

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032923\  
 Data File : BM032923.D  
 Acq On : 29 Mar 2023 22:09  
 Operator : CG/JU  
 Sample : PB151721BS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151721BS

Quant Time: Mar 30 05:56:38 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM032923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 30 05:15:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.928  | 152  | 208571   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.739 | 136  | 780737   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.574 | 164  | 433370   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.321 | 188  | 841221   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.503 | 240  | 642581   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.915 | 264  | 638215   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 1892020  | 136.669 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.098  | 99   | 2385853  | 133.244 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.098  | 82   | 1431037  | 89.085  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.063 | 330  | 725009   | 131.791 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.198 | 172  | 2903029  | 90.762  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.939 | 244  | 3497856  | 100.571 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.352  | 88   | 288772   | 51.032  | ng    | 100      |
| 3) Pyridine                   | 3.758  | 79   | 726754   | 45.845  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.669  | 42   | 331419   | 53.233  | ng    | 98       |
| 6) Aniline                    | 7.251  | 93   | 1025833  | 46.289  | ng    | 100      |
| 8) 2-Chlorophenol             | 7.493  | 128  | 798670   | 56.366  | ng    | 99       |
| 9) Benzaldehyde               | 7.063  | 77   | 503712   | 49.397  | ng    | 99       |
| 10) Phenol                    | 7.122  | 94   | 1012423  | 56.421  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.351  | 93   | 793397   | 54.961  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.816  | 146  | 855786   | 56.951  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.963  | 146  | 872210   | 57.404  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.281  | 146  | 829178   | 57.071  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.175  | 79   | 670435   | 54.437  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 8.457  | 45   | 1024358  | 55.478  | ng    | 99       |
| 17) 2-Methylphenol            | 8.375  | 107  | 655926   | 52.247  | ng    | 100      |
| 18) Hexachloroethane          | 9.010  | 117  | 338291   | 57.558  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.745  | 70   | 590347   | 51.576  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.710  | 107  | 882461   | 52.309  | ng    | 100      |
| 22) Acetophenone              | 8.757  | 105  | 1182930  | 56.668  | ng    | # 99     |
| 24) Nitrobenzene              | 9.140  | 77   | 878438   | 54.978  | ng    | 100      |
| 25) Isophorone                | 9.669  | 82   | 1598106  | 53.327  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.851  | 139  | 422394   | 57.188  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.916  | 122  | 719364   | 58.619  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.151 | 93   | 1010078  | 55.680  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.387 | 162  | 695692   | 58.103  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.598 | 180  | 738248   | 57.632  | ng    | 99       |
| 31) Naphthalene               | 10.787 | 128  | 2314168  | 55.009  | ng    | 99       |
| 32) Benzoic acid              | 10.069 | 122  | 508722   | 53.187  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.904 | 127  | 364776   | 19.792  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.069 | 225  | 427867   | 56.805  | ng    | 98       |
| 35) Caprolactam               | 11.698 | 113  | 216202   | 52.004  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 12.033 | 107  | 730917   | 55.328  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.398 | 142  | 1541766  | 52.645  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.616 | 142  | 1436388  | 52.380  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.769 | 216  | 774856   | 58.725  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.745 | 237  | 1118779  | 155.206 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.010 | 196  | 523706   | 58.199  | ng    | 99       |

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 Sample : PB151721BS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

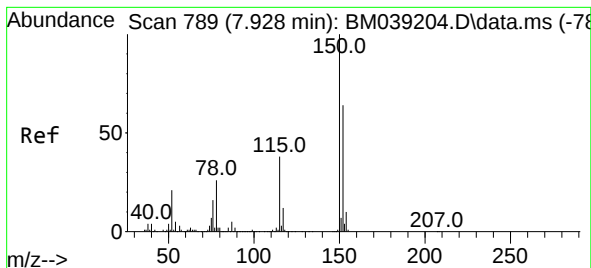
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151721BS

Quant Time: Mar 30 05:56:38 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM032923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 30 05:15:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.080 | 196  | 564068   | 53.471  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.410 | 154  | 1972485  | 57.638  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.451 | 162  | 1503496  | 58.023  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.657 | 65   | 469835   | 53.881  | ng    | 99       |
| 49) Acenaphthylene            | 14.298 | 152  | 2352756  | 55.245  | ng    | 100      |
| 50) Dimethylphthalate         | 14.033 | 163  | 1780970  | 53.325  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.151 | 165  | 393599   | 54.802  | ng    | 96       |
| 52) Acenaphthene              | 14.639 | 154  | 1390346  | 55.288  | ng    | 100      |
| 53) 3-Nitroaniline            | 14.486 | 138  | 250809   | 30.207  | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 14.692 | 184  | 501477   | 117.901 | ng    | 99       |
| 55) Dibenzofuran              | 14.974 | 168  | 2191702  | 54.135  | ng    | 100      |
| 56) 4-Nitrophenol             | 14.798 | 139  | 734493   | 114.718 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 14.939 | 165  | 523737   | 53.906  | ng    | 92       |
| 58) Fluorene                  | 15.621 | 166  | 1732652  | 54.046  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.198 | 232  | 467353   | 55.689  | ng    | 100      |
| 60) Diethylphthalate          | 15.392 | 149  | 1770337  | 52.663  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.616 | 204  | 856267   | 53.893  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.645 | 138  | 420893   | 49.398  | ng    | 98       |
| 63) Azobenzene                | 15.910 | 77   | 1840738  | 54.654  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.704 | 198  | 308460   | 55.737  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.833 | 169  | 1477764  | 55.747  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.510 | 248  | 503950   | 56.095  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.621 | 284  | 574612   | 58.989  | ng    | 98       |
| 69) Atrazine                  | 16.786 | 200  | 491480   | 58.539  | ng    | 100      |
| 70) Pentachlorophenol         | 16.968 | 266  | 744823   | 106.575 | ng    | 99       |
| 71) Phenanthrene              | 17.363 | 178  | 2538248  | 55.093  | ng    | 99       |
| 72) Anthracene                | 17.451 | 178  | 2607520  | 55.504  | ng    | 99       |
| 73) Carbazole                 | 17.727 | 167  | 2394490  | 54.547  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.286 | 149  | 2936124  | 54.070  | ng    | 100      |
| 75) Fluoranthene              | 19.374 | 202  | 2709269  | 51.587  | ng    | 99       |
| 77) Benzidine                 | 19.562 | 184  | 1585495  | 93.545  | ng    | 100      |
| 78) Pyrene                    | 19.739 | 202  | 2837197  | 62.022  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.633 | 149  | 1204434  | 57.472  | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.486 | 228  | 2508621  | 55.355  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.421 | 252  | 616391   | 40.829  | ng    | 99       |
| 83) Chrysene                  | 21.539 | 228  | 2343943  | 53.577  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.409 | 149  | 1752164  | 56.610  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.339 | 149  | 2951072  | 52.920  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 26.433 | 276  | 2543059  | 54.081  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.180 | 252  | 2353657  | 60.271  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.233 | 252  | 2385061  | 59.960  | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.815 | 252  | 2044100  | 53.284  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.450 | 278  | 2133374  | 54.030  | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 27.203 | 276  | 2050842  | 52.815  | ng    | 100      |

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

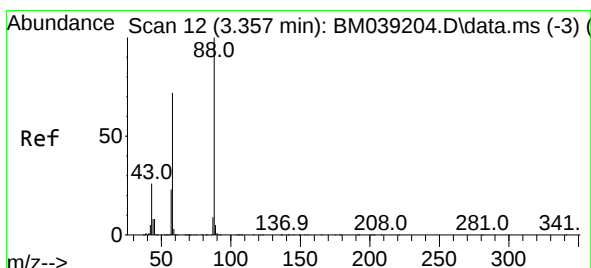
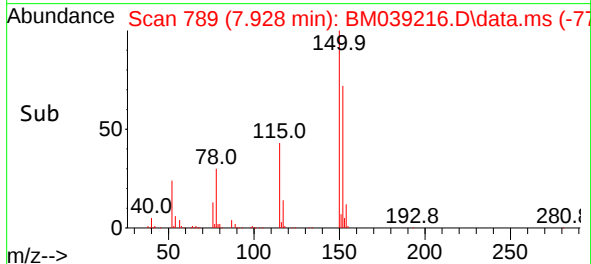
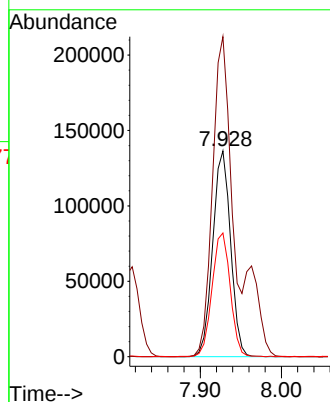
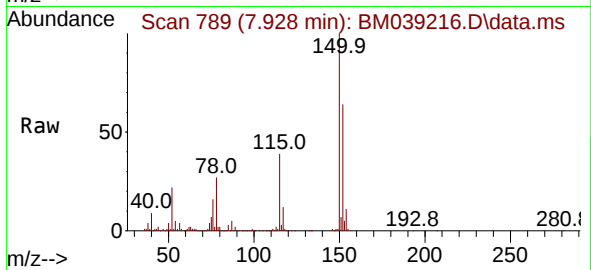




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.928 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

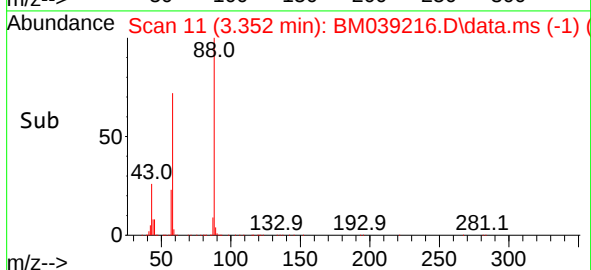
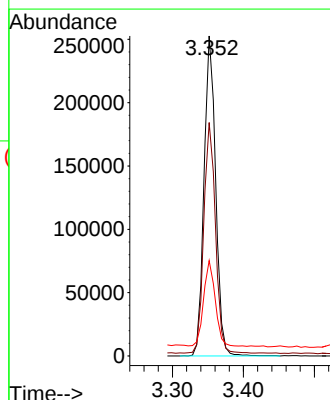
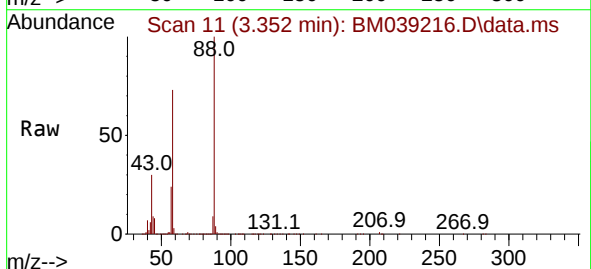
Instrument :  
BNA\_M  
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PB151721BS

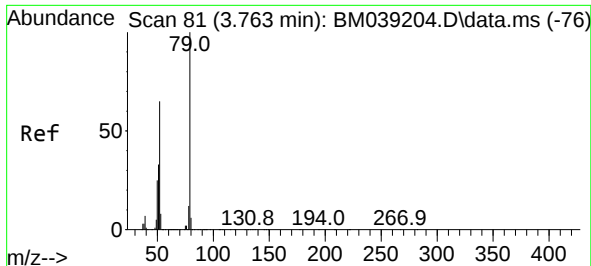
Tgt Ion:152 Resp: 208571  
Ion Ratio Lower Upper  
152 100  
150 155.5 125.5 188.3  
115 60.1 48.1 72.1



#2  
1,4-Dioxane  
Concen: 51.032 ng  
RT: 3.352 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion: 88 Resp: 288772  
Ion Ratio Lower Upper  
88 100  
58 71.9 57.9 86.9  
43 26.9 21.4 32.2



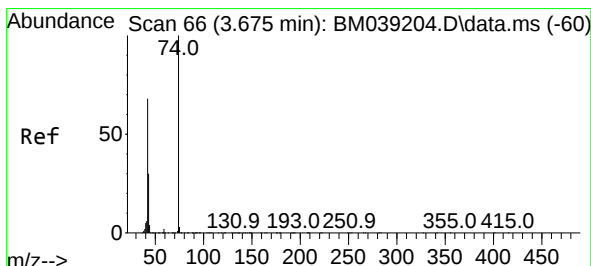
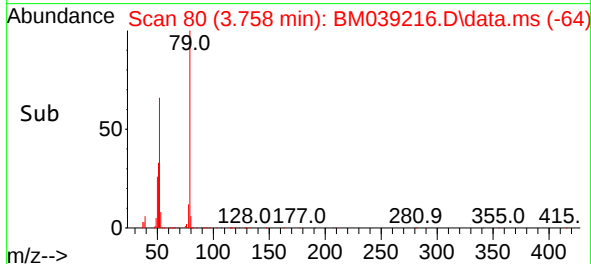
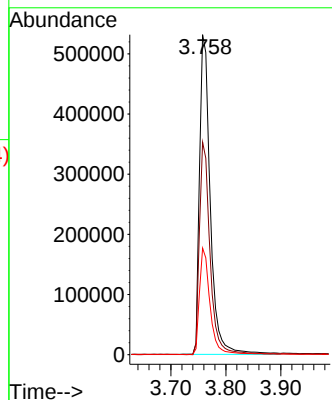
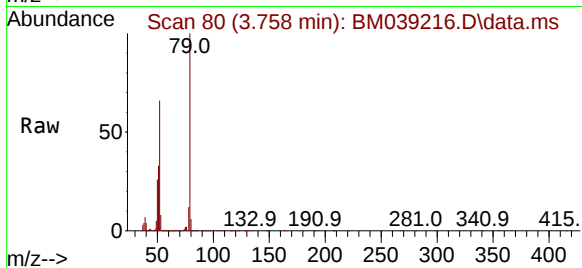


#3  
 Pyridine  
 Concen: 45.845 ng  
 RT: 3.758 min Scan# 80  
 Delta R.T. -0.006 min  
 Lab File: BM039216.D  
 Acq: 29 Mar 2023 22:09

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151721BS

Tgt Ion: 79 Resp: 726754

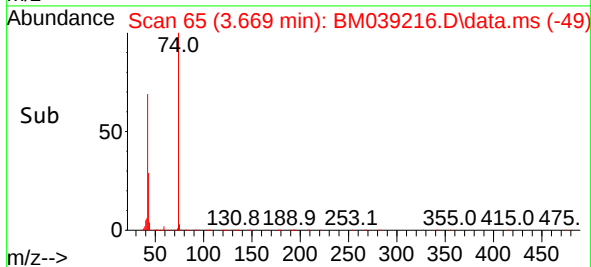
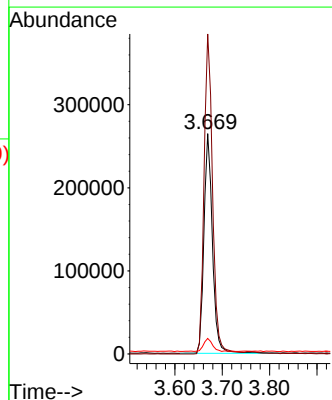
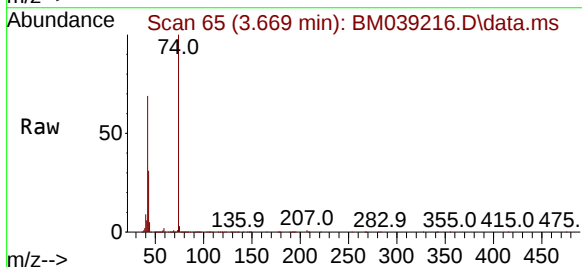
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 66.4  | 52.0  | 78.0  |
| 51  | 33.3  | 26.4  | 39.6  |

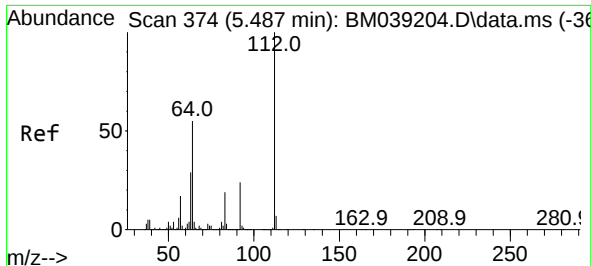


#4  
 n-Nitrosodimethylamine  
 Concen: 53.233 ng  
 RT: 3.669 min Scan# 65  
 Delta R.T. -0.006 min  
 Lab File: BM039216.D  
 Acq: 29 Mar 2023 22:09

Tgt Ion: 42 Resp: 331419

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 145.2 | 118.1 | 177.1 |
| 44  | 7.0   | 6.3   | 9.5   |

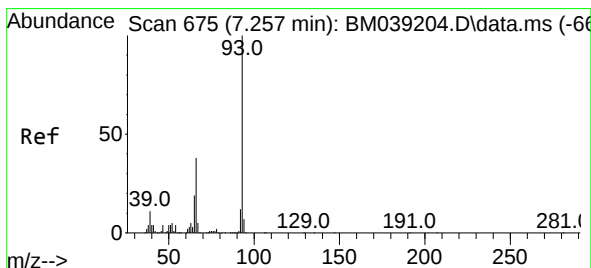
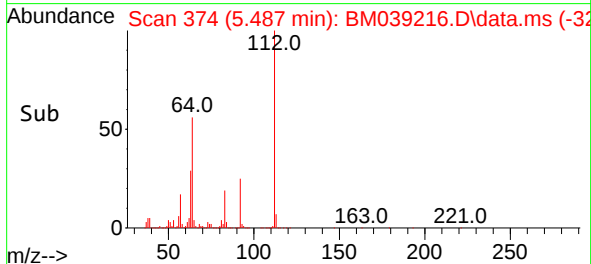
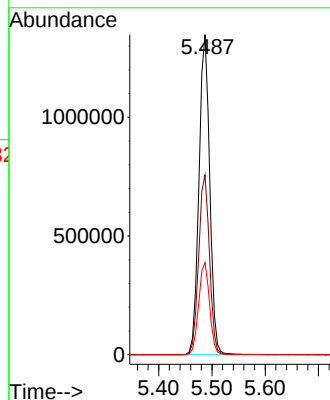
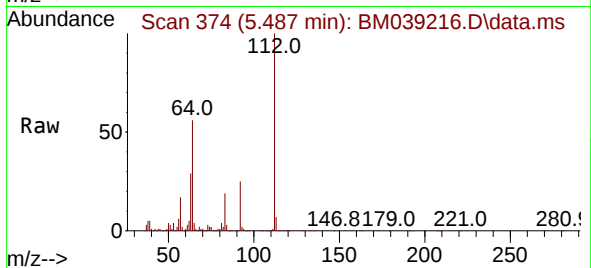




#5  
2-Fluorophenol  
Concen: 136.669 ng  
RT: 5.487 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

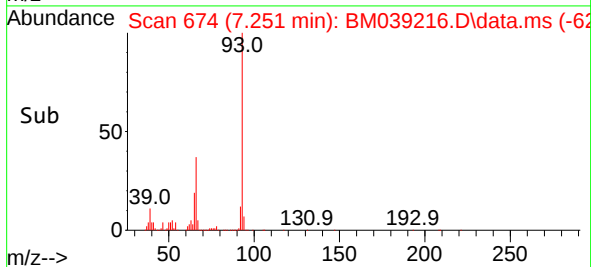
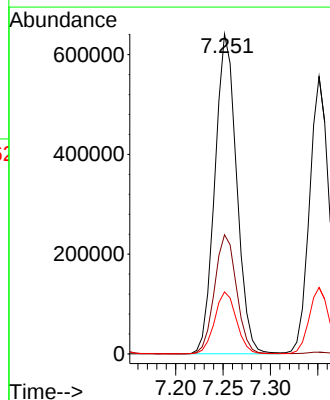
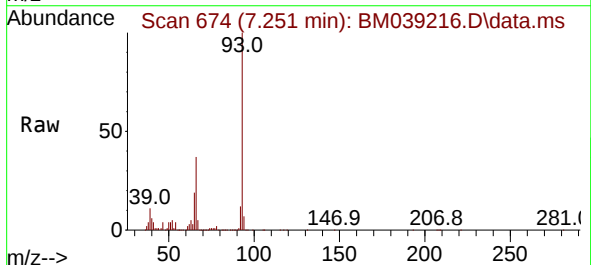
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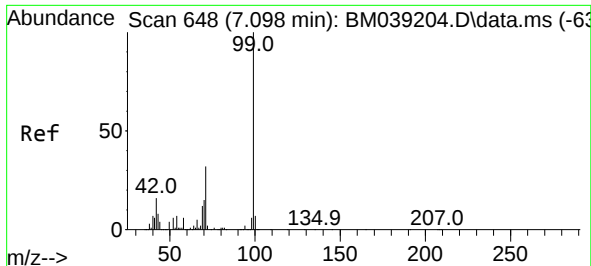
Tgt Ion:112 Resp: 1892020  
Ion Ratio Lower Upper  
112 100  
64 56.1 44.3 66.5  
63 28.8 23.0 34.6



