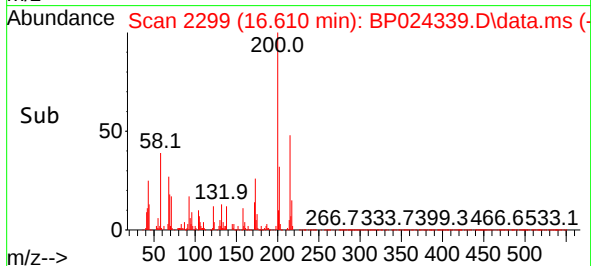
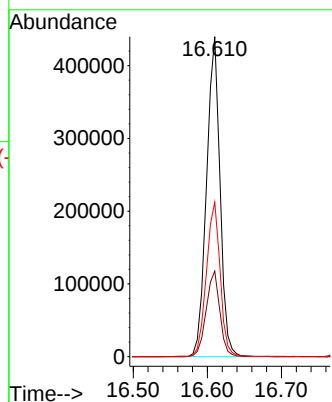
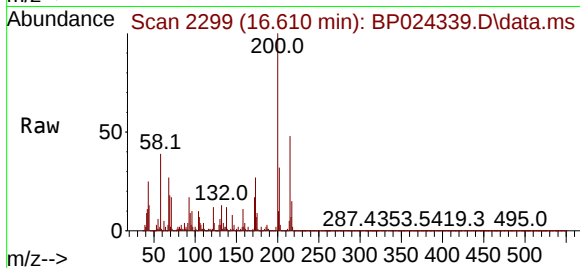
Tgt Ion:200 Resp: 557700

Ion Ratio Lower Upper

200 100

173 26.8 7.5 47.5

215 48.3 28.8 68.8



#70

Pentachlorophenol

Concen: 94.298 ng

RT: 16.792 min Scan# 2330

Delta R.T. -0.006 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

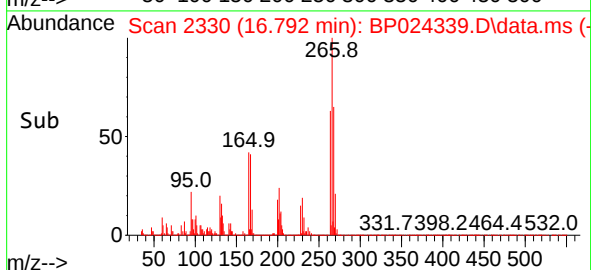
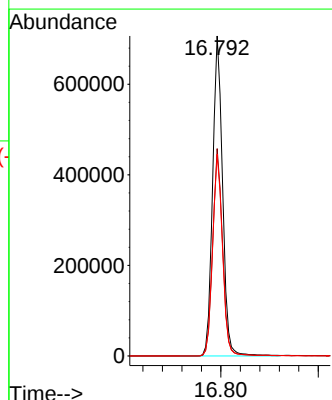
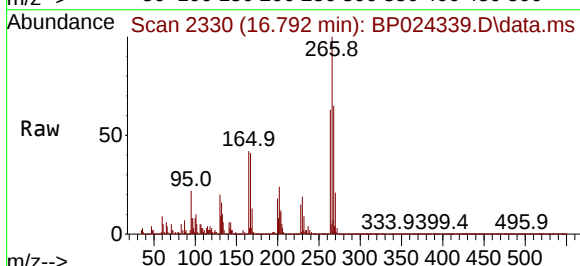
Tgt Ion:266 Resp: 997488

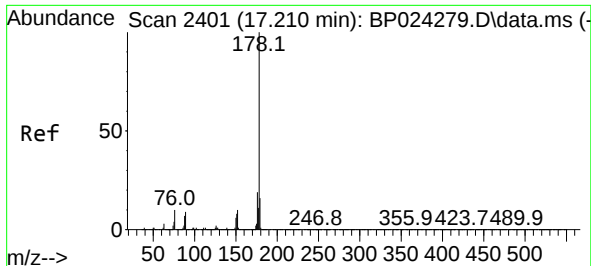
Ion Ratio Lower Upper

266 100

268 64.8 51.0 76.6

264 63.1 49.8 74.6

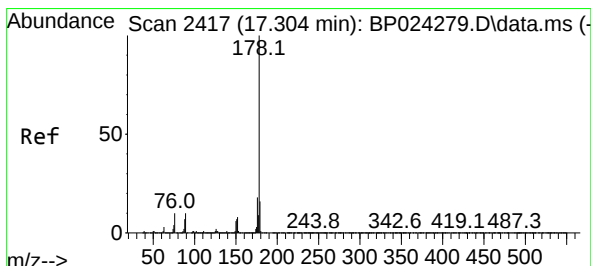
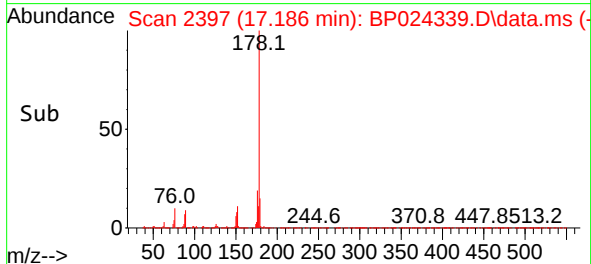
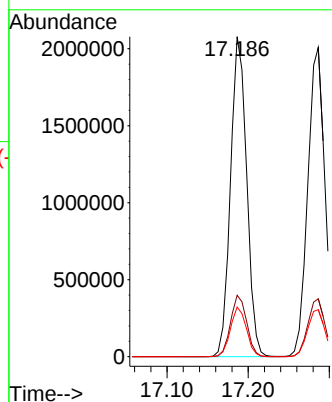
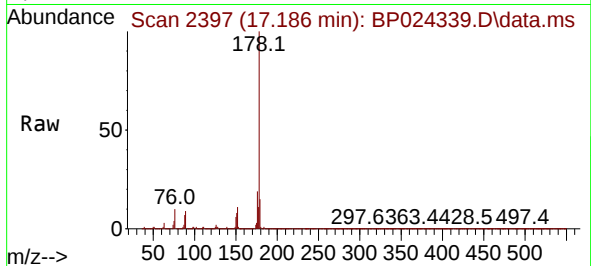




#71  
Phenanthrene  
Concen: 45.088 ng  
RT: 17.186 min Scan# 2111  
Delta R.T. -0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

