

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040425\  
 Data File : BM049820.D  
 Acq On : 04 Apr 2025 12:35  
 Operator : RC/JU  
 Sample : PB167428BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB167428BS

Quant Time: Apr 04 13:12:36 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 13 14:55:34 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.786  | 152  | 421061   | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8            | 10.580 | 136  | 1439318  | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.427 | 164  | 860722   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 17.168 | 188  | 1585330  | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 21.409 | 240  | 1410805  | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 24.409 | 264  | 1340554  | 20.000  | ng    | -0.03    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.369  | 112  | 3526170  | 141.305 | ng    | -0.02    |
| 7) Phenol-d6                  | 6.963  | 99   | 4211557  | 134.484 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 8.945  | 82   | 2488788  | 88.777  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 15.921 | 330  | 1796787  | 178.773 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.051 | 172  | 6309844  | 91.810  | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.797 | 244  | 8866065  | 105.900 | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.269  | 88   | 411999   | 38.139  | ng    | 95       |
| 3) Pyridine                   | 3.669  | 79   | 1135868  | 41.172  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.575  | 42   | 488748   | 40.038  | ng    | 91       |
| 6) Aniline                    | 7.116  | 93   | 979379   | 37.329  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.357  | 128  | 1231004  | 49.815  | ng    | 96       |
| 9) Benzaldehyde               | 6.922  | 77   | 624810   | 40.358  | ng    | 96       |
| 10) Phenol                    | 6.992  | 94   | 1466079  | 48.281  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 7.210  | 93   | 1164156  | 47.343  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.675  | 146  | 1458803  | 48.576  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.822  | 146  | 1467310  | 48.431  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.139  | 146  | 1405476  | 48.813  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.028  | 79   | 950752   | 48.378  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.310  | 45   | 1346308  | 46.584  | ng    | 98       |
| 17) 2-Methylphenol            | 8.233  | 107  | 930990   | 51.641  | ng    | 96       |
| 18) Hexachloroethane          | 8.869  | 117  | 519913   | 48.594  | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 8.598  | 70   | 832781   | 45.860  | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.563  | 107  | 1242693  | 51.437  | ng    | 98       |
| 22) Acetophenone              | 8.610  | 105  | 1666900  | 44.916  | ng    | 97       |
| 24) Nitrobenzene              | 8.986  | 77   | 1194316  | 45.181  | ng    | 94       |
| 25) Isophorone                | 9.516  | 82   | 2184000  | 50.741  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.698  | 139  | 624301   | 55.489  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 9.763  | 122  | 1036748  | 72.393  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 9.992  | 93   | 1408211  | 46.452  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.233 | 162  | 1161206  | 49.761  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.445 | 180  | 1380042  | 47.267  | ng    | 99       |
| 31) Naphthalene               | 10.633 | 128  | 3410717  | 46.084  | ng    | 99       |
| 32) Benzoic acid              | 9.910  | 122  | 698987   | 57.390  | ng    | 96       |
| 33) 4-Chloroaniline           | 10.739 | 127  | 426442   | 16.883  | ng    | 97       |
| 34) Hexachlorobutadiene       | 10.922 | 225  | 874461   | 48.517  | ng    | 99       |
| 35) Caprolactam               | 11.527 | 113  | 290803   | 53.675  | ng    | 89       |
| 36) 4-Chloro-3-methylphenol   | 11.874 | 107  | 978414   | 48.857  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.245 | 142  | 2194041  | 42.396  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.469 | 142  | 2303069  | 46.126  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.621 | 216  | 1538543  | 48.663  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.604 | 237  | 2360762  | 201.555 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.863 | 196  | 933673   | 52.729  | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040425\  
 Data File : BM049820.D  
 Acq On : 04 Apr 2025 12:35  
 Operator : RC/JU  
 Sample : PB167428BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB167428BS

Quant Time: Apr 04 13:12:36 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 13 14:55:34 2025  
 Response via : Initial Calibration

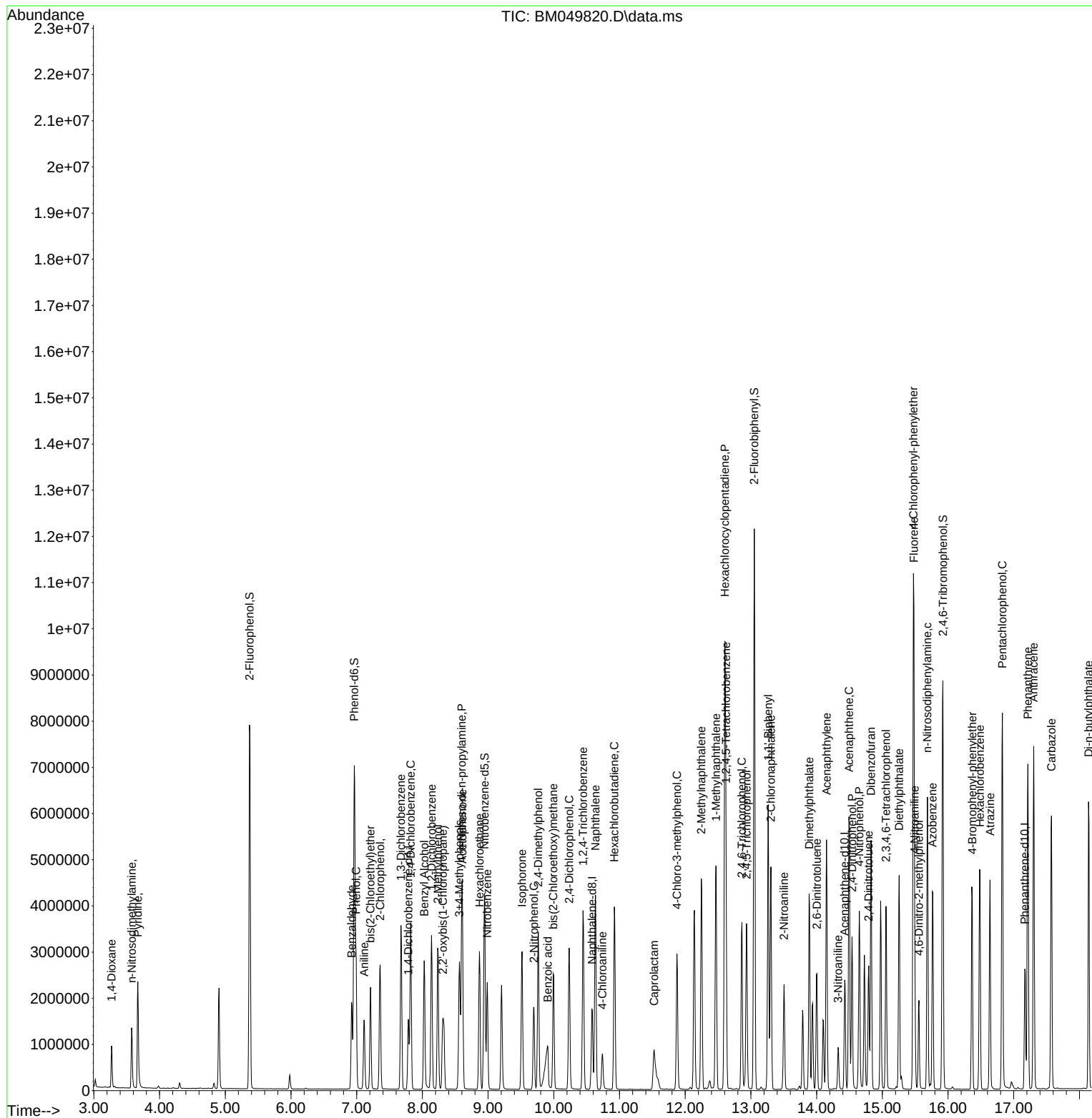
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.933 | 196  | 992516   | 51.365  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.263 | 154  | 3110726  | 46.893  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.304 | 162  | 2454540  | 47.537  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.504 | 65   | 569765   | 49.155  | ng    | 92       |
| 49) Acenaphthylene            | 14.151 | 152  | 3808801  | 52.773  | ng    | 99       |
| 50) Dimethylphthalate         | 13.886 | 163  | 2845426  | 48.016  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.004 | 165  | 606954   | 51.116  | ng    | 88       |
| 52) Acenaphthene              | 14.492 | 154  | 2213902  | 46.765  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.327 | 138  | 243923   | 21.587  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.539 | 184  | 779978   | 95.619  | ng    | 91       |
| 55) Dibenzofuran              | 14.827 | 168  | 3554967  | 45.065  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.651 | 139  | 1071551  | 108.947 | ng    | 89       |
| 57) 2,4-Dinitrotoluene        | 14.792 | 165  | 830895   | 54.381  | ng    | 94       |
| 58) Fluorene                  | 15.480 | 166  | 2982094  | 46.431  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.057 | 232  | 817324   | 50.531  | ng    | 98       |
| 60) Diethylphthalate          | 15.257 | 149  | 2688604  | 48.172  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.474 | 204  | 1630217  | 46.482  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.492 | 138  | 568749   | 42.751  | ng    | 94       |
| 63) Azobenzene                | 15.762 | 77   | 2333127  | 43.765  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.557 | 198  | 472950   | 53.267  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.686 | 169  | 2444332  | 50.889  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.368 | 248  | 933250   | 50.987  | ng    | 97       |
| 68) Hexachlorobenzene         | 16.486 | 284  | 1050523  | 51.039  | ng    | 95       |
| 69) Atrazine                  | 16.639 | 200  | 863029   | 81.529  | ng    | 99       |
| 70) Pentachlorophenol         | 16.827 | 266  | 1491006  | 115.271 | ng    | 98       |
| 71) Phenanthrene              | 17.215 | 178  | 4345172  | 49.360  | ng    | 100      |
| 72) Anthracene                | 17.303 | 178  | 4426158  | 51.918  | ng    | 100      |
| 73) Carbazole                 | 17.574 | 167  | 3896574  | 50.469  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.139 | 149  | 4468135  | 52.801  | ng    | 99       |
| 75) Fluoranthene              | 19.227 | 202  | 4991069  | 49.247  | ng    | 100      |
| 77) Benzidine                 | 19.409 | 184  | 1809102  | 106.735 | ng    | 100      |
| 78) Pyrene                    | 19.592 | 202  | 5126111  | 52.006  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.492 | 149  | 1881843  | 61.520  | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.391 | 228  | 4849951  | 51.468  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.309 | 252  | 918569   | 29.940  | ng    | 99       |
| 83) Chrysene                  | 21.450 | 228  | 4426143  | 49.550  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.315 | 149  | 2762639  | 57.951  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.450 | 149  | 4550916  | 61.420  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 27.797 | 276  | 4814935  | 49.902  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.462 | 252  | 4301582  | 47.641  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.527 | 252  | 4368381  | 49.168  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.268 | 252  | 4092949  | 53.967  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 27.856 | 278  | 3956444  | 49.216  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 28.856 | 276  | 3757239  | 46.401  | ng    | 99       |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040425\  
Data File : BM049820.D  
Acq On : 04 Apr 2025 12:35  
Operator : RC/JU  
Sample : PB167428BS  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

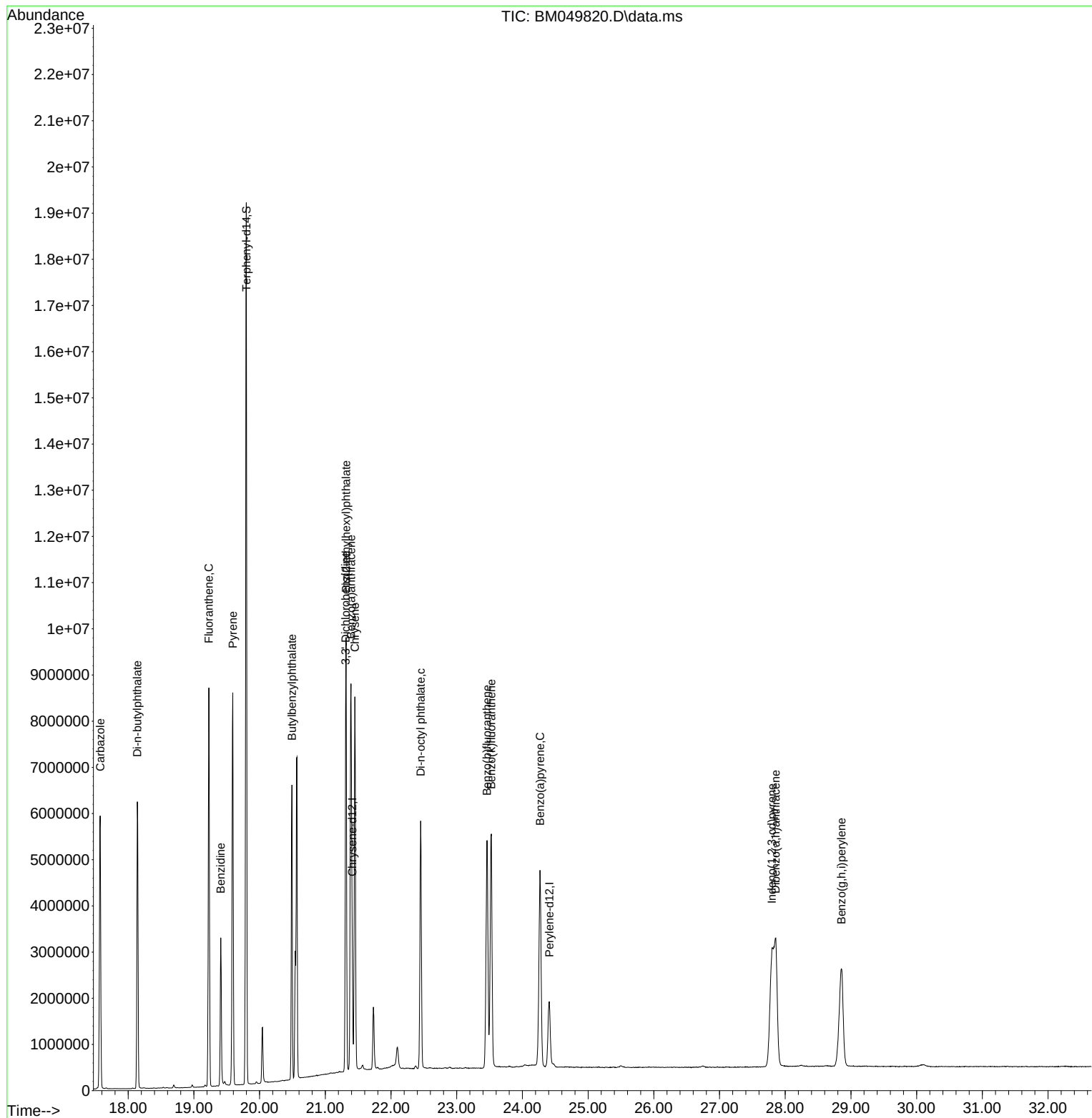
Quant Time: Apr 04 13:12:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 13 14:55:34 2025  
Response via : Initial Calibration

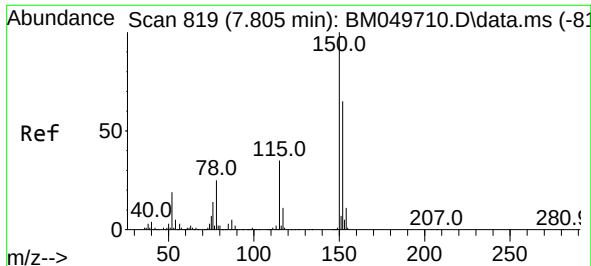


Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040425\  
Data File : BM049820.D  
Acq On : 04 Apr 2025 12:35  
Operator : RC/JU  
Sample : PB167428BS  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

Quant Time: Apr 04 13:12:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 13 14:55:34 2025  
Response via : Initial Calibration

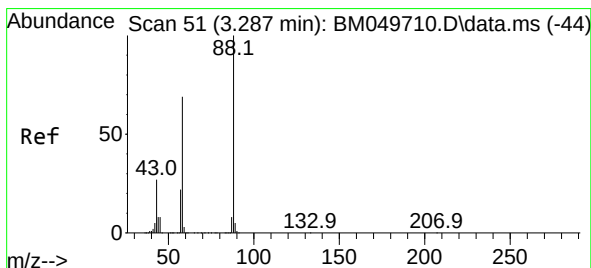
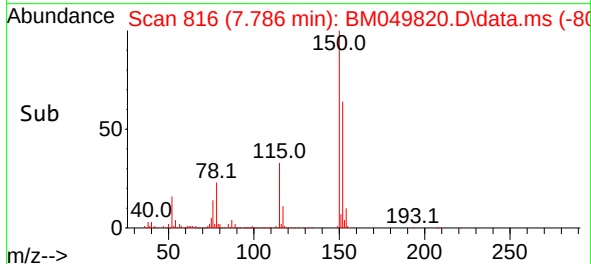
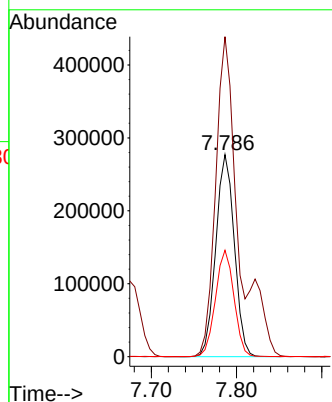
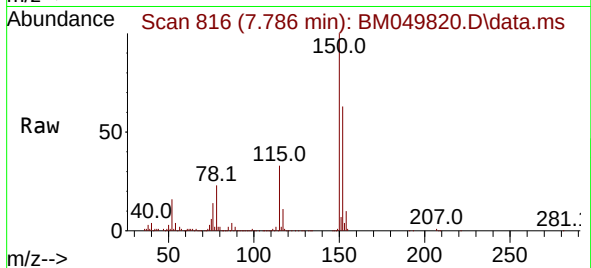




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.786 min Scan# 81  
 Delta R.T. -0.019 min  
 Lab File: BM049820.D  
 Acq: 04 Apr 2025 12:35

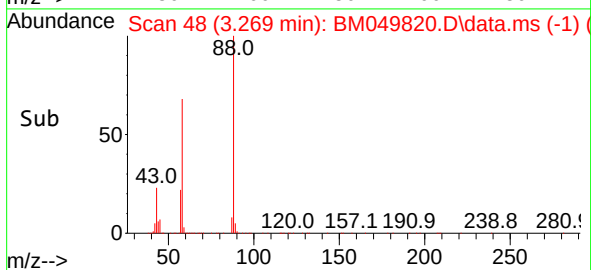
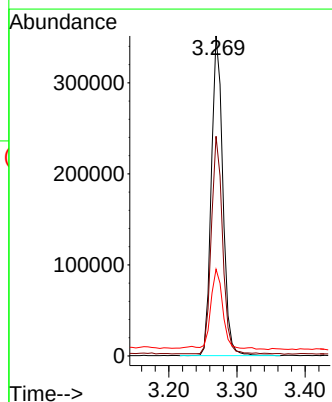
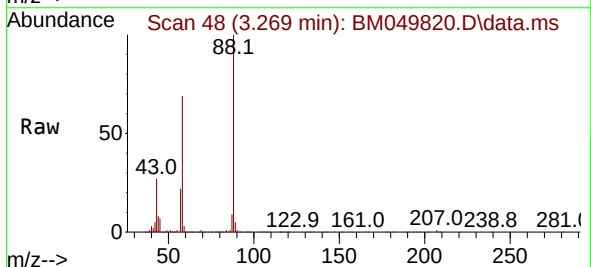
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB167428BS

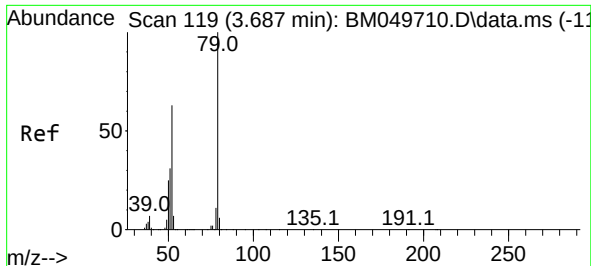
Tgt Ion:152 Resp: 421061  
 Ion Ratio Lower Upper  
 152 100  
 150 158.4 123.8 185.8  
 115 52.7 43.0 64.6



#2  
 1,4-Dioxane  
 Concen: 38.139 ng  
 RT: 3.269 min Scan# 48  
 Delta R.T. -0.018 min  
 Lab File: BM049820.D  
 Acq: 04 Apr 2025 12:35

Tgt Ion: 88 Resp: 411999  
 Ion Ratio Lower Upper  
 88 100  
 58 67.5 56.7 85.1  
 43 24.7 22.6 34.0





#3

Pyridine

Concen: 41.172 ng

RT: 3.669 min Scan# 11

Delta R.T. -0.018 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Instrument :

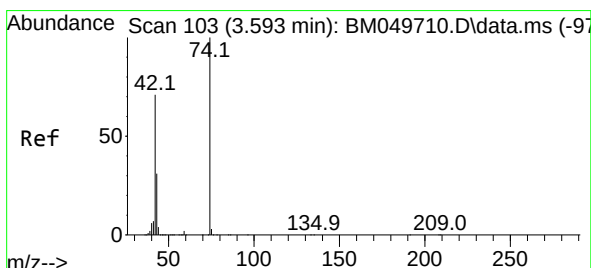
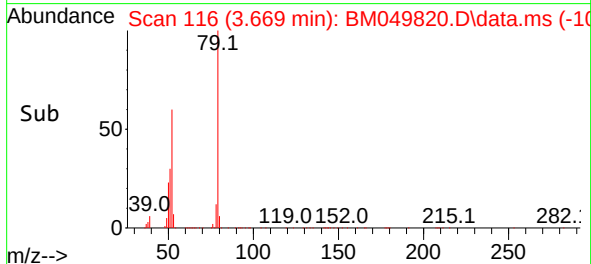
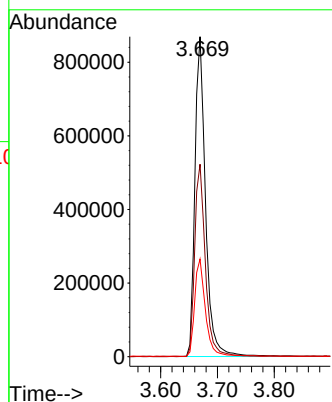
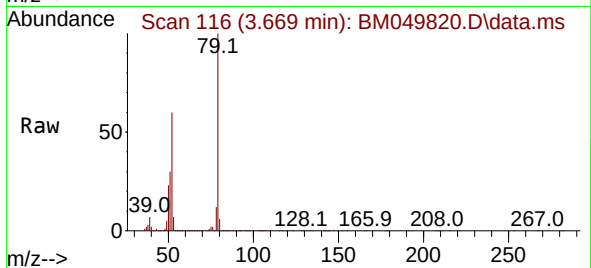
BNA\_M

ClientSampleId :

PB167428BS

Tgt Ion: 79 Resp: 1135868

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 60.1  | 50.1  | 75.1  |
| 51  | 30.5  | 25.2  | 37.8  |



#4

n-Nitrosodimethylamine

Concen: 40.038 ng

RT: 3.575 min Scan# 100

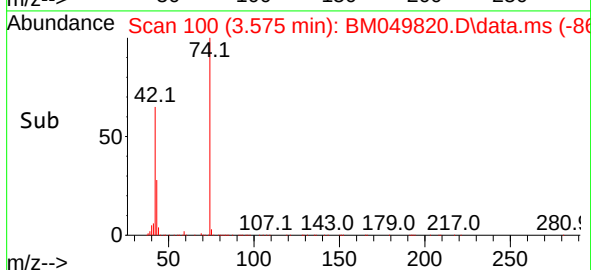
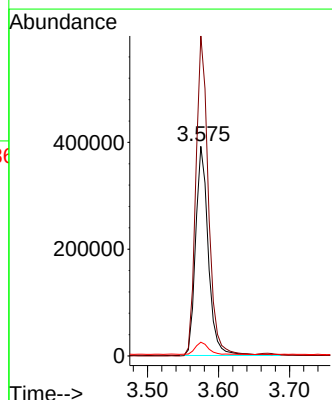
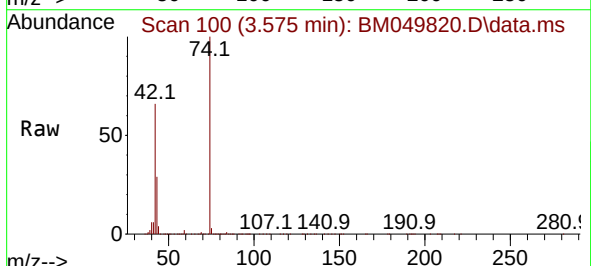
Delta R.T. -0.018 min

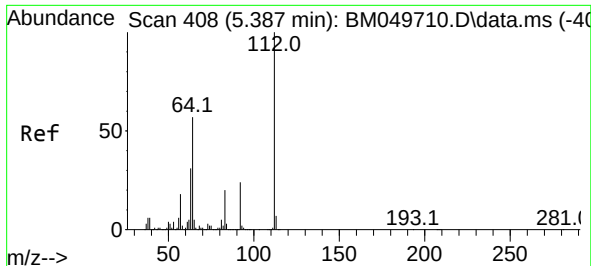
Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Tgt Ion: 42 Resp: 488748

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 152.6 | 112.6 | 168.8 |
| 44  | 6.6   | 5.0   | 7.6   |

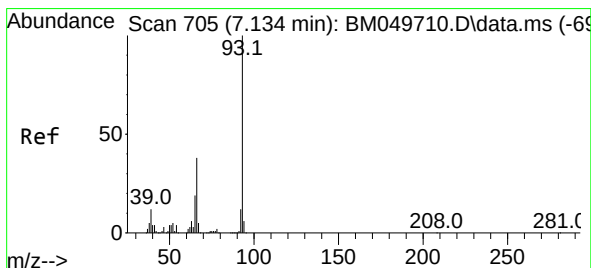
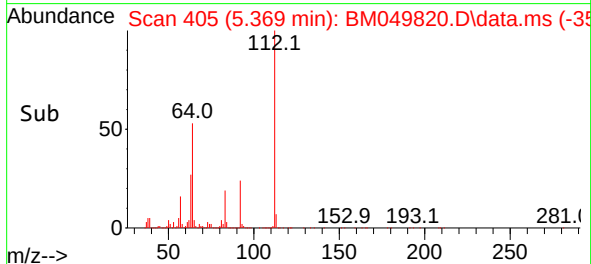
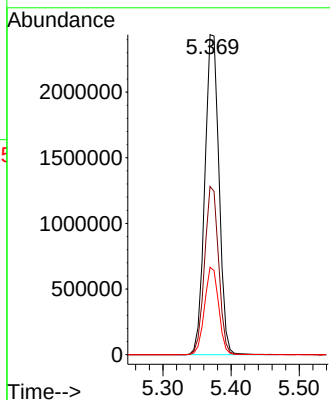
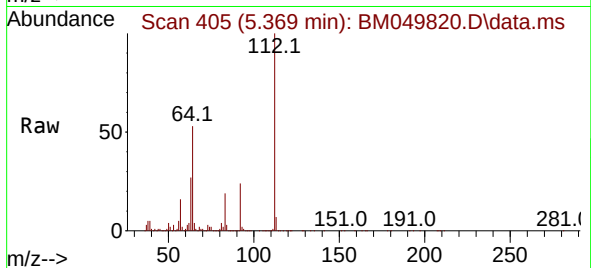




#5  
2-Fluorophenol  
Concen: 141.305 ng  
RT: 5.369 min Scan# 408  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

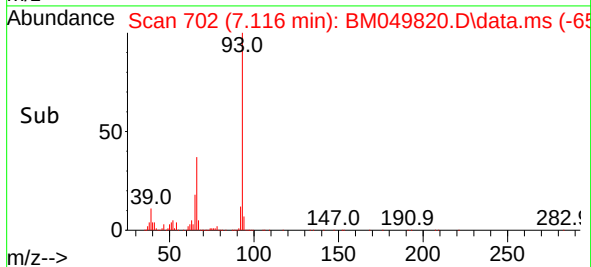
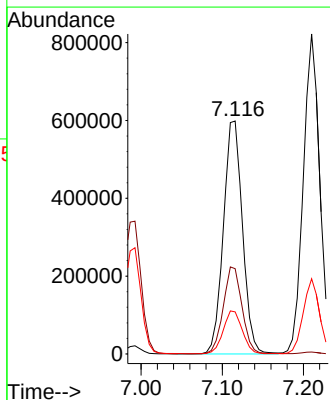
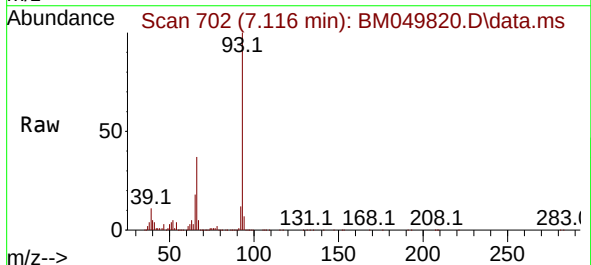
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