#6  
Aniline  
Concen: 46.289 ng  
RT: 7.251 min Scan# 674  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion: 93 Resp: 1025833  
Ion Ratio Lower Upper  
93 100  
66 37.3 30.1 45.1  
65 19.4 15.5 23.3



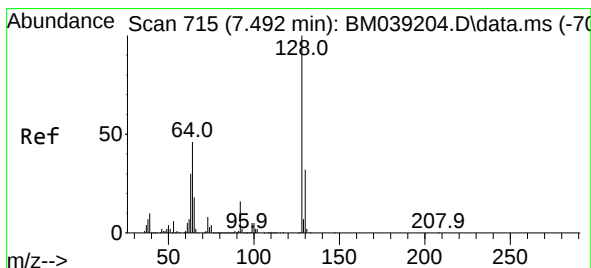
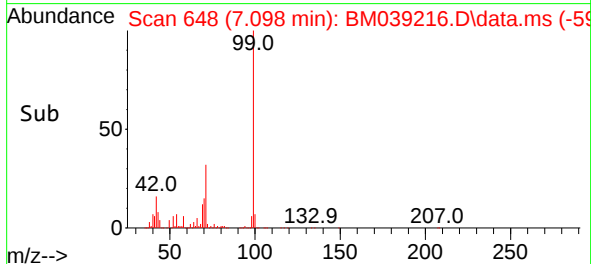
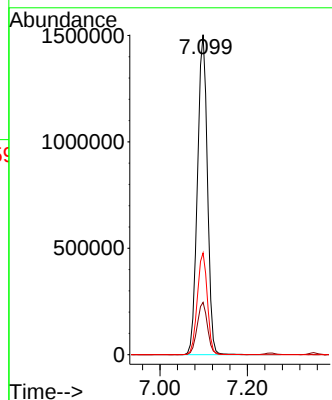
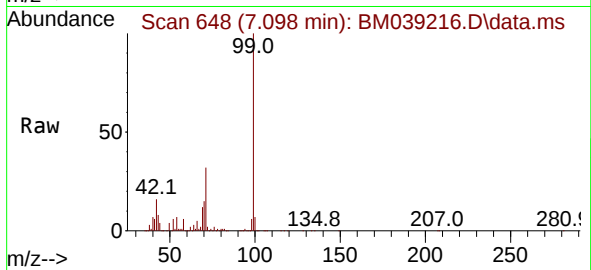


#7  
Phenol-d6  
Concen: 133.244 ng  
RT: 7.098 min Scan# 648  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

Tgt Ion: 99 Resp: 2385853

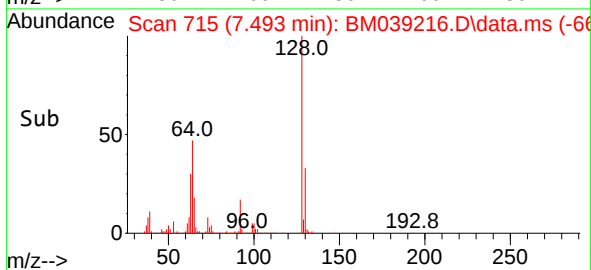
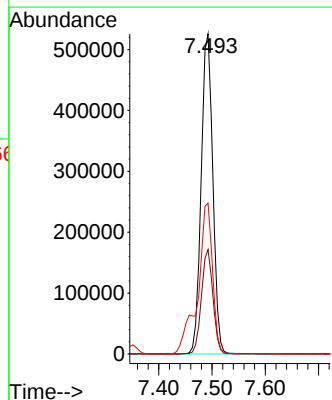
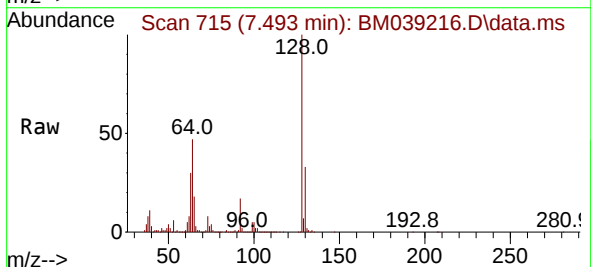
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.3  | 13.0  | 19.6  |
| 71  | 31.8  | 25.5  | 38.3  |

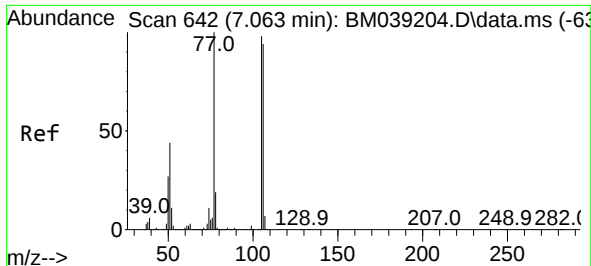


#8  
2-Chlorophenol  
Concen: 56.366 ng  
RT: 7.493 min Scan# 715  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:128 Resp: 798670

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.6  | 12.2  | 52.2  |
| 64  | 47.1  | 25.9  | 65.9  |

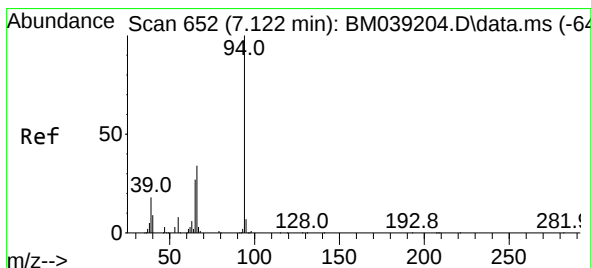
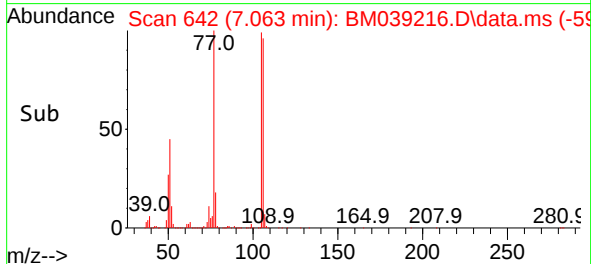
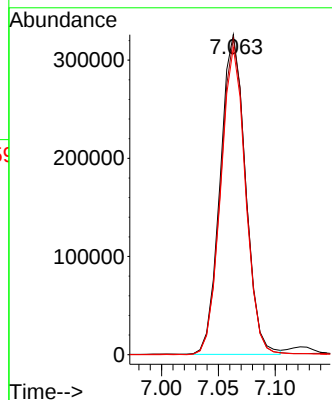
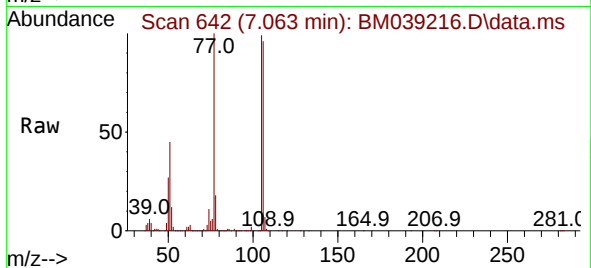




#9  
Benzaldehyde  
Concen: 49.397 ng  
RT: 7.063 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

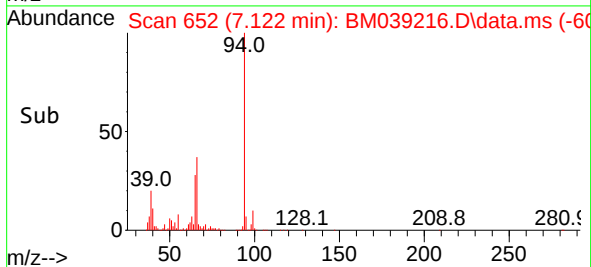
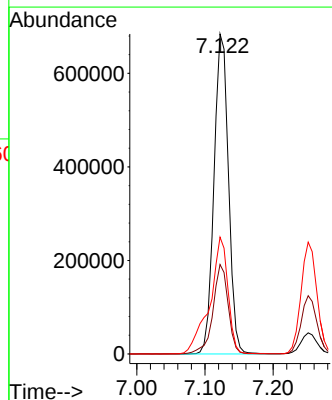
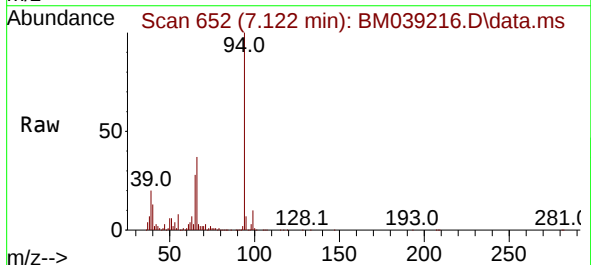
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

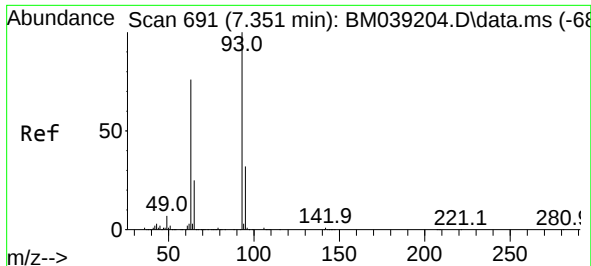
Tgt Ion: 77 Resp: 503712  
Ion Ratio Lower Upper  
77 100  
105 98.9 78.2 118.2  
106 96.0 73.8 113.8



#10  
Phenol  
Concen: 56.421 ng  
RT: 7.122 min Scan# 652  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion: 94 Resp: 1012423  
Ion Ratio Lower Upper  
94 100  
65 27.9 7.2 47.2  
66 36.5 15.2 55.2

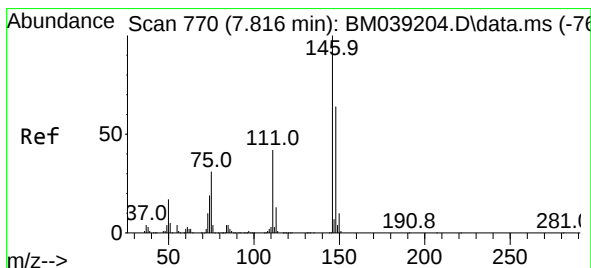
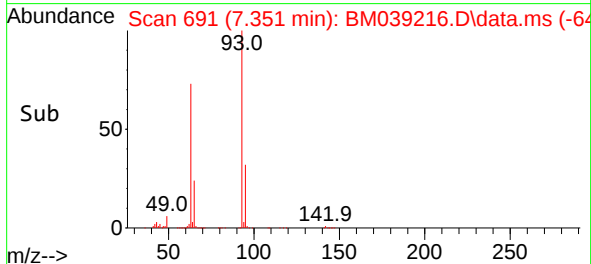
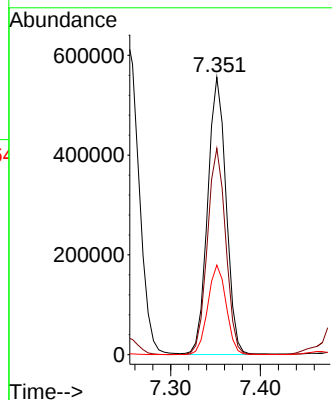
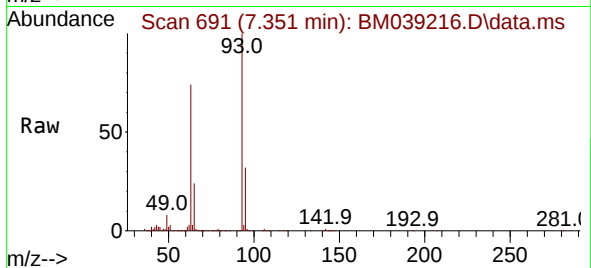




#11  
bis(2-Chloroethyl)ether  
Concen: 54.961 ng  
RT: 7.351 min Scan# 691  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

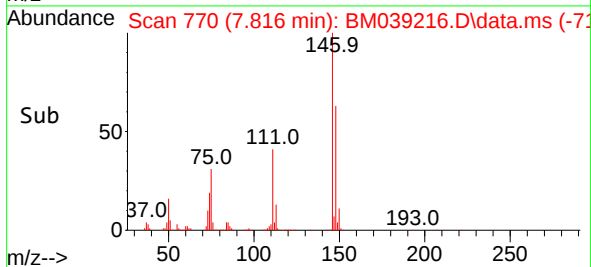
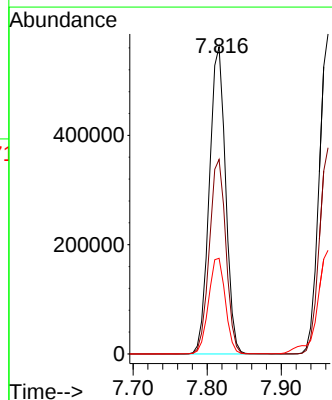
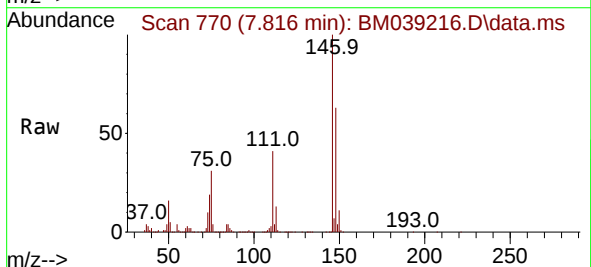
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

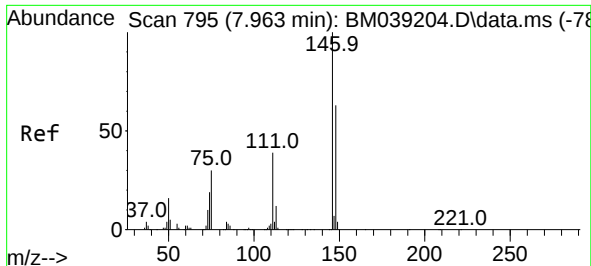
Tgt Ion: 93 Resp: 793397  
Ion Ratio Lower Upper  
93 100  
63 74.3 55.5 95.5  
95 32.3 12.2 52.2



#12  
1,3-Dichlorobenzene  
Concen: 56.951 ng  
RT: 7.816 min Scan# 770  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion: 146 Resp: 855786  
Ion Ratio Lower Upper  
146 100  
148 63.3 51.2 76.8  
75 31.1 25.2 37.8

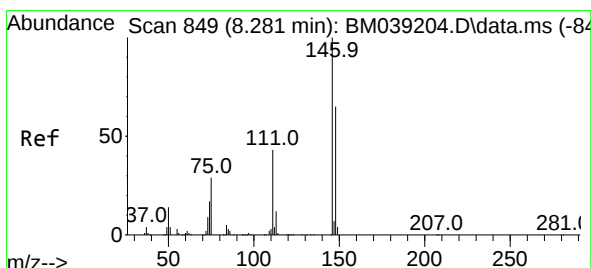
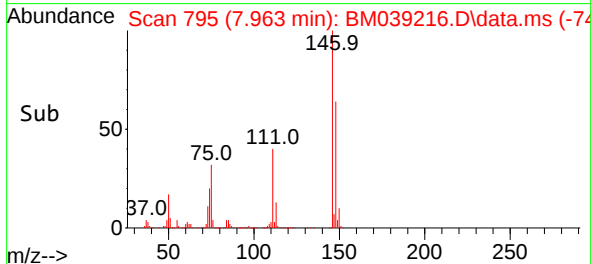
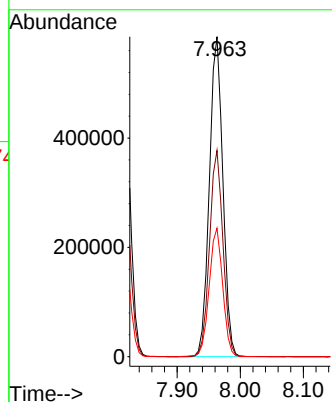
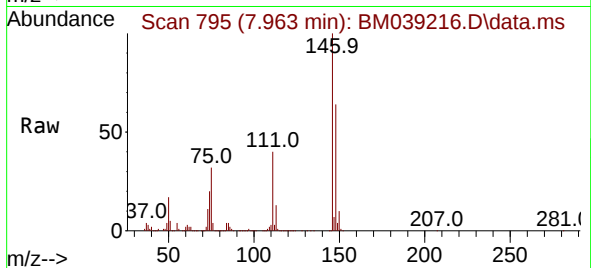




#13  
1,4-Dichlorobenzene  
Concen: 57.404 ng  
RT: 7.963 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

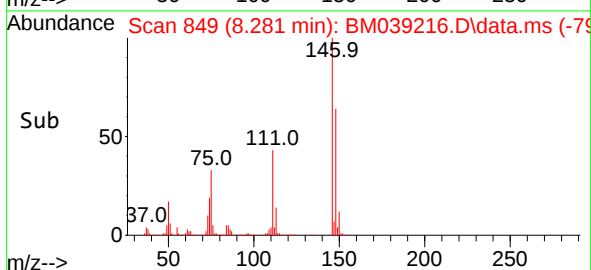
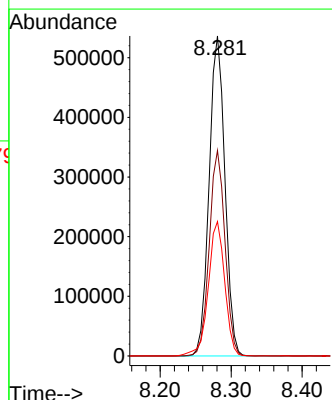
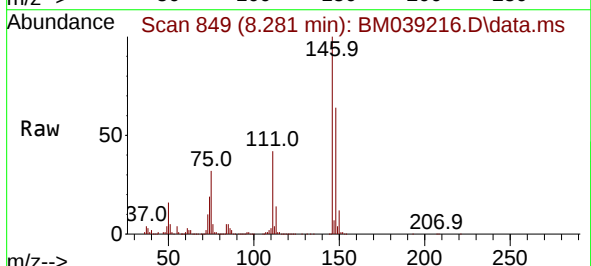
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

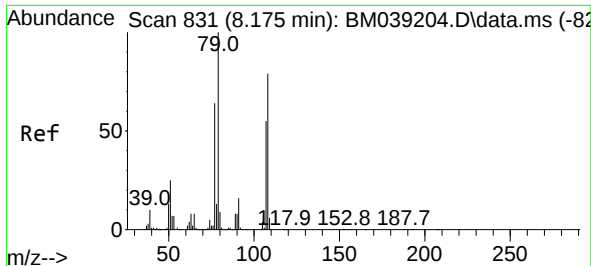
Tgt Ion:146 Resp: 872210  
Ion Ratio Lower Upper  
146 100  
148 64.4 50.8 76.2  
111 40.2 31.5 47.3



#14  
1,2-Dichlorobenzene  
Concen: 57.071 ng  
RT: 8.281 min Scan# 849  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:146 Resp: 829178  
Ion Ratio Lower Upper  
146 100  
148 64.2 52.1 78.1  
111 42.0 34.5 51.7

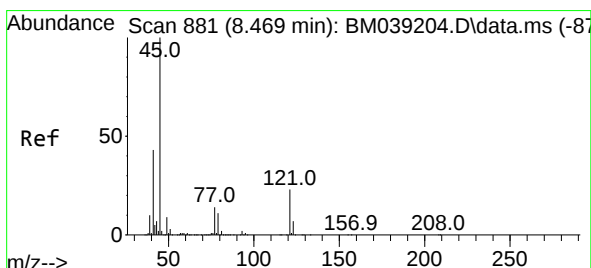
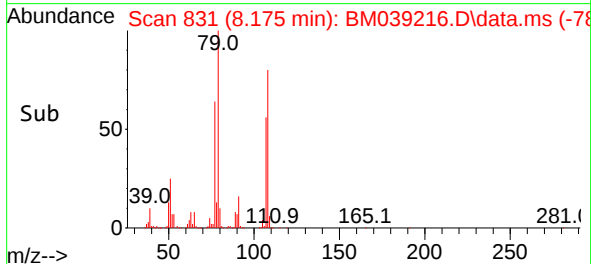
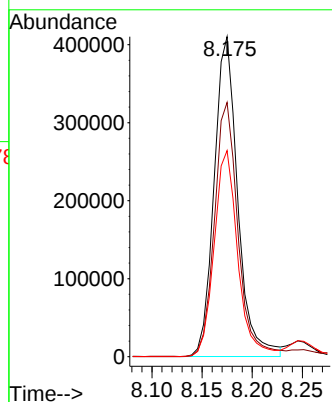
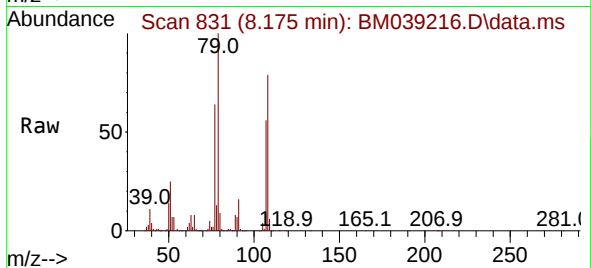