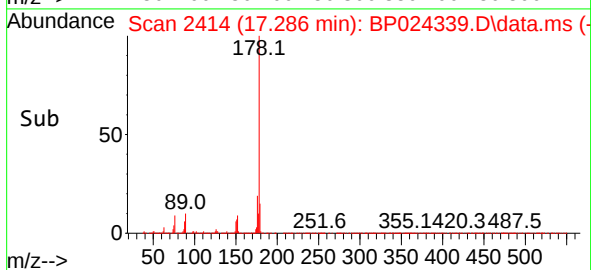
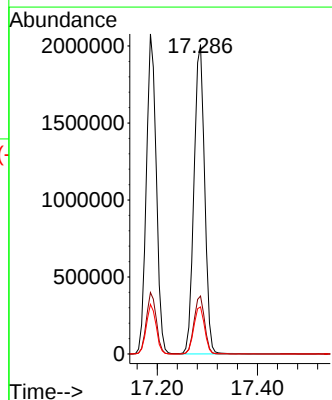
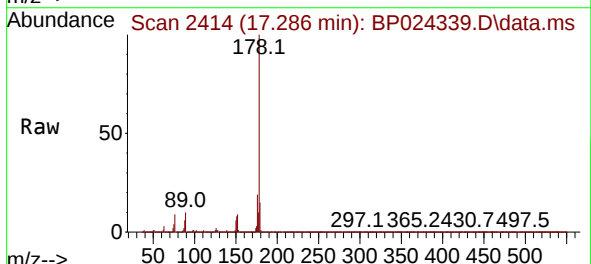
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

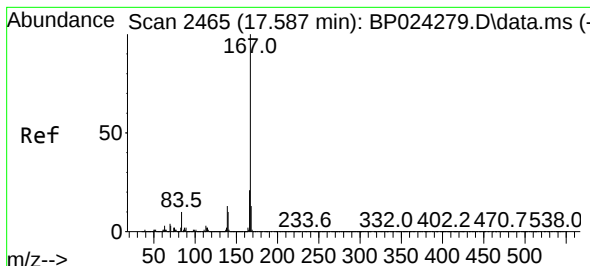
Tgt Ion:178 Resp: 2869809  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.4 23.0  
179 15.5 12.5 18.7



#72  
Anthracene  
Concen: 48.070 ng  
RT: 17.286 min Scan# 2414  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:178 Resp: 2948832  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.7 22.1  
179 15.2 12.4 18.6





#73

Carbazole

Concen: 45.246 ng

RT: 17.563 min Scan# 24

Delta R.T. -0.006 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

BNA\_P

ClientSampleId :

PB167625BS

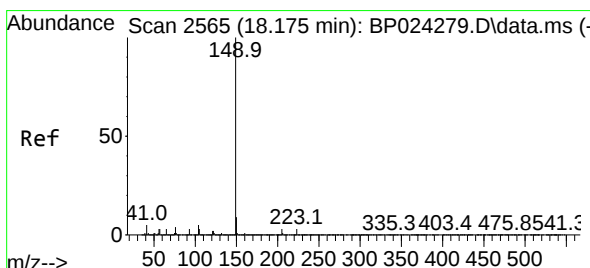
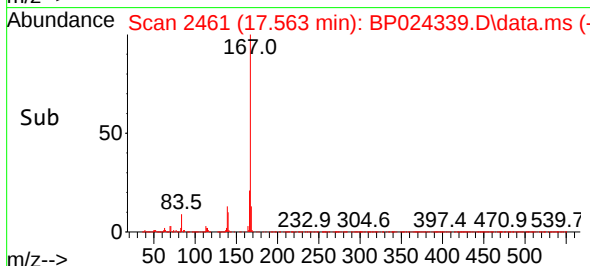
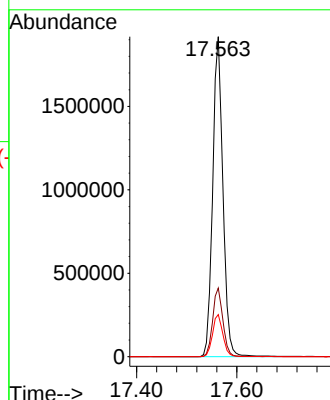
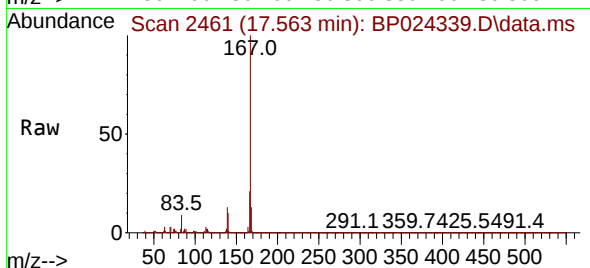
Tgt Ion:167 Resp: 2711947

Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

139 13.2 10.6 16.0



#74

Di-n-butylphthalate

Concen: 45.711 ng

RT: 18.157 min Scan# 2562

Delta R.T. 0.000 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

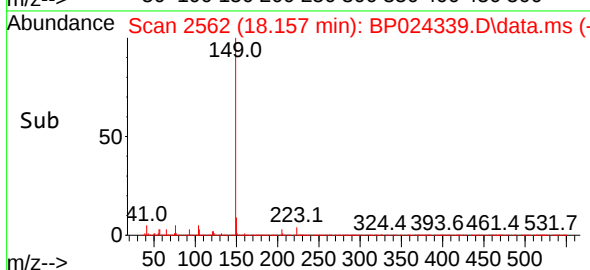
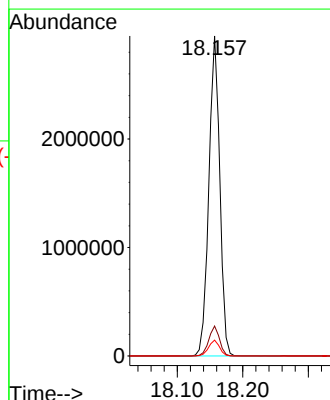
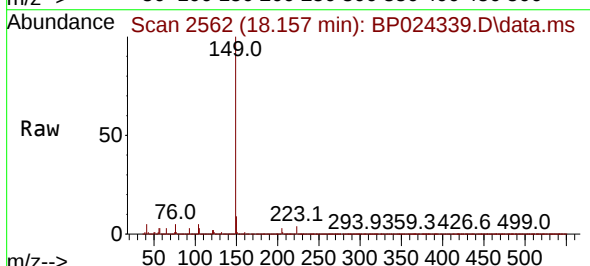
Tgt Ion:149 Resp: 3413441

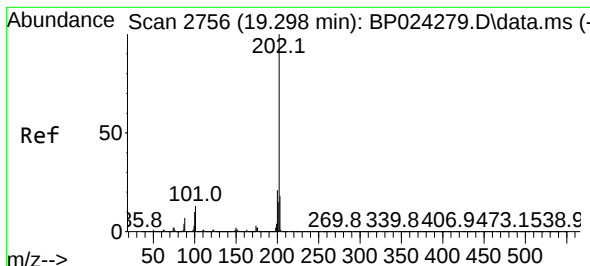
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.2