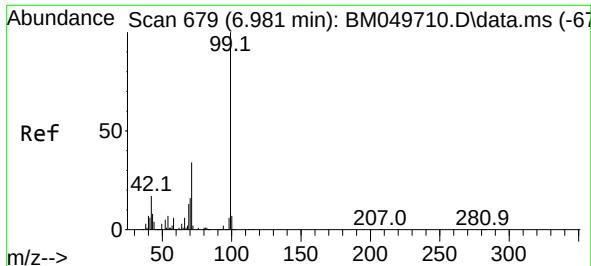
Tgt Ion:112 Resp: 3526170  
Ion Ratio Lower Upper  
112 100  
64 52.5 45.3 67.9  
63 27.3 24.4 36.6



#6  
Aniline  
Concen: 37.329 ng  
RT: 7.116 min Scan# 702  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion: 93 Resp: 979379  
Ion Ratio Lower Upper  
93 100  
66 36.6 30.6 46.0  
65 18.1 15.4 23.2

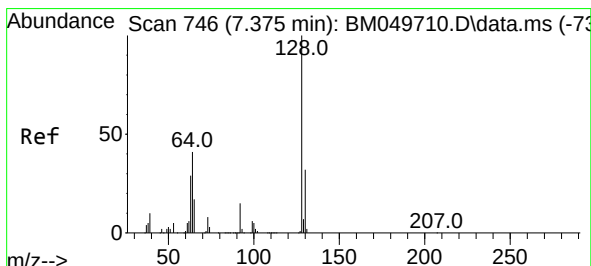
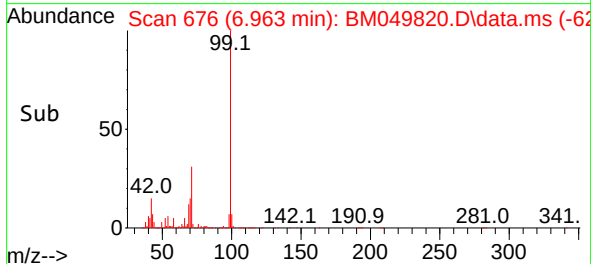
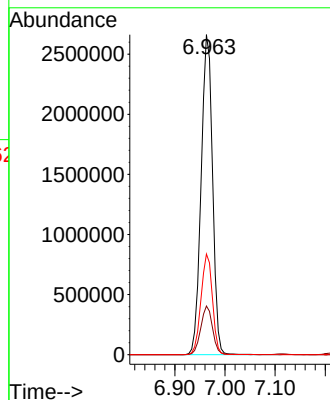
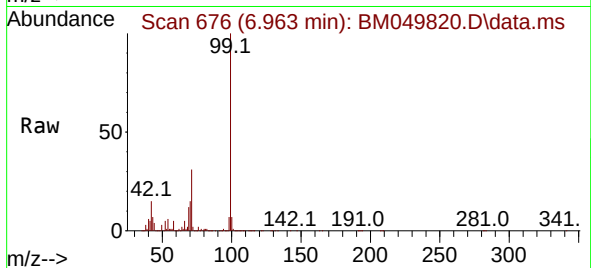




#7  
Phenol-d6  
Concen: 134.484 ng  
RT: 6.963 min Scan# 61  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

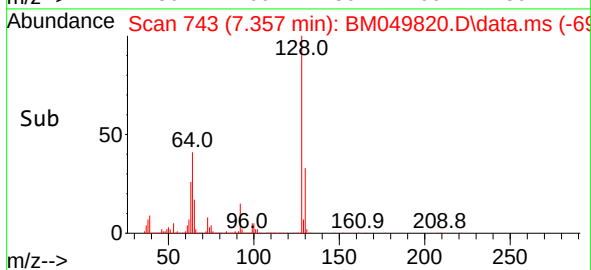
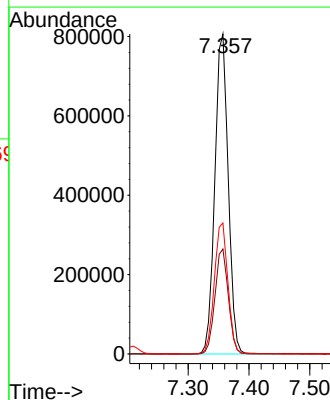
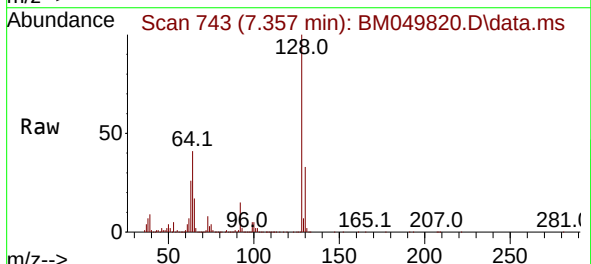
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

Tgt Ion: 99 Resp: 4211557  
Ion Ratio Lower Upper  
99 100  
42 15.2 13.6 20.4  
71 31.5 27.0 40.6

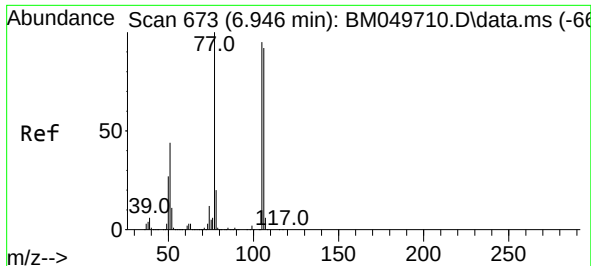


#8  
2-Chlorophenol  
Concen: 49.815 ng  
RT: 7.357 min Scan# 743  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:128 Resp: 1231004  
Ion Ratio Lower Upper  
128 100  
130 32.8 12.5 52.5  
64 41.0 24.9 64.9



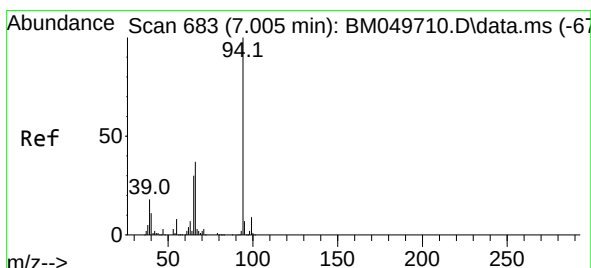
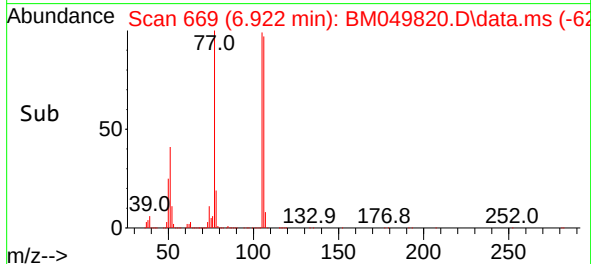
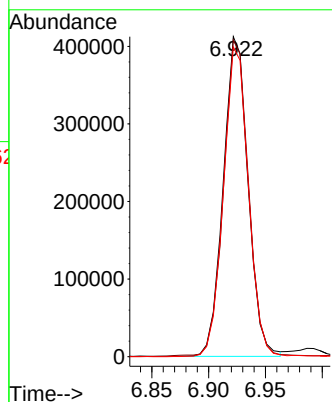
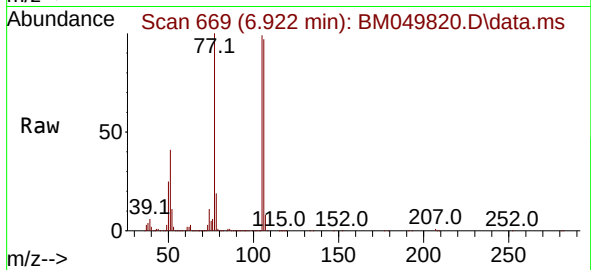




#9  
Benzaldehyde  
Concen: 40.358 ng  
RT: 6.922 min Scan# 610  
Delta R.T. -0.024 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

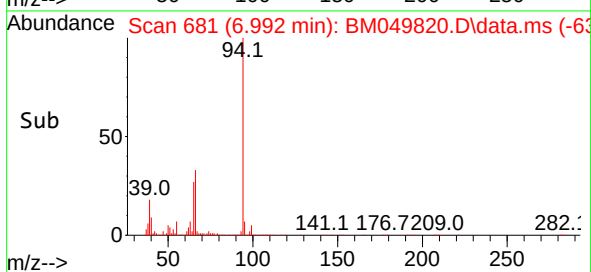
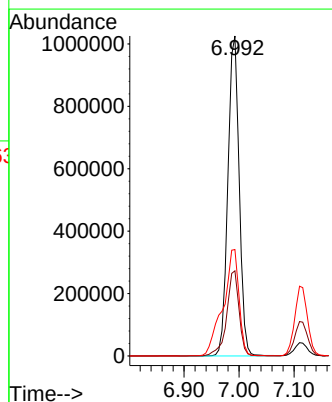
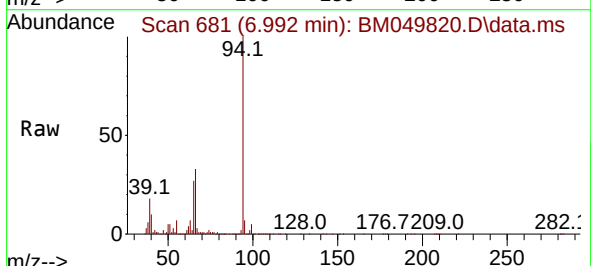
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

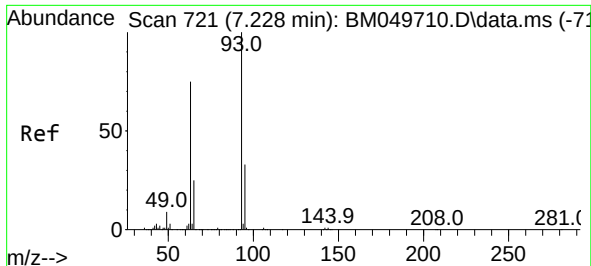
Tgt Ion: 77 Resp: 624810  
Ion Ratio Lower Upper  
77 100  
105 98.9 75.0 115.0  
106 96.8 72.3 112.3



#10  
Phenol  
Concen: 48.281 ng  
RT: 6.992 min Scan# 681  
Delta R.T. -0.012 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion: 94 Resp: 1466079  
Ion Ratio Lower Upper  
94 100  
65 26.6 10.4 50.4  
66 33.3 17.1 57.1

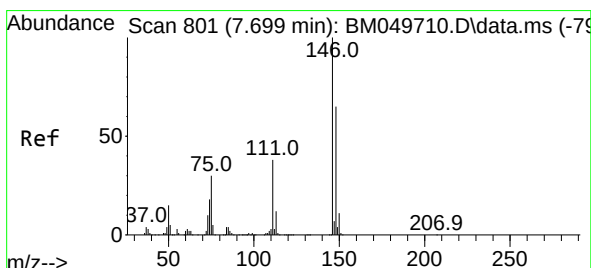
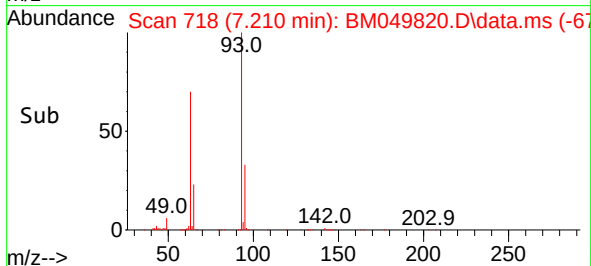
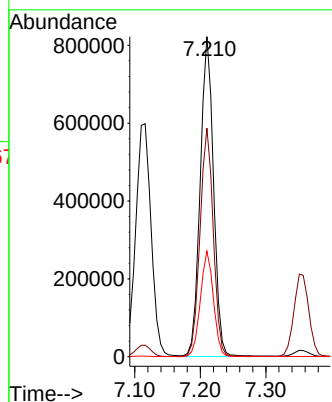
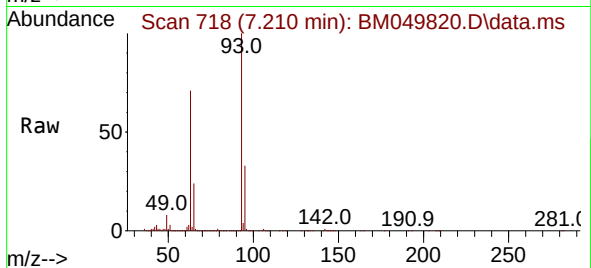




#11  
bis(2-Chloroethyl)ether  
Concen: 47.343 ng  
RT: 7.210 min Scan# 718  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

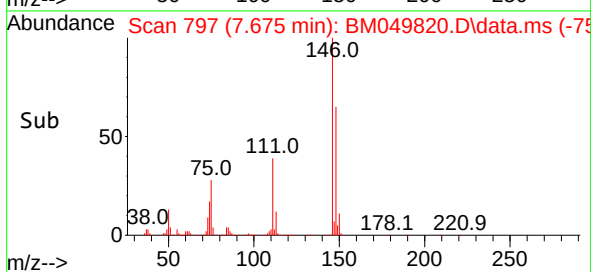
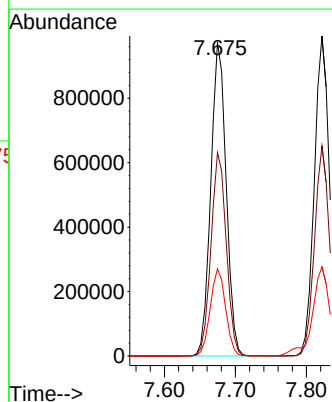
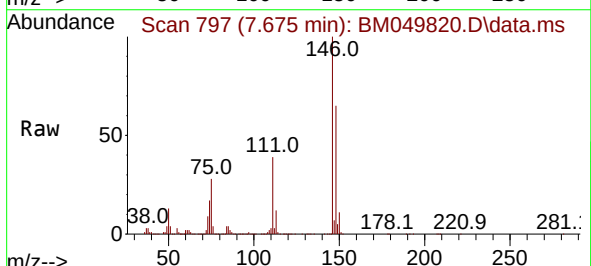
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

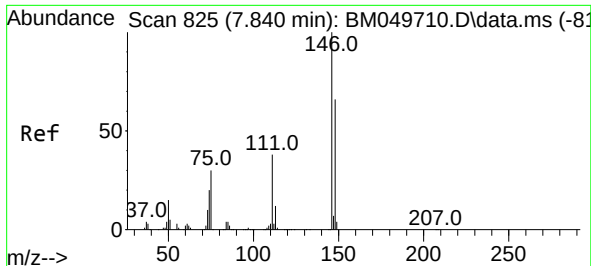
Tgt Ion: 93 Resp: 1164156  
Ion Ratio Lower Upper  
93 100  
63 71.4 54.8 94.8  
95 33.0 12.8 52.8



#12  
1,3-Dichlorobenzene  
Concen: 48.576 ng  
RT: 7.675 min Scan# 797  
Delta R.T. -0.024 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:146 Resp: 1458803  
Ion Ratio Lower Upper  
146 100  
148 64.8 52.3 78.5  
75 27.8 24.2 36.2

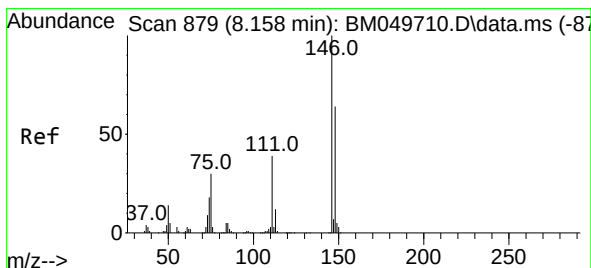
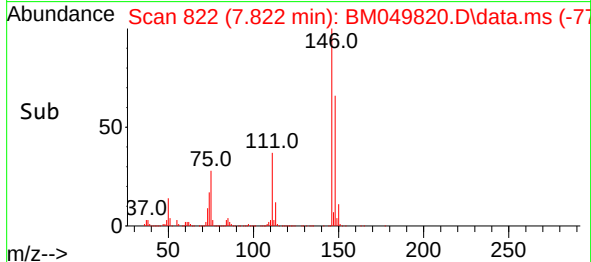
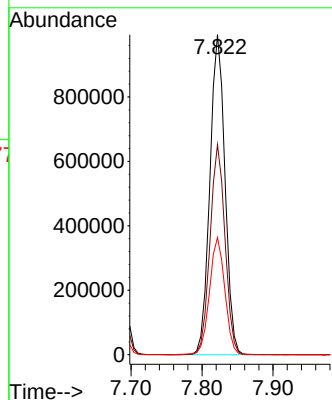
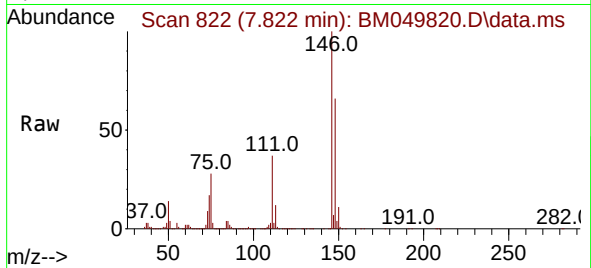




#13  
 1,4-Dichlorobenzene  
 Concen: 48.431 ng  
 RT: 7.822 min Scan# 81  
 Delta R.T. -0.018 min  
 Lab File: BM049820.D  
 Acq: 04 Apr 2025 12:35

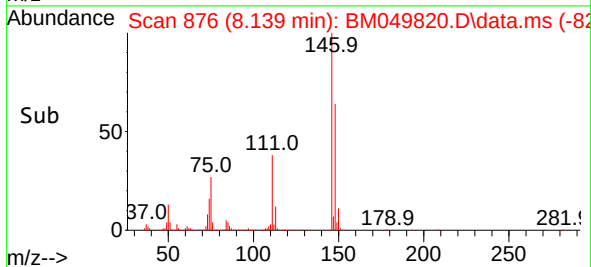
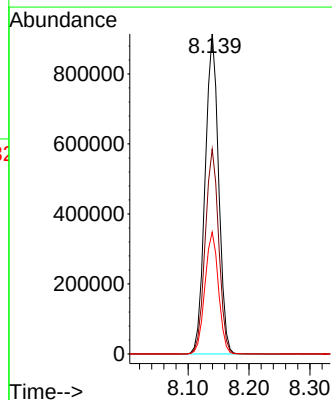
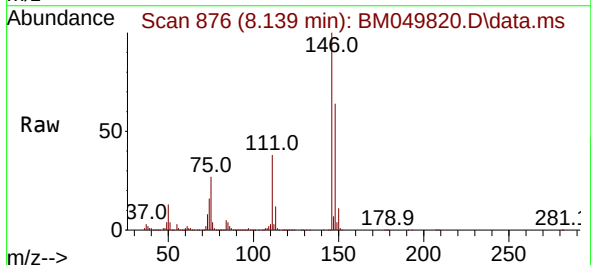
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB167428BS

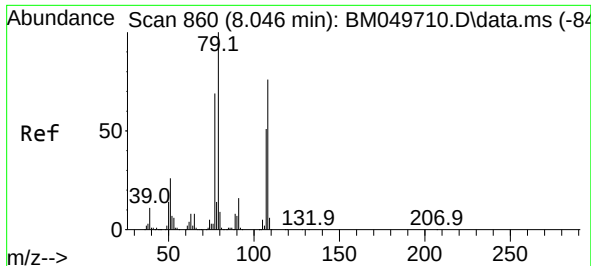
Tgt Ion:146 Resp: 1467310  
 Ion Ratio Lower Upper  
 146 100  
 148 65.6 52.6 79.0  
 111 36.6 30.8 46.2



#14  
 1,2-Dichlorobenzene  
 Concen: 48.813 ng  
 RT: 8.139 min Scan# 876  
 Delta R.T. -0.018 min  
 Lab File: BM049820.D  
 Acq: 04 Apr 2025 12:35

Tgt Ion:146 Resp: 1405476  
 Ion Ratio Lower Upper  
 146 100  
 148 64.1 50.9 76.3  
 111 38.1 31.0 46.6

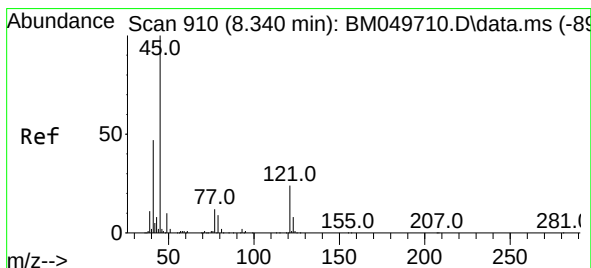
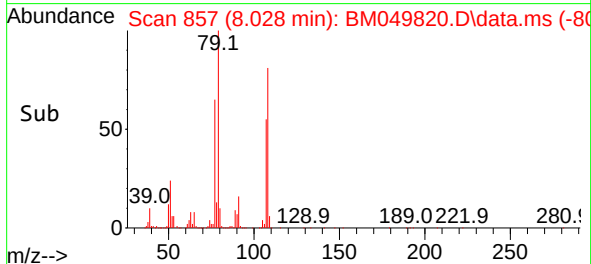
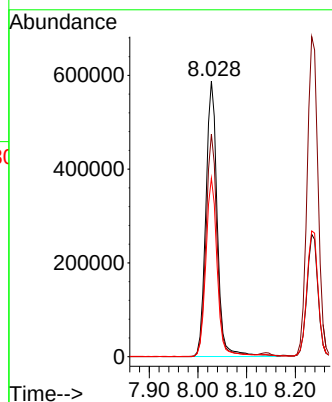
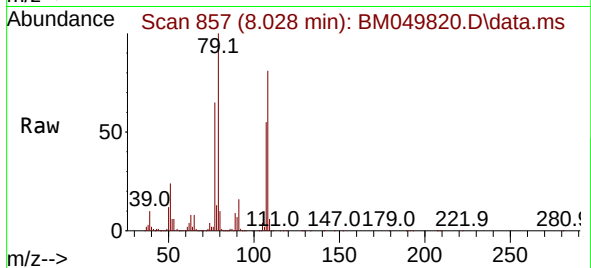




#15  
Benzyl Alcohol  
Concen: 48.378 ng  
RT: 8.028 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

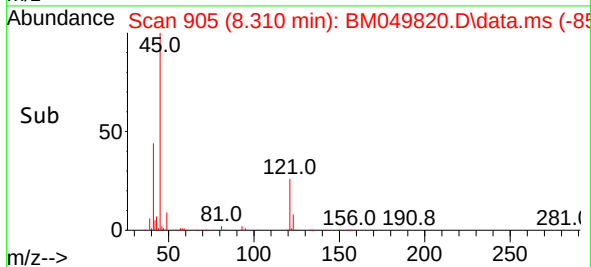
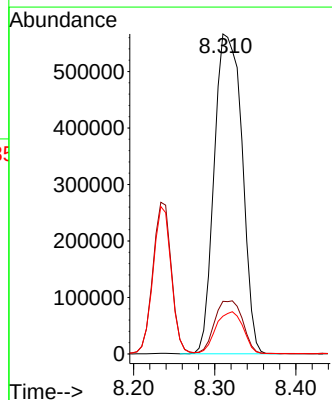
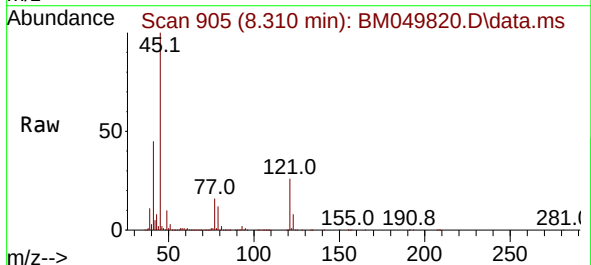
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

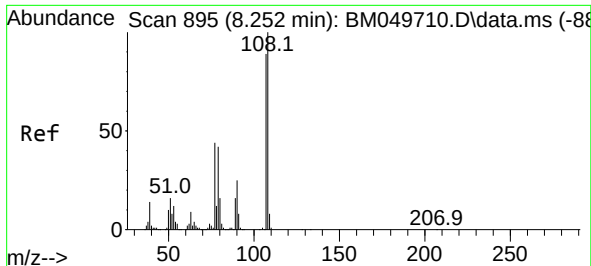
Tgt Ion: 79 Resp: 950752  
Ion Ratio Lower Upper  
79 100  
108 80.7 60.7 91.1  
77 64.8 55.4 83.2



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 46.584 ng  
RT: 8.310 min Scan# 905  
Delta R.T. -0.030 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion: 45 Resp: 1346308  
Ion Ratio Lower Upper  
45 100  
77 16.5 0.0 36.1  
79 11.8 0.0 32.8



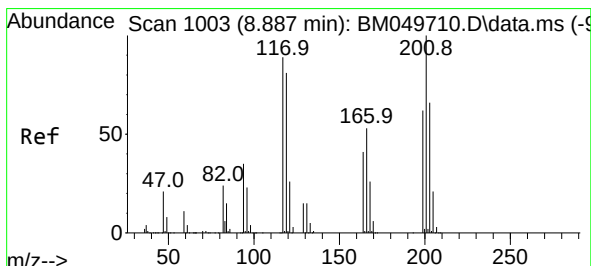
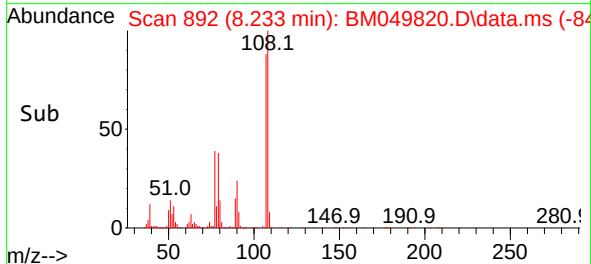
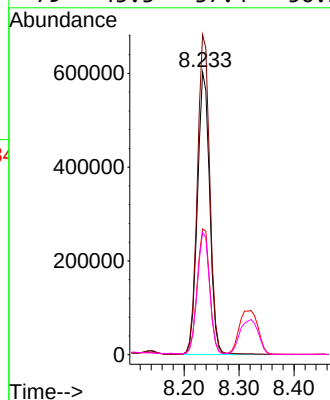
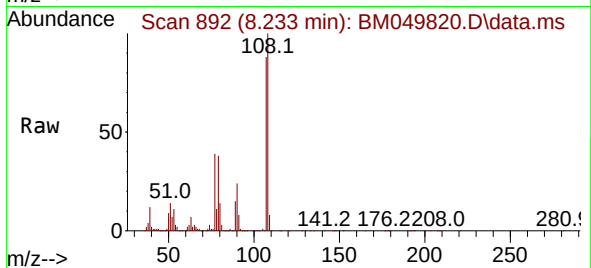


#17  
2-Methylphenol  
Concen: 51.641 ng  
RT: 8.233 min Scan# 895  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

Tgt Ion:107 Resp: 930990

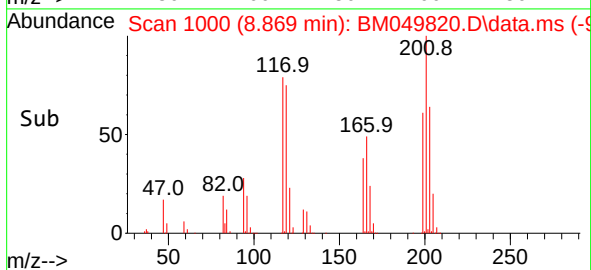
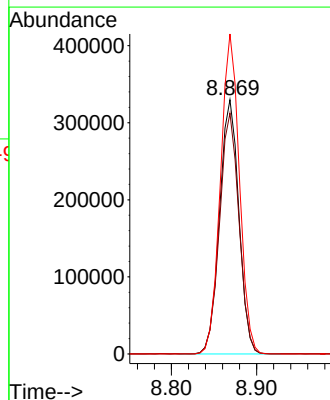
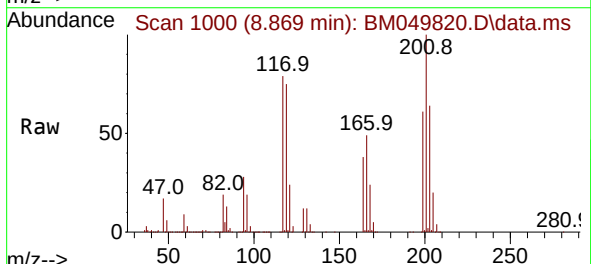
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 113.3 | 89.6  | 134.4 |
| 77  | 44.6  | 39.8  | 59.6  |
| 79  | 43.3  | 37.4  | 56.2  |