#15  
Benzyl Alcohol  
Concen: 54.437 ng  
RT: 8.175 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

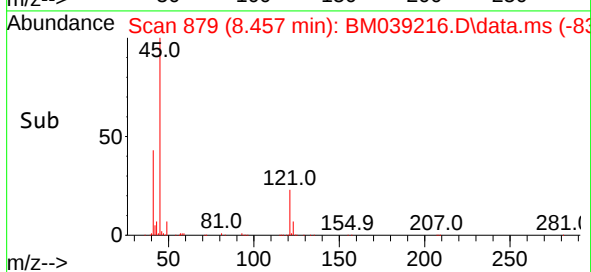
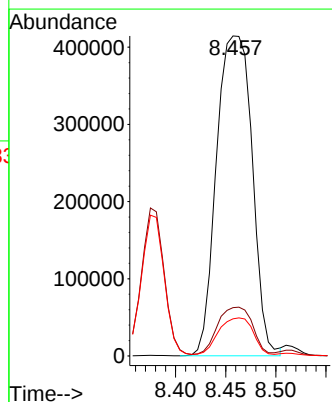
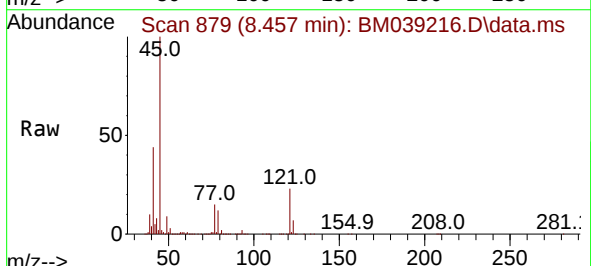
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

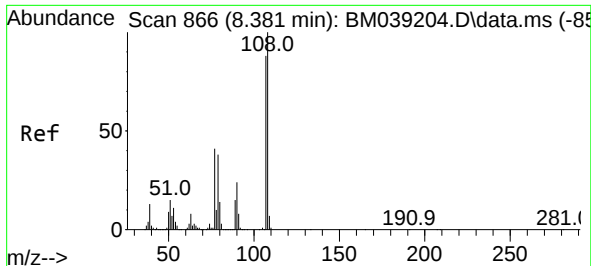
Tgt Ion: 79 Resp: 670435  
Ion Ratio Lower Upper  
79 100  
108 79.5 63.4 95.0  
77 64.4 51.5 77.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 55.478 ng  
RT: 8.457 min Scan# 879  
Delta R.T. -0.012 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion: 45 Resp: 1024358  
Ion Ratio Lower Upper  
45 100  
77 15.1 0.0 35.1  
79 11.6 0.0 32.2

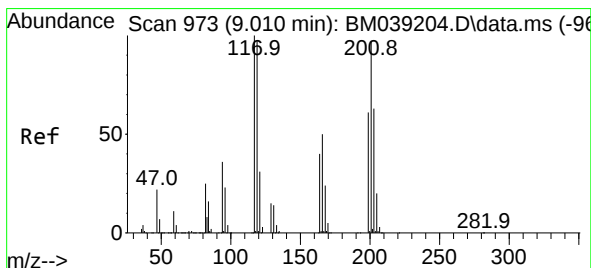
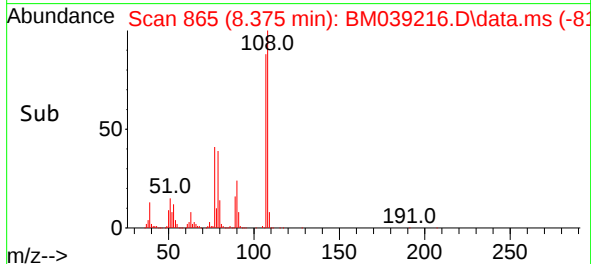
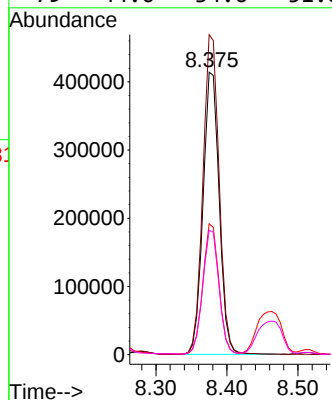
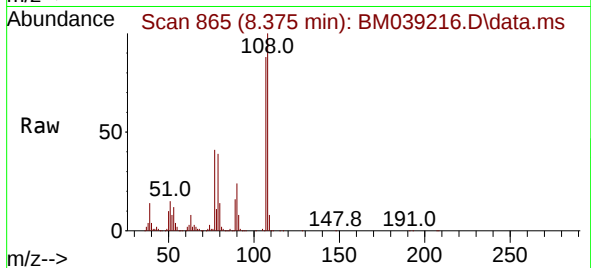




#17  
2-Methylphenol  
Concen: 52.247 ng  
RT: 8.375 min Scan# 866  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

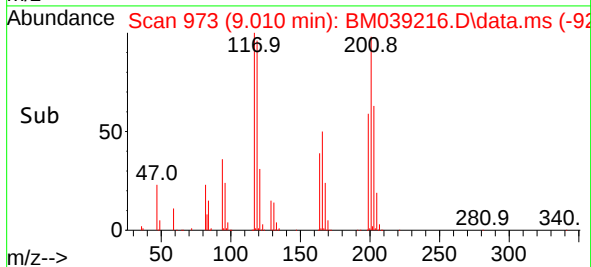
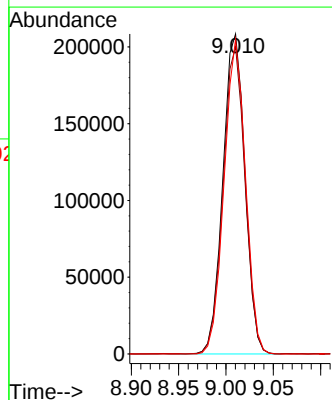
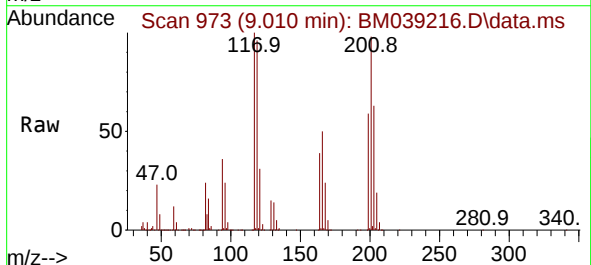
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

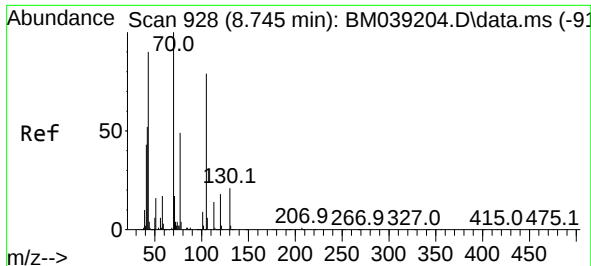
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 655926 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.2 | 90.6  | 136.0  |
| 77       | 46.3  | 37.0  | 55.4   |
| 79       | 44.0  | 34.6  | 51.8   |



#18  
Hexachloroethane  
Concen: 57.558 ng  
RT: 9.010 min Scan# 973  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 338291 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.1  | 77.8  | 116.8  |
| 201      | 98.3  | 77.3  | 115.9  |

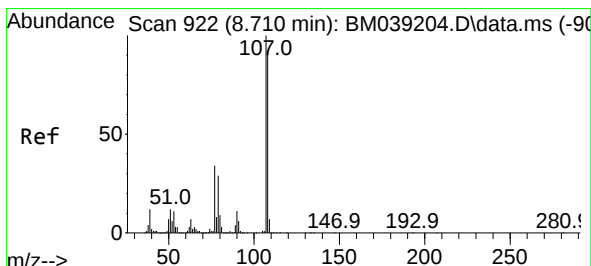
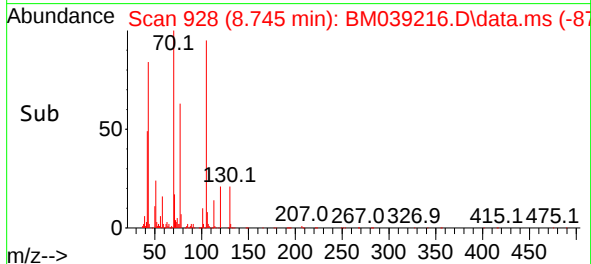
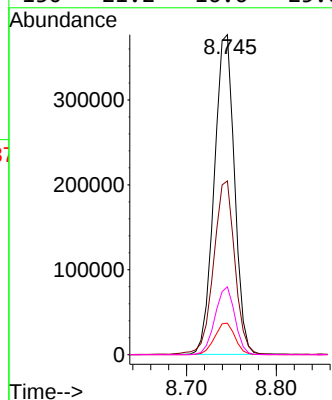
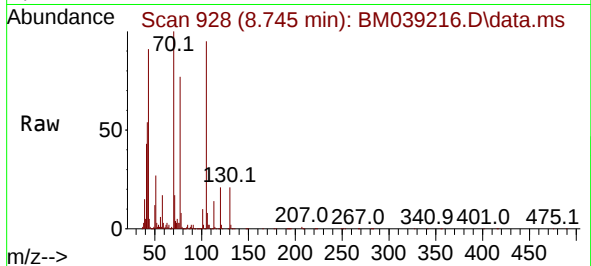




#19  
n-Nitroso-di-n-propylamine  
Concen: 51.576 ng  
RT: 8.745 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

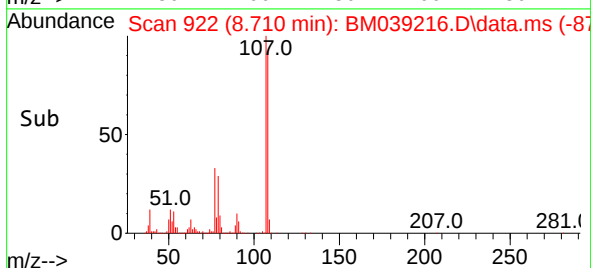
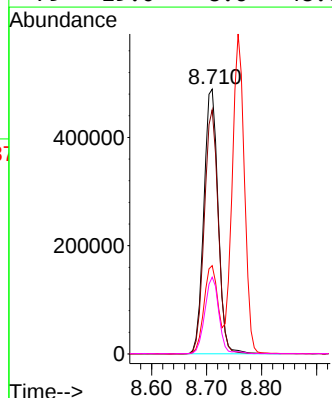
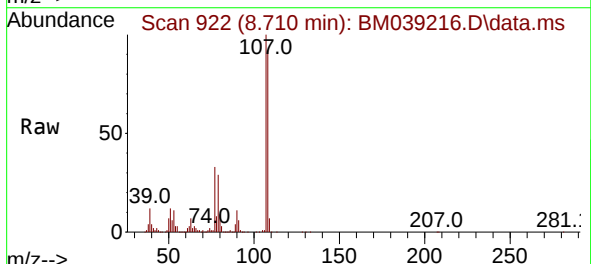
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

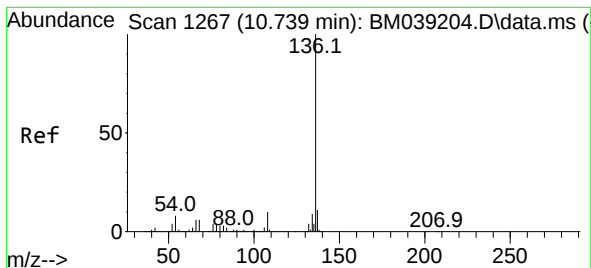
Tgt Ion: 70 Resp: 590347  
Ion Ratio Lower Upper  
70 100  
42 54.3 42.2 63.2  
101 9.9 7.6 11.4  
130 21.2 16.6 25.0



#20  
3+4-Methylphenols  
Concen: 52.309 ng  
RT: 8.710 min Scan# 922  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion: 107 Resp: 882461  
Ion Ratio Lower Upper  
107 100  
108 92.2 72.1 112.1  
77 33.3 13.7 53.7  
79 29.0 8.6 48.6



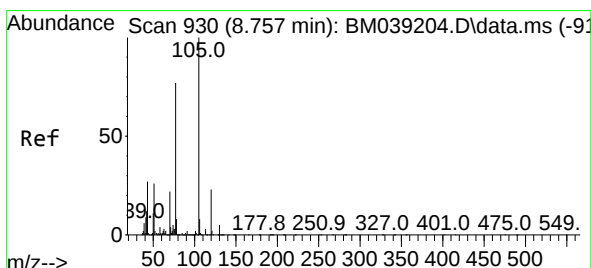
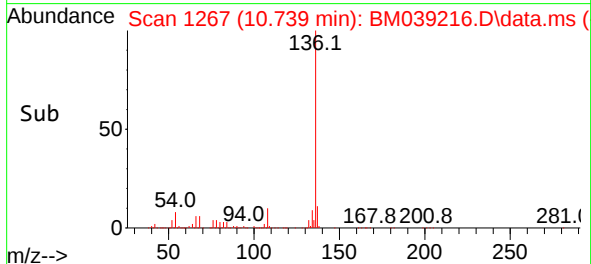
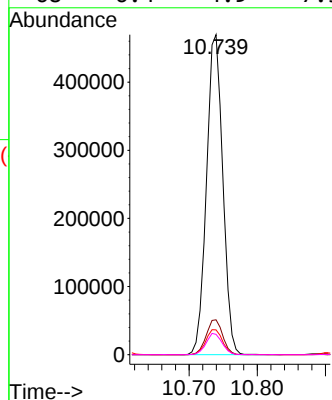
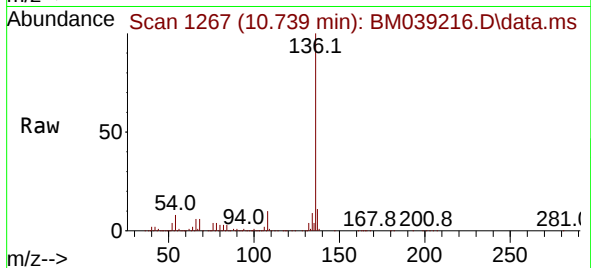


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.739 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

Tgt Ion:136 Resp: 780737

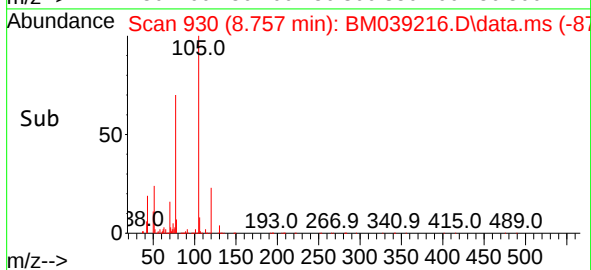
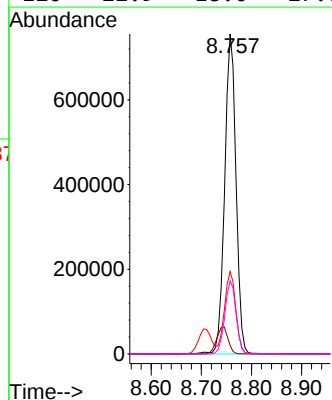
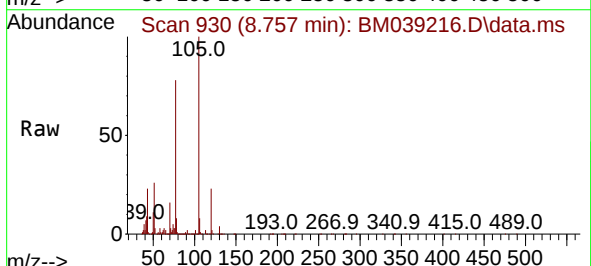
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.9   | 13.3  |
| 54  | 7.8   | 6.2   | 9.4   |
| 68  | 6.4   | 4.9   | 7.3   |

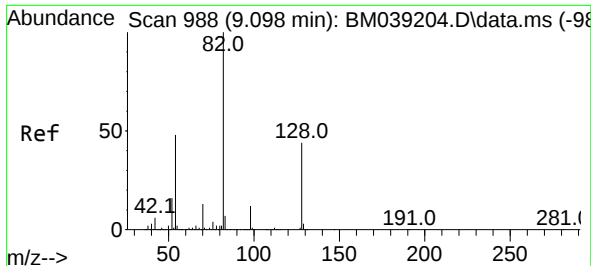


#22  
Acetophenone  
Concen: 56.668 ng  
RT: 8.757 min Scan# 930  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:105 Resp: 1182930

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 2.7   | 2.8   | 4.2#  |
| 51  | 25.8  | 20.6  | 31.0  |
| 120 | 22.9  | 18.0  | 27.0  |



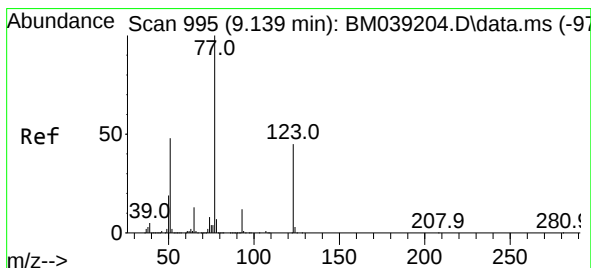
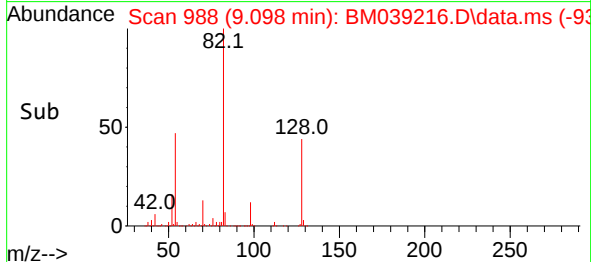
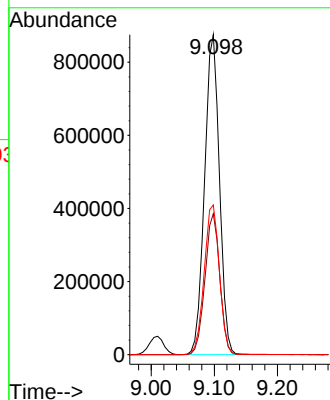
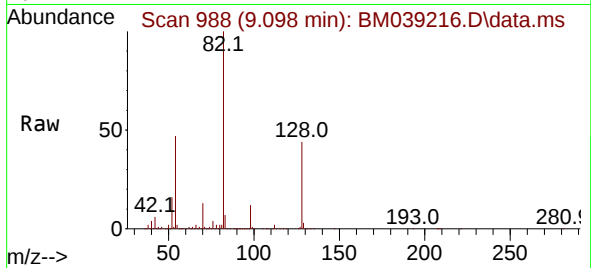


#23  
Nitrobenzene-d5  
Concen: 89.085 ng  
RT: 9.098 min Scan# 910  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

Tgt Ion: 82 Resp: 1431037

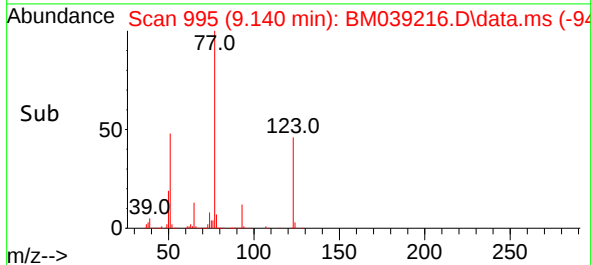
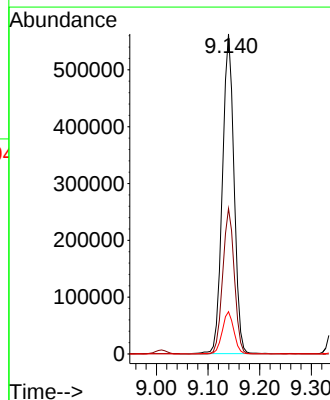
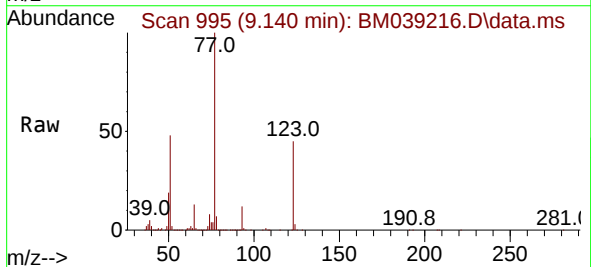
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.0  | 35.1  | 52.7  |
| 54  | 46.8  | 38.5  | 57.7  |