104 5.0 3.9 5.9

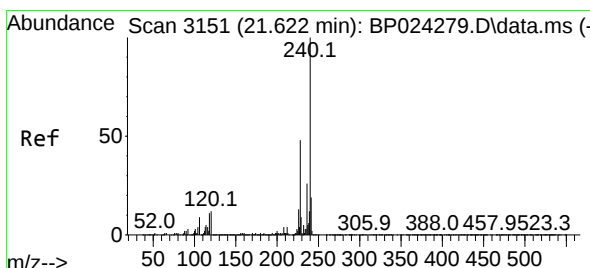
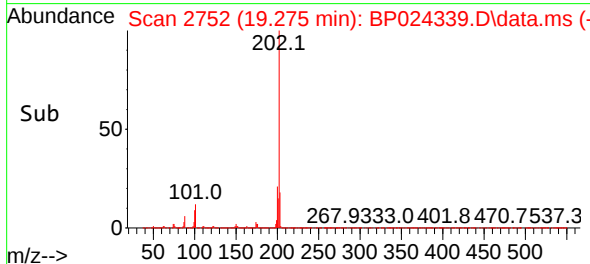
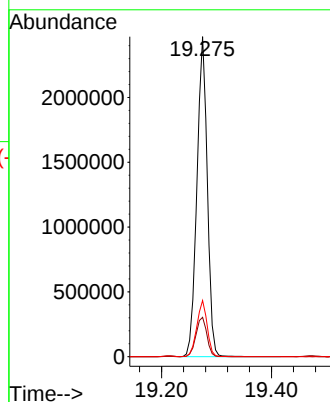
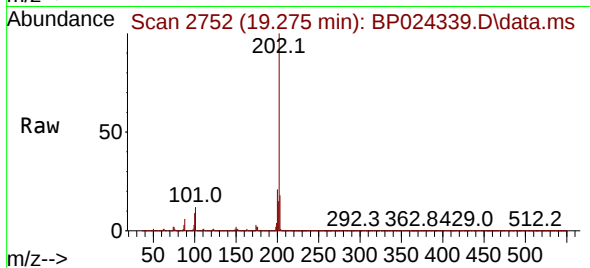




#75  
Fluoranthene  
Concen: 42.701 ng  
RT: 19.275 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

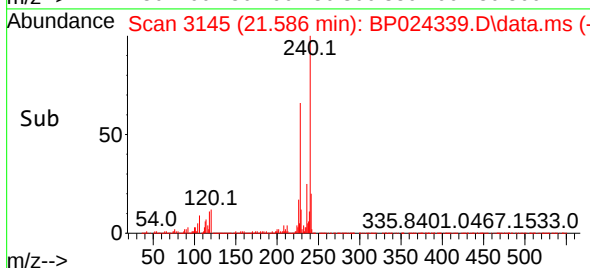
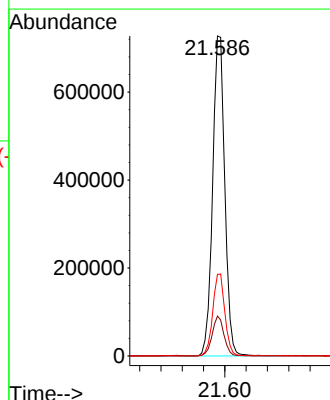
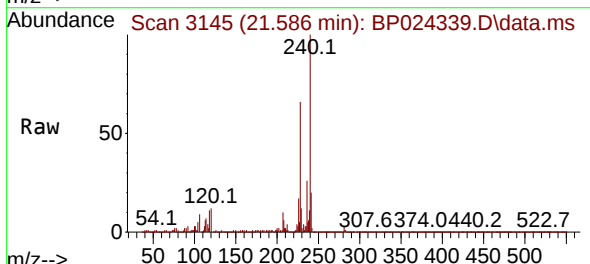
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

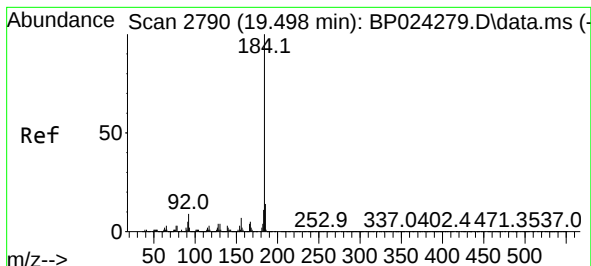
Tgt Ion:202 Resp: 3232449  
Ion Ratio Lower Upper  
202 100  
101 12.3 0.0 33.2  
203 17.6 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.586 min Scan# 3145  
Delta R.T. -0.006 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:240 Resp: 1153642  
Ion Ratio Lower Upper  
240 100  
120 12.5 9.8 14.8  
236 25.5 20.9 31.3





#77

Benzidine

Concen: 110.930 ng

RT: 19.475 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

BNA\_P

ClientSampleId :

PB167625BS

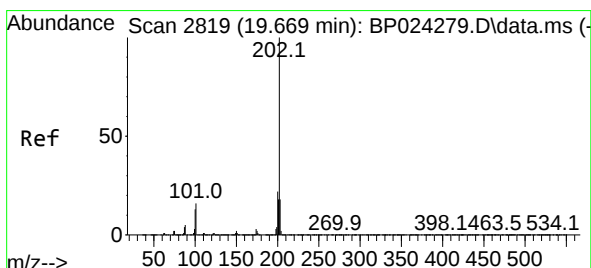
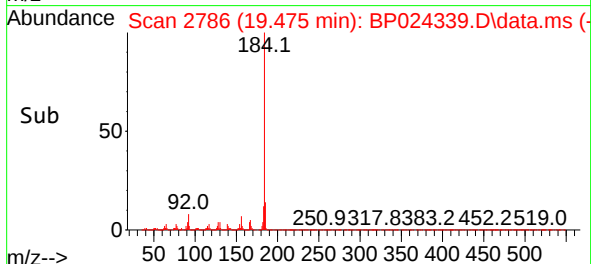
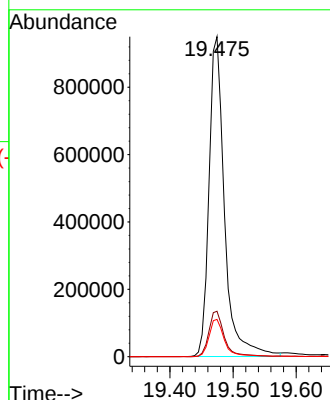
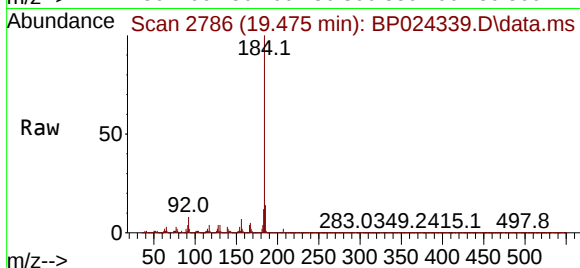
Tgt Ion:184 Resp: 1622177