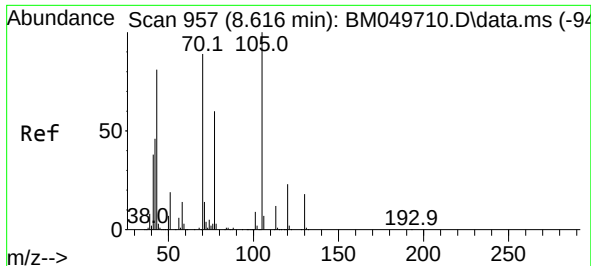


#18  
Hexachloroethane  
Concen: 48.594 ng  
RT: 8.869 min Scan# 1000  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:117 Resp: 519913

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 94.7  | 73.1  | 109.7 |
| 201 | 125.9 | 90.0  | 135.0 |

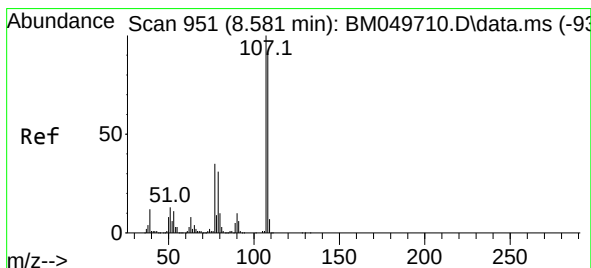
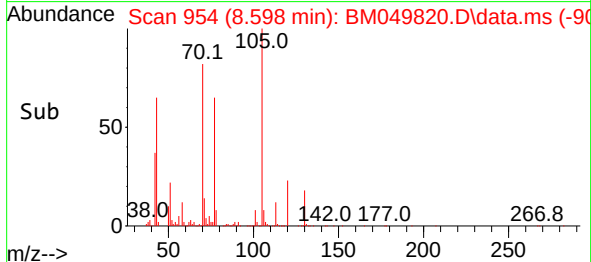
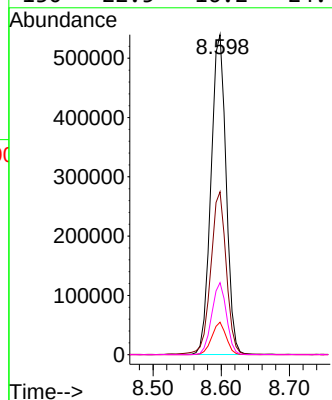
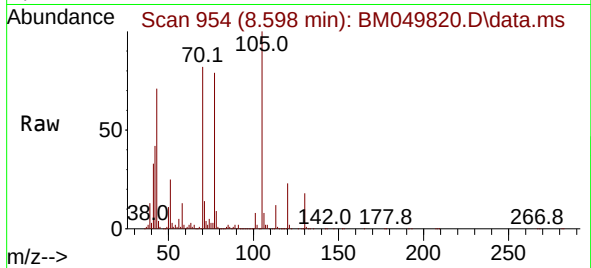




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.860 ng  
RT: 8.598 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

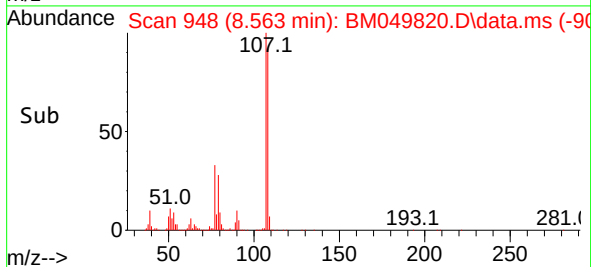
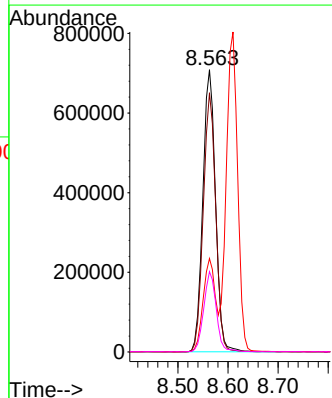
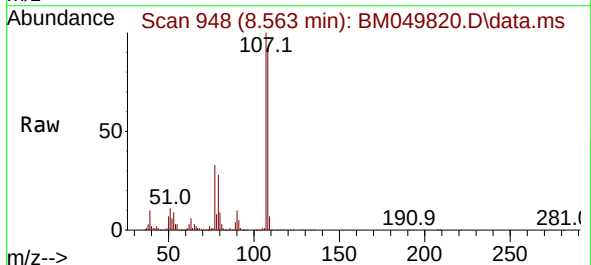
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

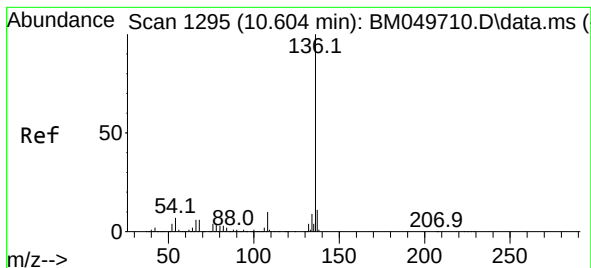
Tgt Ion: 70 Resp: 832781  
Ion Ratio Lower Upper  
70 100  
42 50.9 41.8 62.6  
101 10.1 7.7 11.5  
130 22.5 16.2 24.4



#20  
3+4-Methylphenols  
Concen: 51.437 ng  
RT: 8.563 min Scan# 948  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion: 107 Resp: 1242693  
Ion Ratio Lower Upper  
107 100  
108 91.8 71.0 111.0  
77 33.1 15.1 55.1  
79 28.4 11.2 51.2

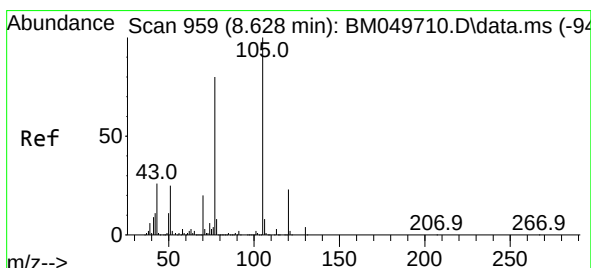
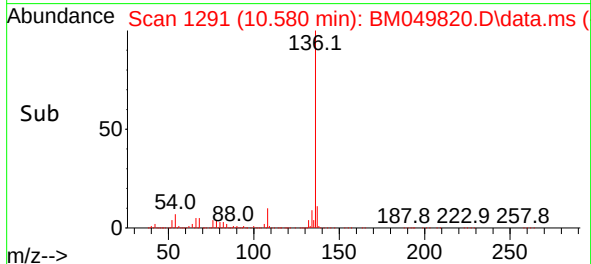
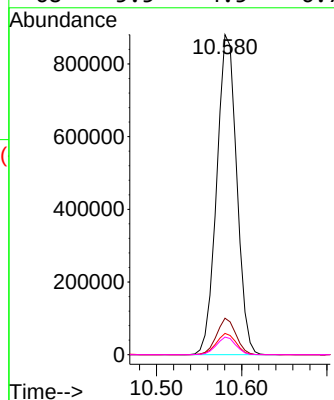
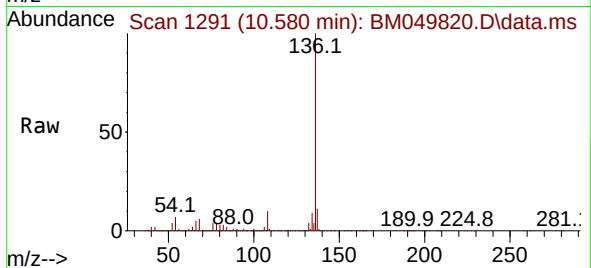




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.580 min Scan# 1291  
Delta R.T. -0.024 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

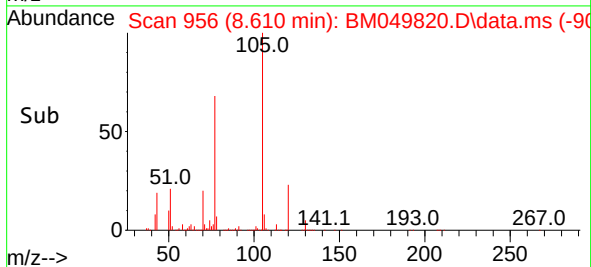
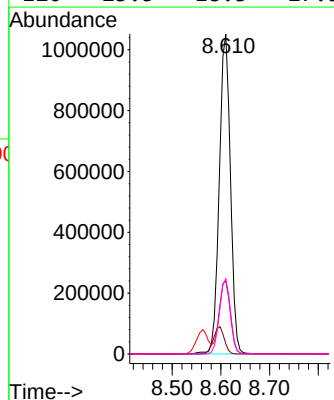
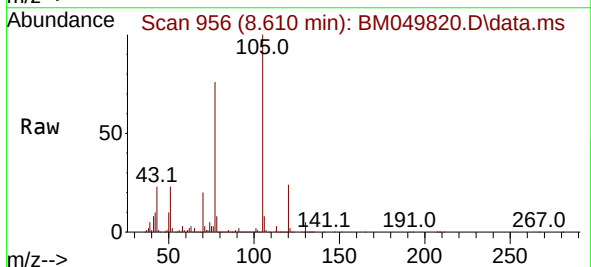
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

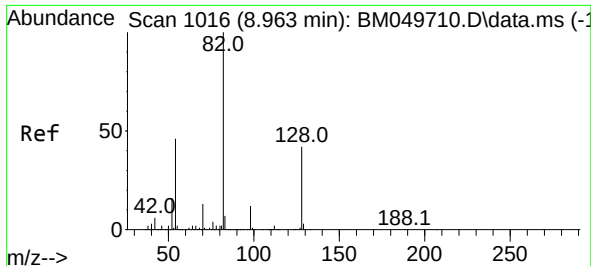
Tgt Ion:136 Resp: 1439318  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.6 12.8  
54 6.7 5.8 8.8  
68 5.5 4.5 6.7



#22  
Acetophenone  
Concen: 44.916 ng  
RT: 8.610 min Scan# 956  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:105 Resp: 1666900  
Ion Ratio Lower Upper  
105 100  
71 3.2 2.5 3.7  
51 22.7 19.9 29.9  
120 23.5 18.3 27.5

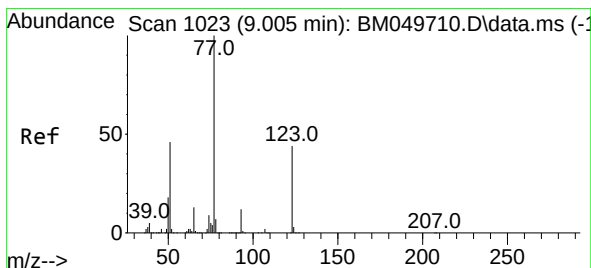
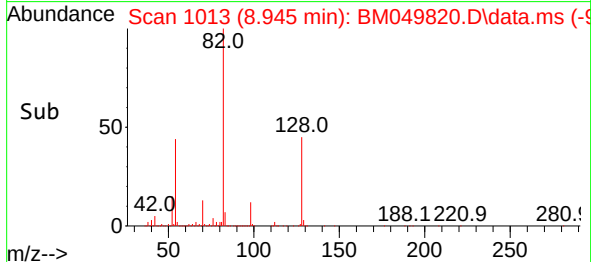
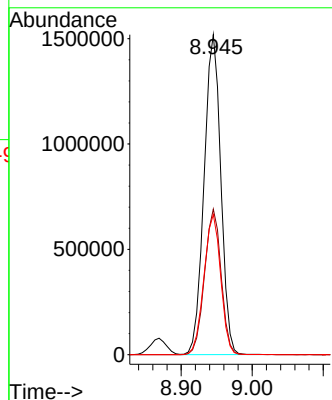
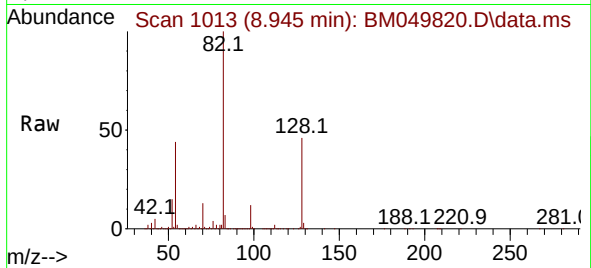




#23  
Nitrobenzene-d5  
Concen: 88.777 ng  
RT: 8.945 min Scan# 1013  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

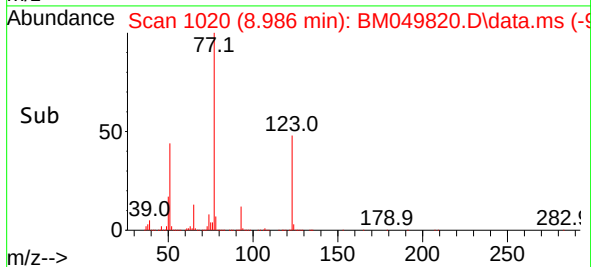
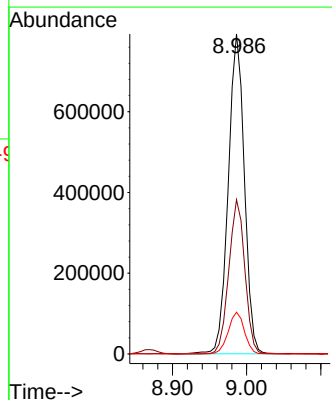
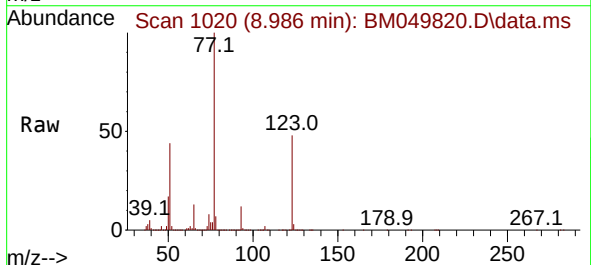
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

Tgt Ion: 82 Resp: 2488788  
Ion Ratio Lower Upper  
82 100  
128 45.5 33.4 50.0  
54 43.8 36.4 54.6

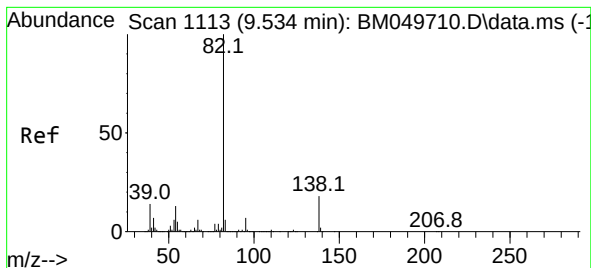


#24  
Nitrobenzene  
Concen: 45.181 ng  
RT: 8.986 min Scan# 1020  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion: 77 Resp: 1194316  
Ion Ratio Lower Upper  
77 100  
123 48.2 34.9 52.3  
65 13.0 10.6 15.8







#25

Isophorone

Concen: 50.741 ng

RT: 9.516 min Scan# 1110

Delta R.T. -0.018 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Instrument :

BNA\_M

ClientSampleId :

PB167428BS

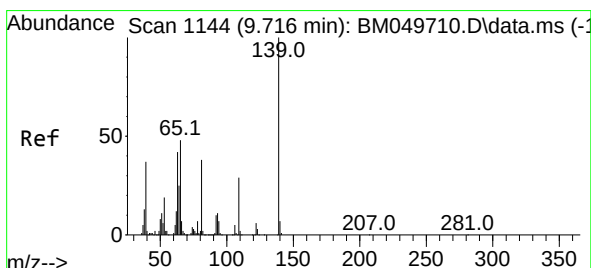
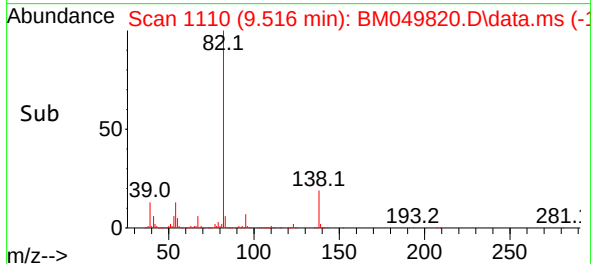
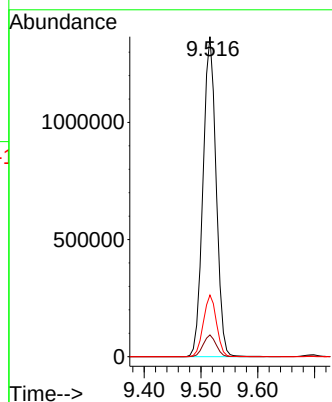
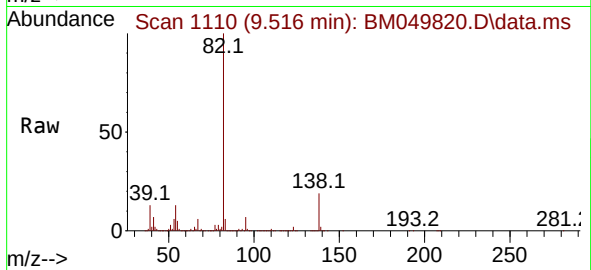
Tgt Ion: 82 Resp: 2184000

Ion Ratio Lower Upper

82 100

95 6.8 5.3 7.9

138 19.3 14.4 21.6



#26

2-Nitrophenol

Concen: 55.489 ng

RT: 9.698 min Scan# 1141

Delta R.T. -0.018 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

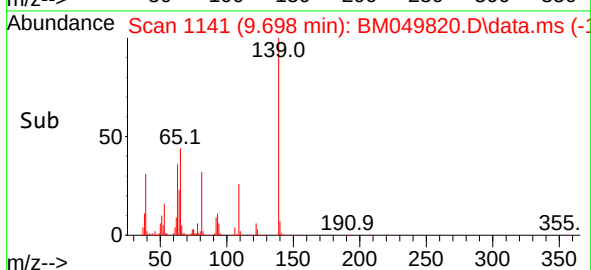
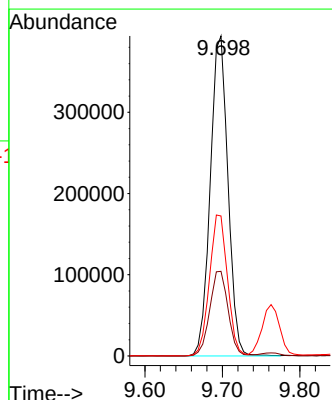
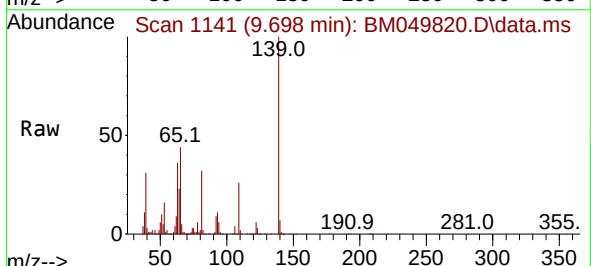
Tgt Ion:139 Resp: 624301

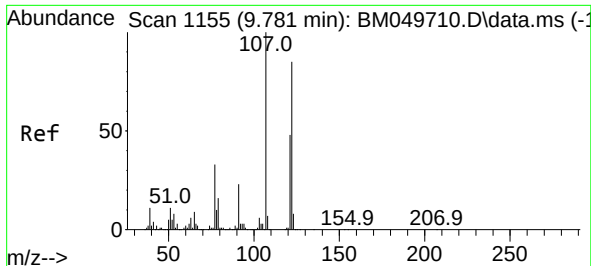
Ion Ratio Lower Upper

139 100

109 26.5 23.3 34.9

65 43.7 38.6 58.0

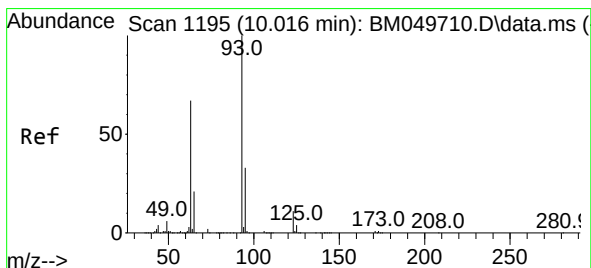
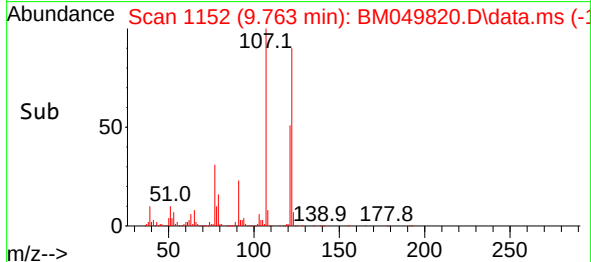
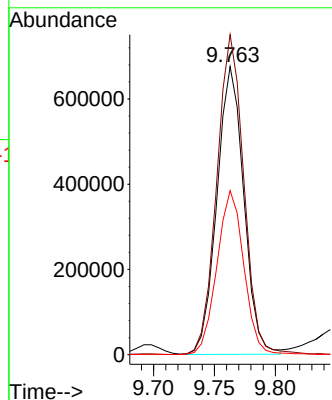
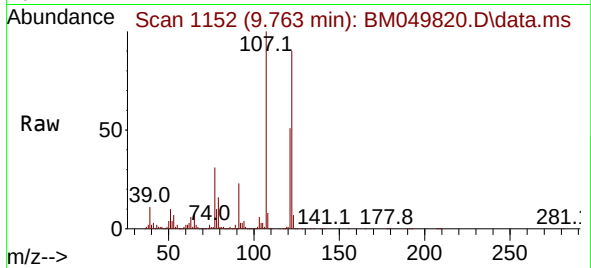




#27  
2,4-Dimethylphenol  
Concen: 72.393 ng  
RT: 9.763 min Scan# 1152  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

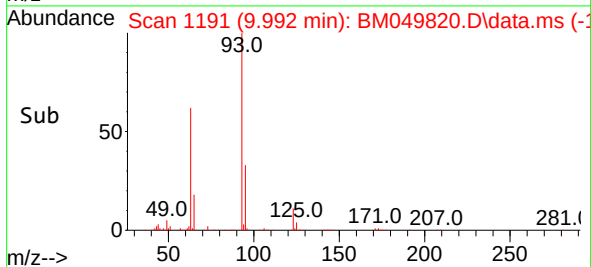
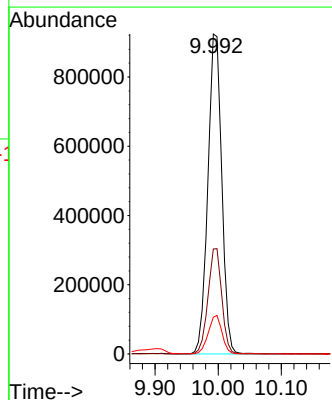
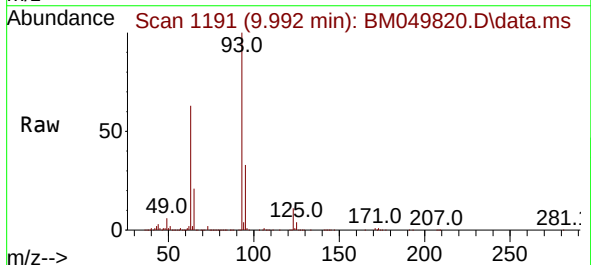
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

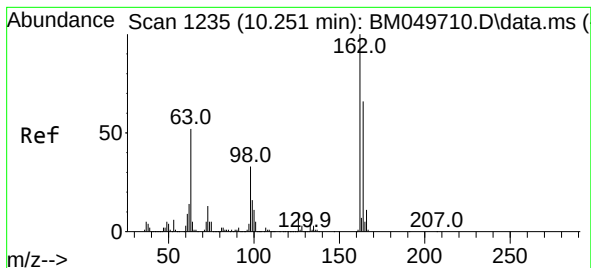
Tgt Ion:122 Resp: 1036748  
Ion Ratio Lower Upper  
122 100  
107 111.0 94.3 141.5  
121 56.9 45.4 68.2



#28  
bis(2-Chloroethoxy)methane  
Concen: 46.452 ng  
RT: 9.992 min Scan# 1191  
Delta R.T. -0.024 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion: 93 Resp: 1408211  
Ion Ratio Lower Upper  
93 100  
95 32.8 26.6 40.0  
123 11.5 9.0 13.6

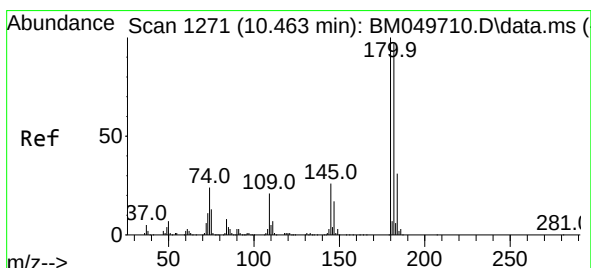
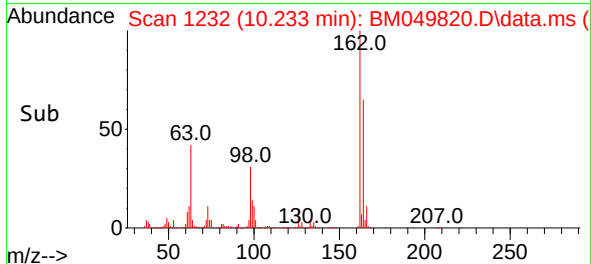
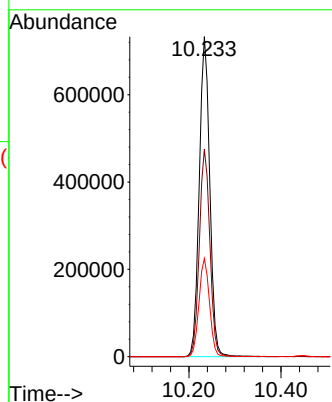
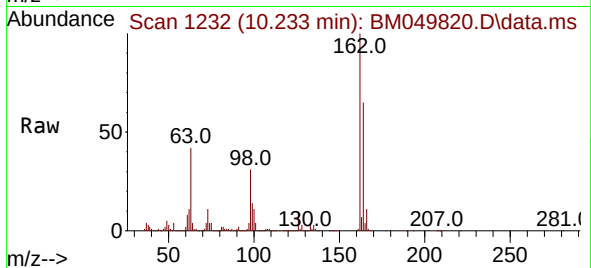




#29  
2,4-Dichlorophenol  
Concen: 49.761 ng  
RT: 10.233 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

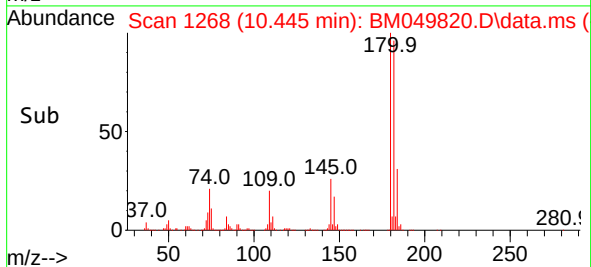
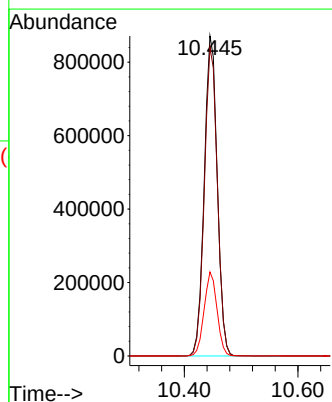
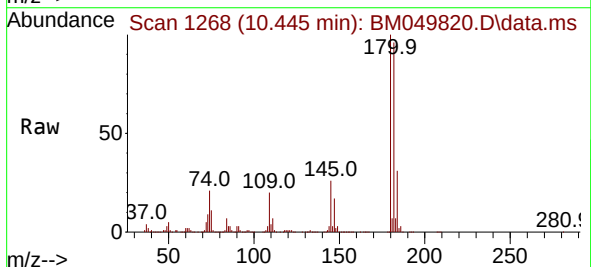
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

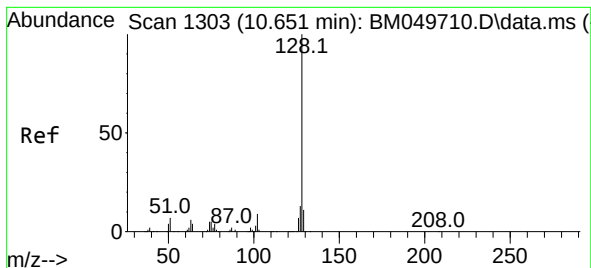
Tgt Ion:162 Resp: 1161206  
Ion Ratio Lower Upper  
162 100  
164 64.8 46.3 86.3  
98 30.7 12.8 52.8