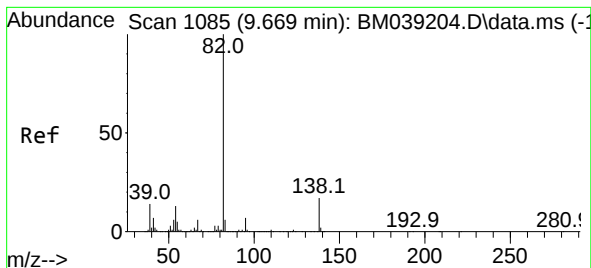


#24  
Nitrobenzene  
Concen: 54.978 ng  
RT: 9.140 min Scan# 995  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion: 77 Resp: 878438

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 45.5  | 36.2  | 54.2  |
| 65  | 13.2  | 10.6  | 15.8  |





#25

Isophorone

Concen: 53.327 ng

RT: 9.669 min Scan# 1085

Delta R.T. 0.000 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

Instrument :

BNA\_M

ClientSampleId :

PB151721BS

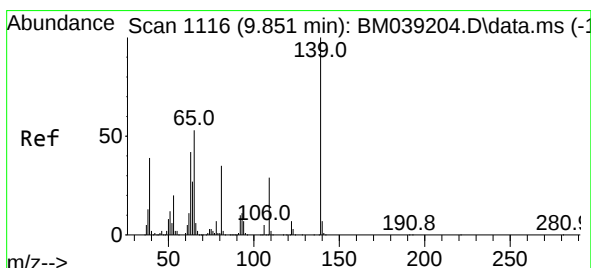
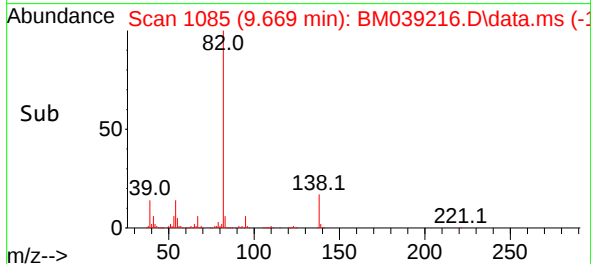
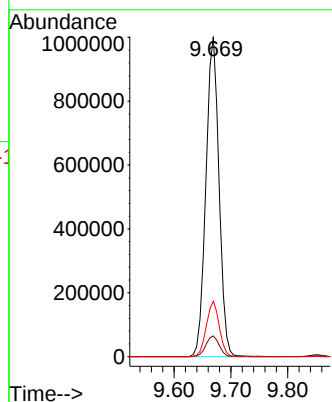
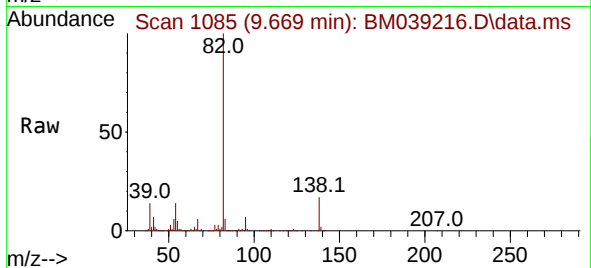
Tgt Ion: 82 Resp: 1598106

Ion Ratio Lower Upper

82 100

95 6.5 5.2 7.8

138 17.4 13.5 20.3



#26

2-Nitrophenol

Concen: 57.188 ng

RT: 9.851 min Scan# 1116

Delta R.T. 0.000 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

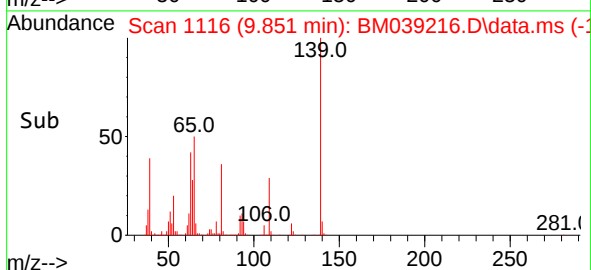
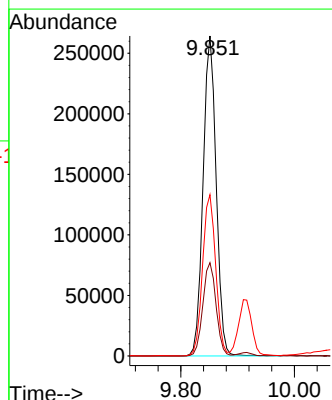
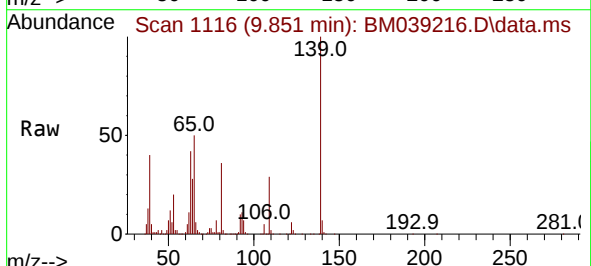
Tgt Ion:139 Resp: 422394

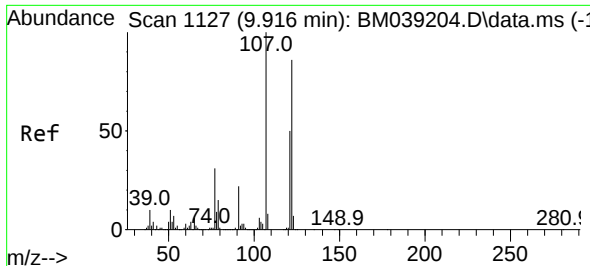
Ion Ratio Lower Upper

139 100

109 29.1 23.4 35.0

65 50.4 42.2 63.2

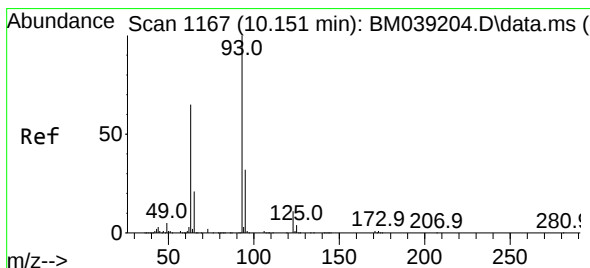
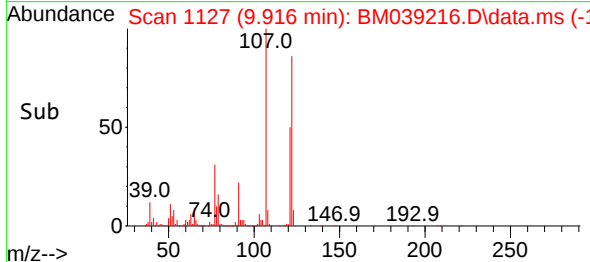
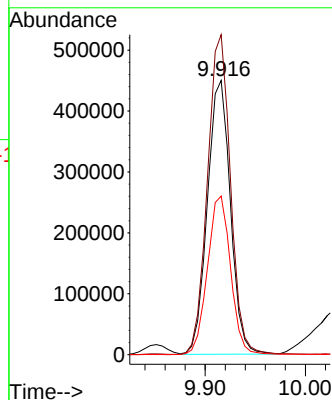
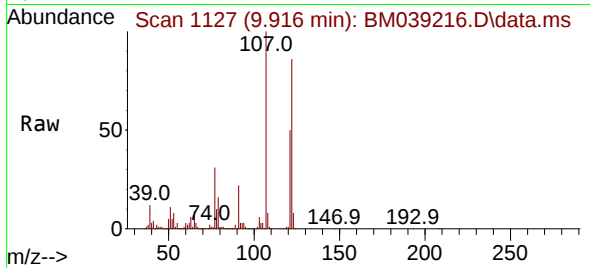




#27  
2,4-Dimethylphenol  
Concen: 58.619 ng  
RT: 9.916 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

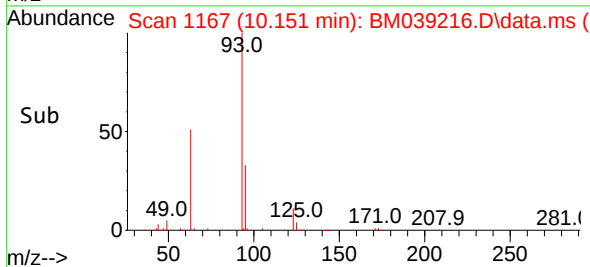
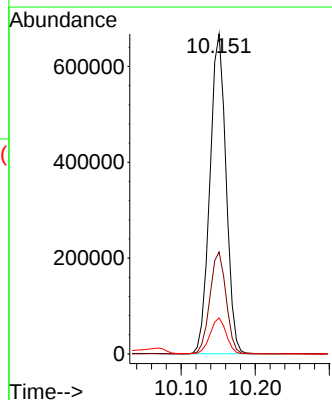
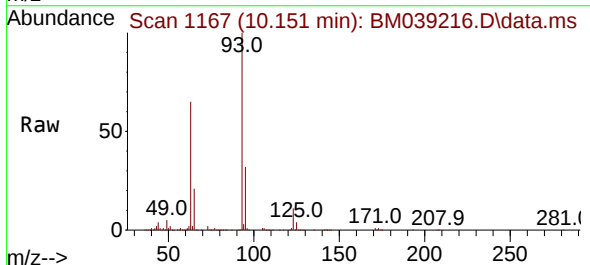
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

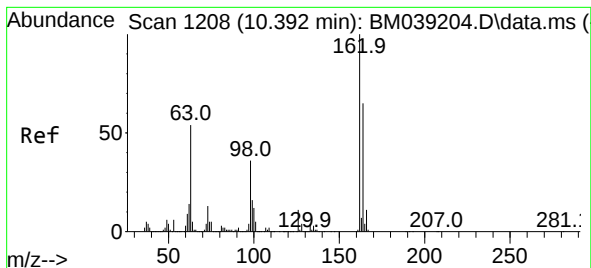
Tgt Ion:122 Resp: 719364  
Ion Ratio Lower Upper  
122 100  
107 116.7 92.3 138.5  
121 57.8 46.3 69.5



#28  
bis(2-Chloroethoxy)methane  
Concen: 55.680 ng  
RT: 10.151 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion: 93 Resp: 1010078  
Ion Ratio Lower Upper  
93 100  
95 31.8 25.8 38.8  
123 11.2 9.1 13.7

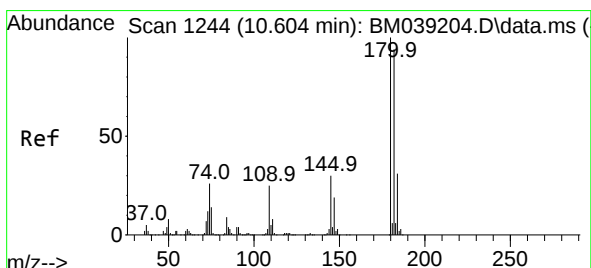
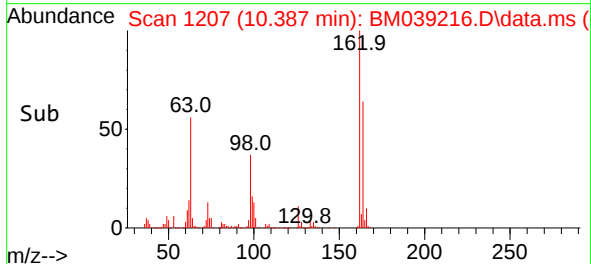
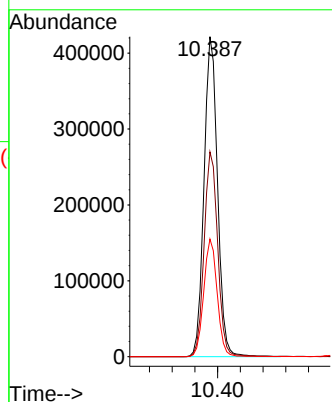
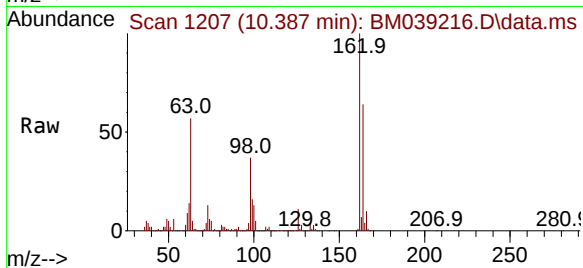




#29  
2,4-Dichlorophenol  
Concen: 58.103 ng  
RT: 10.387 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

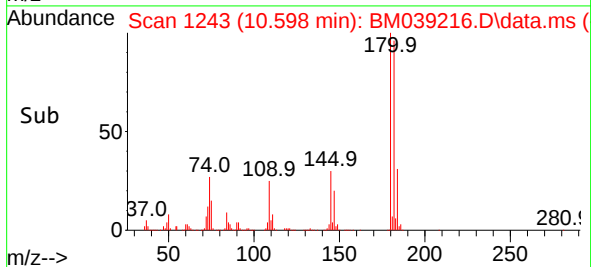
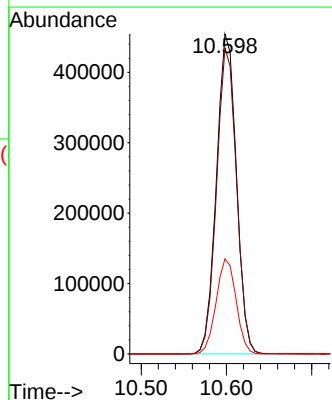
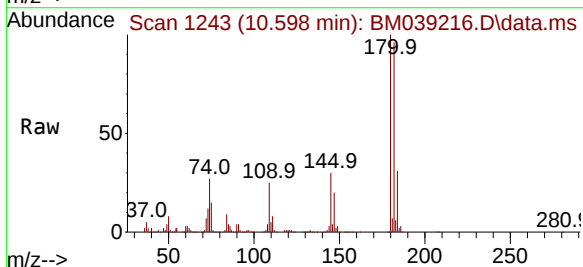
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

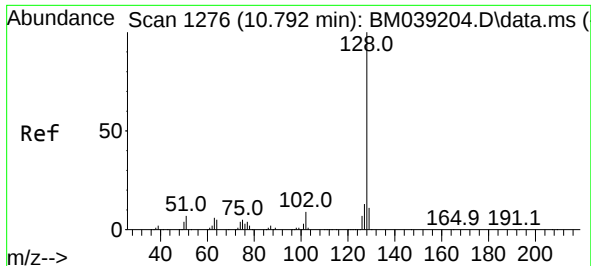
Tgt Ion:162 Resp: 695692  
Ion Ratio Lower Upper  
162 100  
164 64.0 44.8 84.8  
98 36.7 16.0 56.0



#30  
1,2,4-Trichlorobenzene  
Concen: 57.632 ng  
RT: 10.598 min Scan# 1243  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:180 Resp: 738248  
Ion Ratio Lower Upper  
180 100  
182 95.6 75.2 112.8  
145 29.8 23.9 35.9

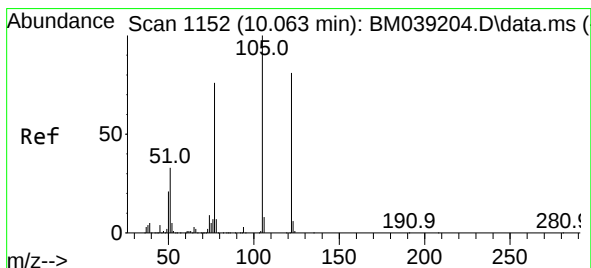
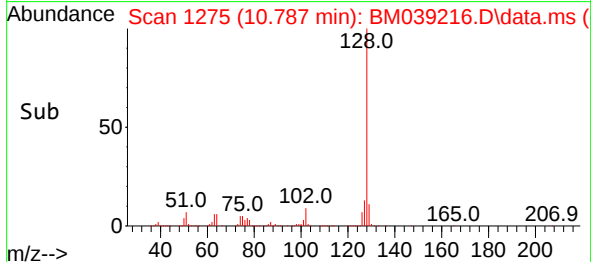
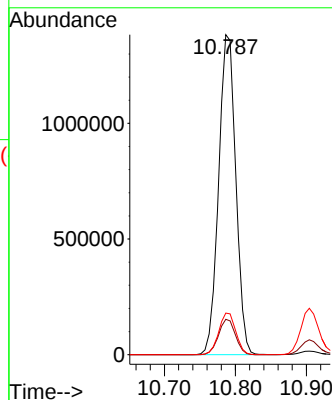
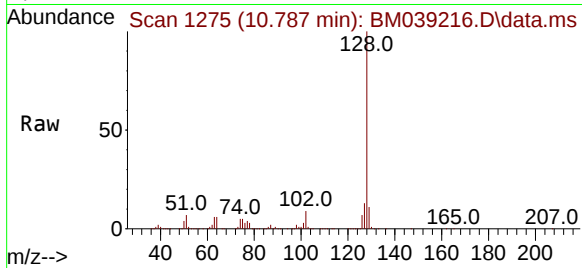




#31  
Naphthalene  
Concen: 55.009 ng  
RT: 10.787 min Scan# 1153  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

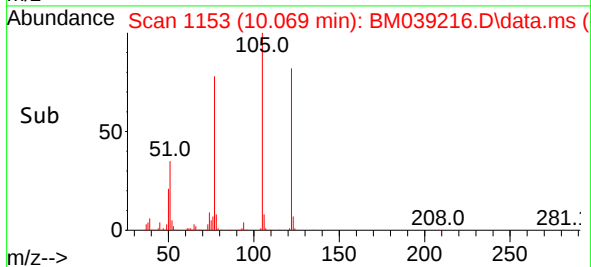
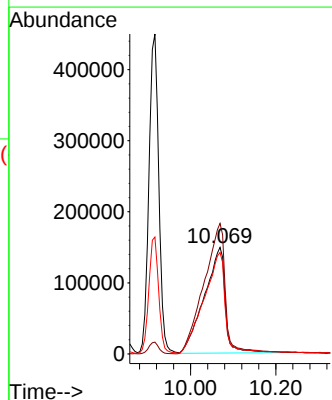
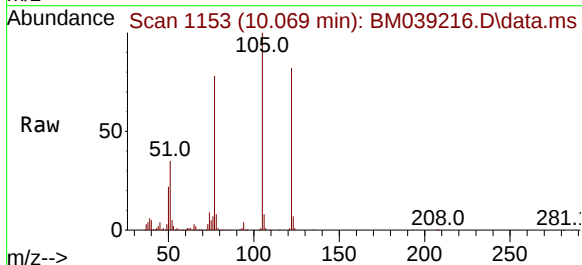
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

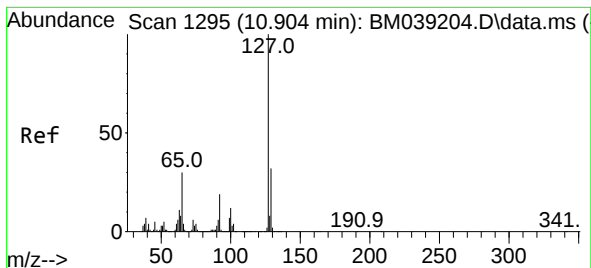
Tgt Ion:128 Resp: 2314168  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 13.0  
127 13.0 10.3 15.5



#32  
Benzoic acid  
Concen: 53.187 ng  
RT: 10.069 min Scan# 1153  
Delta R.T. 0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:122 Resp: 508722  
Ion Ratio Lower Upper  
122 100  
105 122.6 103.1 143.1  
77 95.2 74.6 114.6

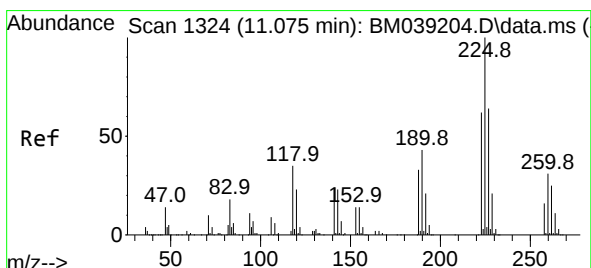
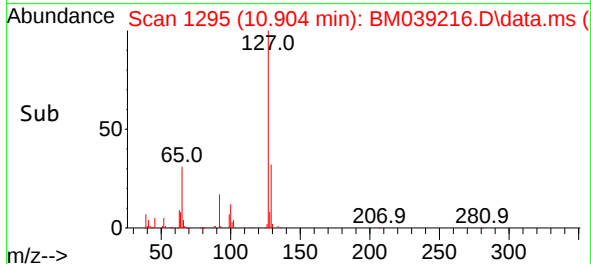
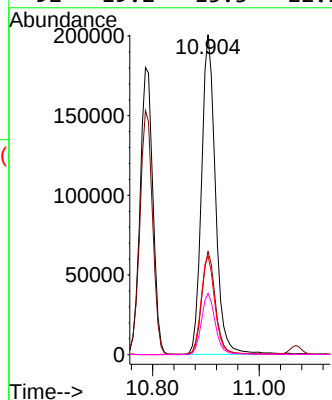
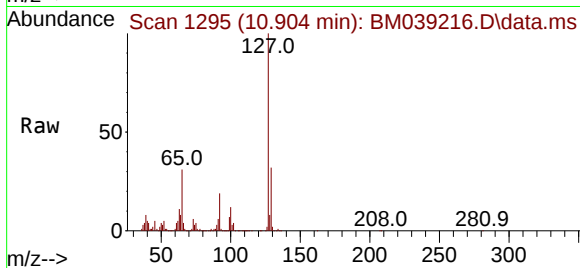