Ion Ratio Lower Upper

184 100

185 14.2 11.6 17.4

183 11.7 9.2 13.8



#78

Pyrene

Concen: 45.372 ng

RT: 19.651 min Scan# 2816

Delta R.T. 0.000 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

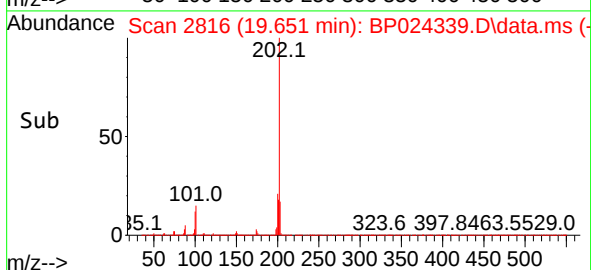
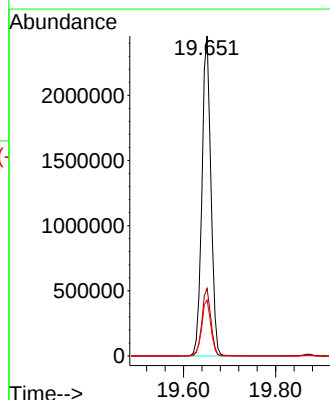
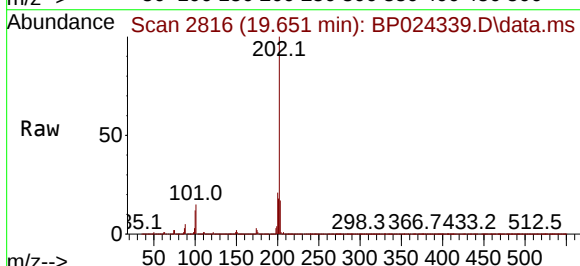
Tgt Ion:202 Resp: 3326485

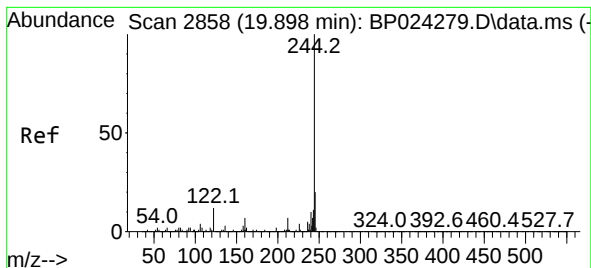
Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

203 17.5 14.4 21.6





#79

Terphenyl-d14

Concen: 89.490 ng

RT: 19.875 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

BNA\_P

ClientSampleId :

PB167625BS

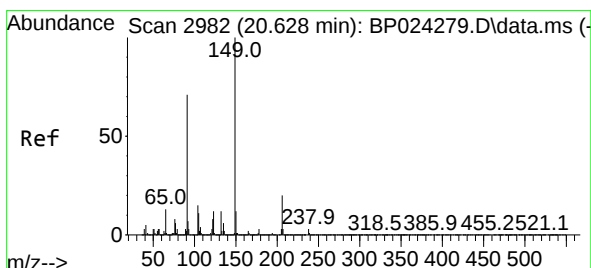
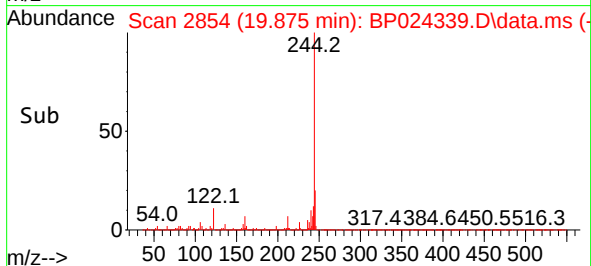
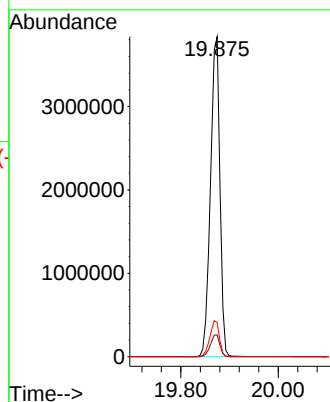
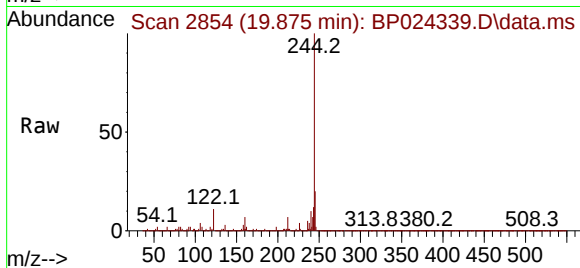
Tgt Ion:244 Resp: 5121941

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.7 9.4 14.0



#80

Butylbenzylphthalate

Concen: 48.752 ng

RT: 20.604 min Scan# 2978

Delta R.T. 0.000 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

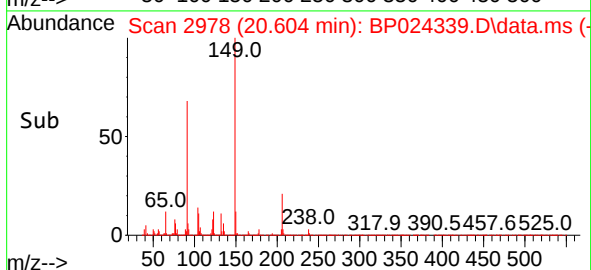
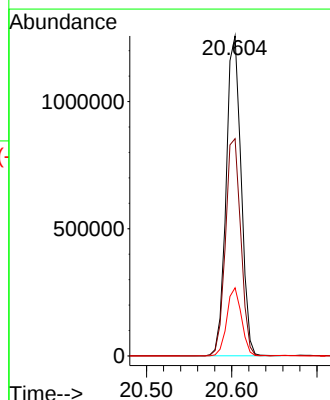
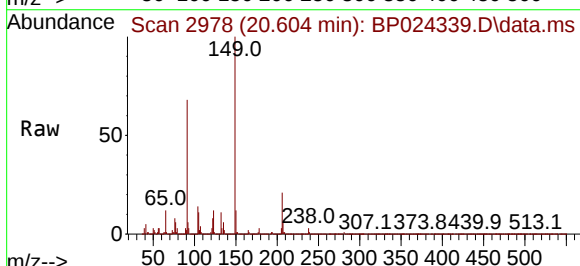
Tgt Ion:149 Resp: 1530954