#30  
1,2,4-Trichlorobenzene  
Concen: 47.267 ng  
RT: 10.445 min Scan# 1268  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:180 Resp: 1380042  
Ion Ratio Lower Upper  
180 100  
182 96.4 77.7 116.5  
145 26.2 21.0 31.4

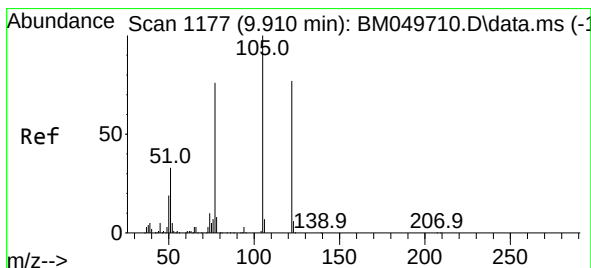
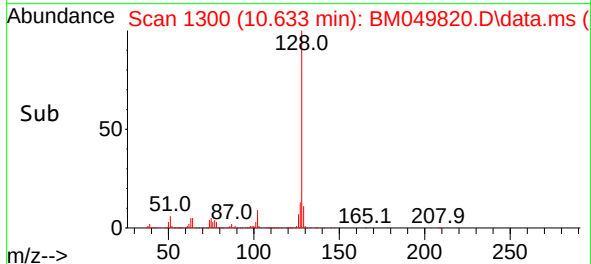
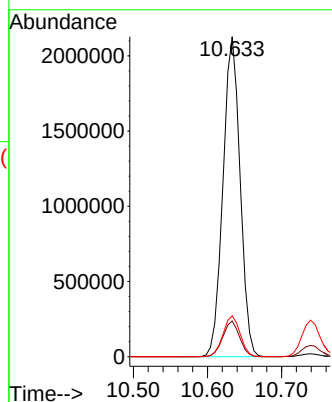
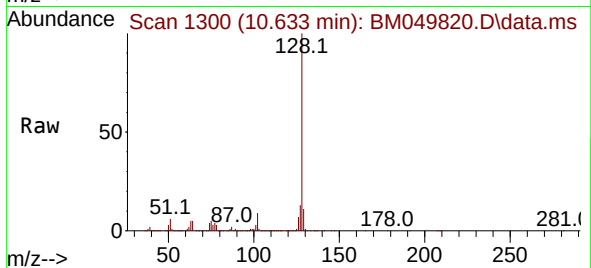




#31  
Naphthalene  
Concen: 46.084 ng  
RT: 10.633 min Scan# 1300  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

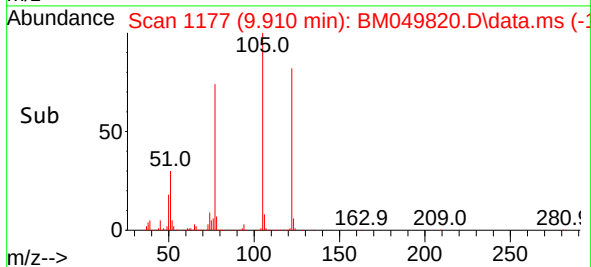
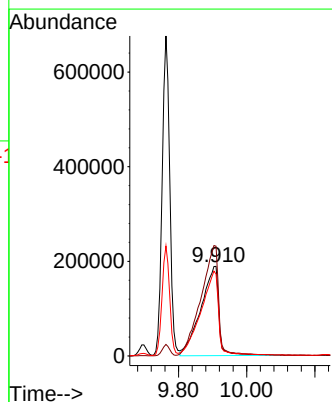
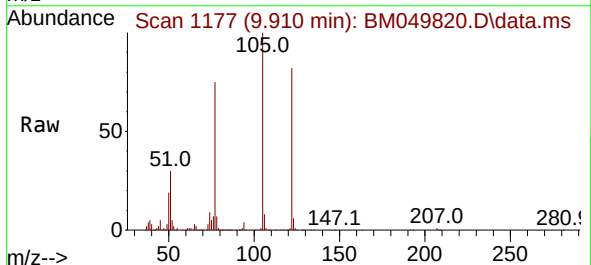
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

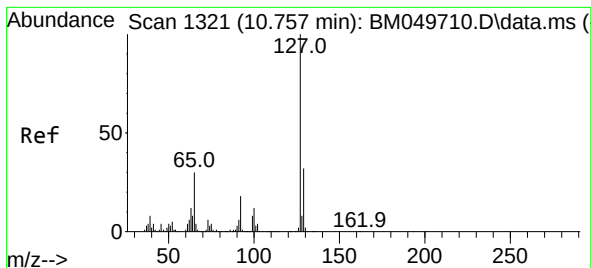
Tgt Ion:128 Resp: 3410717  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 13.0  
127 12.8 10.4 15.6



#32  
Benzoic acid  
Concen: 57.390 ng  
RT: 9.910 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:122 Resp: 698987  
Ion Ratio Lower Upper  
122 100  
105 122.5 105.6 145.6  
77 91.5 76.9 116.9



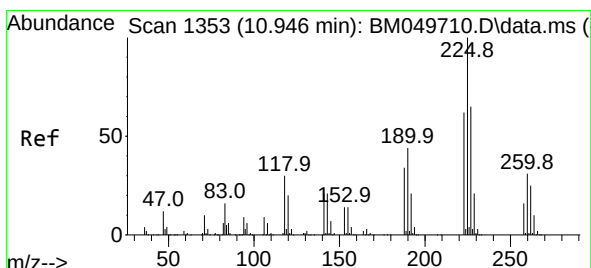
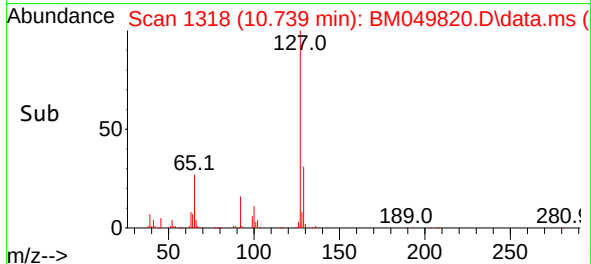
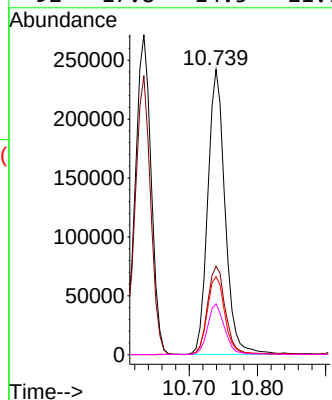
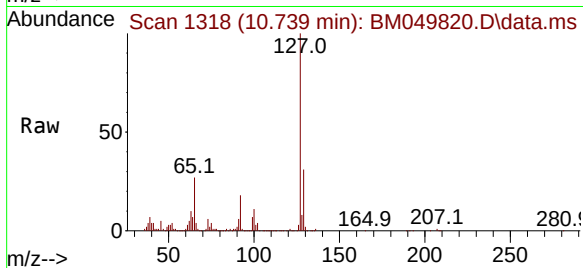


#33  
4-Chloroaniline  
Concen: 16.883 ng  
RT: 10.739 min Scan# 1318  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

Tgt Ion:127 Resp: 426442

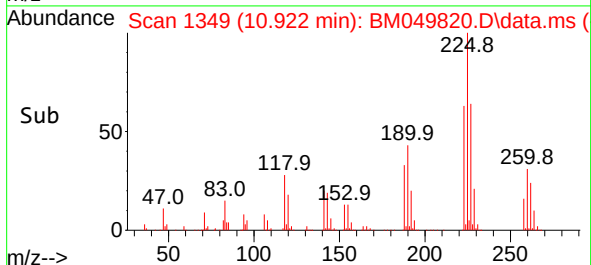
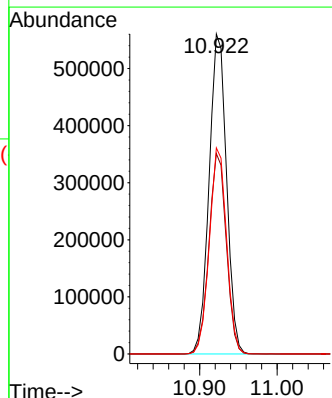
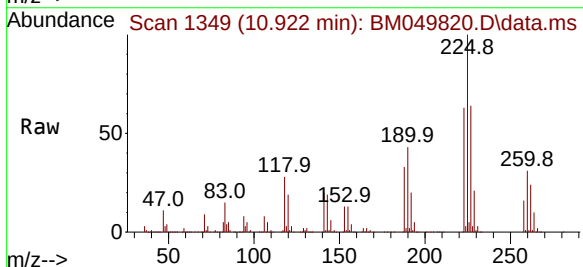
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 127 | 100   |       |       |
| 129 | 31.0  | 25.7  | 38.5  |
| 65  | 27.4  | 24.1  | 36.1  |
| 92  | 17.8  | 14.5  | 21.7  |

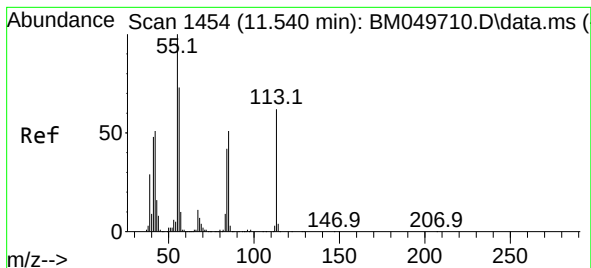


#34  
Hexachlorobutadiene  
Concen: 48.517 ng  
RT: 10.922 min Scan# 1349  
Delta R.T. -0.024 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:225 Resp: 874461

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 62.6  | 49.8  | 74.8  |
| 227 | 64.4  | 52.1  | 78.1  |

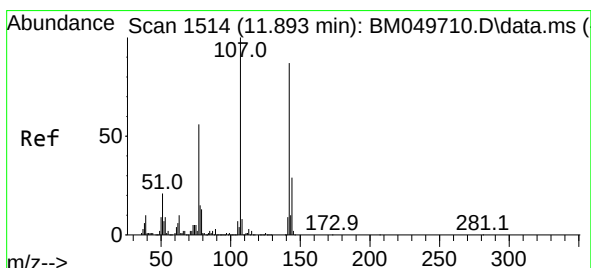
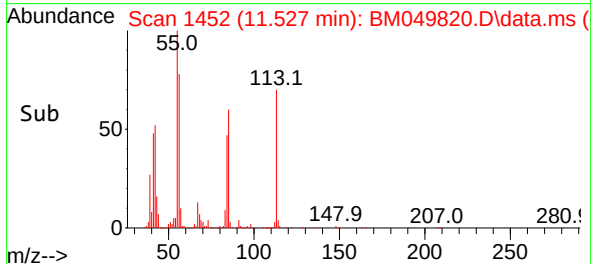
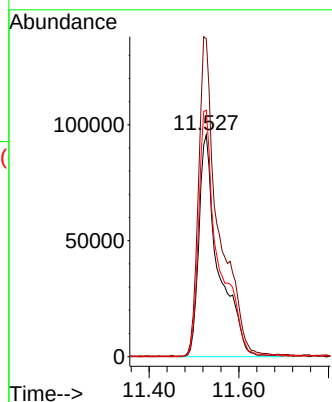
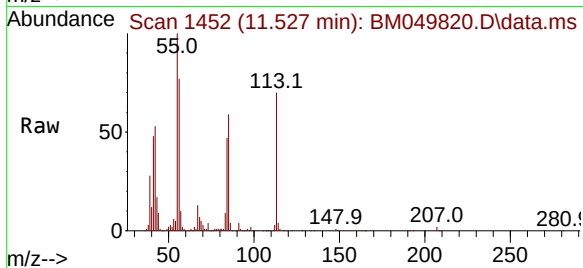




#35  
 Caprolactam  
 Concen: 53.675 ng  
 RT: 11.527 min Scan# 1452  
 Delta R.T. -0.012 min  
 Lab File: BM049820.D  
 Acq: 04 Apr 2025 12:35

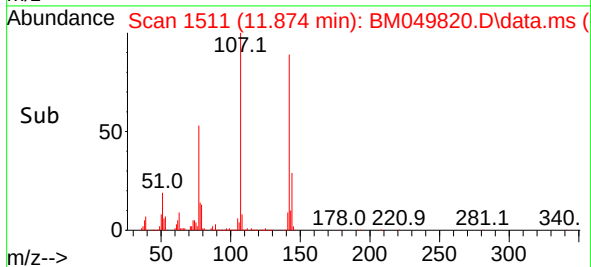
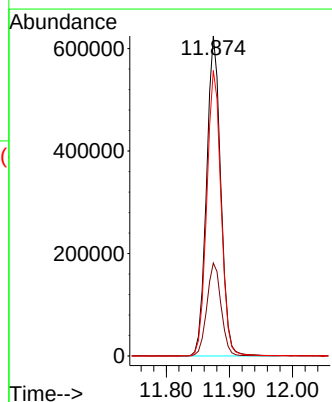
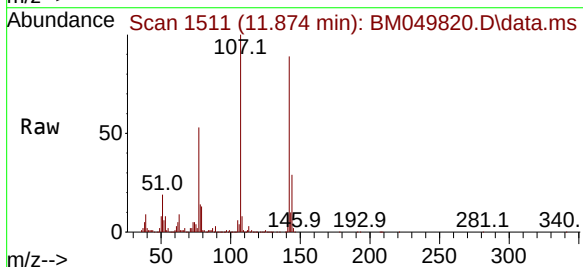
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB167428BS

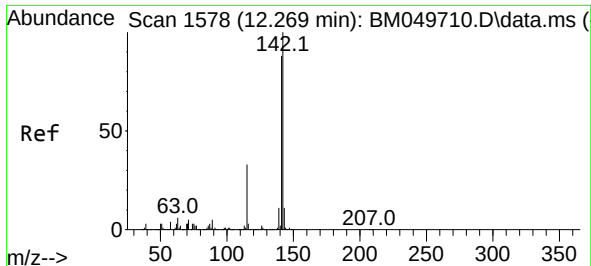
Tgt Ion:113 Resp: 290803  
 Ion Ratio Lower Upper  
 113 100  
 55 143.2 141.8 181.8  
 56 111.0 98.0 138.0



#36  
 4-Chloro-3-methylphenol  
 Concen: 48.857 ng  
 RT: 11.874 min Scan# 1511  
 Delta R.T. -0.018 min  
 Lab File: BM049820.D  
 Acq: 04 Apr 2025 12:35

Tgt Ion:107 Resp: 978414  
 Ion Ratio Lower Upper  
 107 100  
 144 29.1 23.0 34.6  
 142 89.2 69.8 104.8

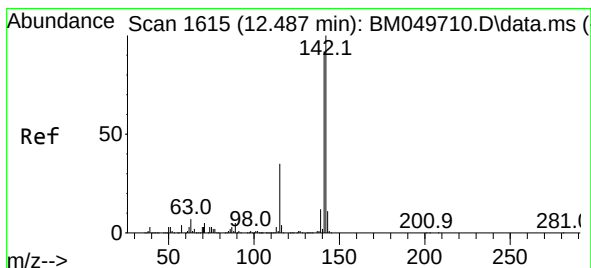
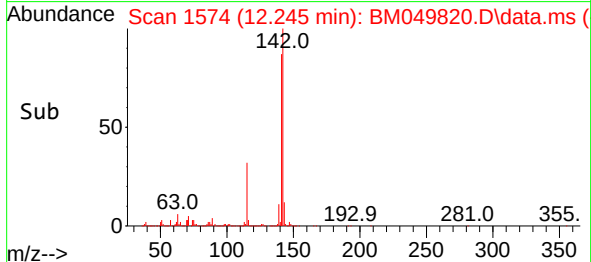
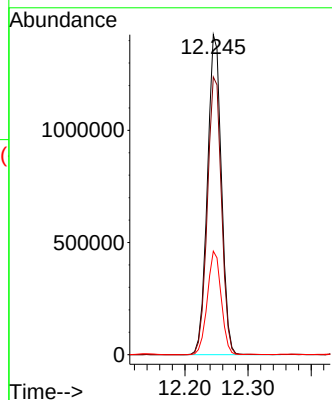
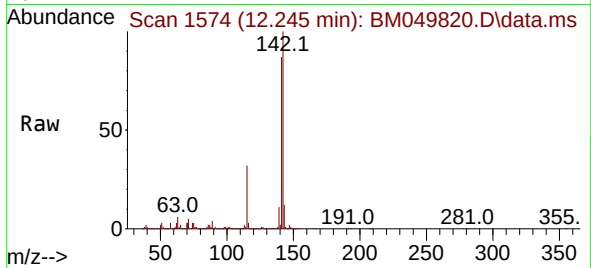




#37  
2-Methylnaphthalene  
Concen: 42.396 ng  
RT: 12.245 min Scan# 1  
Delta R.T. -0.024 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

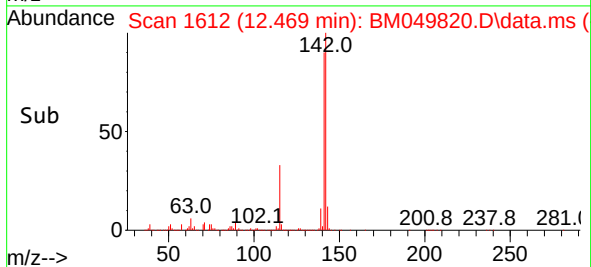
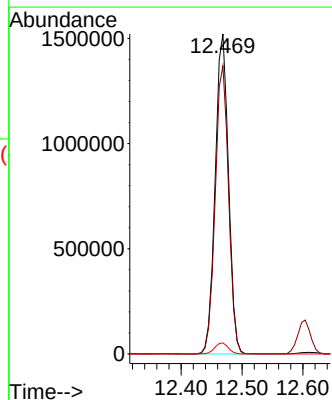
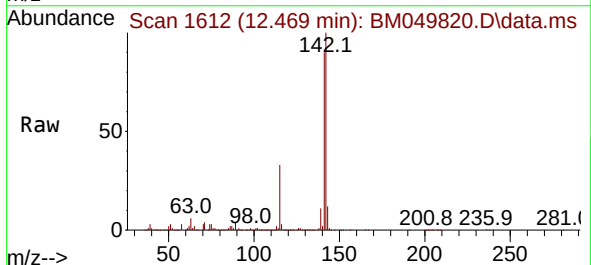
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

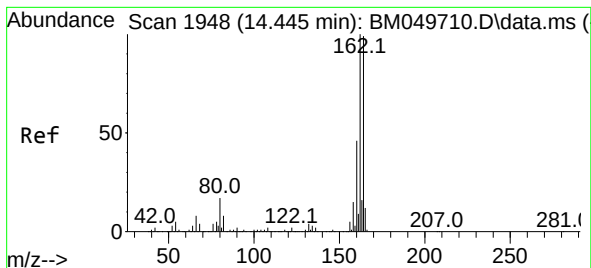
Tgt Ion:142 Resp: 2194041  
Ion Ratio Lower Upper  
142 100  
141 86.8 70.5 105.7  
115 32.3 26.5 39.7



#38  
1-Methylnaphthalene  
Concen: 46.126 ng  
RT: 12.469 min Scan# 1612  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:142 Resp: 2303069  
Ion Ratio Lower Upper  
142 100  
141 90.1 73.4 110.2  
116 3.4 2.8 4.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.427 min Scan# 1945

Delta R.T. -0.018 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Instrument :

BNA\_M

ClientSampleId :

PB167428BS

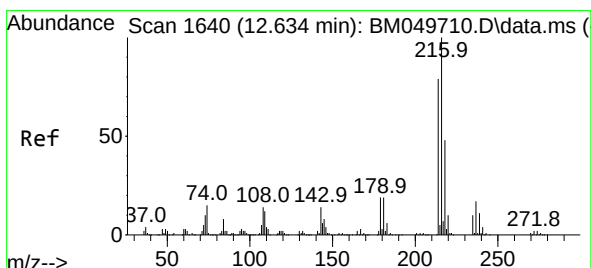
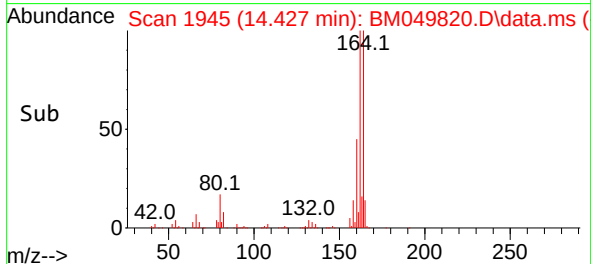
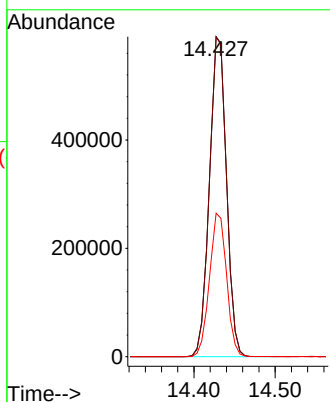
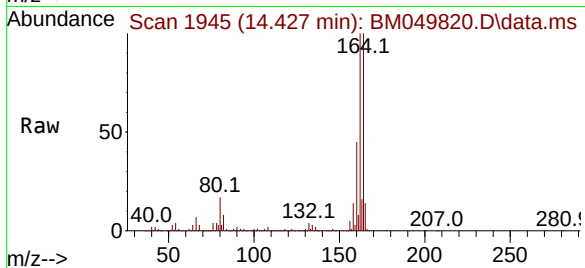
Tgt Ion:164 Resp: 860722

Ion Ratio Lower Upper

164 100

162 99.9 80.5 120.7

160 44.8 36.9 55.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.663 ng

RT: 12.621 min Scan# 1638

Delta R.T. -0.012 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Tgt Ion:216 Resp: 1538543

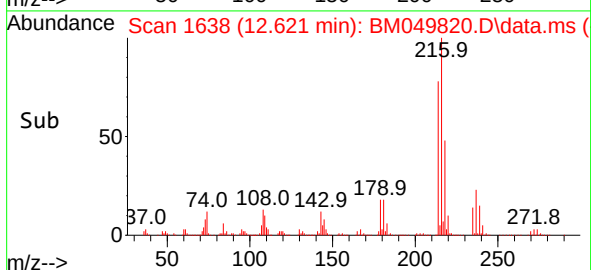
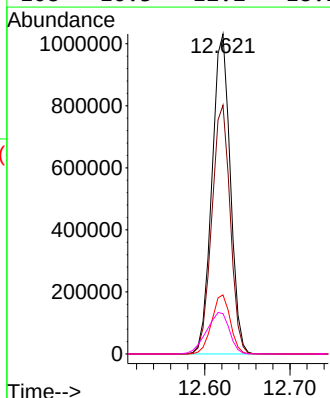
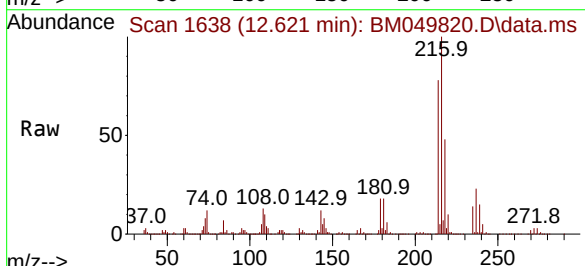
Ion Ratio Lower Upper

216 100

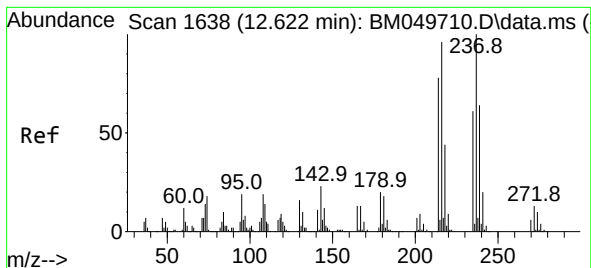
214 78.1 63.5 95.3

179 18.8 15.7 23.5

108 16.3 12.2 18.2

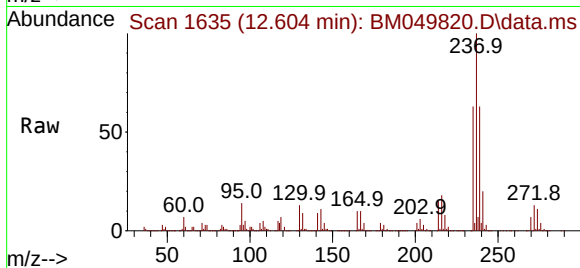




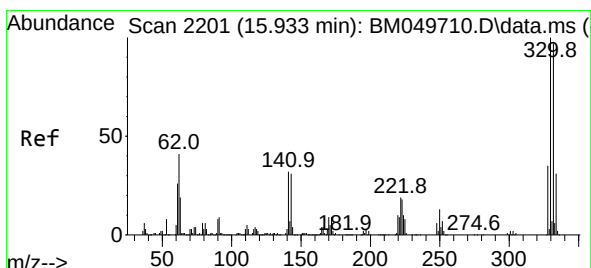
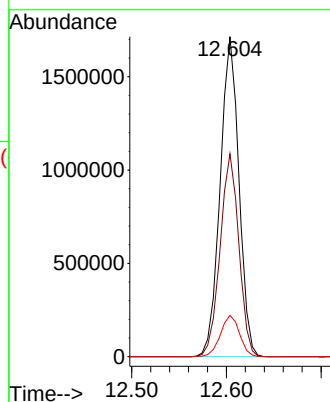
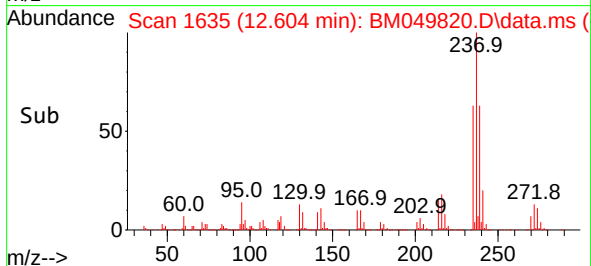


#41  
Hexachlorocyclopentadiene  
Concen: 201.555 ng  
RT: 12.604 min Scan# 1  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

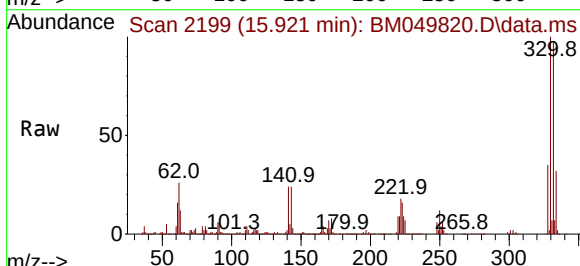
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS



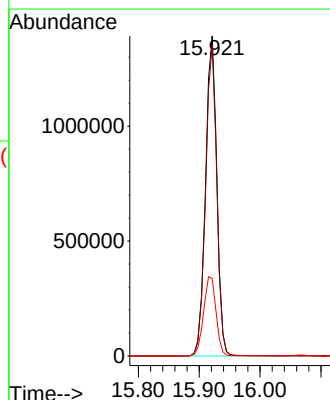
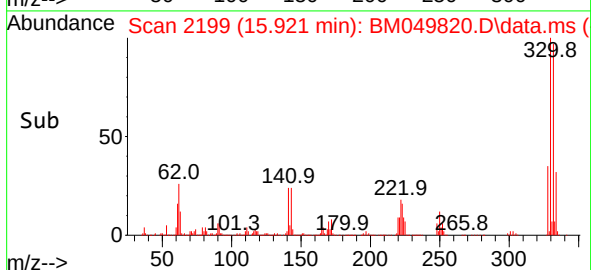
Tgt Ion:237 Resp: 2360762  
Ion Ratio Lower Upper  
237 100  
235 63.4 41.1 81.1  
272 12.9 0.0 32.5

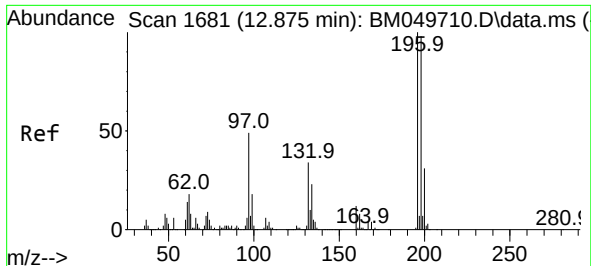


#42  
2,4,6-Tribromophenol  
Concen: 178.773 ng  
RT: 15.921 min Scan# 2199  
Delta R.T. -0.012 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35



Tgt Ion:330 Resp: 1796787  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.0 115.4  
141 27.4 27.8 41.6#