#33  
4-Chloroaniline  
Concen: 19.792 ng  
RT: 10.904 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

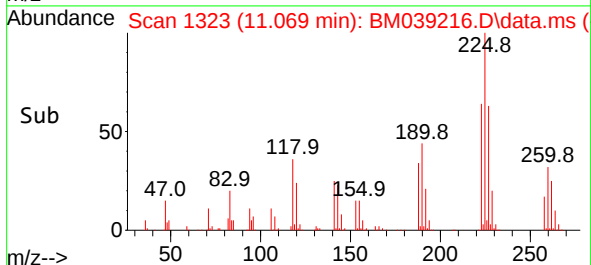
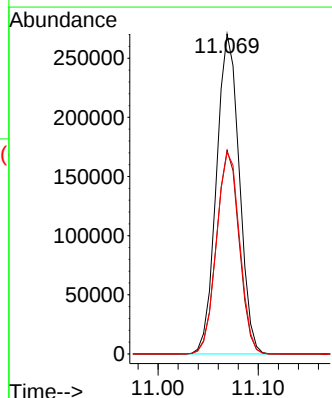
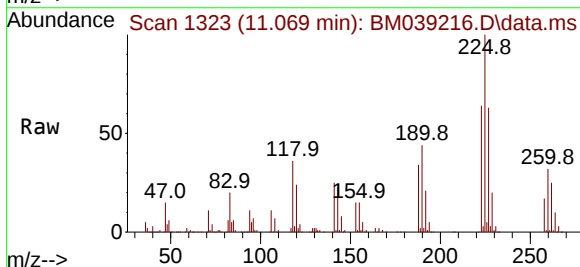
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

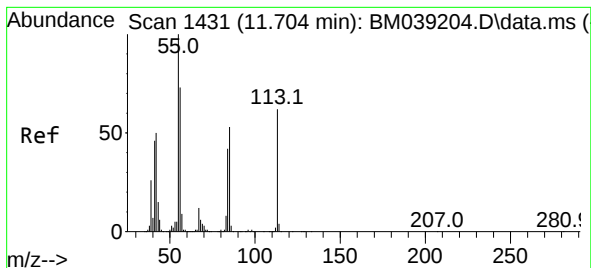
|             |              |
|-------------|--------------|
| Tgt Ion:127 | Resp: 364776 |
| Ion Ratio   | Lower Upper  |
| 127 100     |              |
| 129 32.2    | 25.7 38.5    |
| 65 30.8     | 24.1 36.1    |
| 92 19.2     | 15.3 22.9    |



#34  
Hexachlorobutadiene  
Concen: 56.805 ng  
RT: 11.069 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

|             |              |
|-------------|--------------|
| Tgt Ion:225 | Resp: 427867 |
| Ion Ratio   | Lower Upper  |
| 225 100     |              |
| 223 63.6    | 49.8 74.6    |
| 227 63.0    | 51.6 77.4    |





#35

Caprolactam

Concen: 52.004 ng

RT: 11.698 min Scan# 1431

Delta R.T. -0.006 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

Instrument :

BNA\_M

ClientSampleId :

PB151721BS

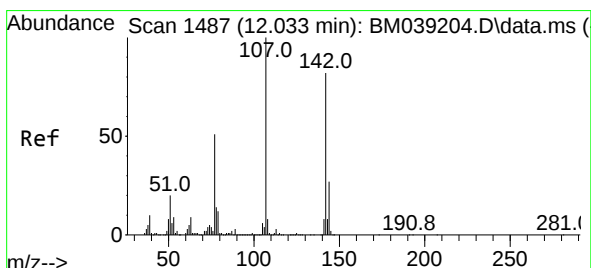
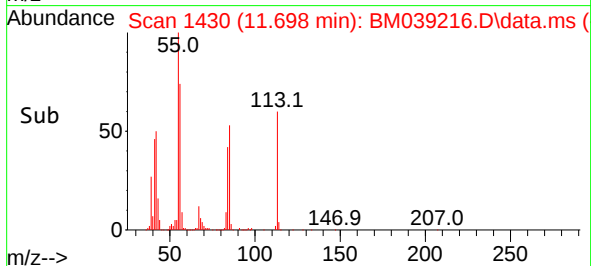
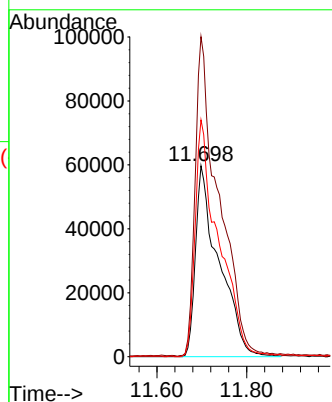
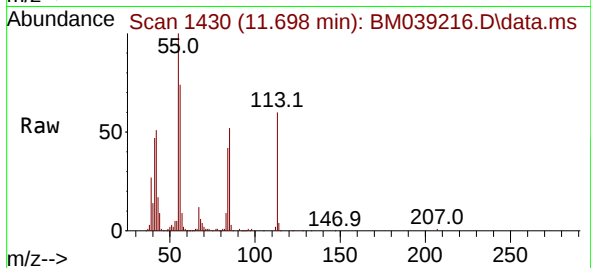
Tgt Ion:113 Resp: 216202

Ion Ratio Lower Upper

113 100

55 167.6 141.8 181.8

56 124.0 98.3 138.3



#36

4-Chloro-3-methylphenol

Concen: 55.328 ng

RT: 12.033 min Scan# 1487

Delta R.T. 0.000 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

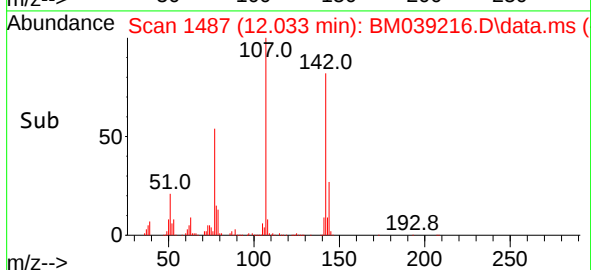
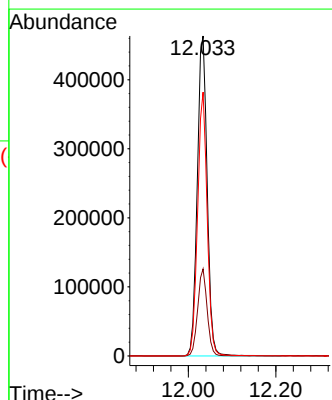
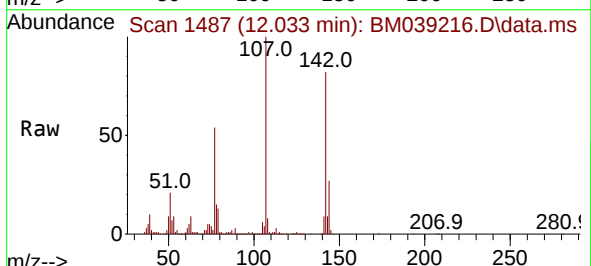
Tgt Ion:107 Resp: 730917

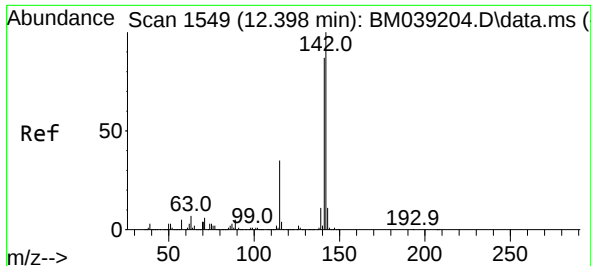
Ion Ratio Lower Upper

107 100

144 27.2 21.4 32.2

142 82.4 65.2 97.8

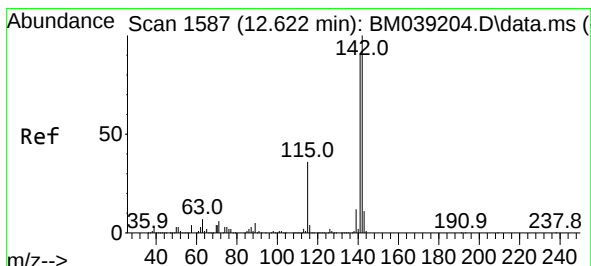
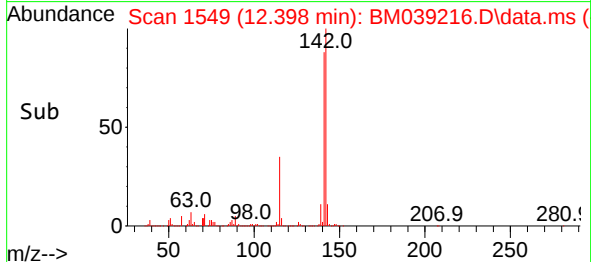
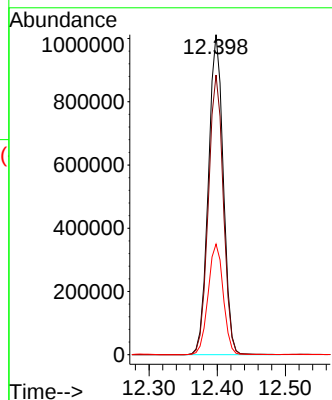
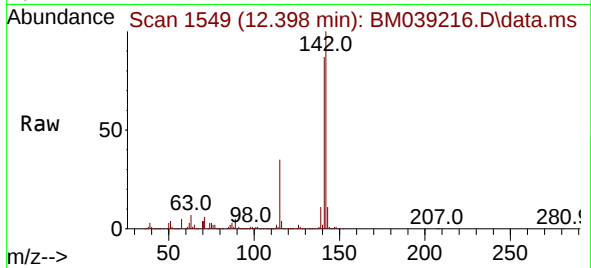




#37  
2-Methylnaphthalene  
Concen: 52.645 ng  
RT: 12.398 min Scan# 1549  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

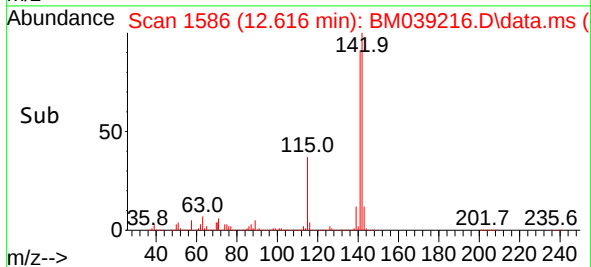
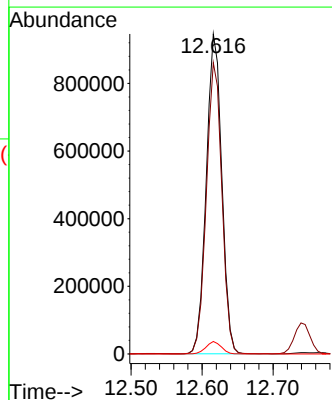
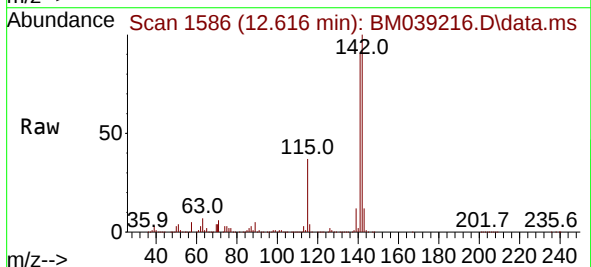
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

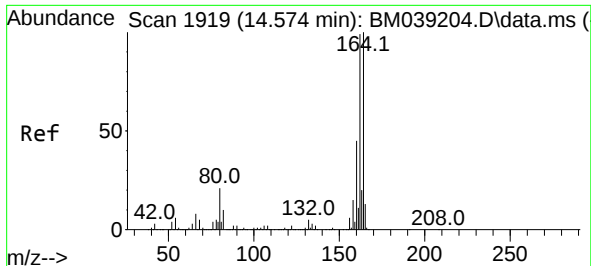
Tgt Ion:142 Resp: 1541766  
Ion Ratio Lower Upper  
142 100  
141 87.4 69.8 104.8  
115 34.6 27.8 41.8



#38  
1-Methylnaphthalene  
Concen: 52.380 ng  
RT: 12.616 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:142 Resp: 1436388  
Ion Ratio Lower Upper  
142 100  
141 91.0 73.2 109.8  
116 3.9 3.0 4.4

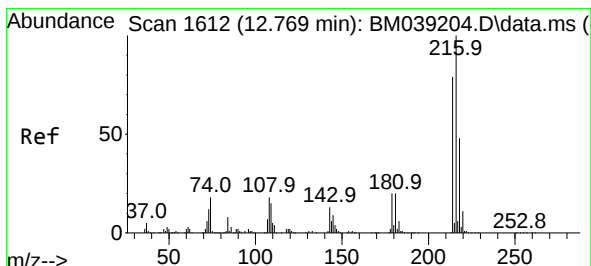
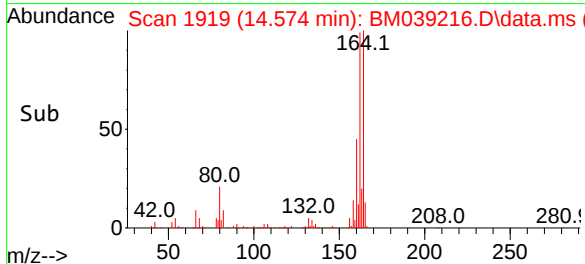
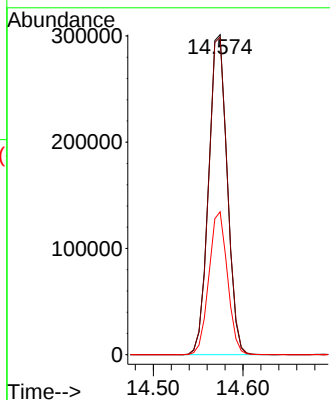
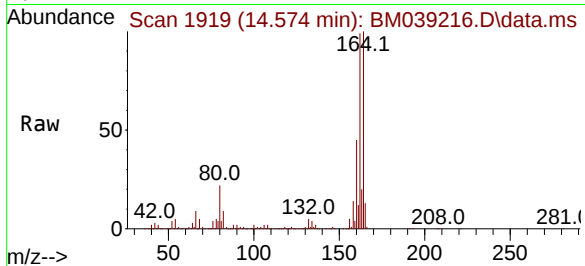




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.574 min Scan# 1919  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

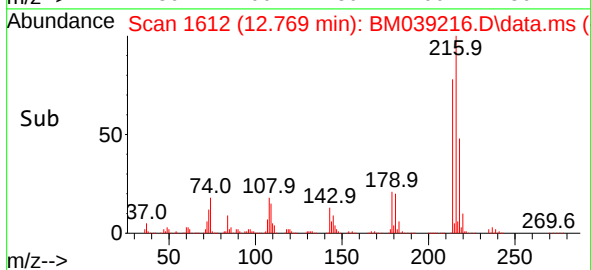
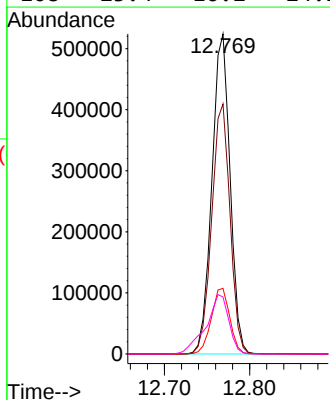
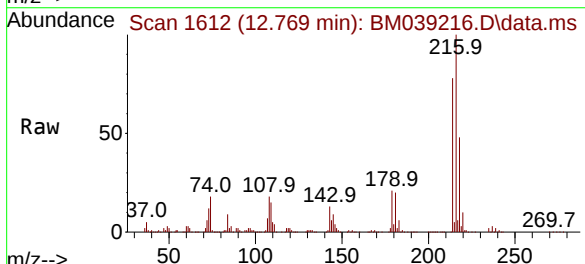
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

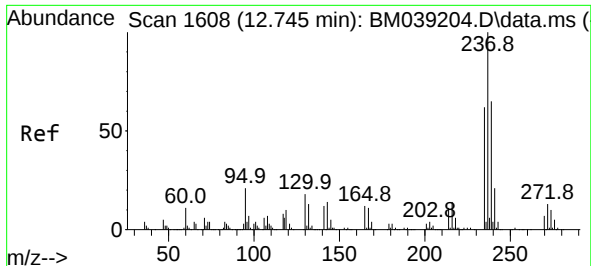
Tgt Ion:164 Resp: 433370  
Ion Ratio Lower Upper  
164 100  
162 99.3 79.1 118.7  
160 44.7 35.8 53.8



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 58.725 ng  
RT: 12.769 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:216 Resp: 774856  
Ion Ratio Lower Upper  
216 100  
214 78.7 62.8 94.2  
179 20.9 16.8 25.2  
108 23.4 16.2 24.2

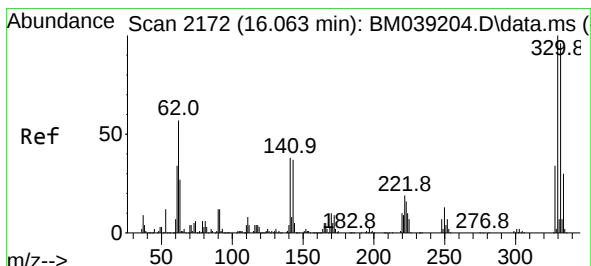
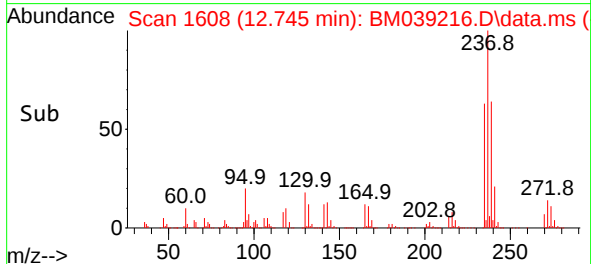
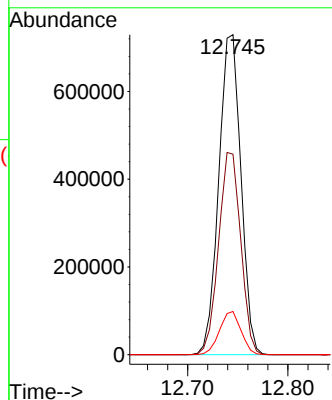
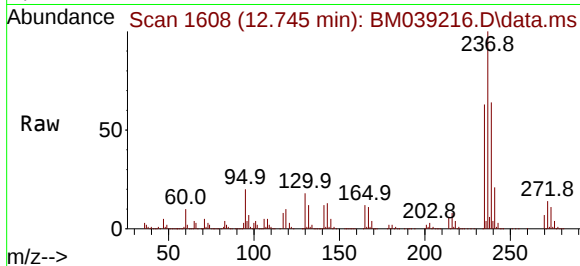




#41  
Hexachlorocyclopentadiene  
Concen: 155.206 ng  
RT: 12.745 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

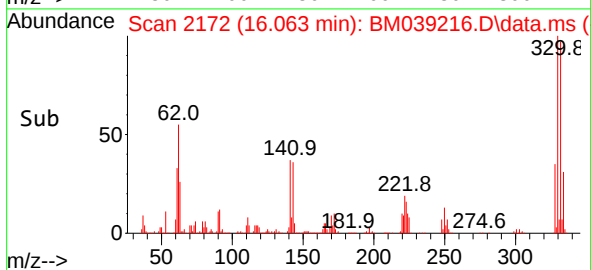
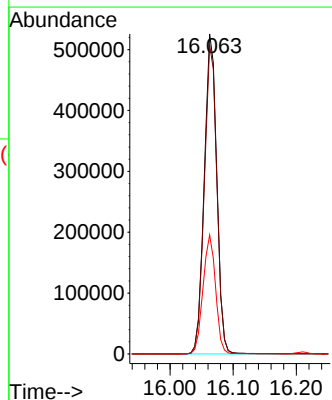
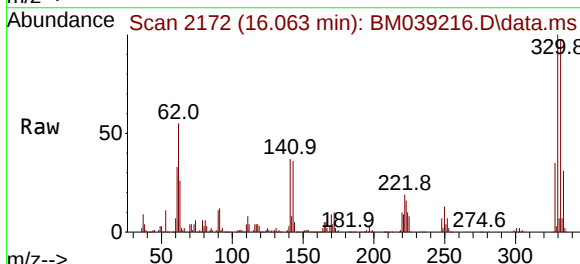
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