Ion Ratio Lower Upper

149 100

91 67.9 56.4 84.6

206 21.3 16.3 24.5





#81

Benzo(a)anthracene

Concen: 46.463 ng

RT: 21.569 min Scan# 3147

Delta R.T. 0.000 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

BNA\_P

ClientSampleId :

PB167625BS

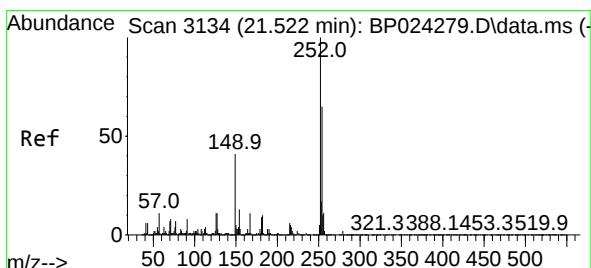
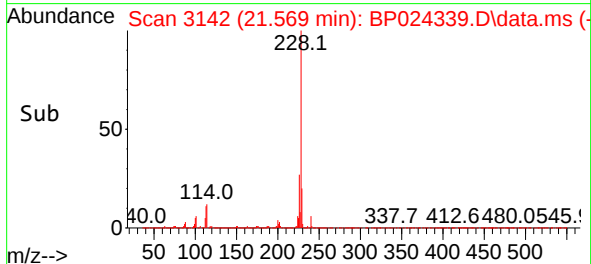
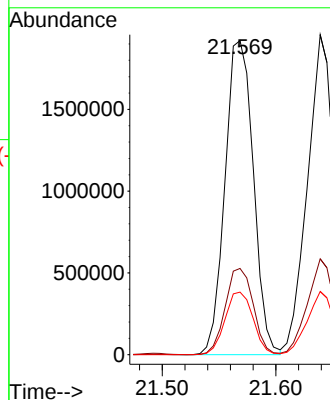
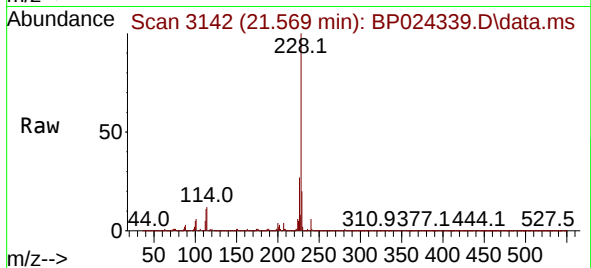
Tgt Ion:228 Resp: 3331673

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

229 19.9 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 31.353 ng

RT: 21.492 min Scan# 3129

Delta R.T. 0.000 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

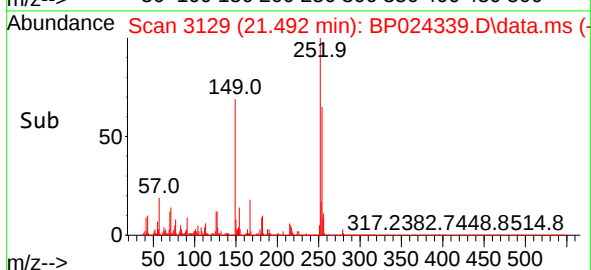
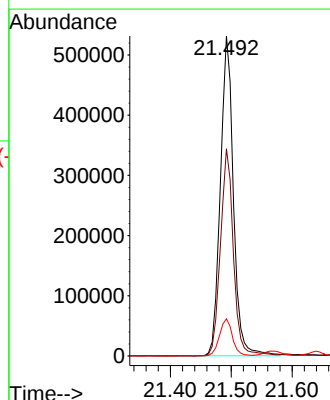
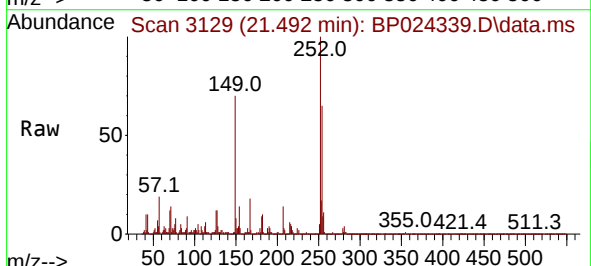
Tgt Ion:252 Resp: 789098

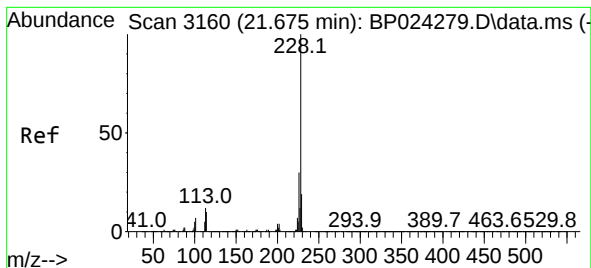
Ion Ratio Lower Upper

252 100

254 64.8 51.7 77.5

126 11.6 8.8 13.2





#83

Chrysene

Concen: 46.126 ng

RT: 21.639 min Scan# 3160

Delta R.T. 0.000 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

BNA\_P

ClientSampleId :

PB167625BS

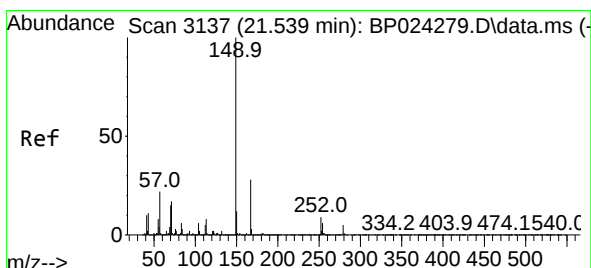
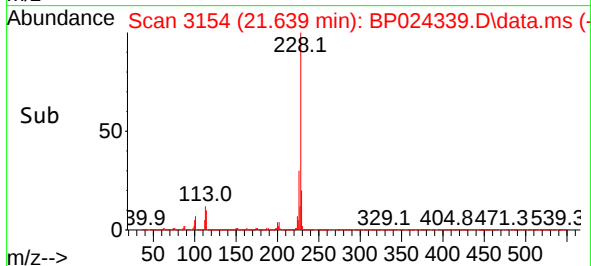
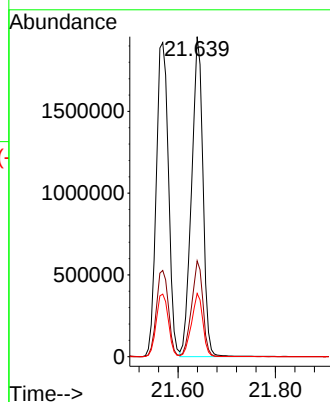
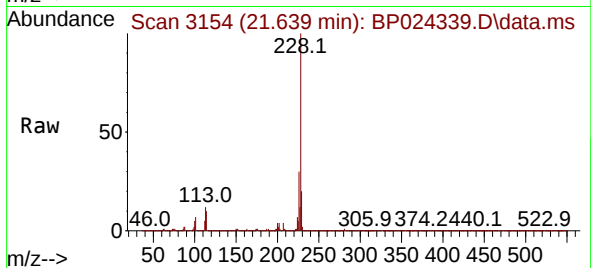
Tgt Ion:228 Resp: 3168712