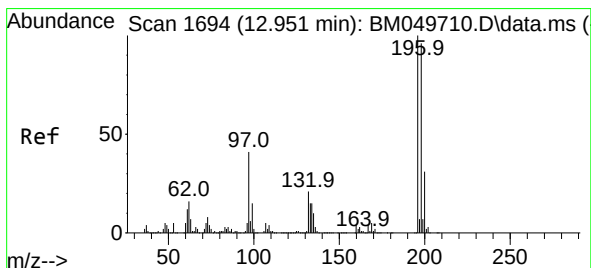
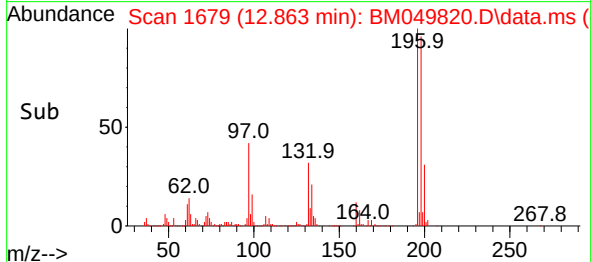
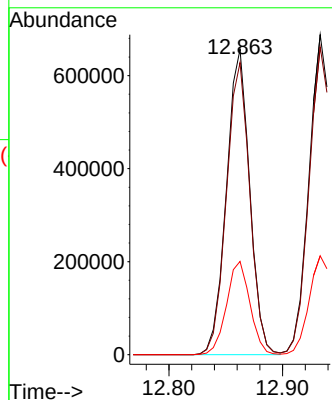
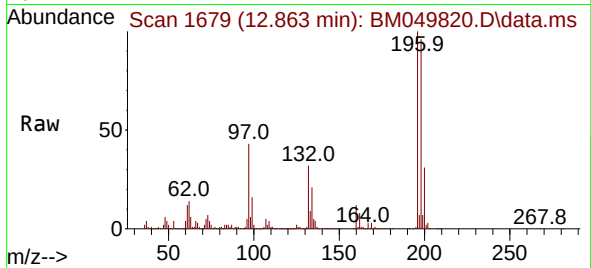




#43  
2,4,6-Trichlorophenol  
Concen: 52.729 ng  
RT: 12.863 min Scan# 1679  
Delta R.T. -0.012 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

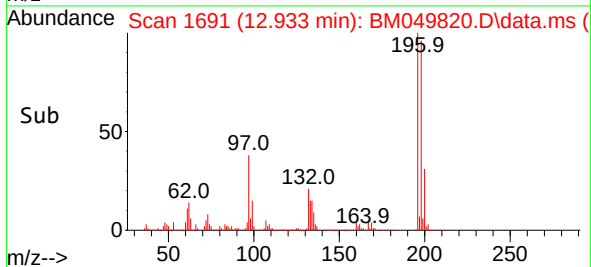
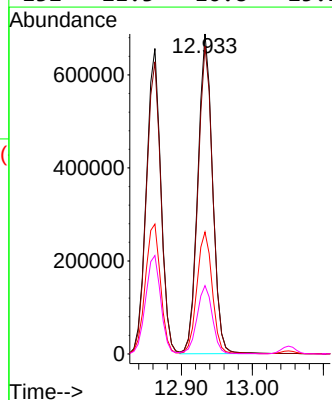
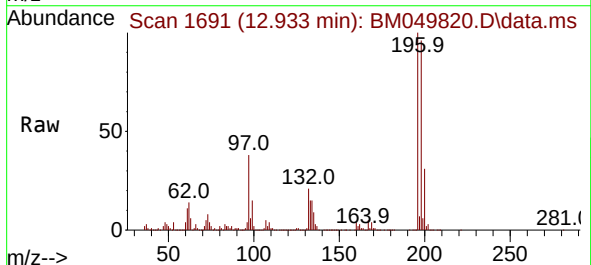
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

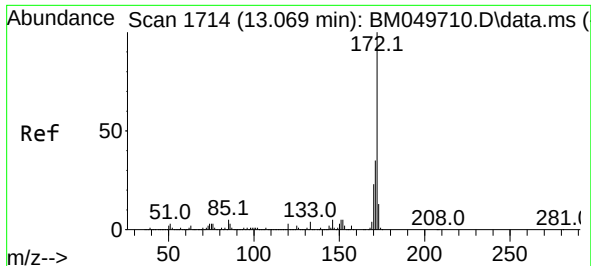
Tgt Ion:196 Resp: 933673  
Ion Ratio Lower Upper  
196 100  
198 95.7 78.3 117.5  
200 30.6 25.1 37.7



#44  
2,4,5-Trichlorophenol  
Concen: 51.365 ng  
RT: 12.933 min Scan# 1691  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:196 Resp: 992516  
Ion Ratio Lower Upper  
196 100  
198 96.1 76.7 115.1  
97 38.1 32.9 49.3  
132 21.3 16.8 25.2

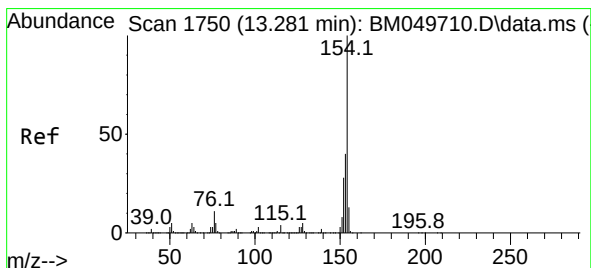
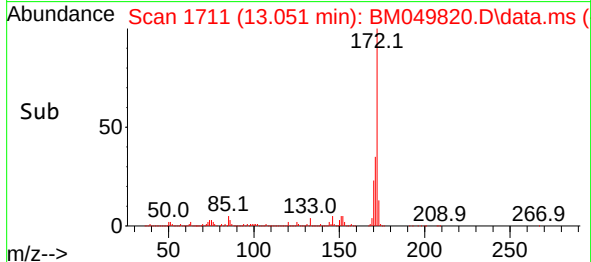
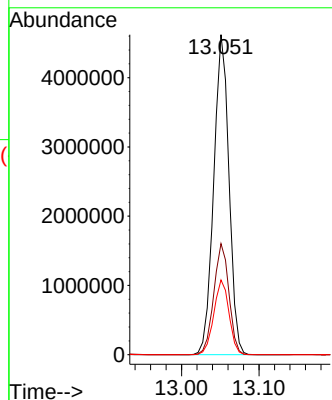
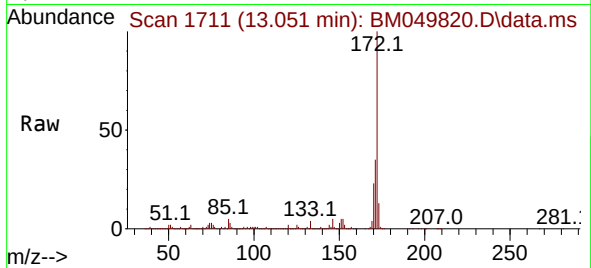




#45  
2-Fluorobiphenyl  
Concen: 91.810 ng  
RT: 13.051 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

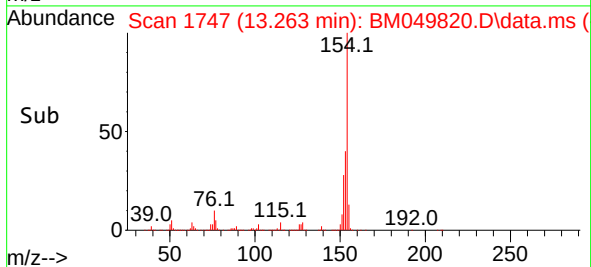
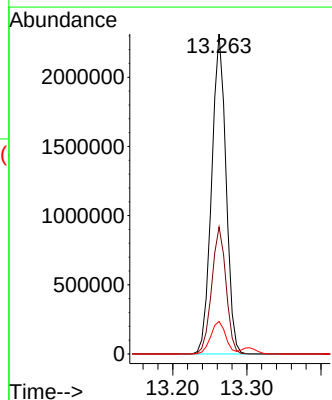
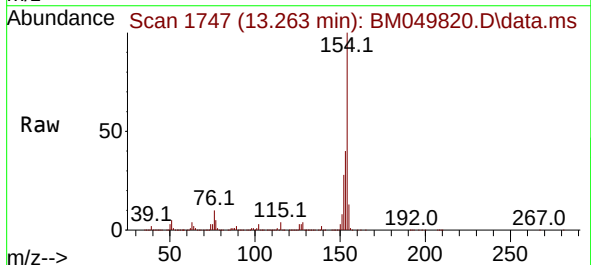
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

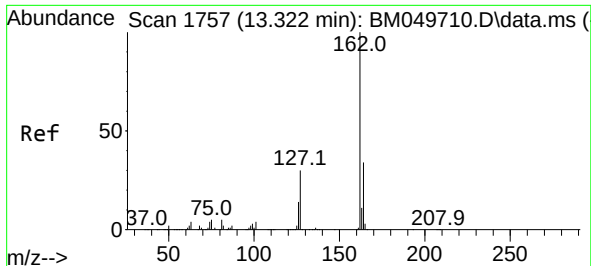
Tgt Ion:172 Resp: 6309844  
Ion Ratio Lower Upper  
172 100  
171 34.7 27.9 41.9  
170 23.4 18.6 28.0



#46  
1,1'-Biphenyl  
Concen: 46.893 ng  
RT: 13.263 min Scan# 1747  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:154 Resp: 3110726  
Ion Ratio Lower Upper  
154 100  
153 39.7 19.7 59.7  
76 10.2 0.0 31.2

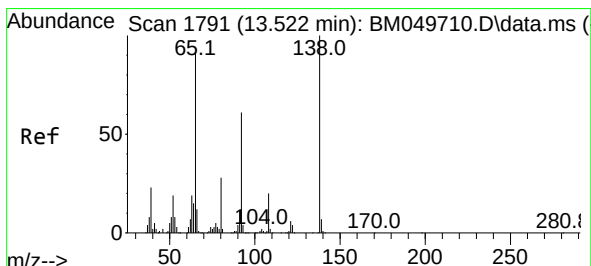
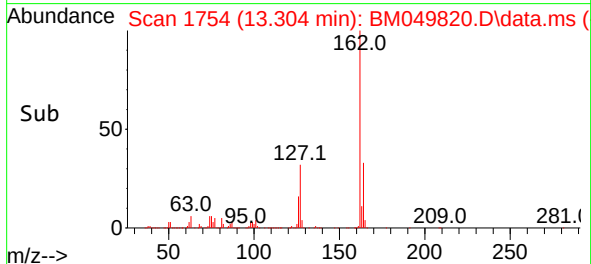
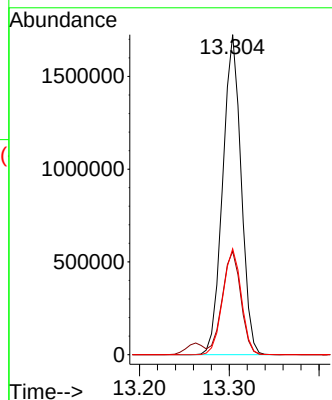
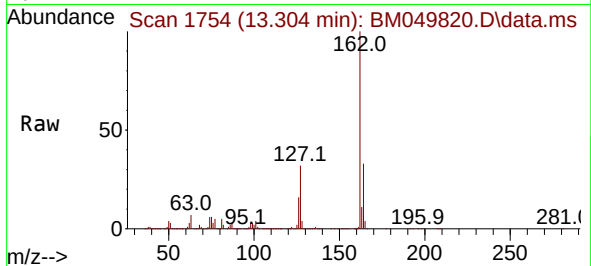




#47  
2-Chloronaphthalene  
Concen: 47.537 ng  
RT: 13.304 min Scan# 1  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

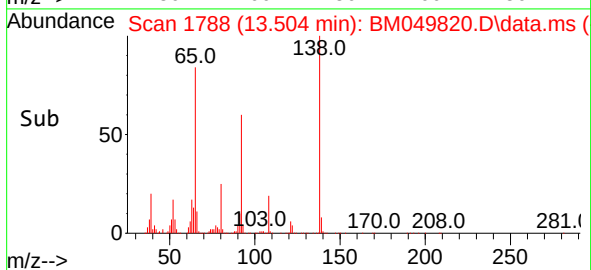
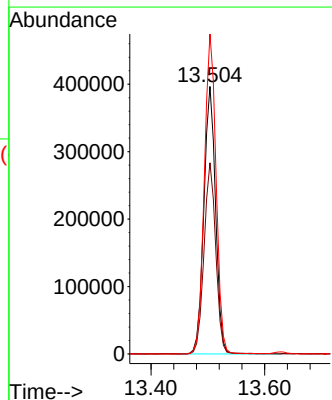
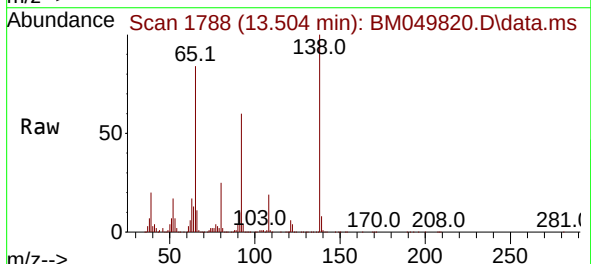
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

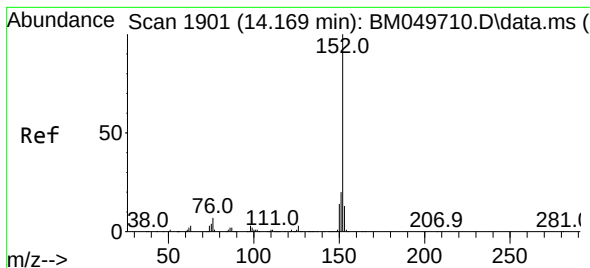
Tgt Ion:162 Resp: 2454540  
Ion Ratio Lower Upper  
162 100  
127 32.3 25.8 38.6  
164 33.1 27.1 40.7



#48  
2-Nitroaniline  
Concen: 49.155 ng  
RT: 13.504 min Scan# 1788  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion: 65 Resp: 569765  
Ion Ratio Lower Upper  
65 100  
92 71.5 53.4 80.2  
138 119.6 87.6 131.4





#49

Acenaphthylene

Concen: 52.773 ng

RT: 14.151 min Scan# 11

Delta R.T. -0.018 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Instrument :

BNA\_M

ClientSampleId :

PB167428BS

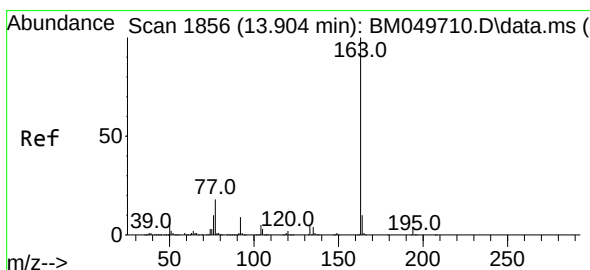
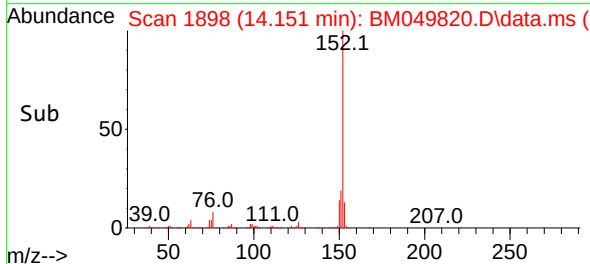
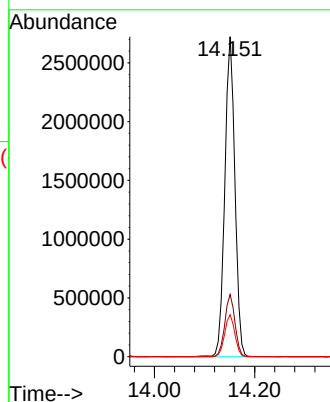
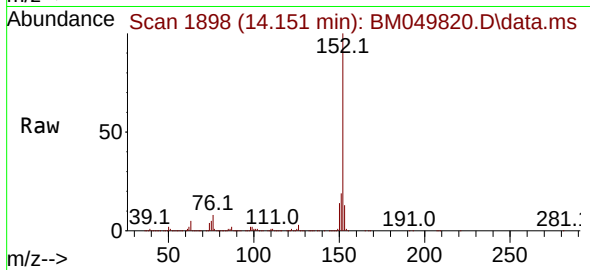
Tgt Ion:152 Resp: 3808801

Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.8

153 13.1 10.2 15.4



#50

Dimethylphthalate

Concen: 48.016 ng

RT: 13.886 min Scan# 1853

Delta R.T. -0.018 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

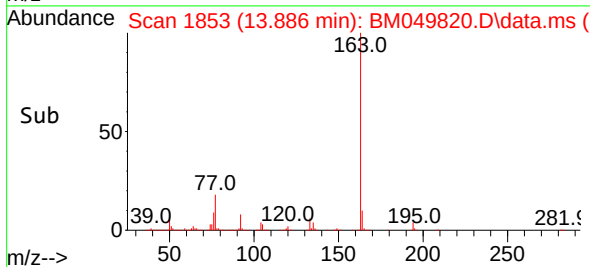
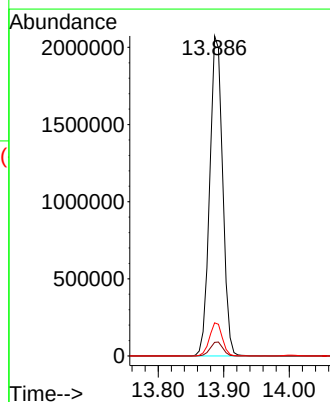
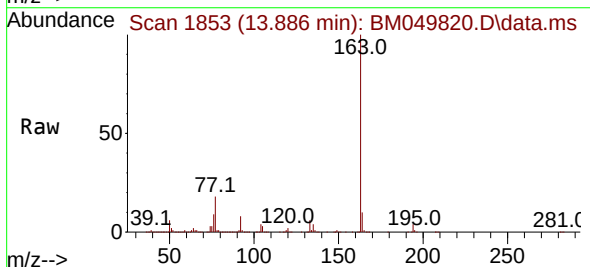
Tgt Ion:163 Resp: 2845426

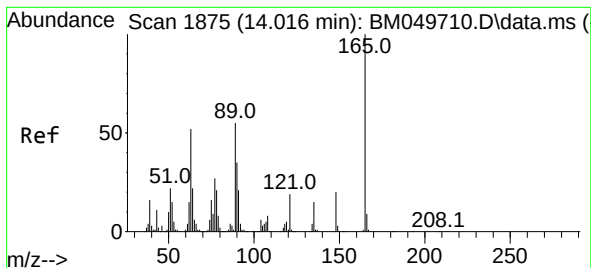
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.4 8.2 12.2

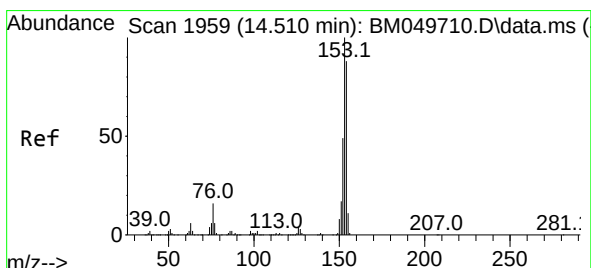
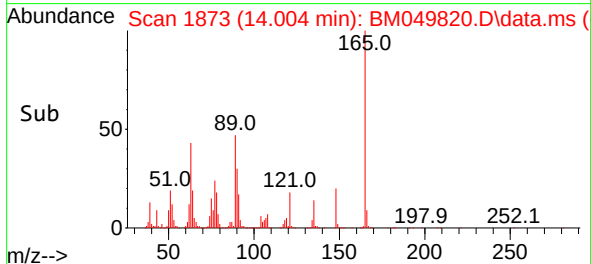
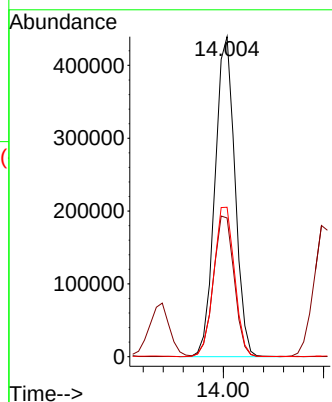
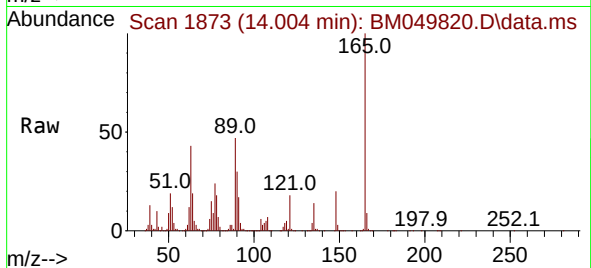




#51  
2,6-Dinitrotoluene  
Concen: 51.116 ng  
RT: 14.004 min Scan# 1875  
Delta R.T. -0.012 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

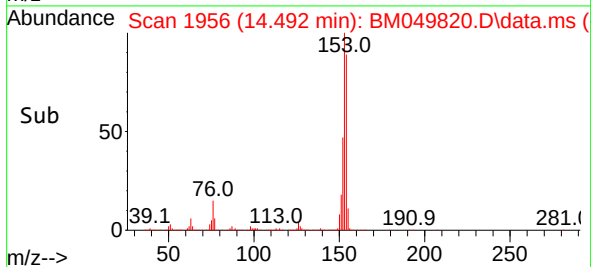
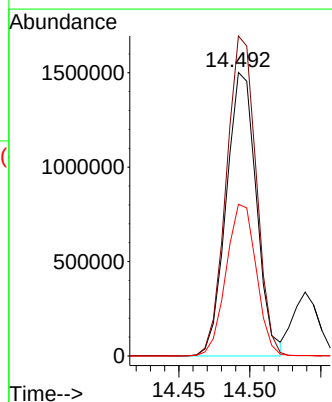
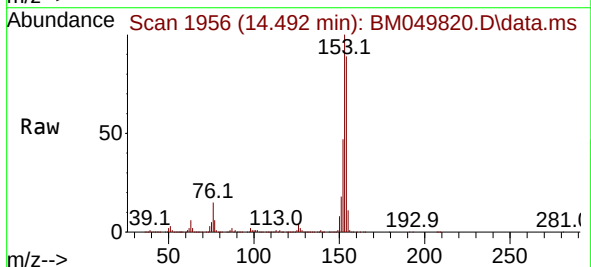
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

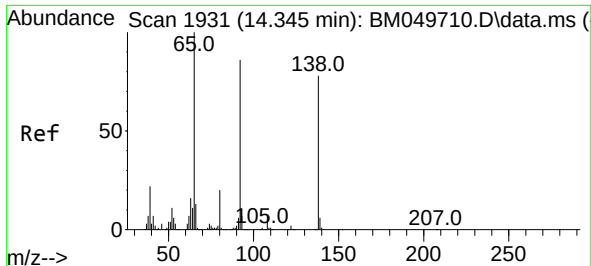
Tgt Ion:165 Resp: 606954  
Ion Ratio Lower Upper  
165 100  
63 43.3 42.3 63.5  
89 46.7 43.9 65.9



#52  
Acenaphthene  
Concen: 46.765 ng  
RT: 14.492 min Scan# 1956  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

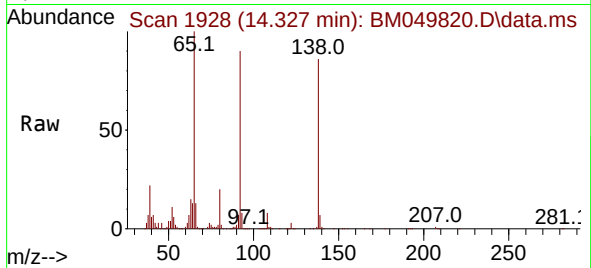
Tgt Ion:154 Resp: 2213902  
Ion Ratio Lower Upper  
154 100  
153 112.9 90.4 135.6  
152 53.5 44.2 66.2



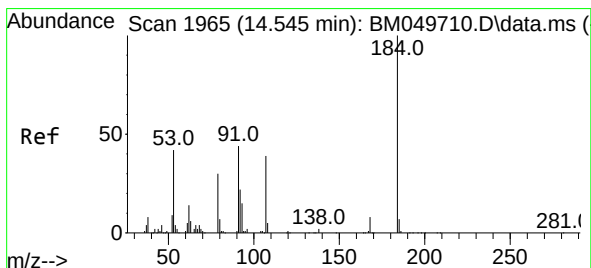
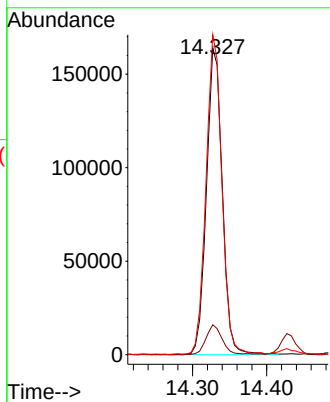
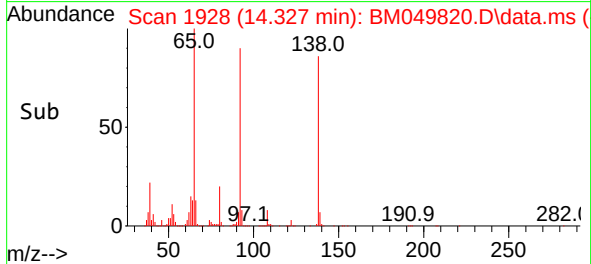


#53  
3-Nitroaniline  
Concen: 21.587 ng  
RT: 14.327 min Scan# 1931  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

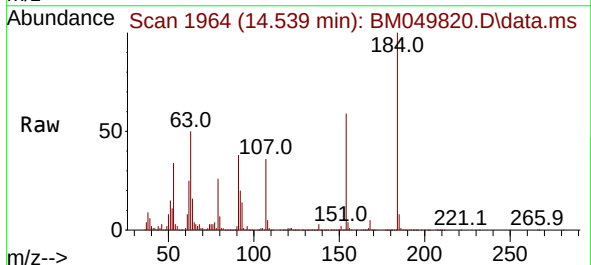
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS



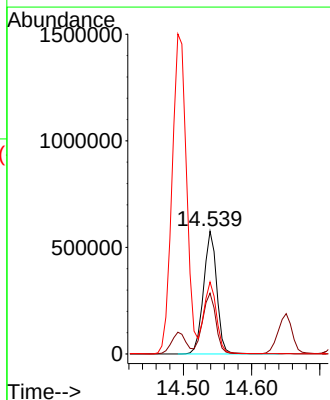
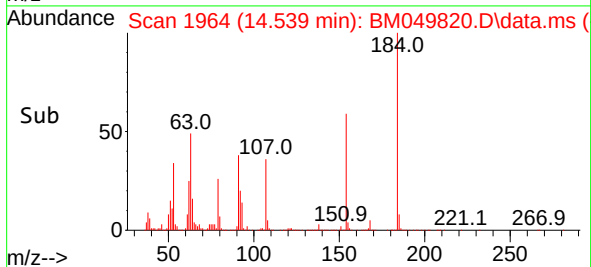
Tgt Ion:138 Resp: 243923  
Ion Ratio Lower Upper  
138 100  
108 9.7 7.5 11.3  
92 104.3 88.0 132.0

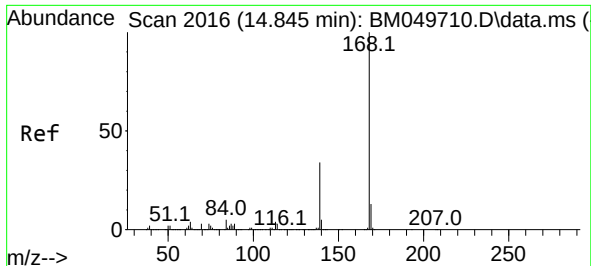


#54  
2,4-Dinitrophenol  
Concen: 95.619 ng  
RT: 14.539 min Scan# 1964  
Delta R.T. -0.006 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35



Tgt Ion:184 Resp: 779978  
Ion Ratio Lower Upper  
184 100  
63 49.6 47.2 70.8  
154 58.6 49.9 74.9