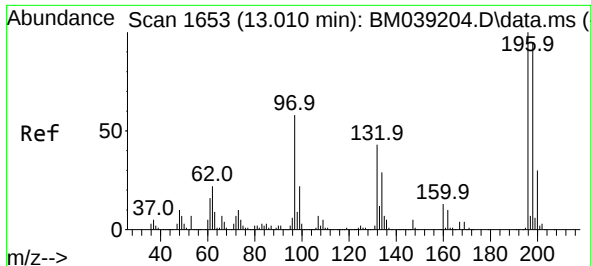
Tgt Ion:237 Resp: 1118779  
Ion Ratio Lower Upper  
237 100  
235 62.7 41.6 81.6  
272 13.5 0.0 33.2



#42  
2,4,6-Tribromophenol  
Concen: 131.791 ng  
RT: 16.063 min Scan# 2172  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:330 Resp: 725009  
Ion Ratio Lower Upper  
330 100  
332 96.7 77.4 116.0  
141 37.3 29.8 44.6

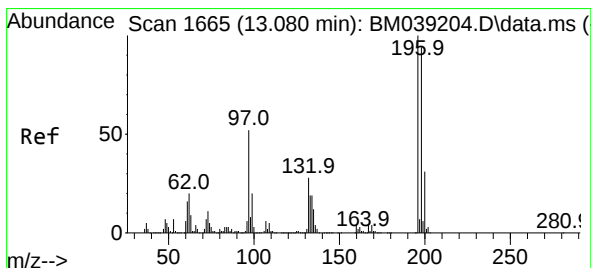
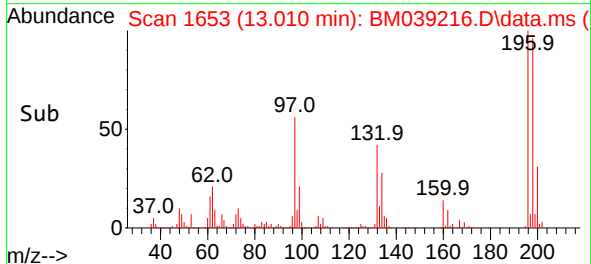
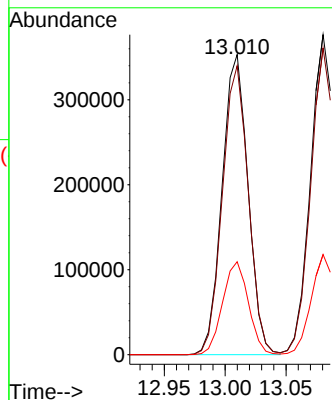
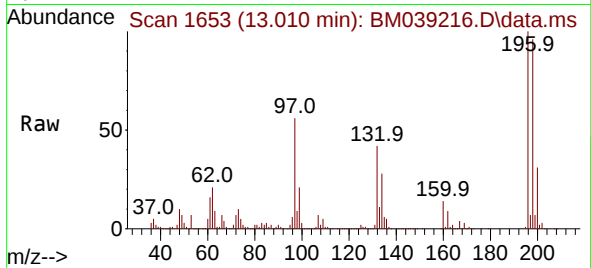




#43  
2,4,6-Trichlorophenol  
Concen: 58.199 ng  
RT: 13.010 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

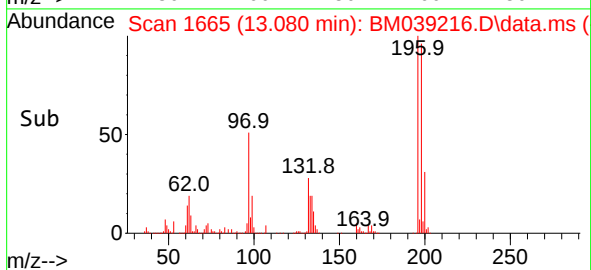
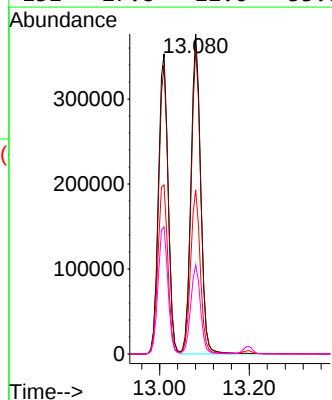
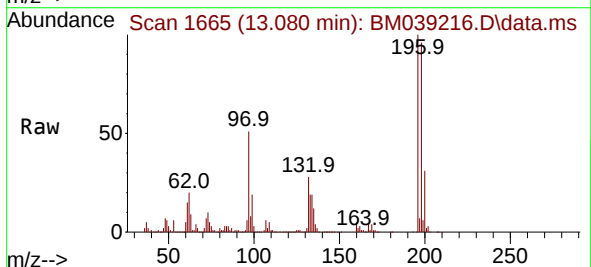
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

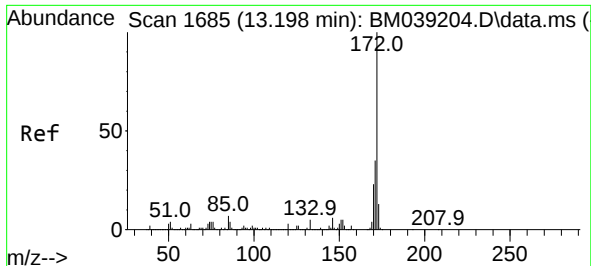
Tgt Ion:196 Resp: 523706  
Ion Ratio Lower Upper  
196 100  
198 96.3 76.2 114.2  
200 31.0 24.2 36.2



#44  
2,4,5-Trichlorophenol  
Concen: 53.471 ng  
RT: 13.080 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:196 Resp: 564068  
Ion Ratio Lower Upper  
196 100  
198 95.9 75.2 112.8  
97 51.2 41.4 62.0  
132 27.8 22.6 33.8

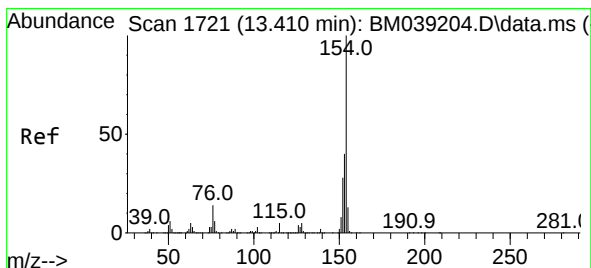
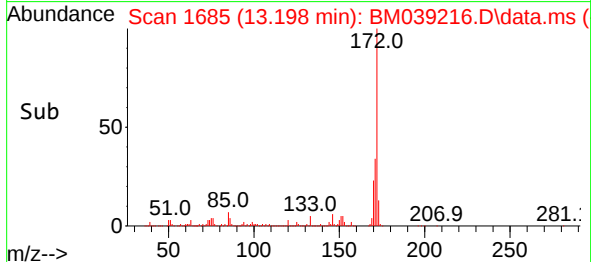
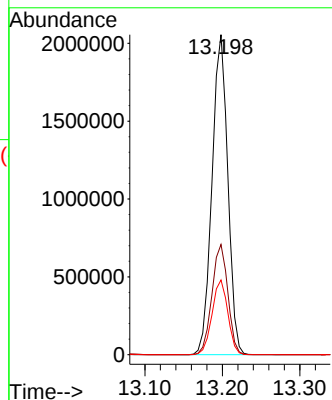
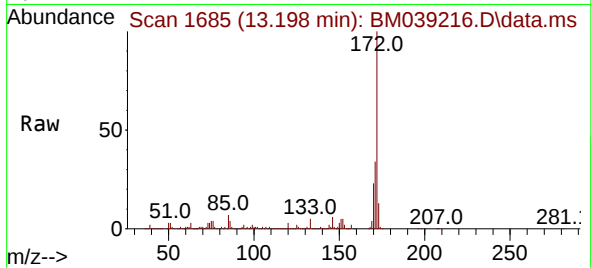




#45  
2-Fluorobiphenyl  
Concen: 90.762 ng  
RT: 13.198 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

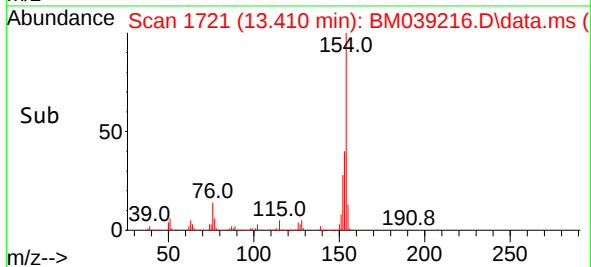
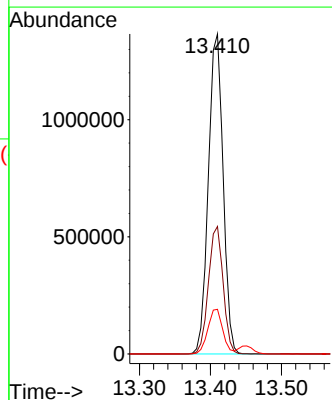
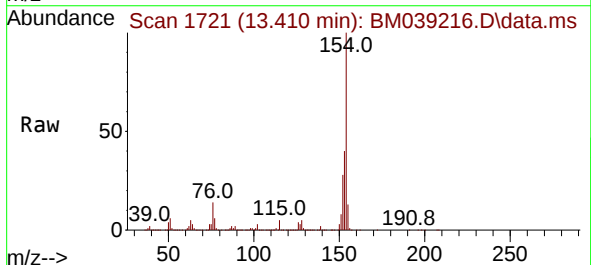
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

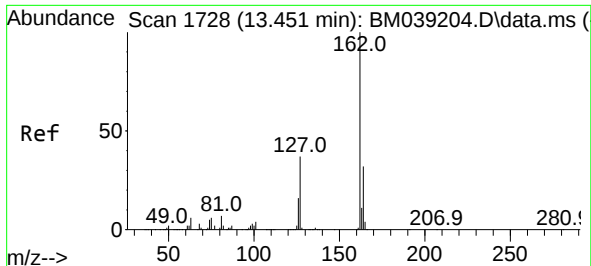
Tgt Ion:172 Resp: 2903029  
Ion Ratio Lower Upper  
172 100  
171 34.5 28.0 42.0  
170 23.4 18.7 28.1



#46  
1,1'-Biphenyl  
Concen: 57.638 ng  
RT: 13.410 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:154 Resp: 1972485  
Ion Ratio Lower Upper  
154 100  
153 39.8 19.9 59.9  
76 14.0 0.0 33.5

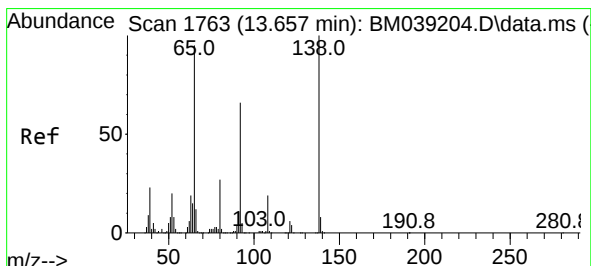
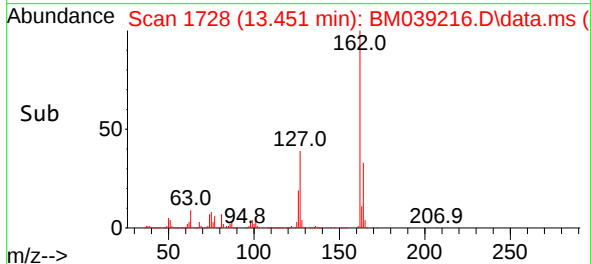
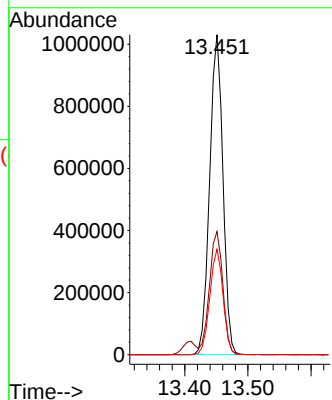
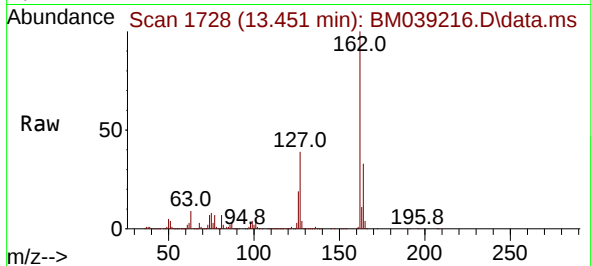




#47  
2-Chloronaphthalene  
Concen: 58.023 ng  
RT: 13.451 min Scan# 1728  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

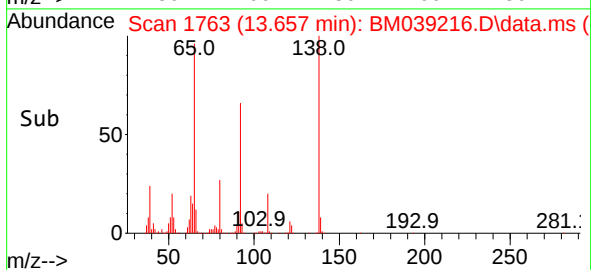
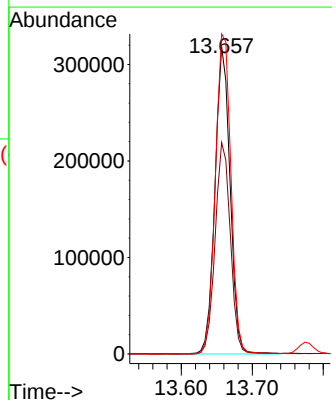
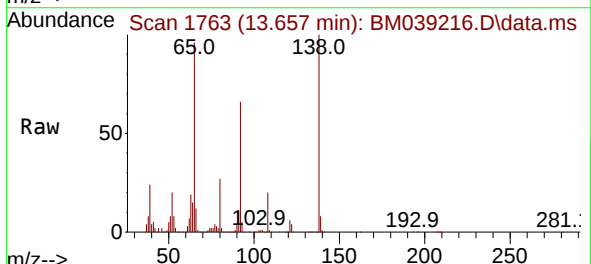
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

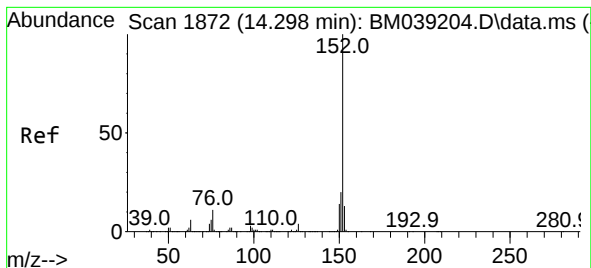
Tgt Ion:162 Resp: 1503496  
Ion Ratio Lower Upper  
162 100  
127 38.5 31.4 47.0  
164 33.0 25.7 38.5



#48  
2-Nitroaniline  
Concen: 53.881 ng  
RT: 13.657 min Scan# 1763  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion: 65 Resp: 469835  
Ion Ratio Lower Upper  
65 100  
92 68.8 55.7 83.5  
138 104.2 84.5 126.7





#49

Acenaphthylene

Concen: 55.245 ng

RT: 14.298 min Scan# 1872

Delta R.T. 0.000 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

Instrument :

BNA\_M

ClientSampleId :

PB151721BS

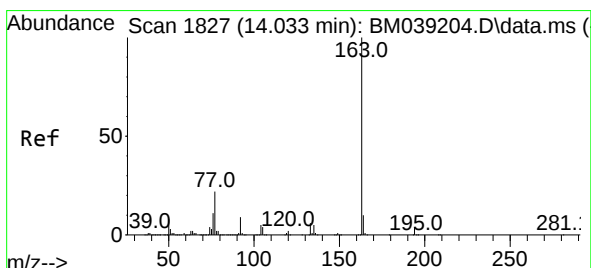
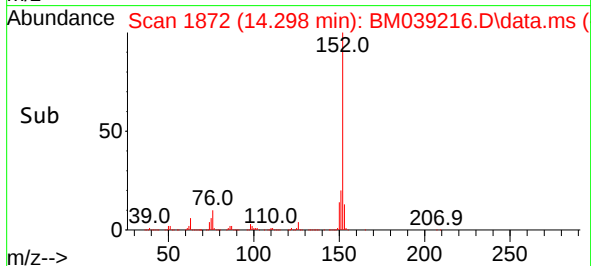
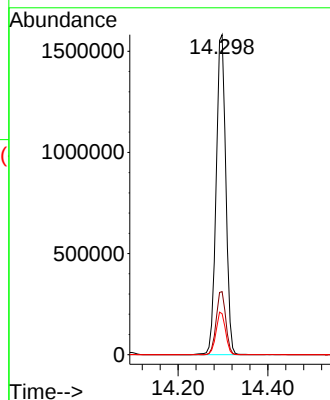
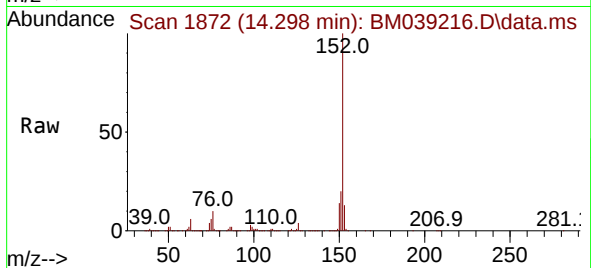
Tgt Ion:152 Resp: 2352756

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

153 12.8 10.3 15.5



#50

Dimethylphthalate

Concen: 53.325 ng

RT: 14.033 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

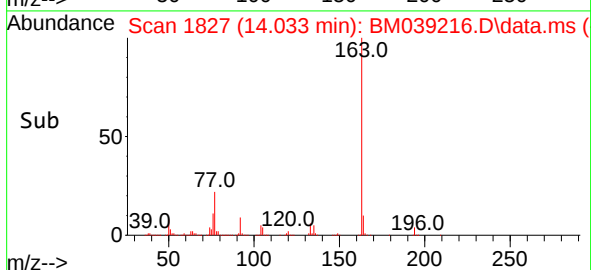
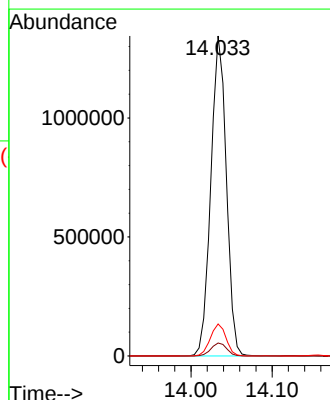
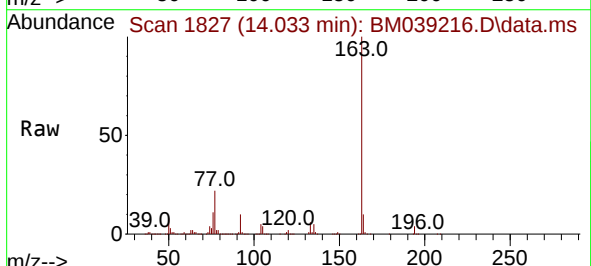
Tgt Ion:163 Resp: 1780970

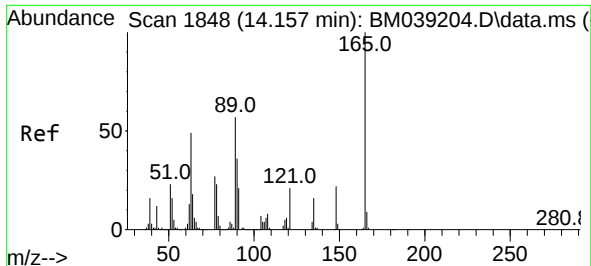
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.0 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 54.802 ng

RT: 14.151 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

Instrument :

BNA\_M

ClientSampleId :