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.2

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.576 ng

RT: 21.510 min Scan# 3132

Delta R.T. 0.000 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

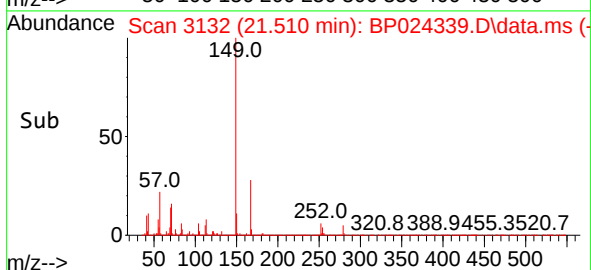
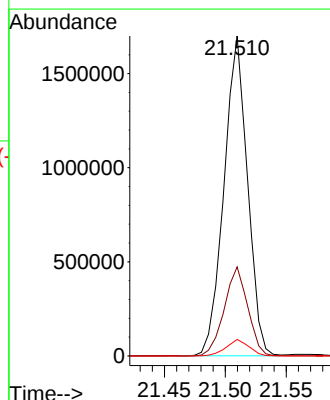
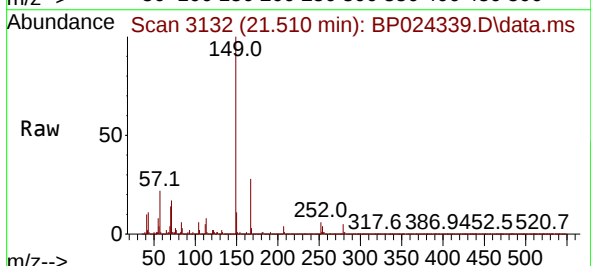
Tgt Ion:149 Resp: 2282241

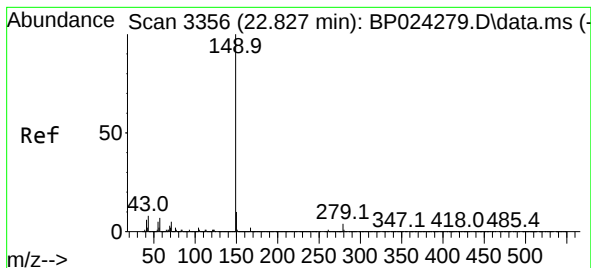
Ion Ratio Lower Upper

149 100

167 27.9 22.4 33.6

279 5.2 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 52.102 ng

RT: 22.780 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

BNA\_P

ClientSampleId :

PB167625BS

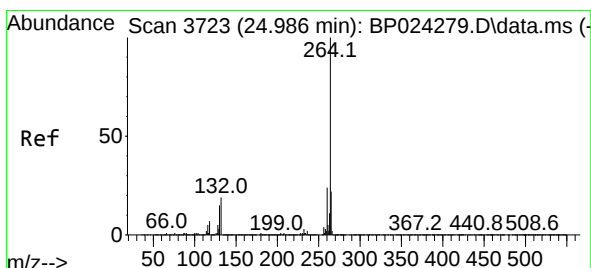
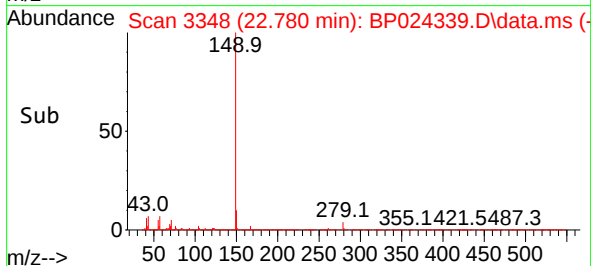
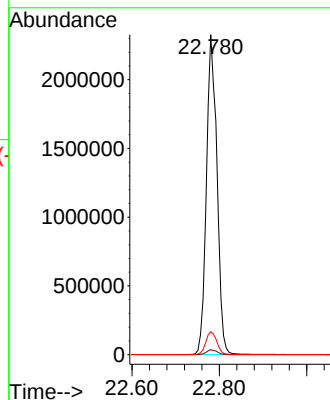
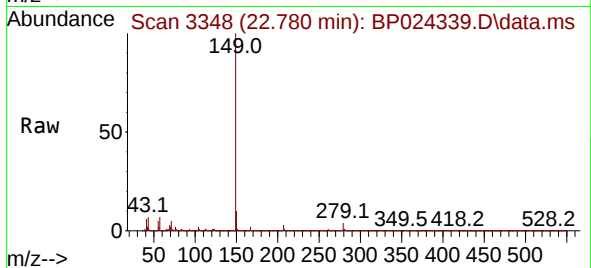
Tgt Ion:149 Resp: 3899293

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 7.4 6.0 9.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.939 min Scan# 3715

Delta R.T. 0.006 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

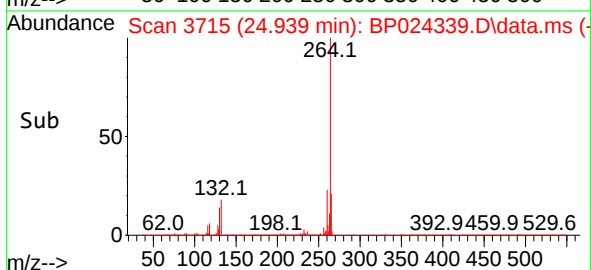
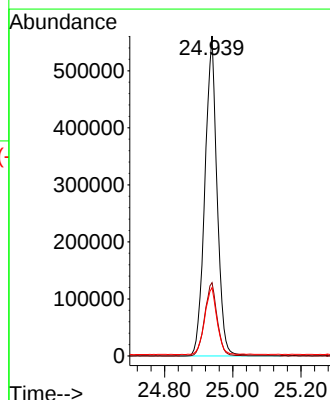
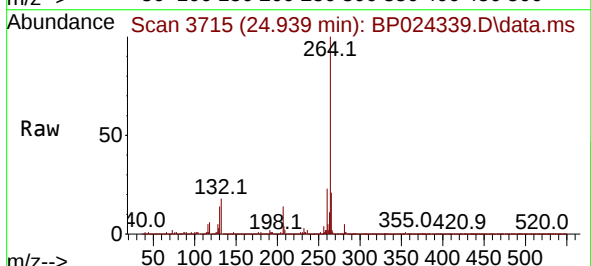
Tgt Ion:264 Resp: 1393018