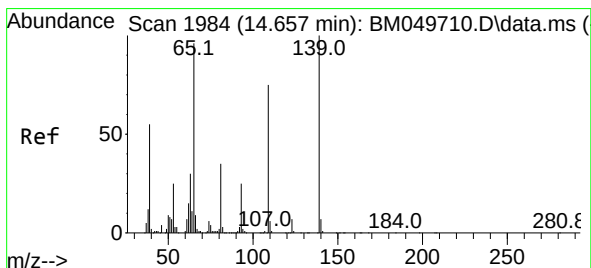
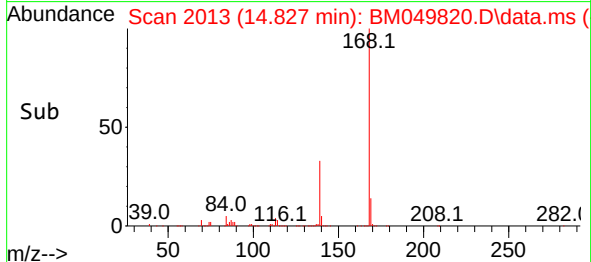
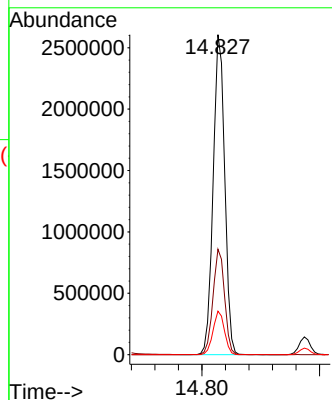
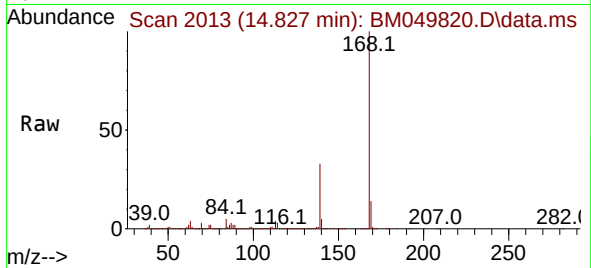




#55  
Dibenzenofuran  
Concen: 45.065 ng  
RT: 14.827 min Scan# 2016  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

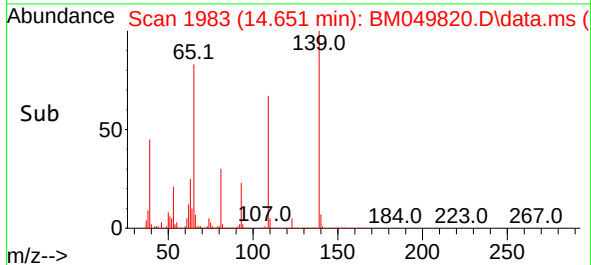
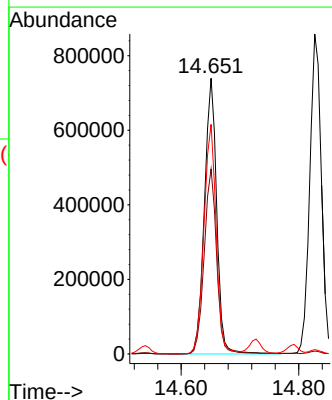
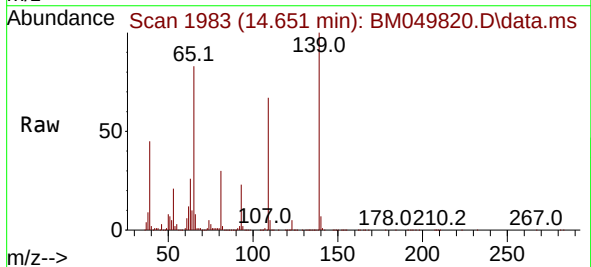
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

Tgt Ion:168 Resp: 3554967  
Ion Ratio Lower Upper  
168 100  
139 32.9 27.4 41.0  
169 13.6 10.7 16.1

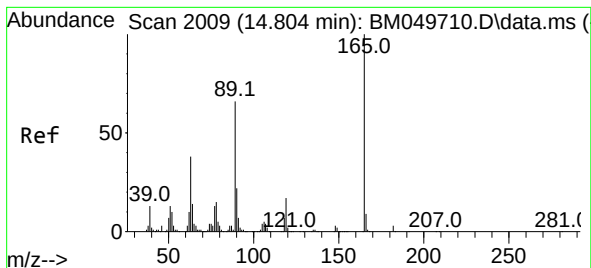


#56  
4-Nitrophenol  
Concen: 108.947 ng  
RT: 14.651 min Scan# 1983  
Delta R.T. -0.006 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:139 Resp: 1071551  
Ion Ratio Lower Upper  
139 100  
109 67.1 54.7 94.7  
65 83.3 76.2 116.2



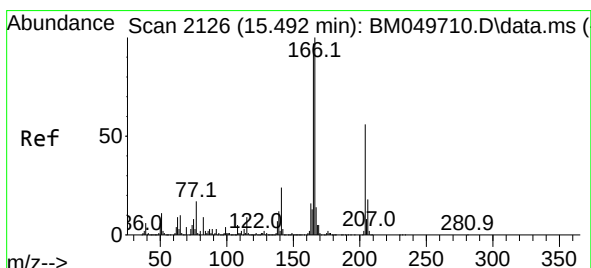
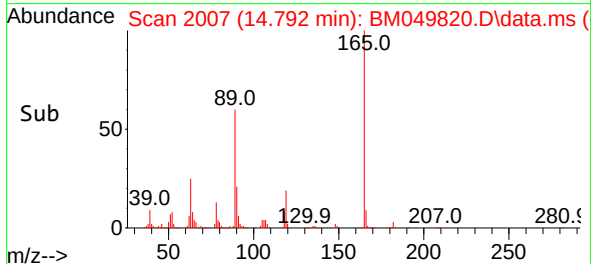
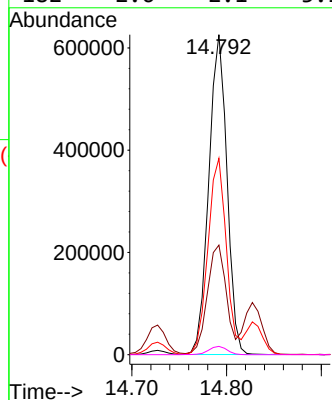
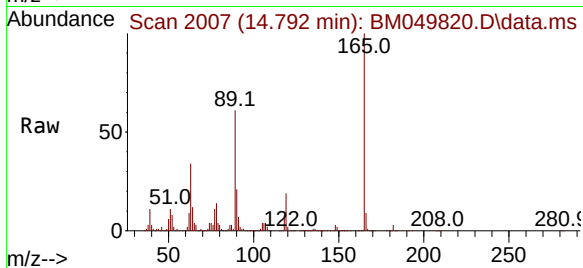




#57  
2,4-Dinitrotoluene  
Concen: 54.381 ng  
RT: 14.792 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

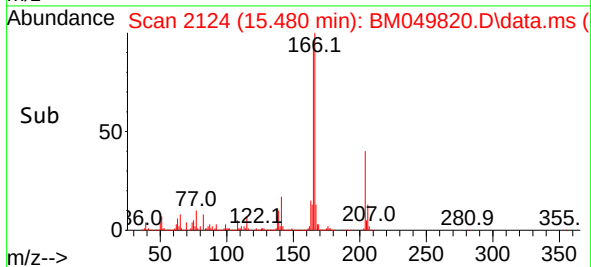
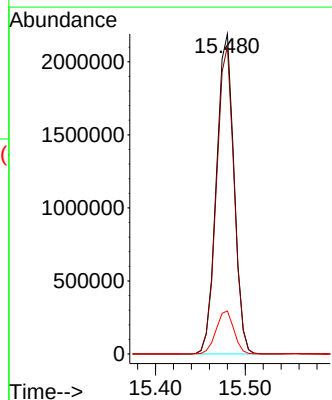
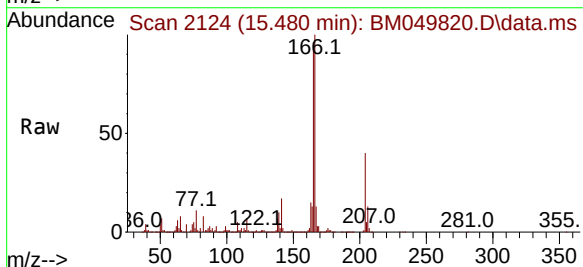
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

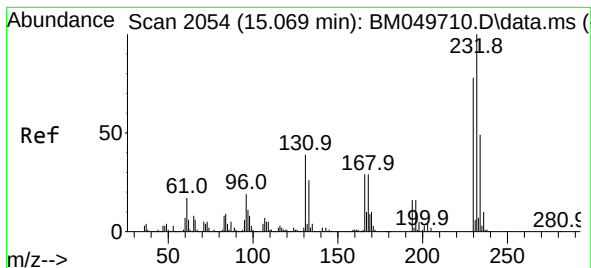
Tgt Ion:165 Resp: 830895  
Ion Ratio Lower Upper  
165 100  
63 34.3 30.8 46.2  
89 61.4 53.1 79.7  
182 2.6 2.1 3.1



#58  
Fluorene  
Concen: 46.431 ng  
RT: 15.480 min Scan# 2124  
Delta R.T. -0.012 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:166 Resp: 2982094  
Ion Ratio Lower Upper  
166 100  
165 96.2 77.5 116.3  
167 13.4 10.9 16.3

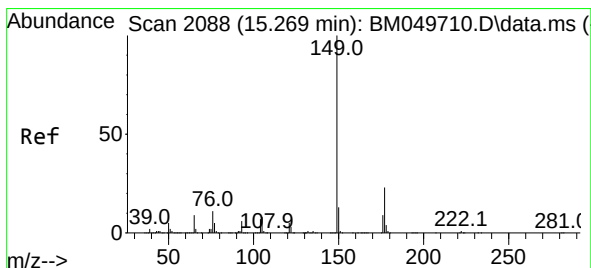
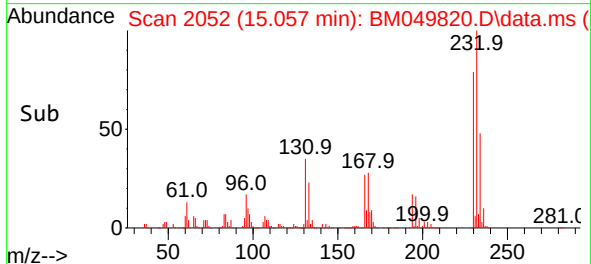
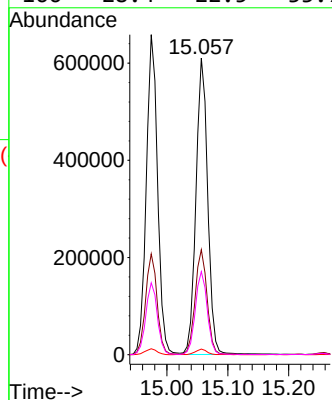
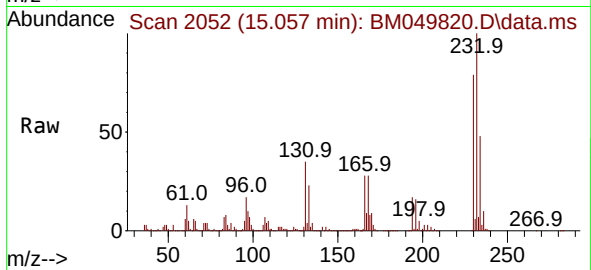




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 50.531 ng  
RT: 15.057 min Scan# 2052  
Delta R.T. -0.012 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

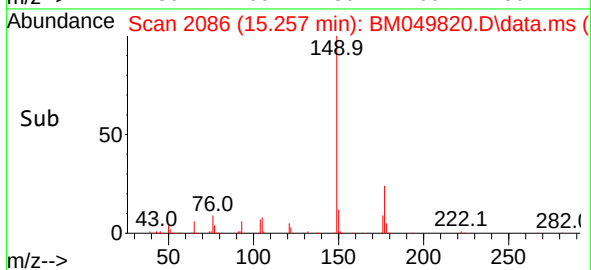
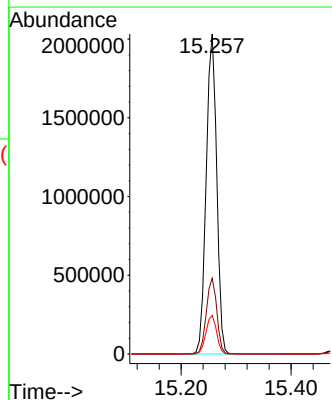
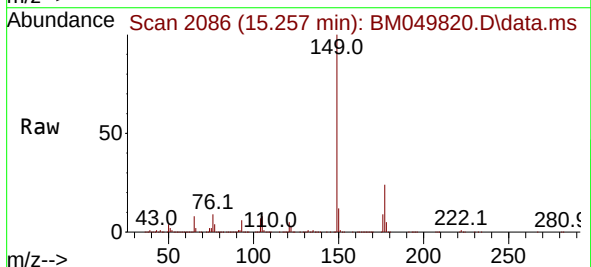
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

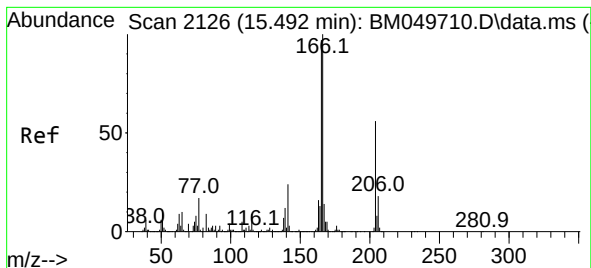
Tgt Ion:232 Resp: 817324  
Ion Ratio Lower Upper  
232 100  
131 35.9 30.0 45.0  
130 1.9 1.6 2.4  
166 28.4 22.5 33.7



#60  
Diethylphthalate  
Concen: 48.172 ng  
RT: 15.257 min Scan# 2086  
Delta R.T. -0.012 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:149 Resp: 2688604  
Ion Ratio Lower Upper  
149 100  
177 23.7 18.2 27.2  
150 12.1 10.0 15.0

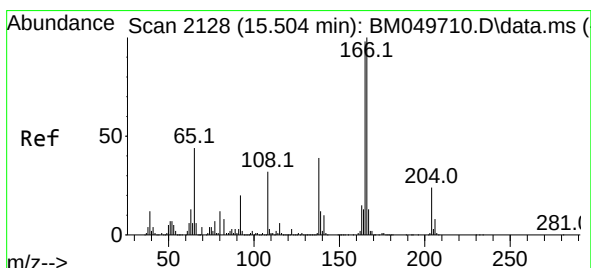
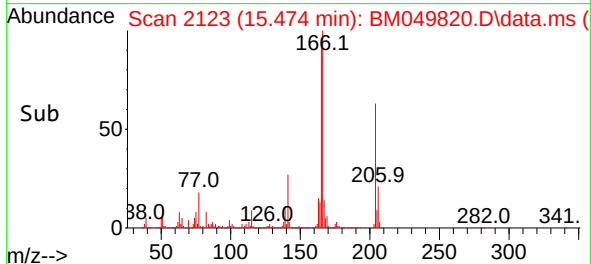
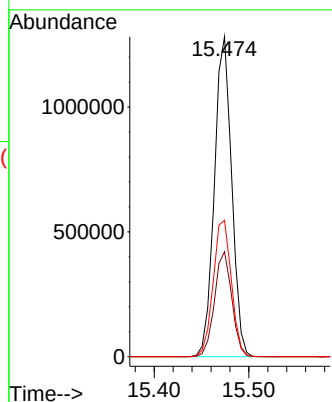
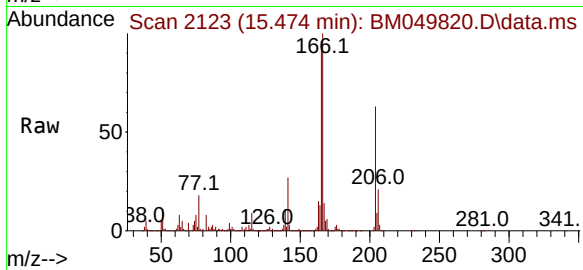




#61  
4-Chlorophenyl-phenylether  
Concen: 46.482 ng  
RT: 15.474 min Scan# 2123  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

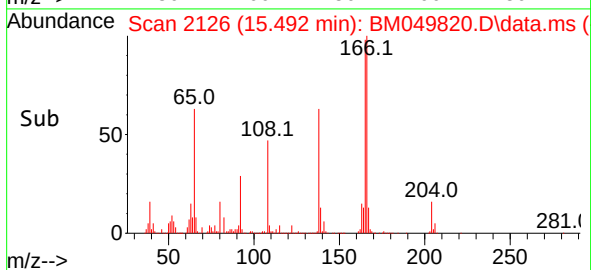
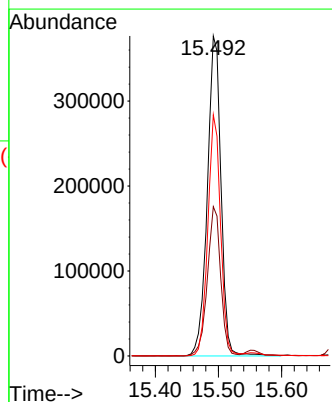
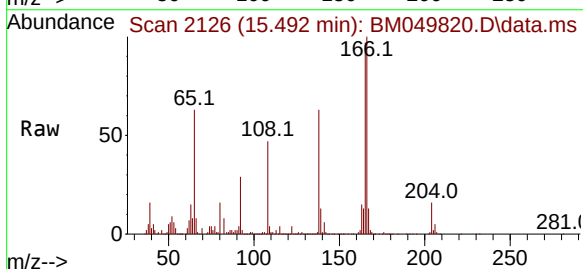
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

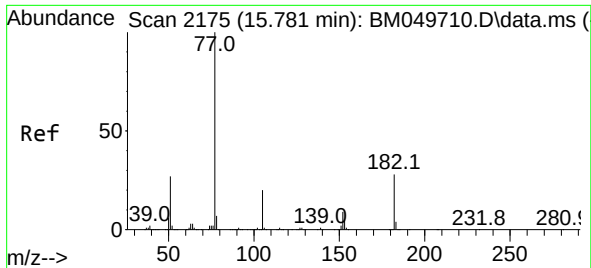
Tgt Ion:204 Resp: 1630217  
Ion Ratio Lower Upper  
204 100  
206 32.8 25.2 37.8  
141 42.7 34.5 51.7



#62  
4-Nitroaniline  
Concen: 42.751 ng  
RT: 15.492 min Scan# 2126  
Delta R.T. -0.012 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:138 Resp: 568749  
Ion Ratio Lower Upper  
138 100  
92 46.6 29.8 69.8  
108 75.3 61.3 101.3



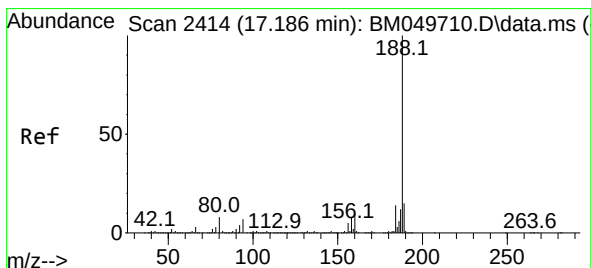
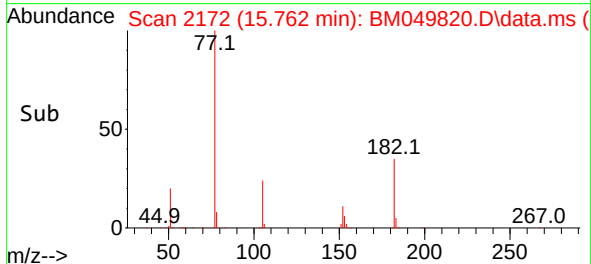
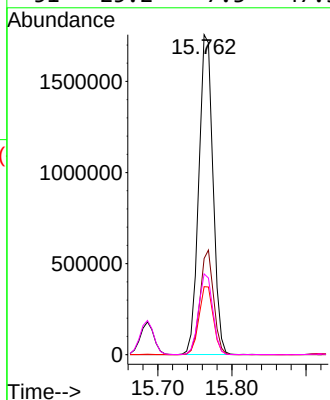
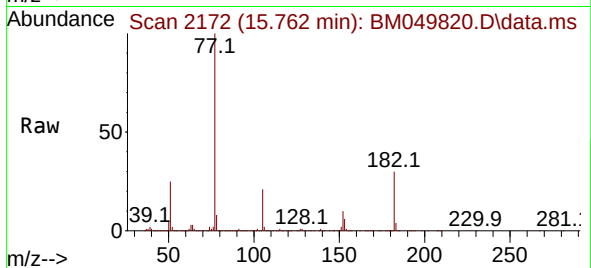


#63  
Azobenzene  
Concen: 43.765 ng  
RT: 15.762 min Scan# 2172  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

Tgt Ion: 77 Resp: 2333127

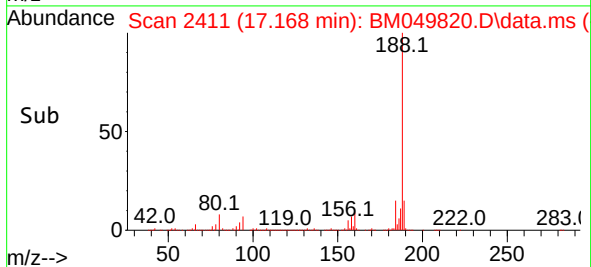
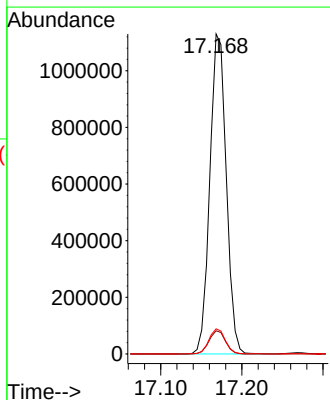
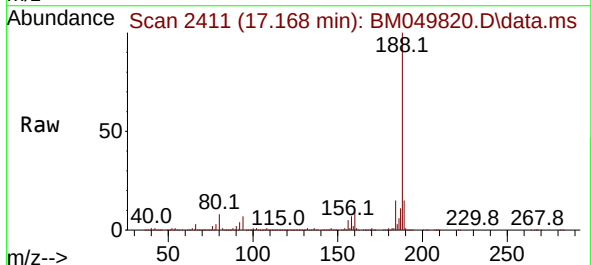
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 30.0  | 8.0   | 48.0  |
| 105 | 21.2  | 0.0   | 40.0  |
| 51  | 25.2  | 7.3   | 47.3  |

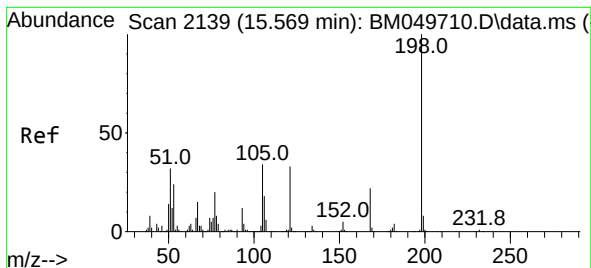


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.168 min Scan# 2411  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion: 188 Resp: 1585330

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 7.3   | 5.8   | 8.6   |
| 80  | 7.8   | 6.3   | 9.5   |

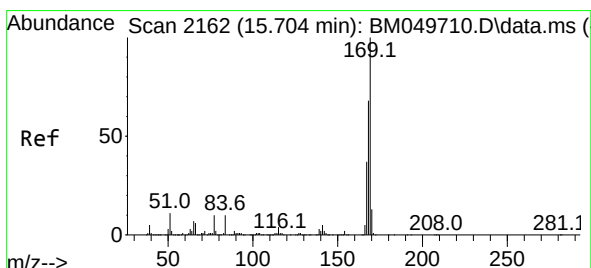
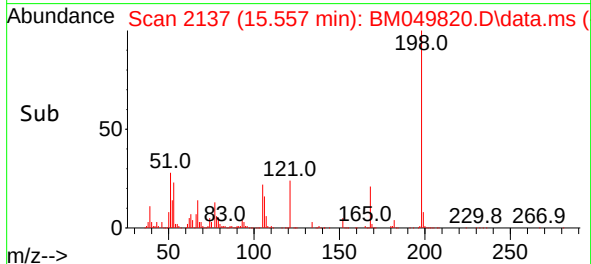
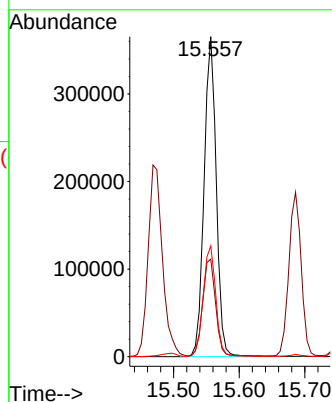
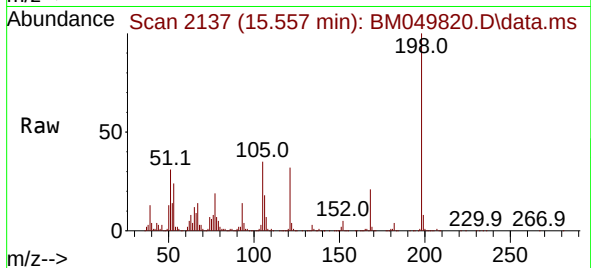




#65  
4,6-Dinitro-2-methylphenol  
Concen: 53.267 ng  
RT: 15.557 min Scan# 2137  
Delta R.T. -0.012 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

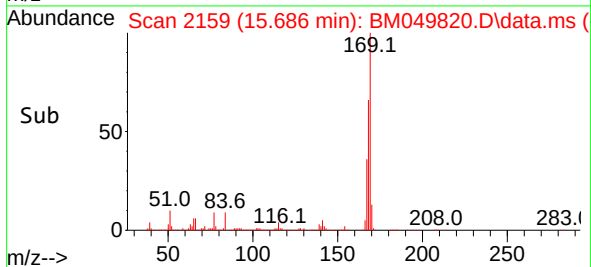
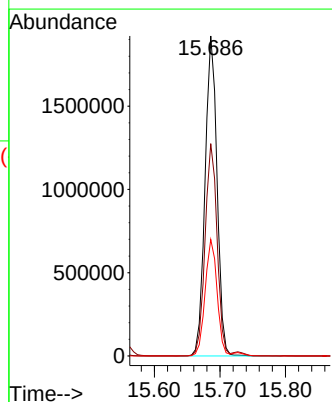
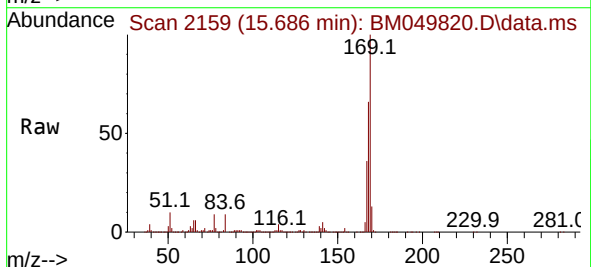
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

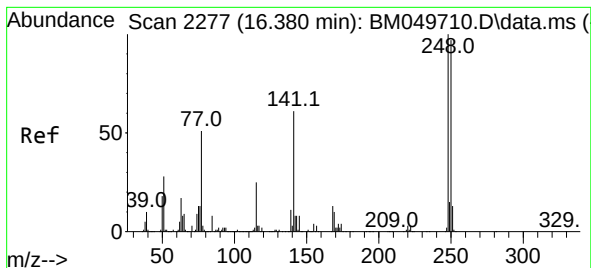
Tgt Ion:198 Resp: 472950  
Ion Ratio Lower Upper  
198 100  
51 30.5 13.8 53.8  
105 34.6 14.0 54.0



#66  
n-Nitrosodiphenylamine  
Concen: 50.889 ng  
RT: 15.686 min Scan# 2159  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:169 Resp: 2444332  
Ion Ratio Lower Upper  
169 100  
168 66.3 54.8 82.2  
167 36.4 29.9 44.9

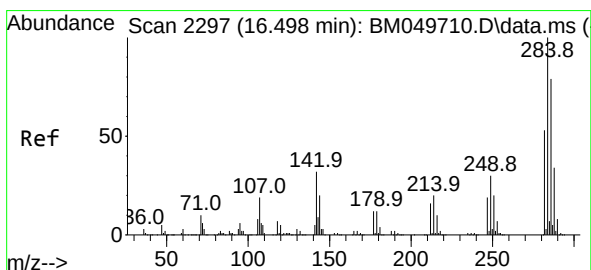
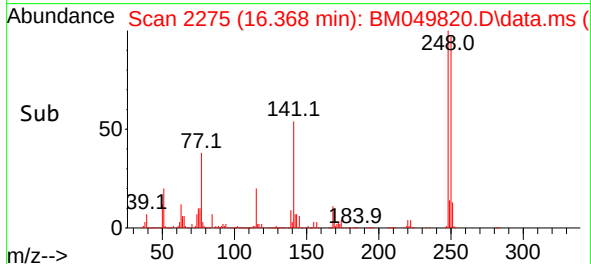
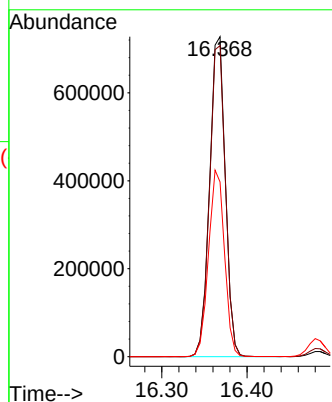
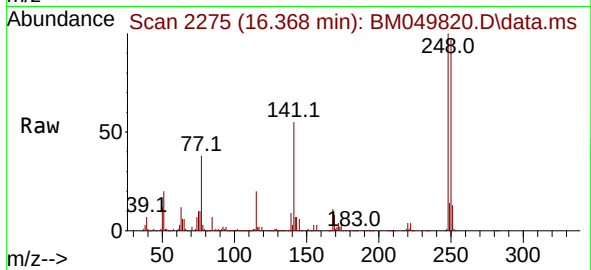