PB151721BS

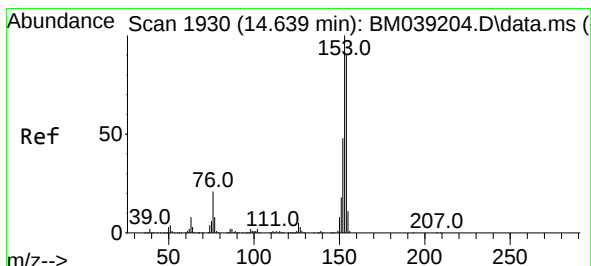
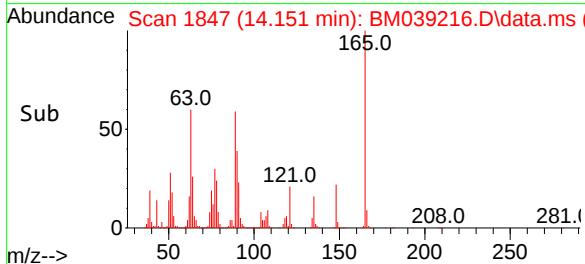
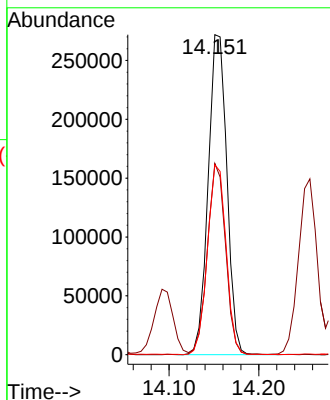
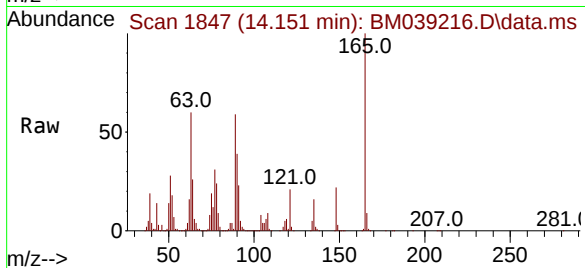
Tgt Ion:165 Resp: 393599

Ion Ratio Lower Upper

165 100

63 59.7 44.9 67.3

89 59.3 45.4 68.0



#52

Acenaphthene

Concen: 55.288 ng

RT: 14.639 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

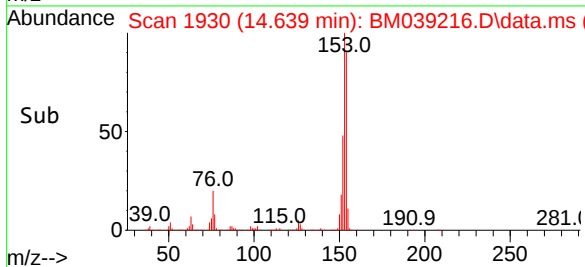
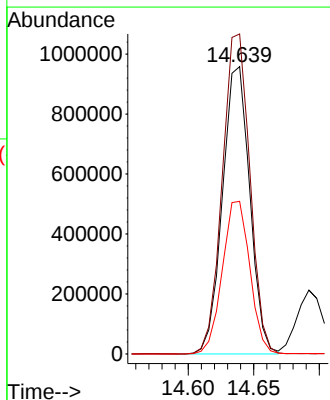
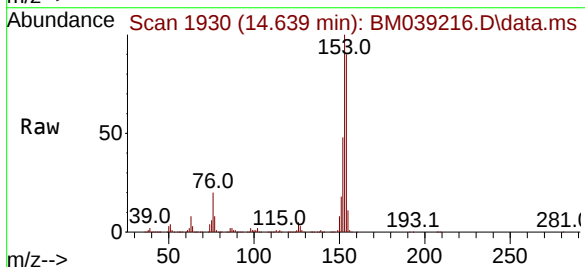
Tgt Ion:154 Resp: 1390346

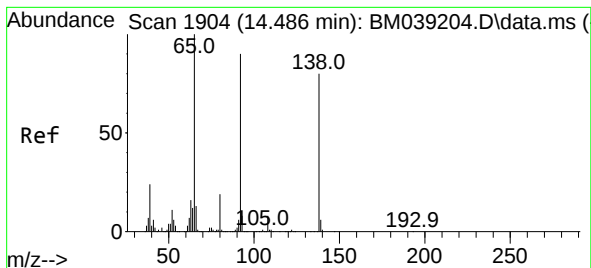
Ion Ratio Lower Upper

154 100

153 111.4 89.1 133.7

152 53.1 42.6 64.0

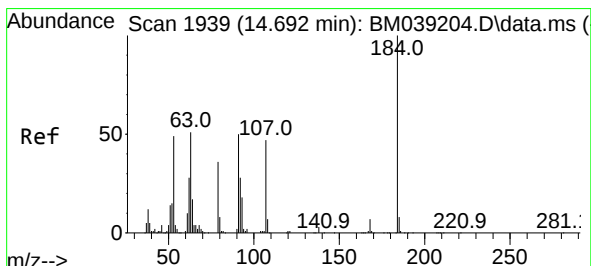
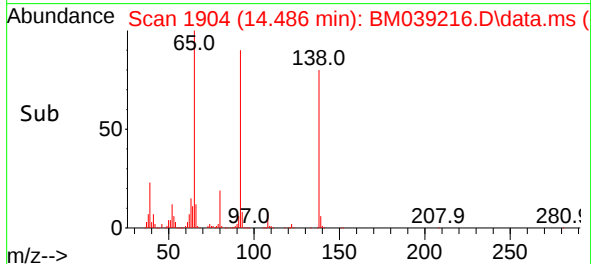
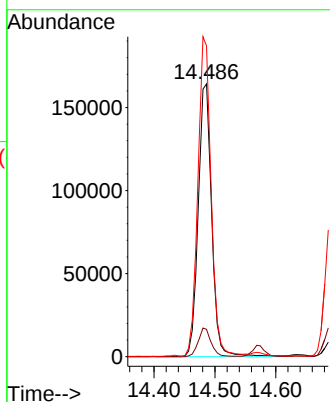
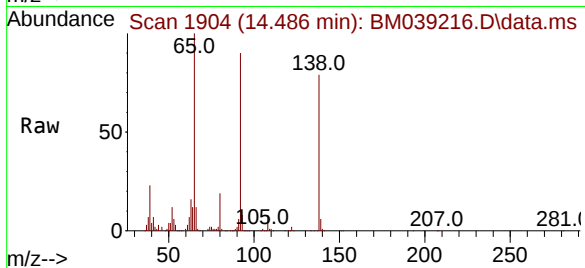




#53  
3-Nitroaniline  
Concen: 30.207 ng  
RT: 14.486 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

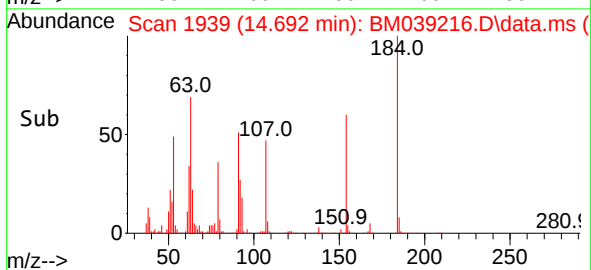
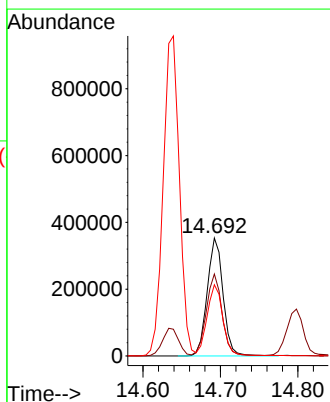
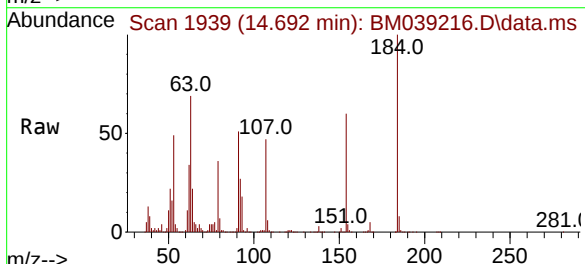
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

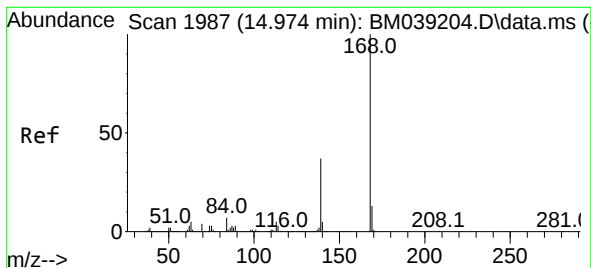
Tgt Ion:138 Resp: 250809  
Ion Ratio Lower Upper  
138 100  
108 10.0 8.0 12.0  
92 113.9 90.8 136.2



#54  
2,4-Dinitrophenol  
Concen: 117.901 ng  
RT: 14.692 min Scan# 1939  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:184 Resp: 501477  
Ion Ratio Lower Upper  
184 100  
63 69.5 56.4 84.6  
154 60.3 48.7 73.1

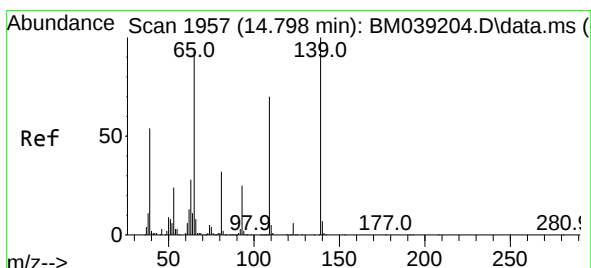
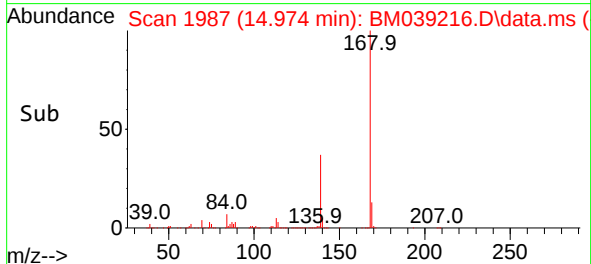
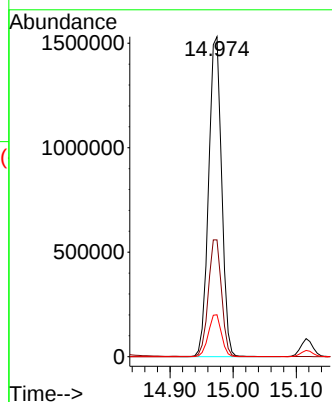
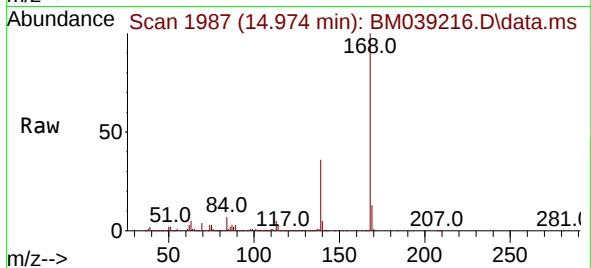




#55  
Dibenzofuran  
Concen: 54.135 ng  
RT: 14.974 min Scan# 1987  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

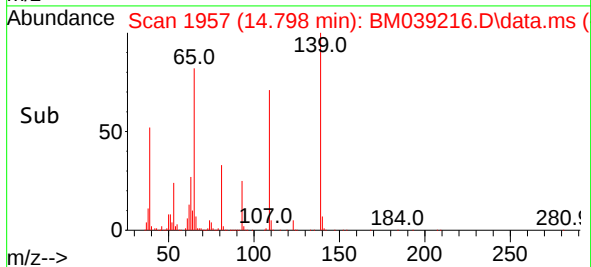
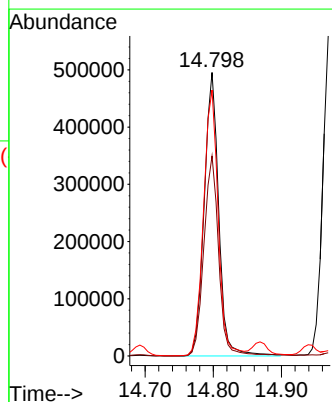
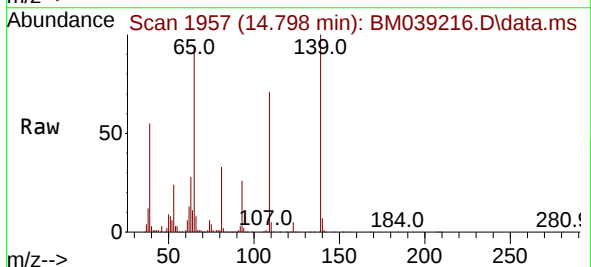
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

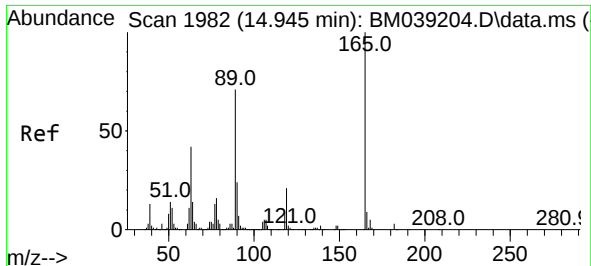
Tgt Ion:168 Resp: 2191702  
Ion Ratio Lower Upper  
168 100  
139 36.5 29.4 44.2  
169 13.1 10.6 15.8



#56  
4-Nitrophenol  
Concen: 114.718 ng  
RT: 14.798 min Scan# 1957  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:139 Resp: 734493  
Ion Ratio Lower Upper  
139 100  
109 70.6 49.6 89.6  
65 93.8 72.9 112.9





#57

2,4-Dinitrotoluene

Concen: 53.906 ng

RT: 14.939 min Scan# 1982

Delta R.T. -0.006 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

Instrument :

BNA\_M

ClientSampleId :

PB151721BS

Tgt Ion:165 Resp: 523737

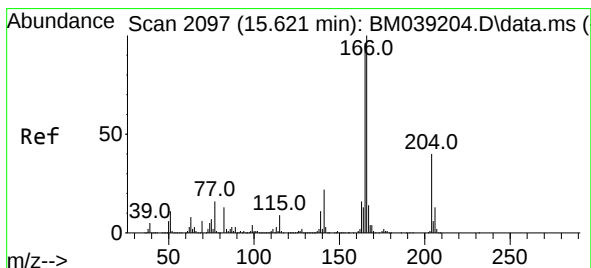
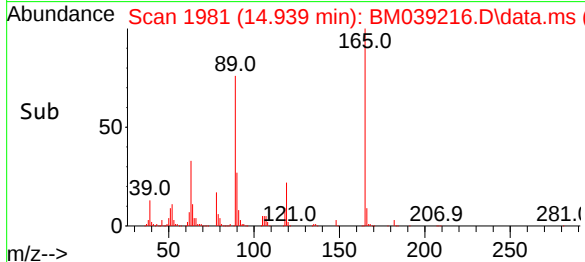
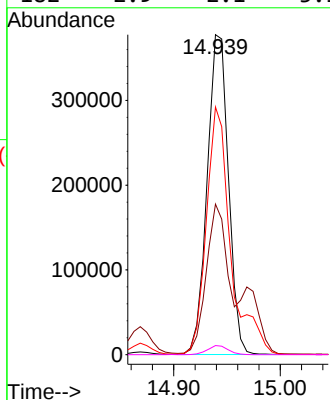
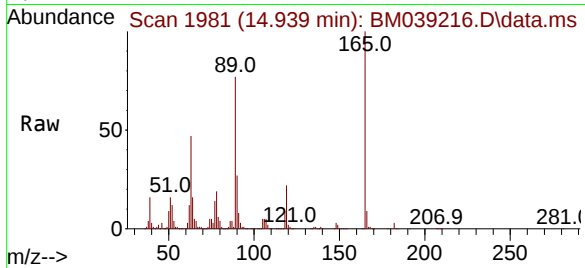
Ion Ratio Lower Upper

165 100

63 47.1 33.5 50.3

89 77.4 56.7 85.1

182 2.9 2.1 3.1



#58

Fluorene

Concen: 54.046 ng

RT: 15.621 min Scan# 2097

Delta R.T. 0.000 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

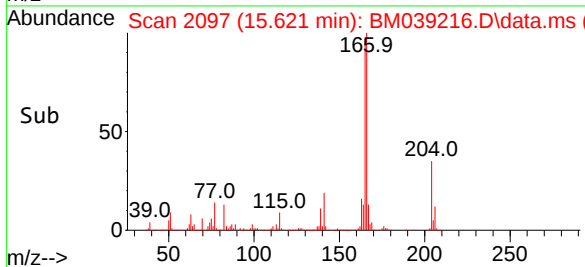
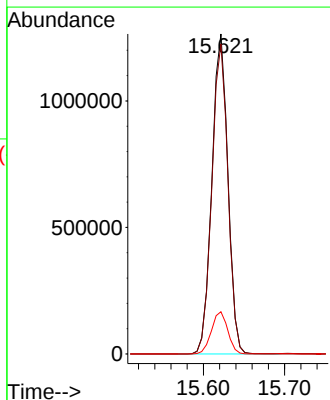
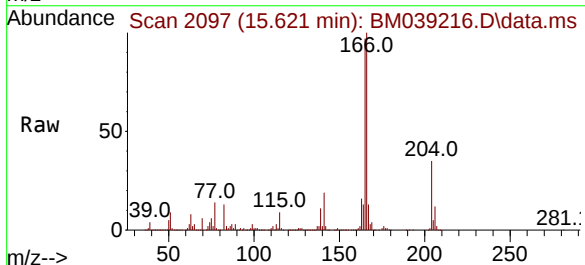
Tgt Ion:166 Resp: 1732652

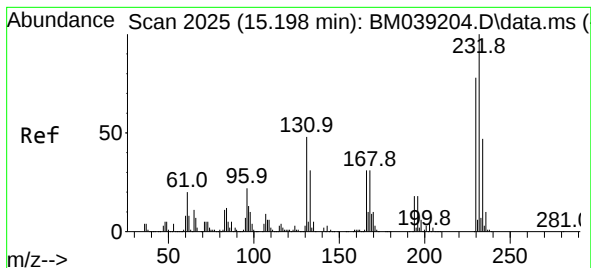
Ion Ratio Lower Upper

166 100

165 96.9 76.9 115.3

167 13.2 10.8 16.2

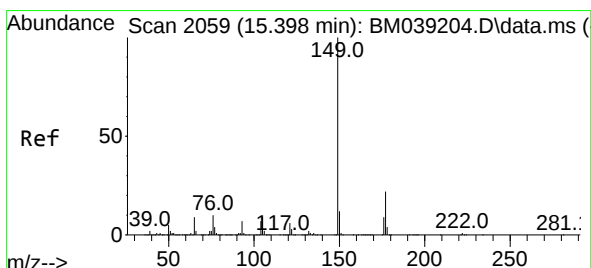
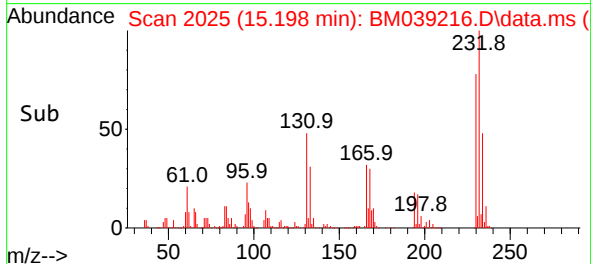
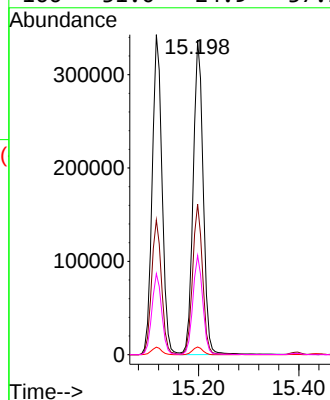
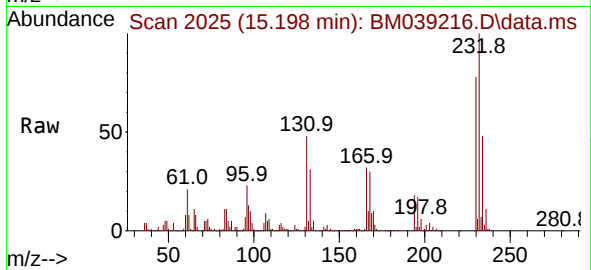




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 55.689 ng  
RT: 15.198 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

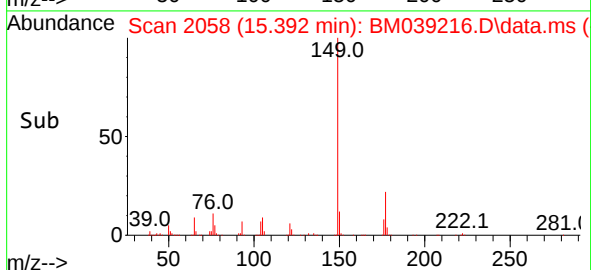
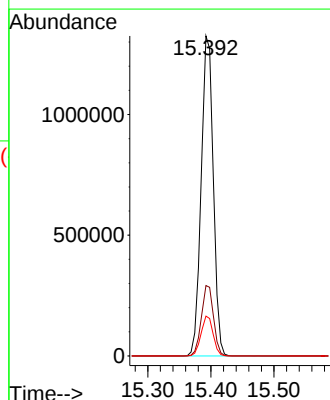
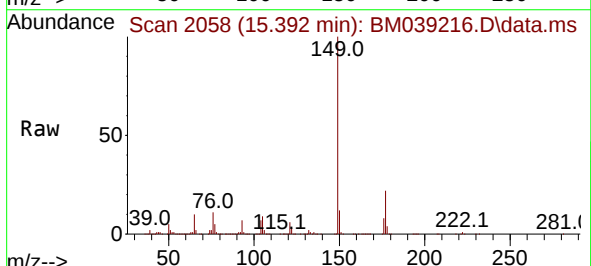
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