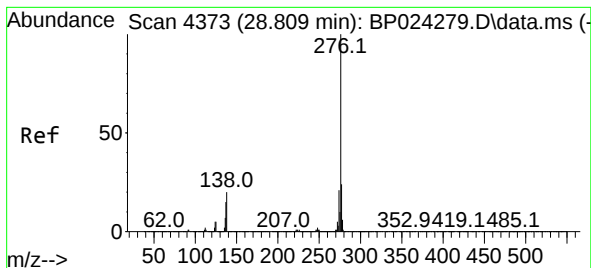
Ion Ratio Lower Upper

264 100

260 22.9 18.9 28.3

265 21.4 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.331 ng

RT: 28.715 min Scan# 41

Delta R.T. -0.023 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

Instrument :

BNA\_P

ClientSampleId :

PB167625BS

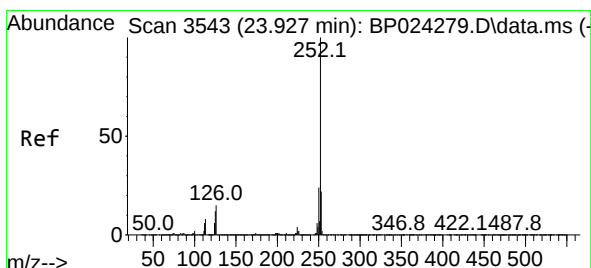
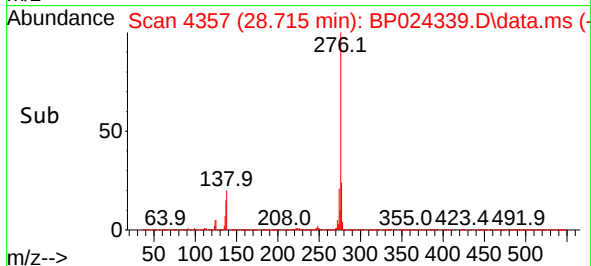
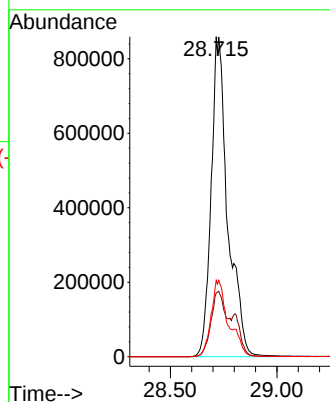
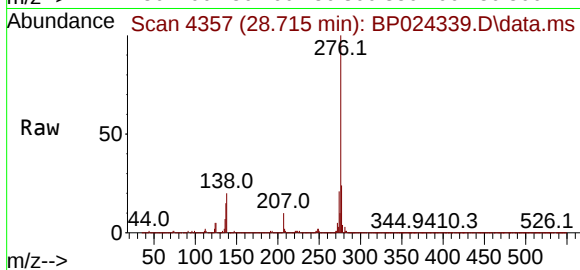
Tgt Ion:276 Resp: 4674044

Ion Ratio Lower Upper

276 100

138 19.2 14.5 21.7

277 21.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 43.142 ng

RT: 23.874 min Scan# 3534

Delta R.T. -0.012 min

Lab File: BP024339.D

Acq: 18 Apr 2025 12:35

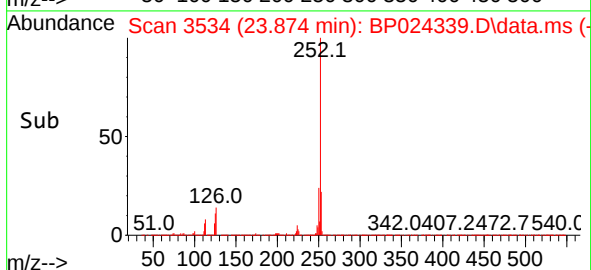
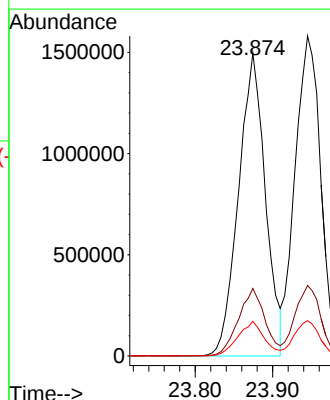
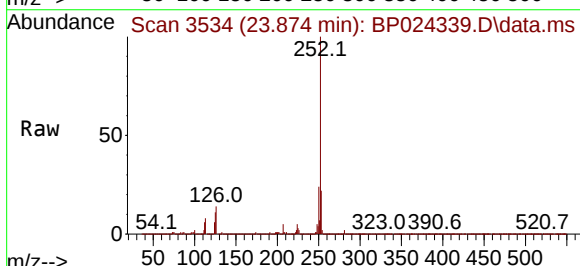
Tgt Ion:252 Resp: 3602298

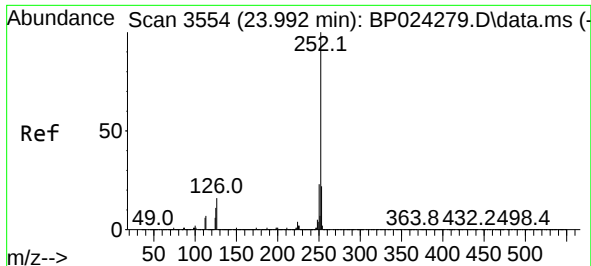
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 11.4 9.4 14.0