#67  
4-Bromophenyl-phenylether  
Concen: 50.987 ng  
RT: 16.368 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

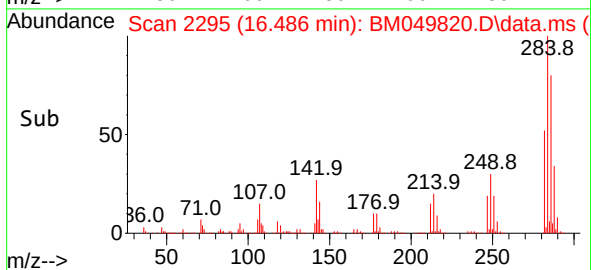
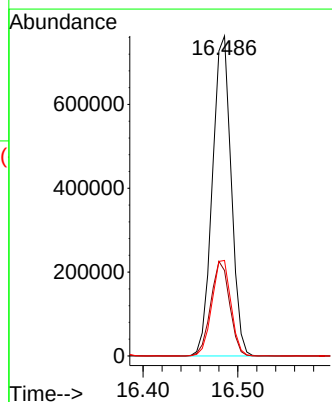
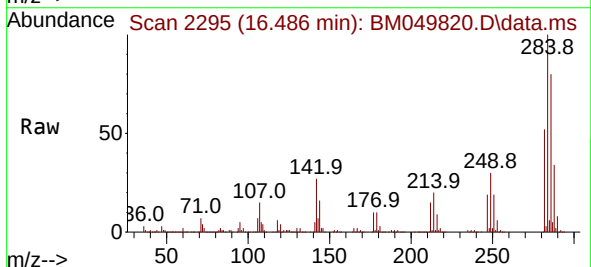
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

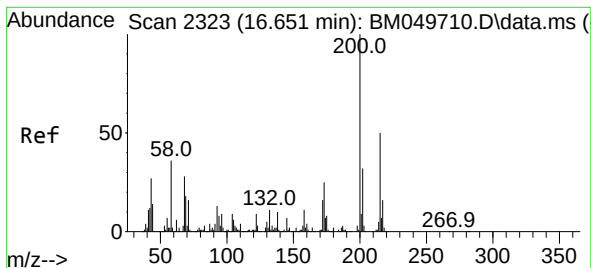
Tgt Ion:248 Resp: 933250  
Ion Ratio Lower Upper  
248 100  
250 97.2 77.9 116.9  
141 54.6 48.6 73.0



#68  
Hexachlorobenzene  
Concen: 51.039 ng  
RT: 16.486 min Scan# 2295  
Delta R.T. -0.012 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:284 Resp: 1050523  
Ion Ratio Lower Upper  
284 100  
142 26.7 25.5 38.3  
249 29.8 24.2 36.2





#69

Atrazine

Concen: 81.529 ng

RT: 16.639 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Instrument :

BNA\_M

ClientSampleId :

PB167428BS

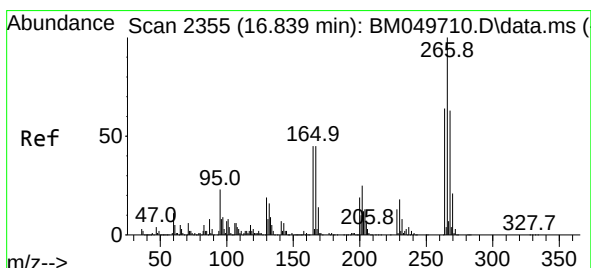
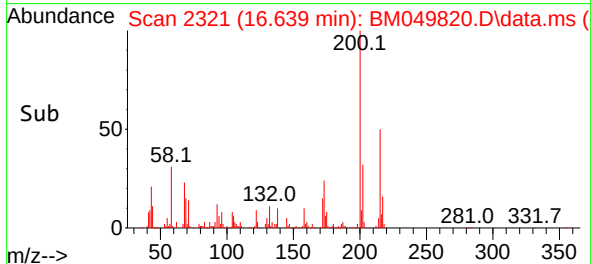
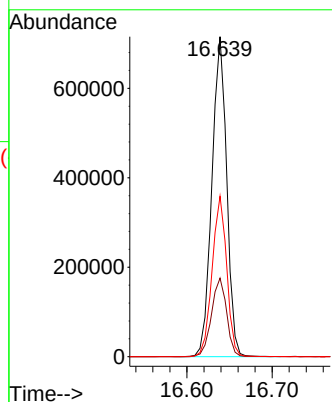
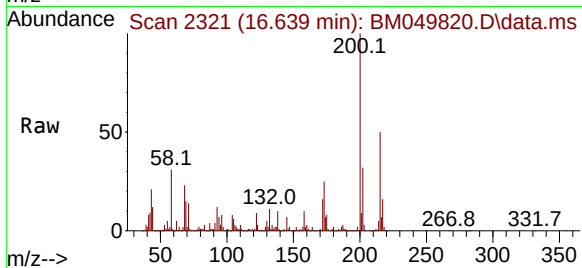
Tgt Ion:200 Resp: 863029

Ion Ratio Lower Upper

200 100

173 24.6 5.4 45.4

215 50.2 29.8 69.8



#70

Pentachlorophenol

Concen: 115.271 ng

RT: 16.827 min Scan# 2353

Delta R.T. -0.012 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

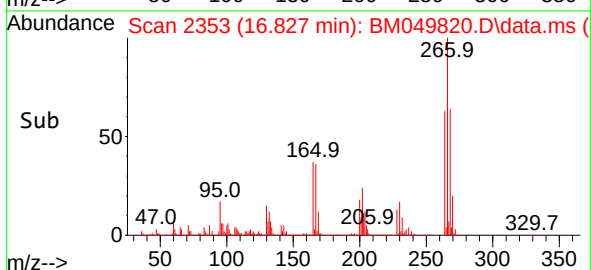
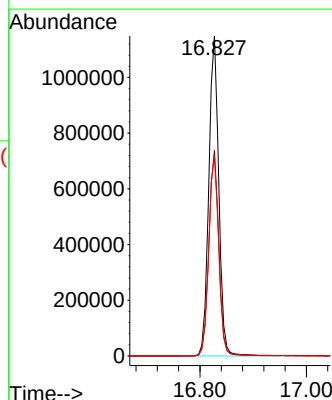
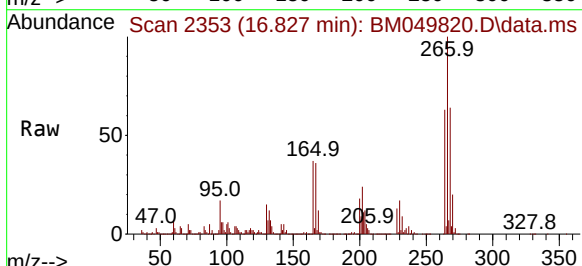
Tgt Ion:266 Resp: 1491006

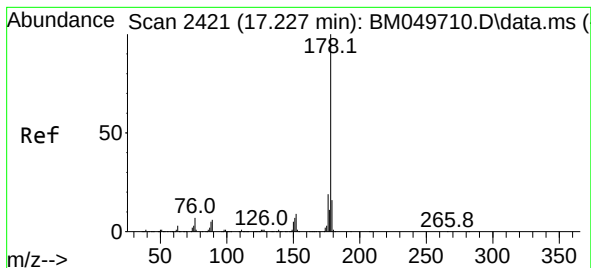
Ion Ratio Lower Upper

266 100

268 64.2 50.2 75.2

264 62.6 51.3 76.9





#71

Phenanthrene

Concen: 49.360 ng

RT: 17.215 min Scan# 2419

Delta R.T. -0.012 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Instrument :

BNA\_M

ClientSampleId :

PB167428BS

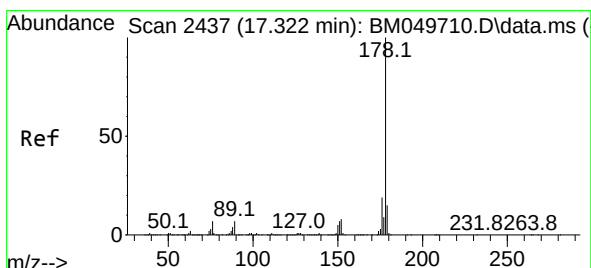
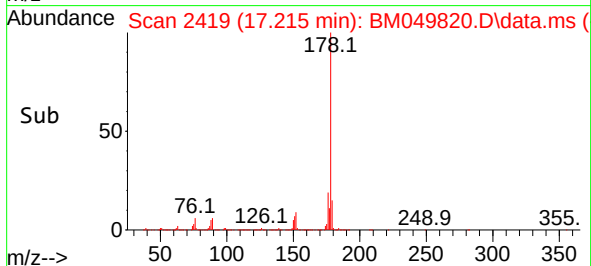
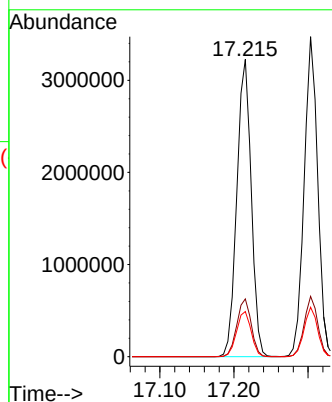
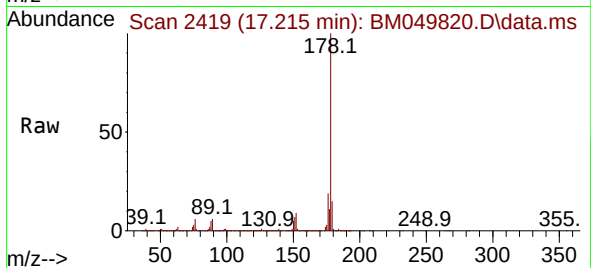
Tgt Ion:178 Resp: 4345172

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 15.2 12.5 18.7



#72

Anthracene

Concen: 51.918 ng

RT: 17.303 min Scan# 2434

Delta R.T. -0.018 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

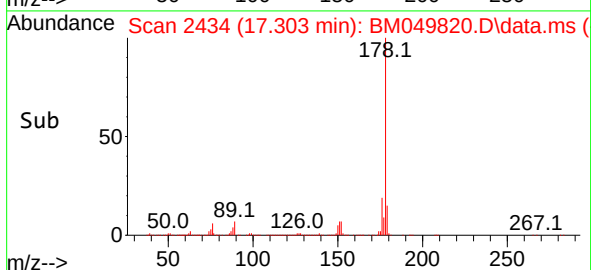
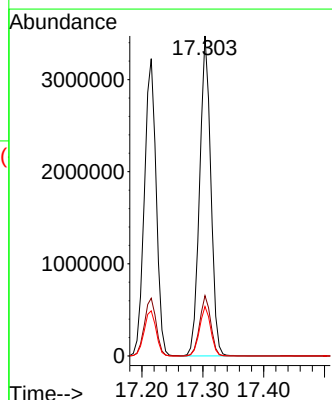
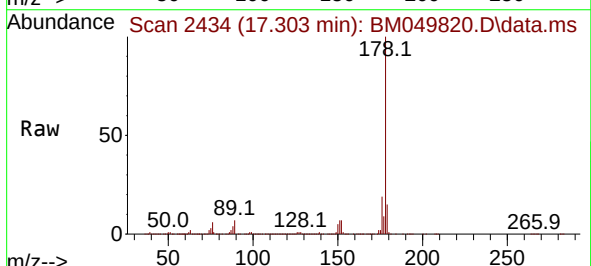
Tgt Ion:178 Resp: 4426158

Ion Ratio Lower Upper

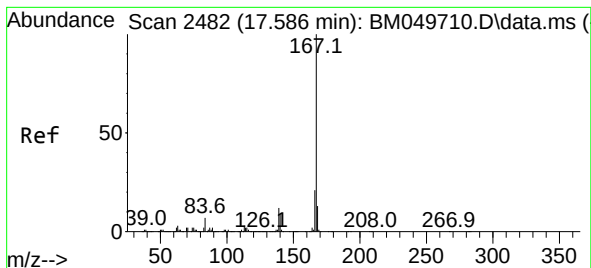
178 100

176 18.8 15.1 22.7

179 15.4 12.4 18.6







#73

Carbazole

Concen: 50.469 ng

RT: 17.574 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Instrument :

BNA\_M

ClientSampleId :

PB167428BS

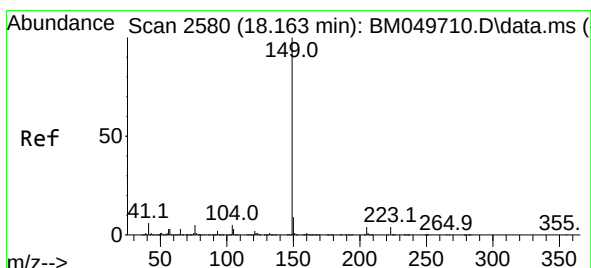
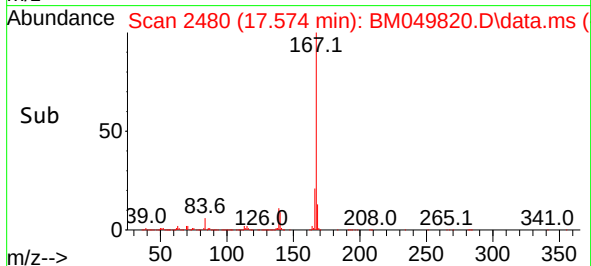
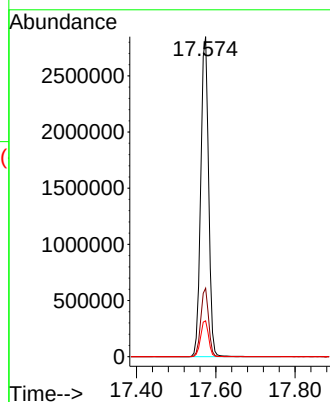
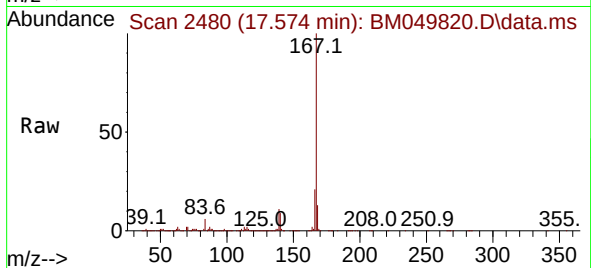
Tgt Ion:167 Resp: 3896574

Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.6

139 11.2 9.4 14.2



#74

Di-n-butylphthalate

Concen: 52.801 ng

RT: 18.139 min Scan# 2576

Delta R.T. -0.024 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

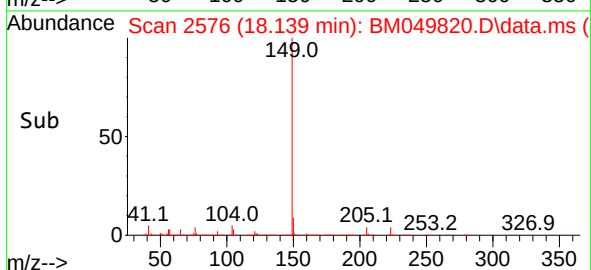
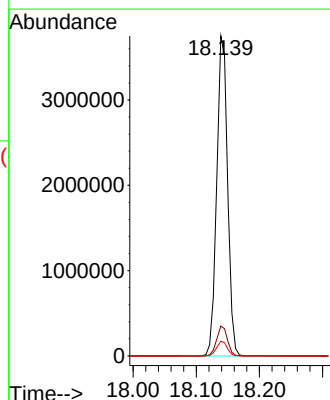
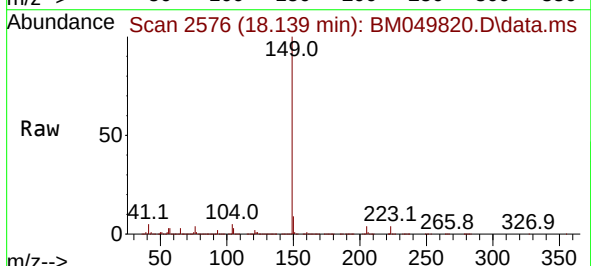
Tgt Ion:149 Resp: 4468135

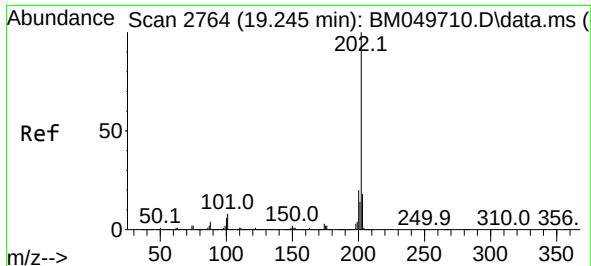
Ion Ratio Lower Upper

149 100

150 9.3 7.2 10.8

104 4.6 3.9 5.9

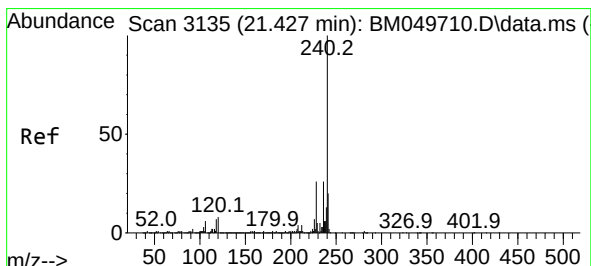
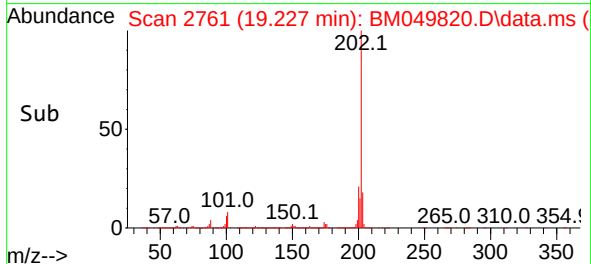
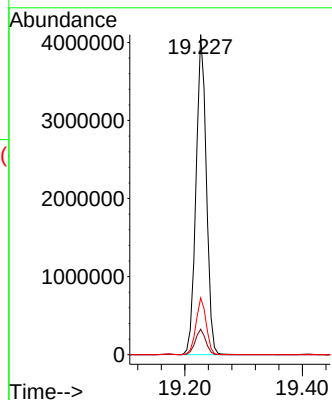
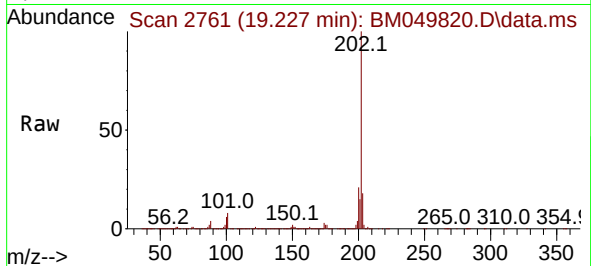




#75  
Fluoranthene  
Concen: 49.247 ng  
RT: 19.227 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

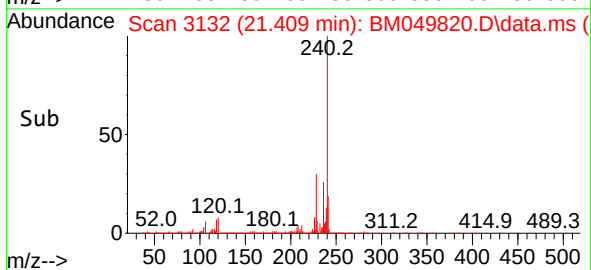
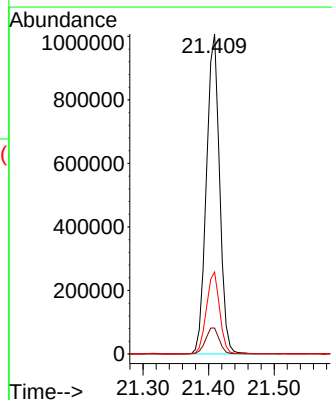
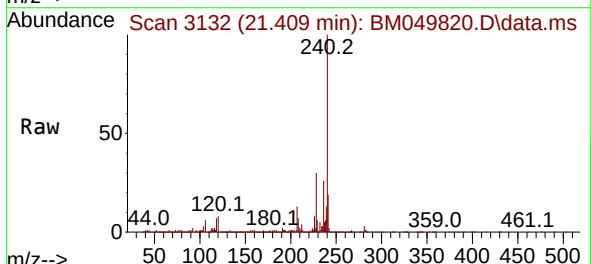
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

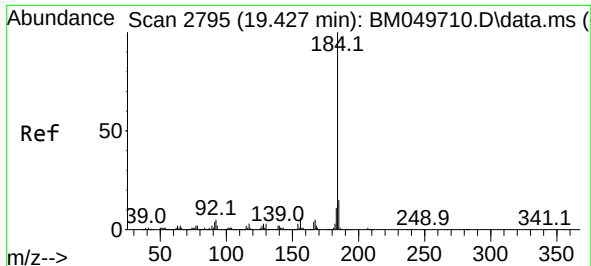
Tgt Ion:202 Resp: 4991069  
Ion Ratio Lower Upper  
202 100  
101 8.0 0.0 27.8  
203 17.8 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.409 min Scan# 3132  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:240 Resp: 1410805  
Ion Ratio Lower Upper  
240 100  
120 8.1 6.5 9.7  
236 25.6 20.7 31.1

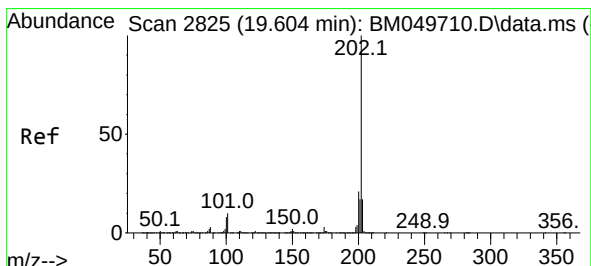
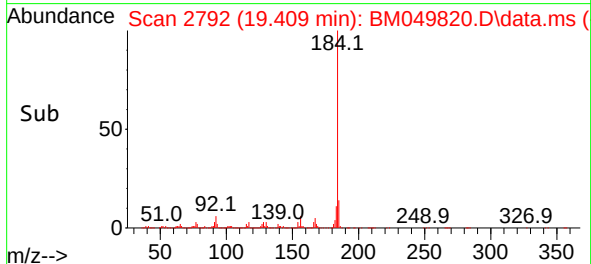
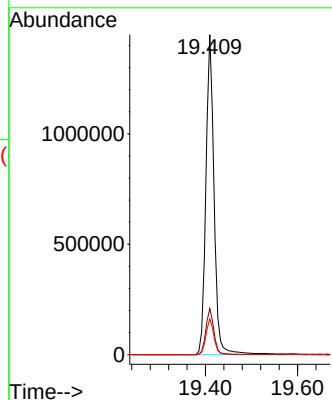
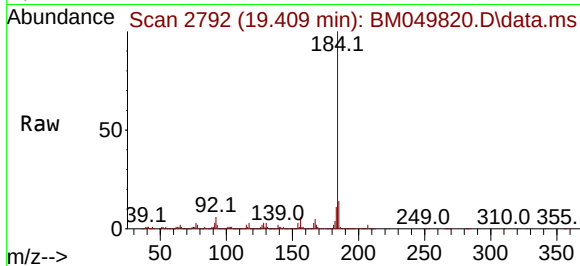




#77  
Benzidine  
Concen: 106.735 ng  
RT: 19.409 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

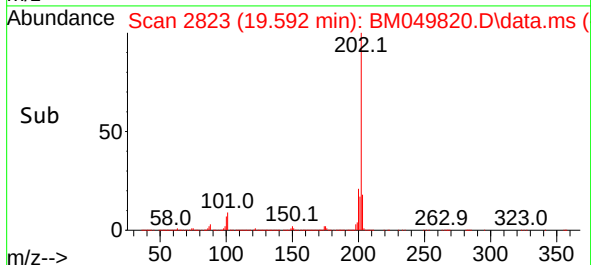
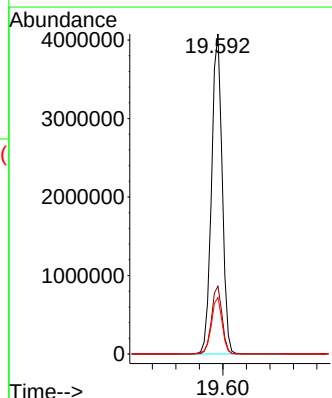
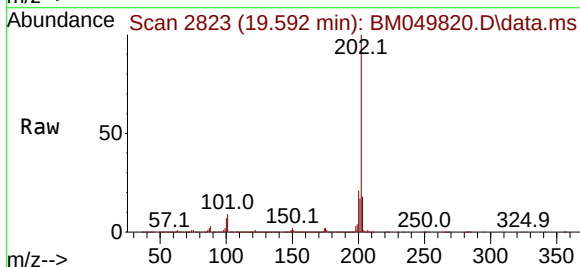
Instrument :  
BNA\_M  
ClientSampleId :  
PB167428BS

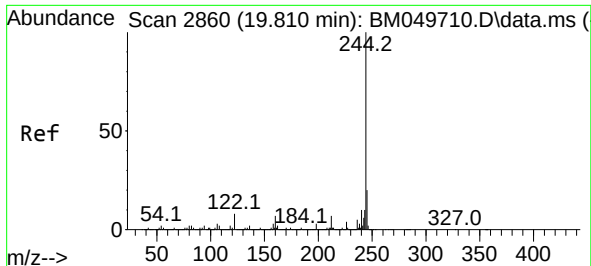
Tgt Ion:184 Resp: 1809102  
Ion Ratio Lower Upper  
184 100  
185 14.4 11.7 17.5  
183 11.2 8.8 13.2



#78  
Pyrene  
Concen: 52.006 ng  
RT: 19.592 min Scan# 2823  
Delta R.T. -0.012 min  
Lab File: BM049820.D  
Acq: 04 Apr 2025 12:35

Tgt Ion:202 Resp: 5126111  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.0 25.4  
203 17.6 14.0 21.0

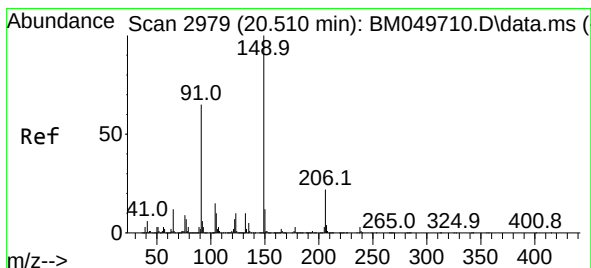
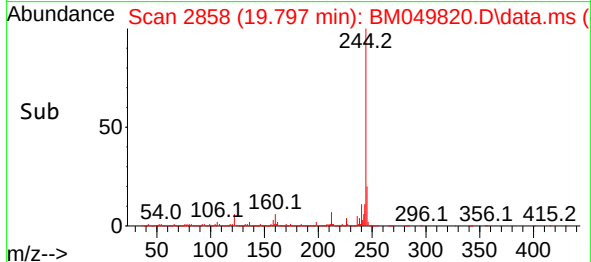
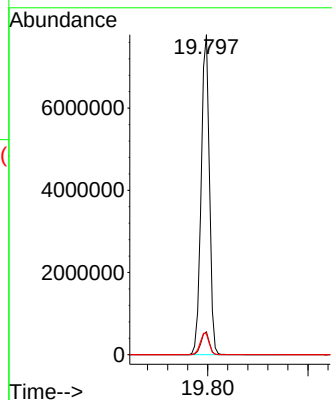
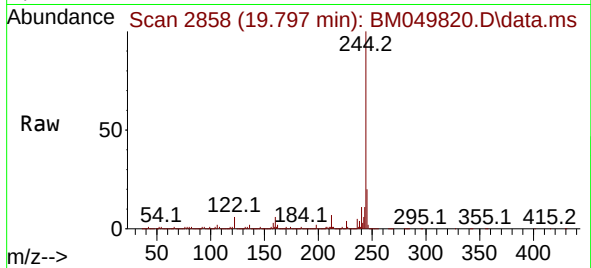