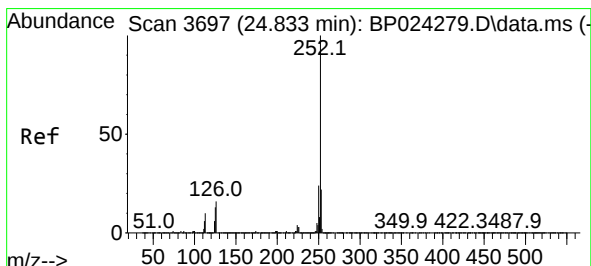
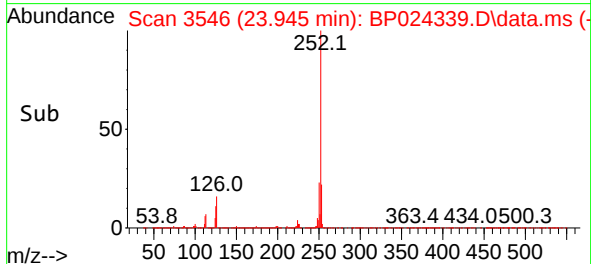
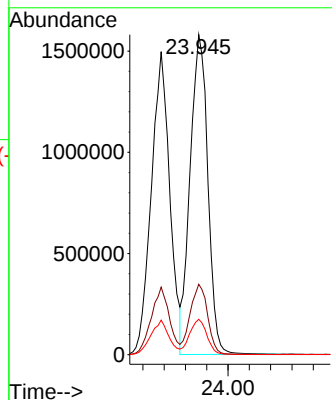
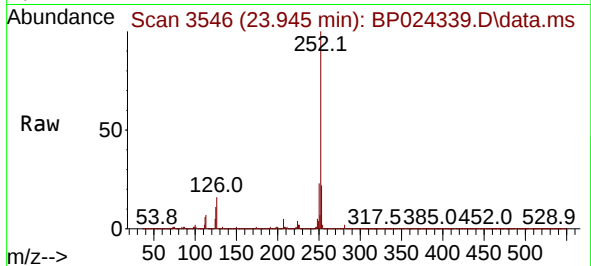




#89  
Benzo(k)fluoranthene  
Concen: 45.233 ng  
RT: 23.945 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

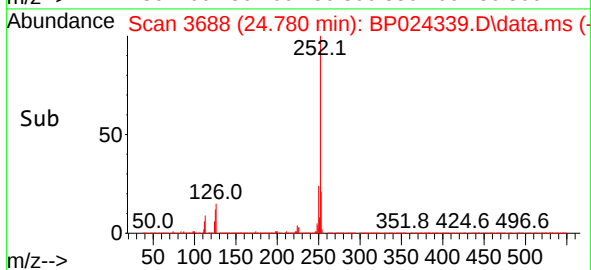
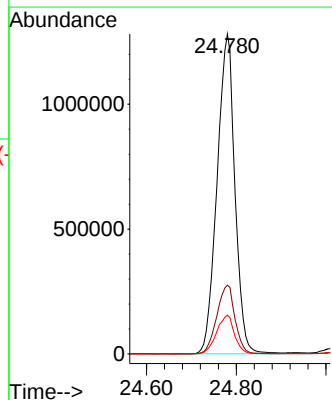
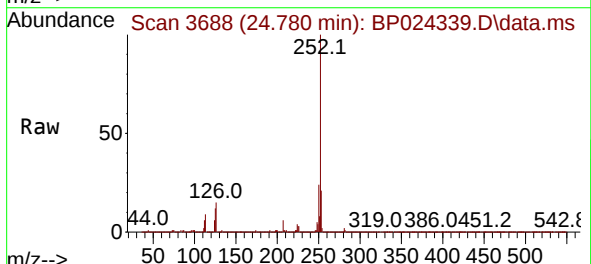
Instrument :  
BNA\_P  
ClientSampleId :  
PB167625BS

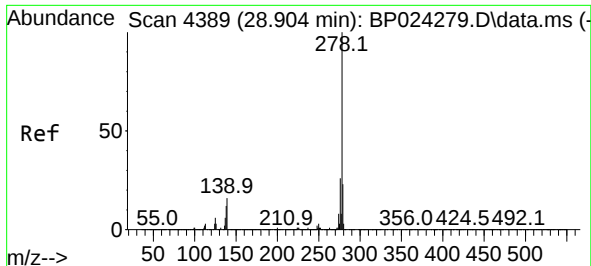
Tgt Ion:252 Resp: 3648268  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.7 26.5  
125 11.0 9.1 13.7



#90  
Benzo(a)pyrene  
Concen: 49.215 ng  
RT: 24.780 min Scan# 3688  
Delta R.T. 0.000 min  
Lab File: BP024339.D  
Acq: 18 Apr 2025 12:35

Tgt Ion:252 Resp: 3544769  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.6 26.4  
125 12.2 10.1 15.1



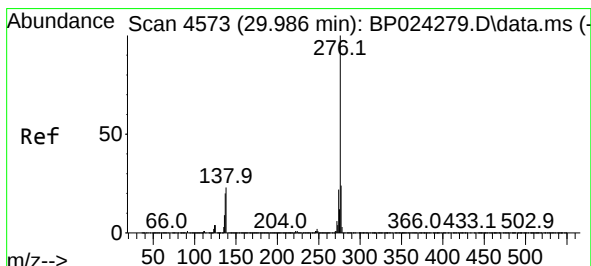
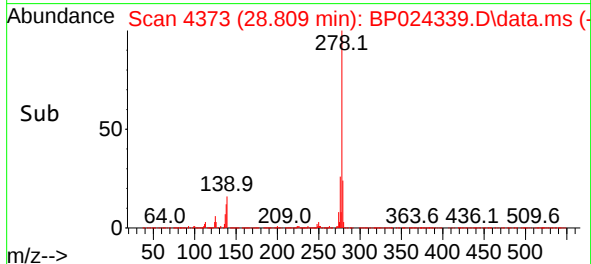
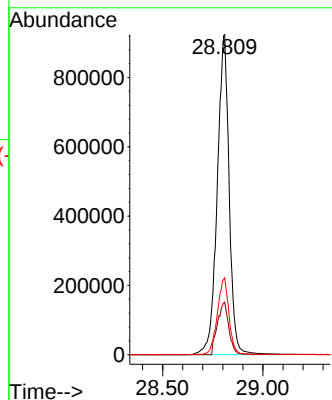
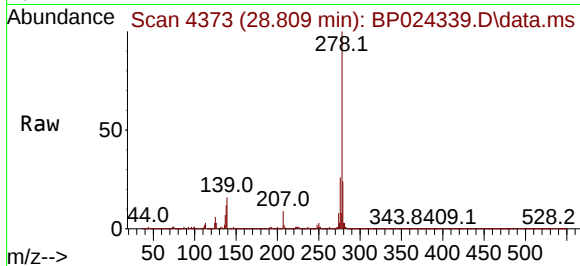


#91  
 Dibenzo(a,h)anthracene  
 Concen: 47.665 ng  
 RT: 28.809 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: BP024339.D  
 Acq: 18 Apr 2025 12:35

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB167625BS

Tgt Ion:278 Resp: 3826153  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 16.4  | 12.6  | 19.0  |
| 279 | 24.0  | 18.5  | 27.7  |



#92  
 Benzo(g,h,i)perylene  
 Concen: 45.808 ng  
 RT: 29.903 min Scan# 4559  
 Delta R.T. 0.006 min  
 Lab File: BP024339.D  
 Acq: 18 Apr 2025 12:35

Tgt Ion:276 Resp: 3742703  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.8  | 18.9  | 28.3  |
| 138 | 22.2  | 18.7  | 28.1  |