#79  
 Terphenyl-d14  
 Concen: 105.900 ng  
 RT: 19.797 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BM049820.D  
 Acq: 04 Apr 2025 12:35

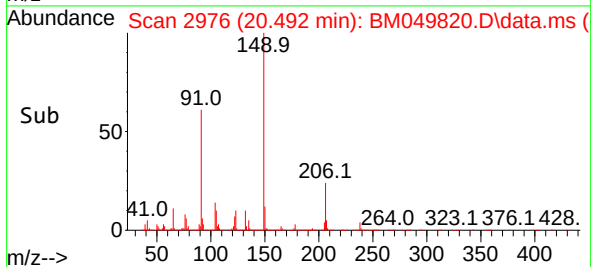
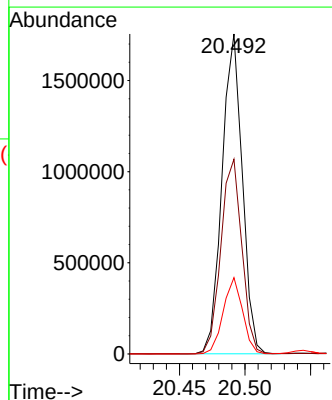
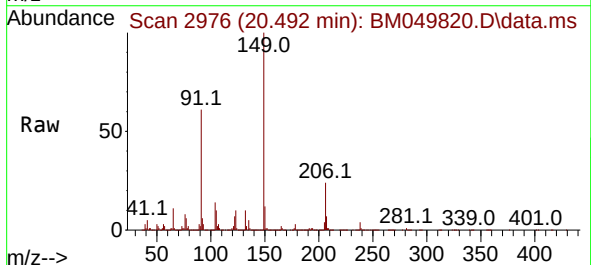
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB167428BS

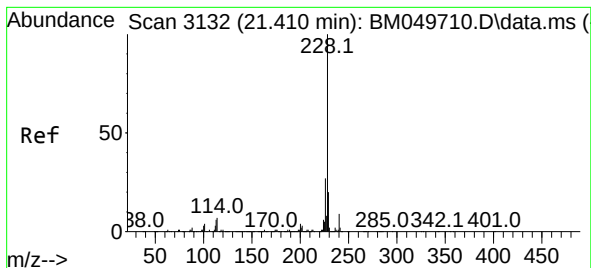
Tgt Ion:244 Resp: 8866065  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.8 8.6  
 122 6.5 6.0 9.0



#80  
 Butylbenzylphthalate  
 Concen: 61.520 ng  
 RT: 20.492 min Scan# 2976  
 Delta R.T. -0.018 min  
 Lab File: BM049820.D  
 Acq: 04 Apr 2025 12:35

Tgt Ion:149 Resp: 1881843  
 Ion Ratio Lower Upper  
 149 100  
 91 60.9 52.2 78.4  
 206 23.8 17.6 26.4





#81

Benzo(a)anthracene

Concen: 51.468 ng

RT: 21.391 min Scan# 3115

Delta R.T. -0.018 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Instrument :

BNA\_M

ClientSampleId :

PB167428BS

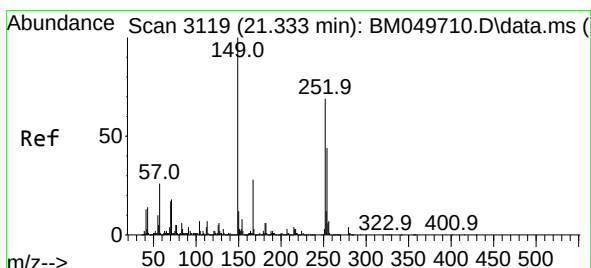
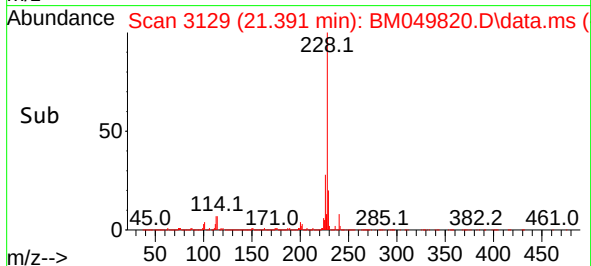
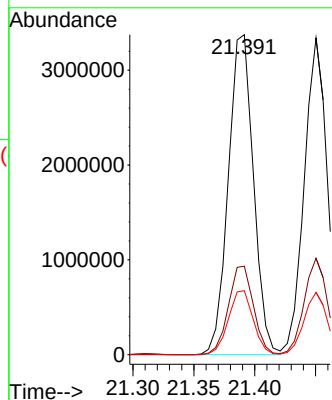
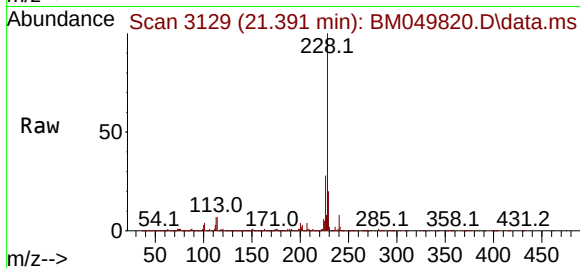
Tgt Ion:228 Resp: 4849951

Ion Ratio Lower Upper

228 100

226 27.6 22.0 33.0

229 20.0 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 29.940 ng

RT: 21.309 min Scan# 3115

Delta R.T. -0.024 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

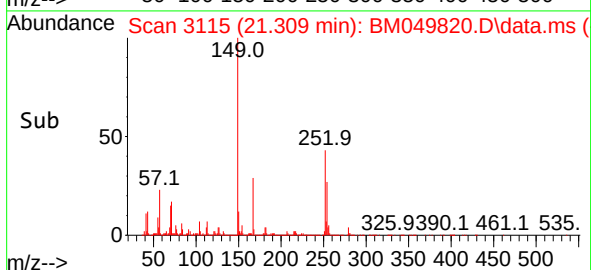
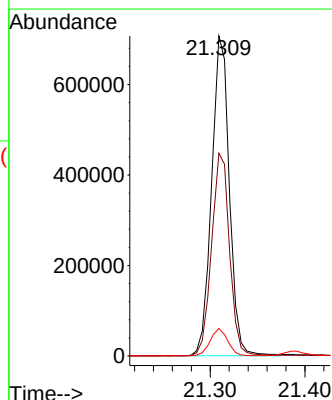
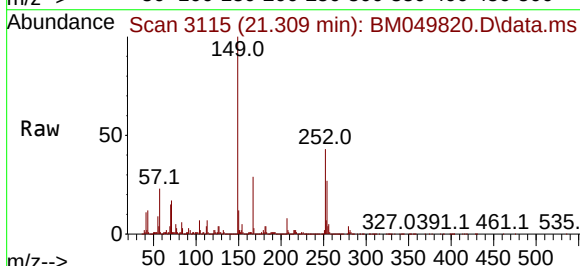
Tgt Ion:252 Resp: 918569

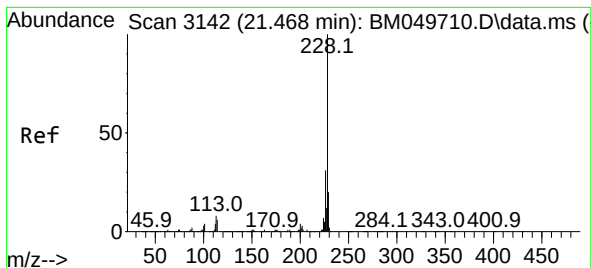
Ion Ratio Lower Upper

252 100

254 63.3 51.0 76.4

126 8.6 6.3 9.5





#83

Chrysene

Concen: 49.550 ng

RT: 21.450 min Scan# 3116

Delta R.T. -0.018 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Instrument :

BNA\_M

ClientSampleId :

PB167428BS

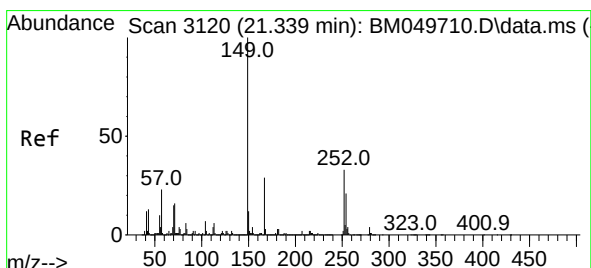
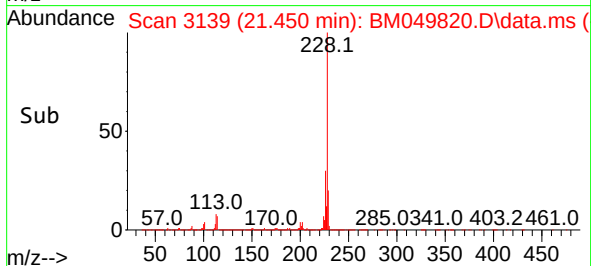
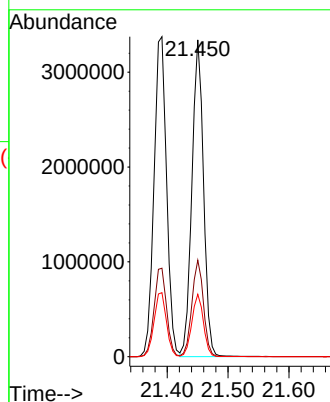
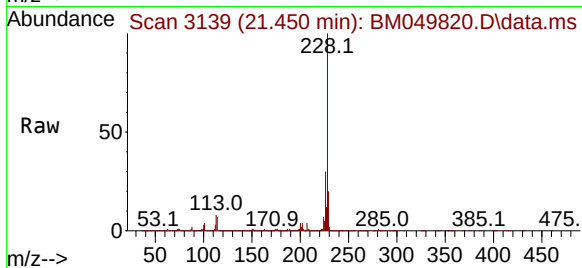
Tgt Ion:228 Resp: 4426143

Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

229 19.7 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 57.951 ng

RT: 21.315 min Scan# 3116

Delta R.T. -0.024 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

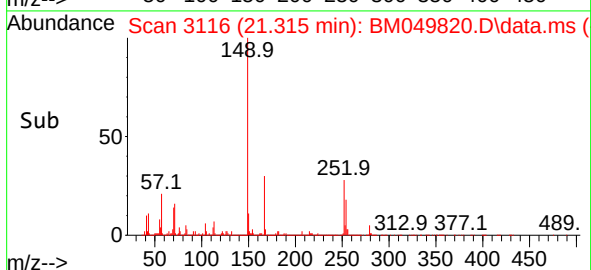
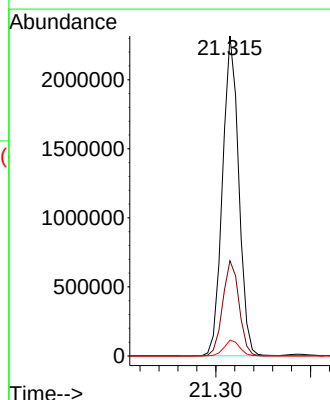
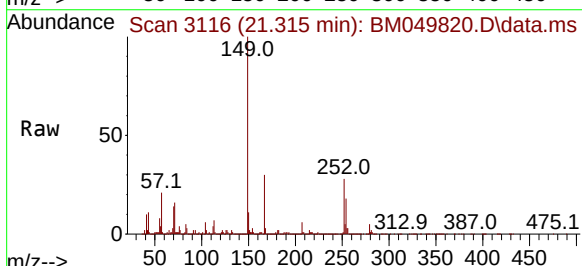
Tgt Ion:149 Resp: 2762639

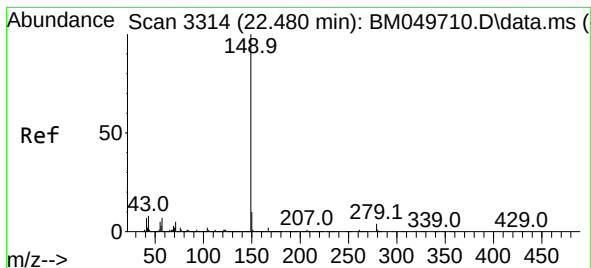
Ion Ratio Lower Upper

149 100

167 29.8 22.9 34.3

279 4.9 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 61.420 ng

RT: 22.450 min Scan# 31

Delta R.T. -0.030 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Instrument :

BNA\_M

ClientSampleId :

PB167428BS

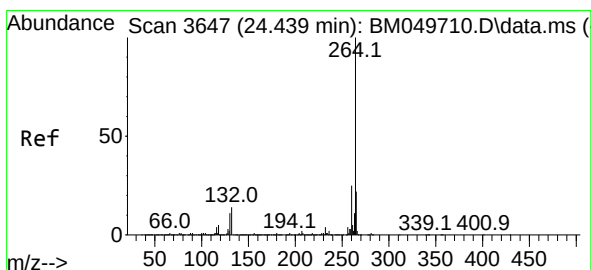
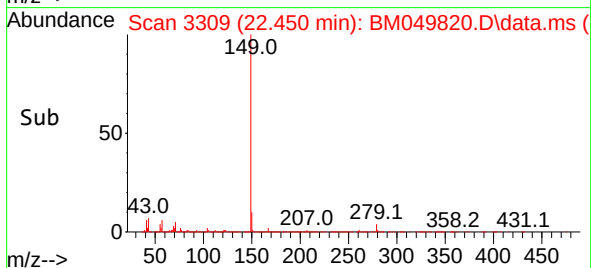
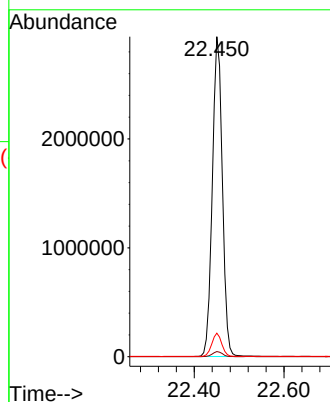
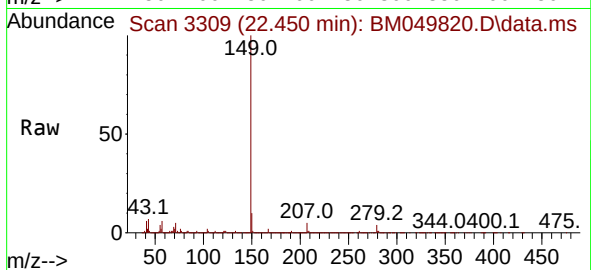
Tgt Ion:149 Resp: 4550916

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 7.2 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.409 min Scan# 3642

Delta R.T. -0.030 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

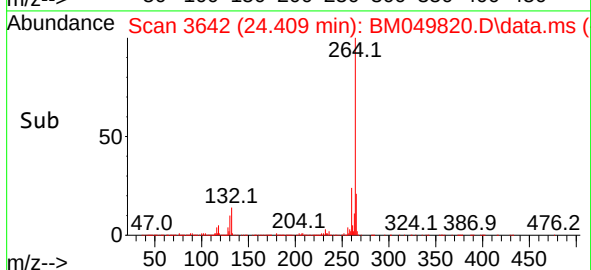
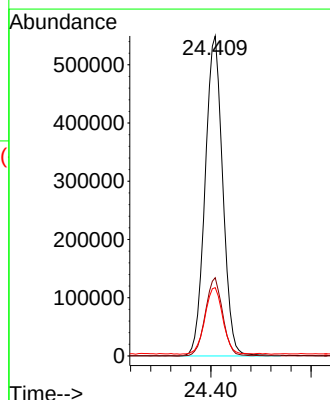
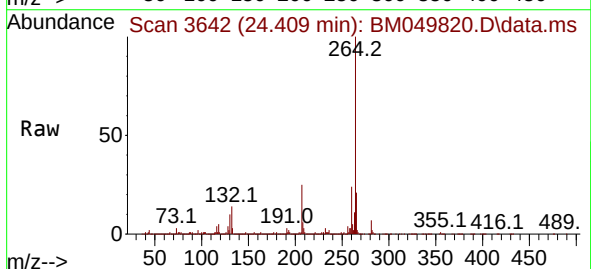
Tgt Ion:264 Resp: 1340554

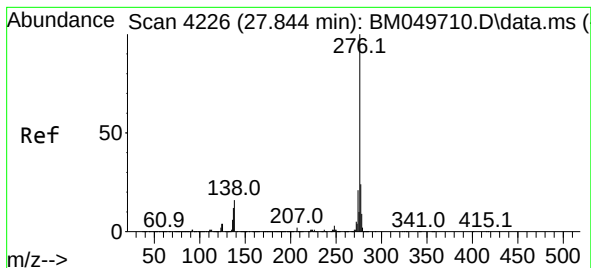
Ion Ratio Lower Upper

264 100

260 24.5 19.6 29.4

265 21.3 18.2 27.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.902 ng

RT: 27.797 min Scan# 41

Delta R.T. -0.048 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Instrument :

BNA\_M

ClientSampleId :

PB167428BS

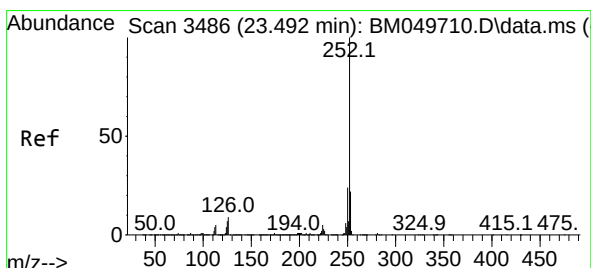
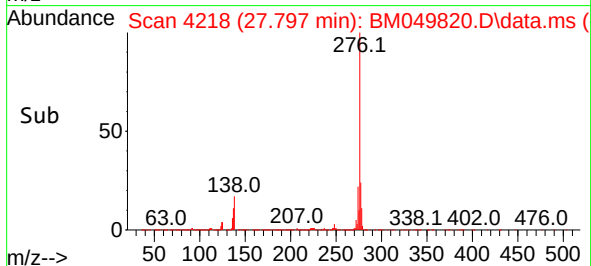
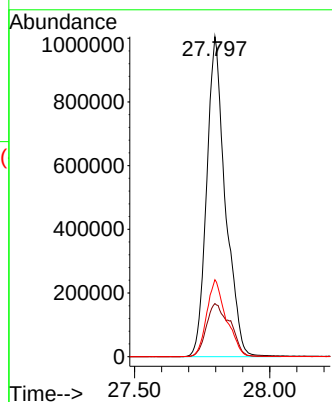
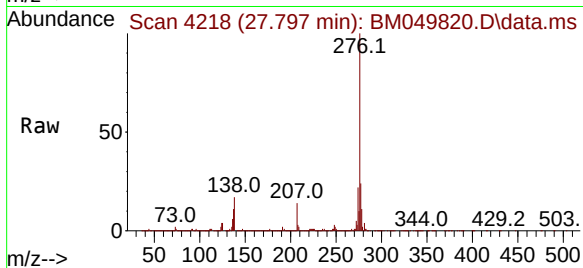
Tgt Ion:276 Resp: 4814935

Ion Ratio Lower Upper

276 100

138 21.1 16.3 24.5

277 25.2 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 47.641 ng

RT: 23.462 min Scan# 3481

Delta R.T. -0.030 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

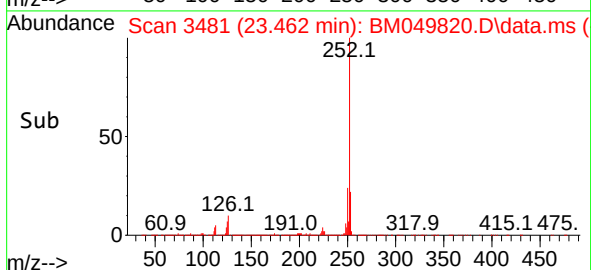
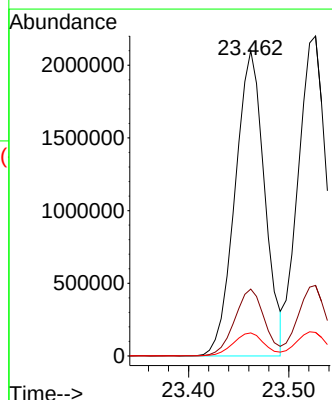
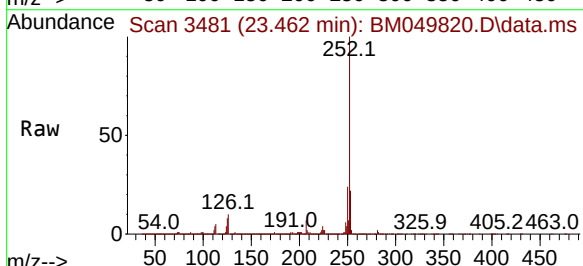
Tgt Ion:252 Resp: 4301582

Ion Ratio Lower Upper

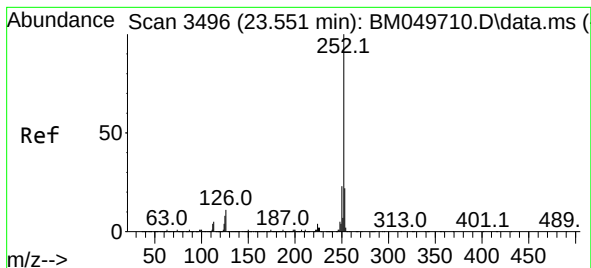
252 100

253 21.9 17.4 26.0

125 7.5 5.9 8.9







#89

Benzo(k)fluoranthene

Concen: 49.168 ng

RT: 23.527 min Scan# 34

Delta R.T. -0.024 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Instrument :

BNA\_M

ClientSampleId :

PB167428BS

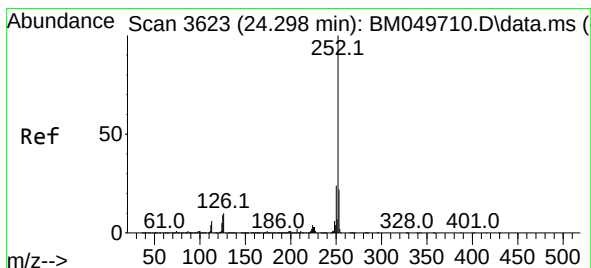
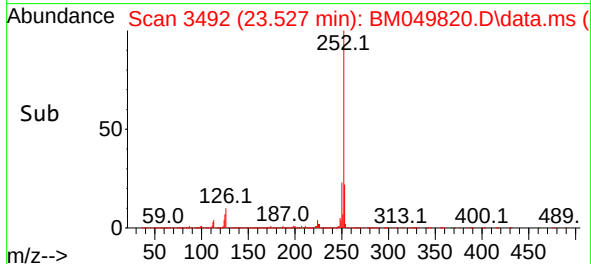
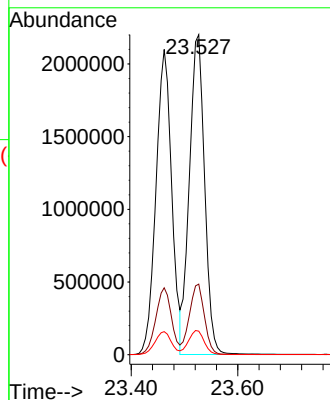
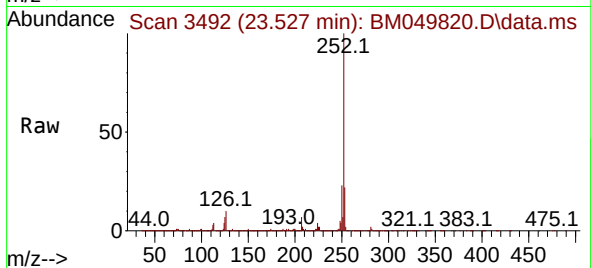
Tgt Ion:252 Resp: 4368381

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 7.3 6.2 9.2



#90

Benzo(a)pyrene

Concen: 53.967 ng

RT: 24.268 min Scan# 3618

Delta R.T. -0.030 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

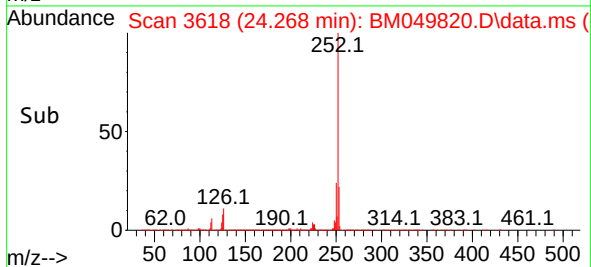
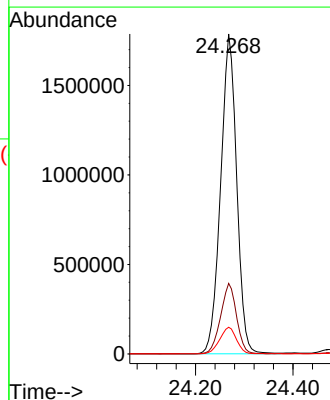
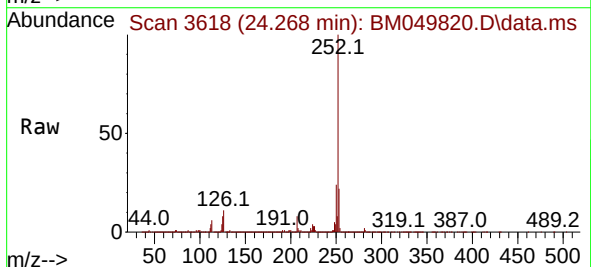
Tgt Ion:252 Resp: 4092949

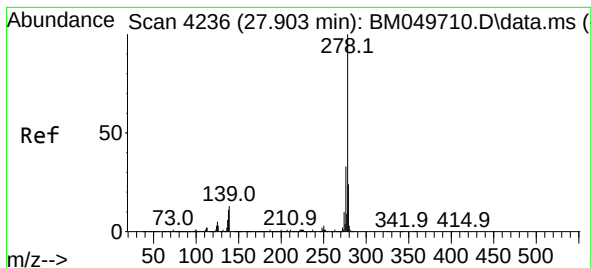
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 8.4 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 49.216 ng

RT: 27.856 min Scan# 41

Delta R.T. -0.048 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Instrument :

BNA\_M

ClientSampleId :

PB167428BS

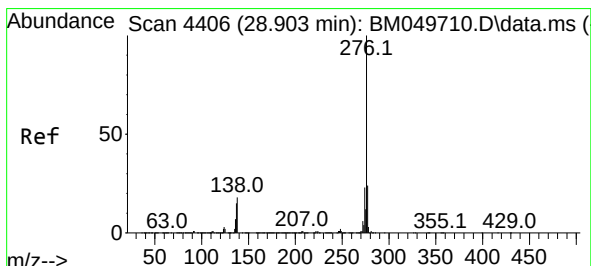
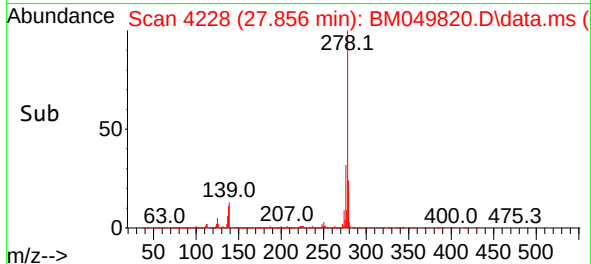
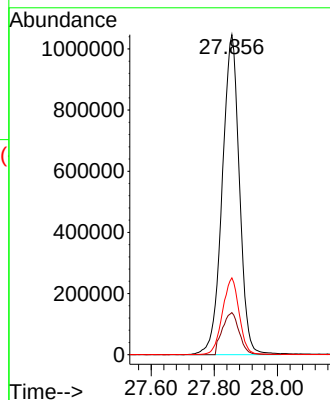
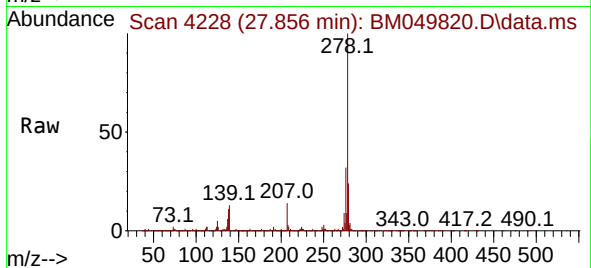
Tgt Ion:278 Resp: 3956444

Ion Ratio Lower Upper

278 100

139 13.2 10.1 15.1

279 24.0 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 46.401 ng

RT: 28.856 min Scan# 4398

Delta R.T. -0.048 min

Lab File: BM049820.D

Acq: 04 Apr 2025 12:35

Tgt Ion:276 Resp: 3757239

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 18.0 14.0 21.0