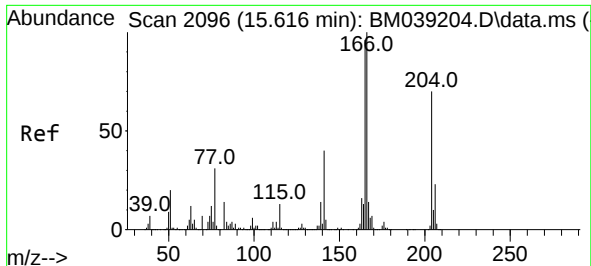
Tgt Ion:232 Resp: 467353  
Ion Ratio Lower Upper  
232 100  
131 47.3 37.7 56.5  
130 2.5 1.9 2.9  
166 31.0 24.9 37.3



#60  
Diethylphthalate  
Concen: 52.663 ng  
RT: 15.392 min Scan# 2058  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:149 Resp: 1770337  
Ion Ratio Lower Upper  
149 100  
177 22.0 17.7 26.5  
150 12.4 9.8 14.6

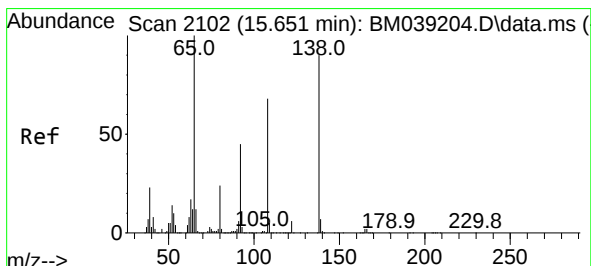
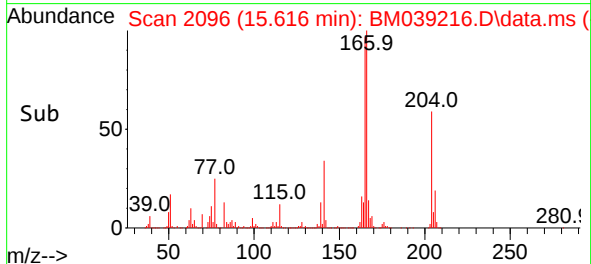
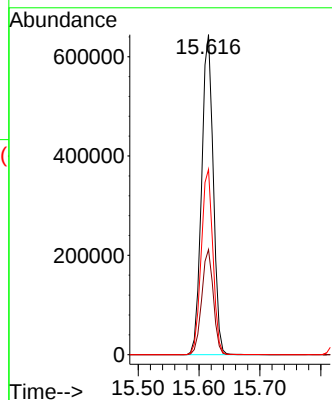
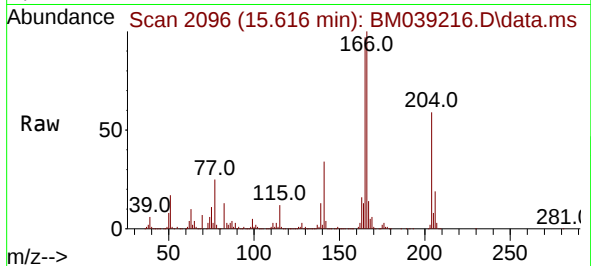




#61  
4-Chlorophenyl-phenylether  
Concen: 53.893 ng  
RT: 15.616 min Scan# 2096  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

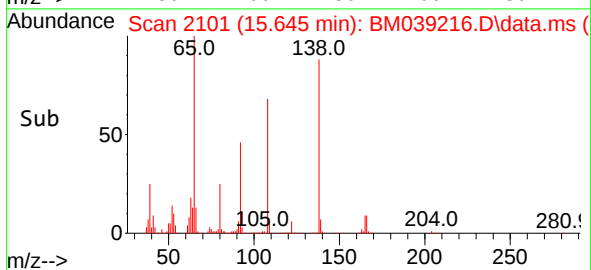
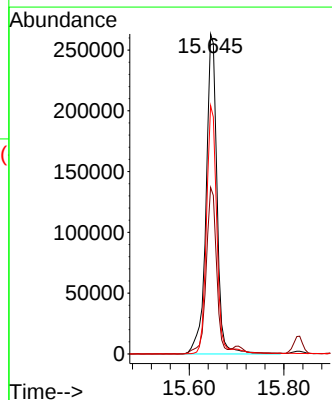
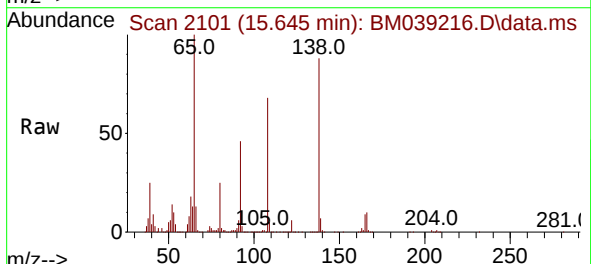
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

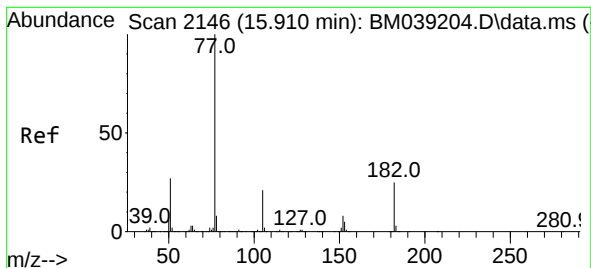
Tgt Ion:204 Resp: 856267  
Ion Ratio Lower Upper  
204 100  
206 32.8 26.1 39.1  
141 57.9 45.8 68.6



#62  
4-Nitroaniline  
Concen: 49.398 ng  
RT: 15.645 min Scan# 2101  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:138 Resp: 420893  
Ion Ratio Lower Upper  
138 100  
92 52.1 30.5 70.5  
108 77.6 55.5 95.5





#63

Azobenzene

Concen: 54.654 ng

RT: 15.910 min Scan# 2146

Delta R.T. 0.000 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

Instrument :

BNA\_M

ClientSampleId :

PB151721BS

Tgt Ion: 77 Resp: 1840738

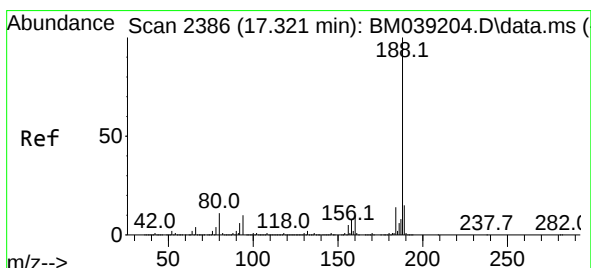
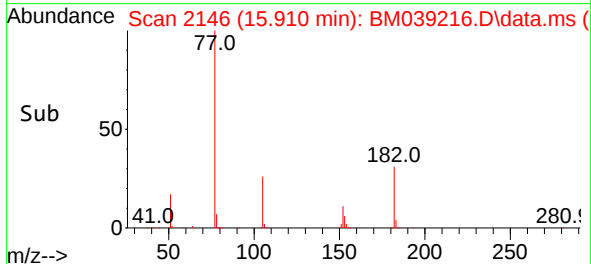
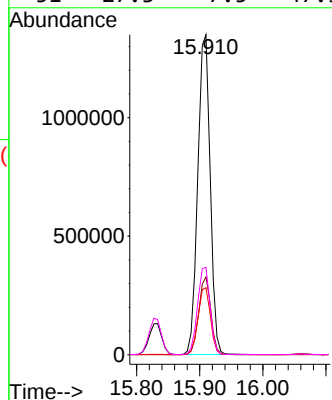
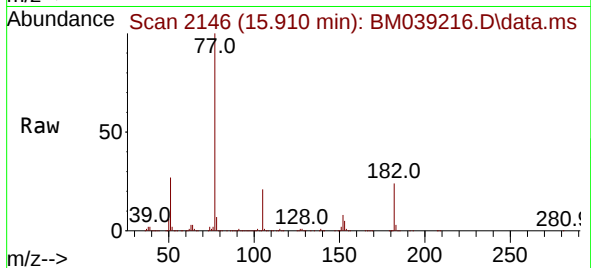
Ion Ratio Lower Upper

77 100

182 24.3 4.8 44.8

105 21.0 1.4 41.4

51 27.3 7.5 47.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 2386

Delta R.T. 0.000 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

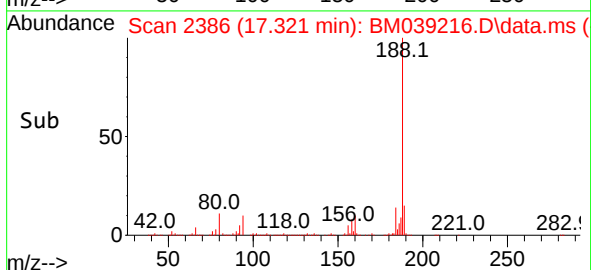
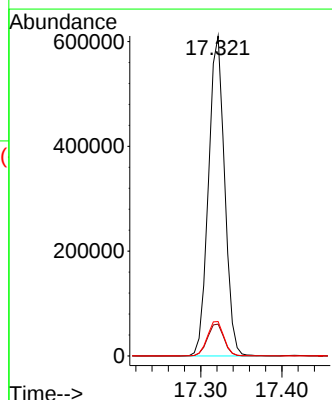
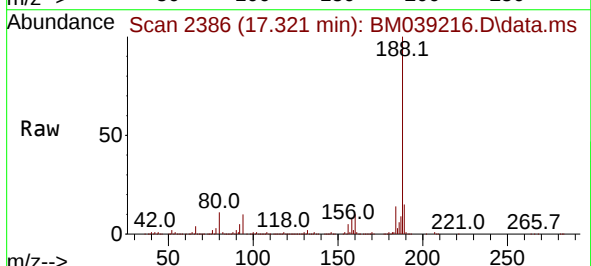
Tgt Ion: 188 Resp: 841221

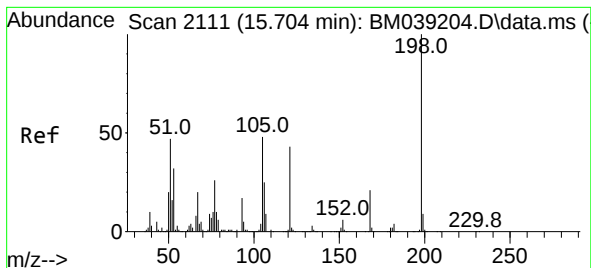
Ion Ratio Lower Upper

188 100

94 10.0 8.2 12.4

80 10.8 8.9 13.3

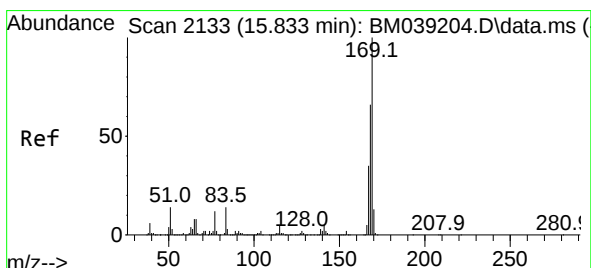
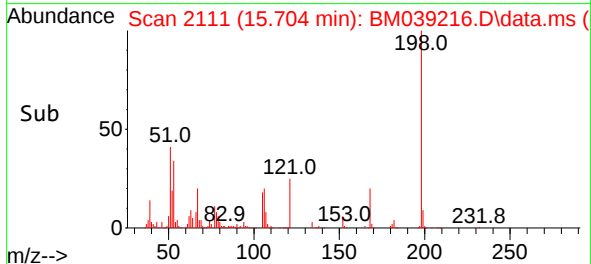
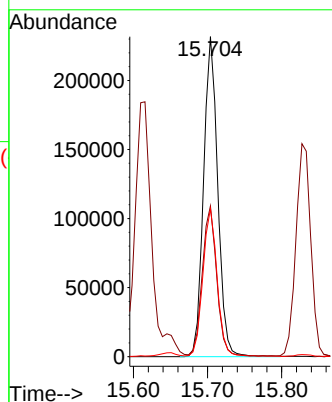
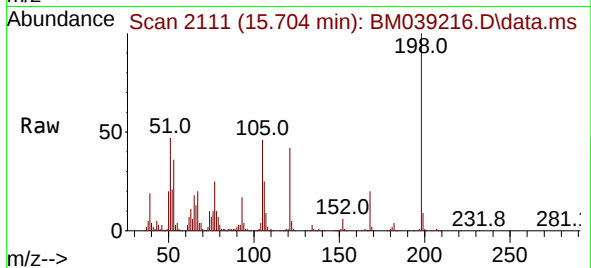




#65  
4,6-Dinitro-2-methylphenol  
Concen: 55.737 ng  
RT: 15.704 min Scan# 2111  
Delta R.T. -0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

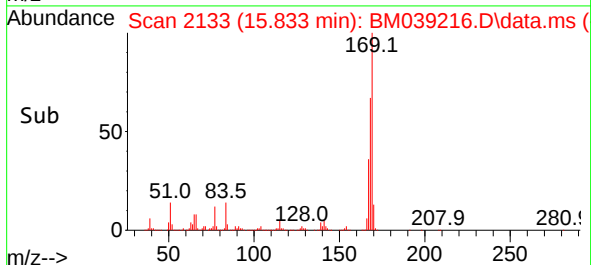
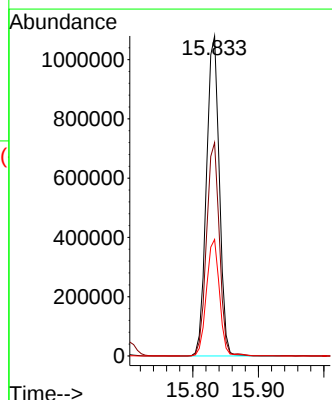
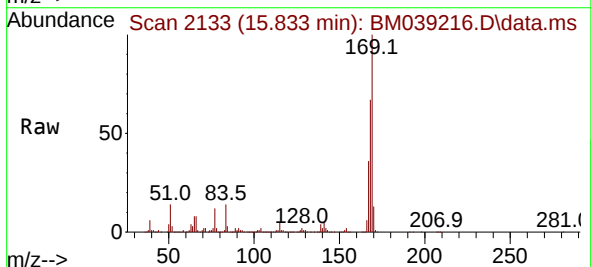
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

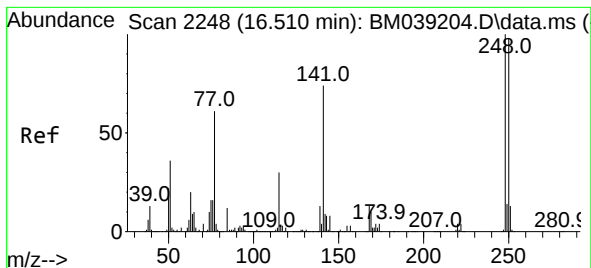
Tgt Ion:198 Resp: 308460  
Ion Ratio Lower Upper  
198 100  
51 47.1 28.9 68.9  
105 46.3 28.7 68.7



#66  
n-Nitrosodiphenylamine  
Concen: 55.747 ng  
RT: 15.833 min Scan# 2133  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:169 Resp: 1477764  
Ion Ratio Lower Upper  
169 100  
168 66.7 52.8 79.2  
167 36.4 28.4 42.6

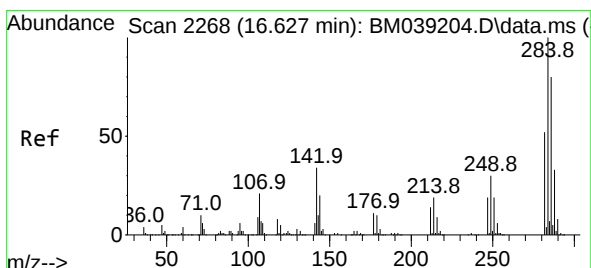
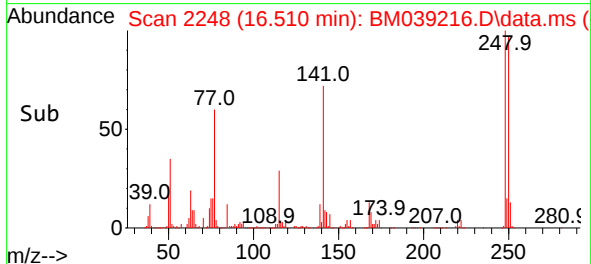
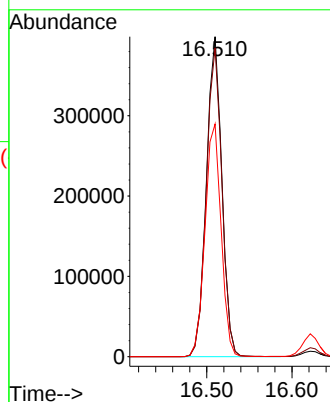
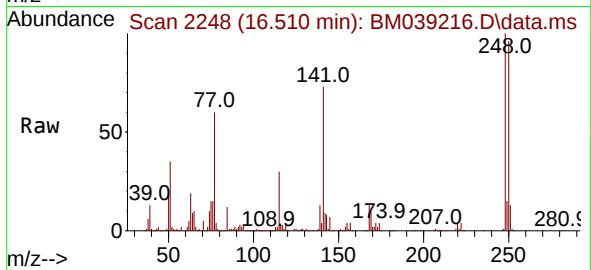




#67  
4-Bromophenyl-phenylether  
Concen: 56.095 ng  
RT: 16.510 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

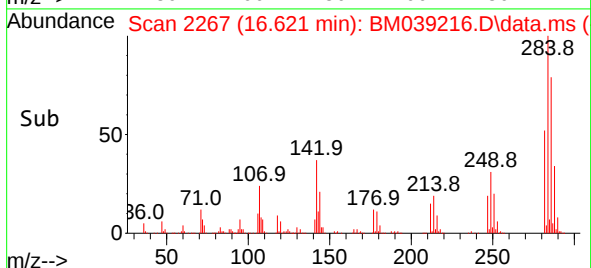
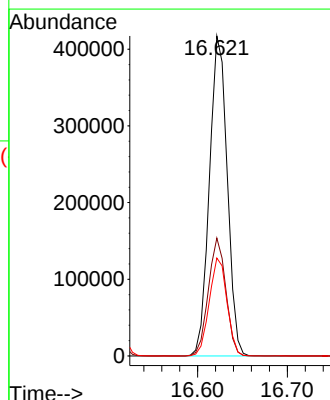
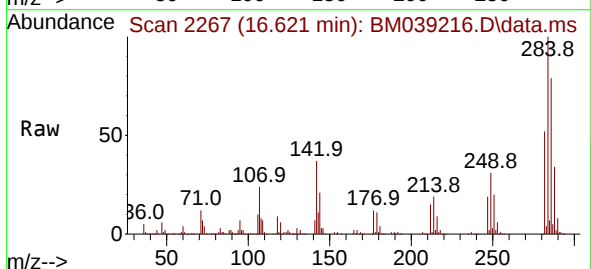
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

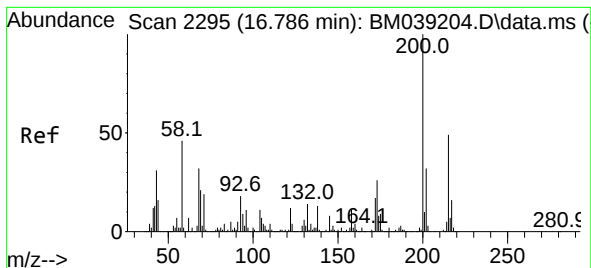
Tgt Ion:248 Resp: 503950  
Ion Ratio Lower Upper  
248 100  
250 96.5 78.8 118.2  
141 72.7 58.8 88.2



#68  
Hexachlorobenzene  
Concen: 58.989 ng  
RT: 16.621 min Scan# 2267  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:284 Resp: 574612  
Ion Ratio Lower Upper  
284 100  
142 36.9 27.4 41.2  
249 30.6 24.4 36.6





#69

Atrazine

Concen: 58.539 ng

RT: 16.786 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

Instrument :

BNA\_M

ClientSampleId :

PB151721BS

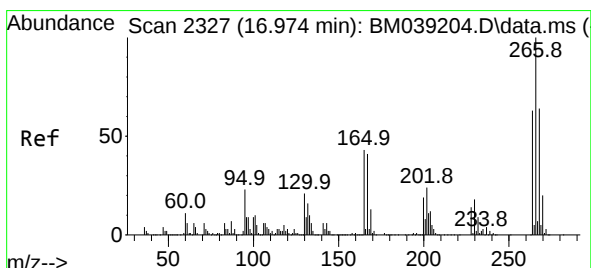
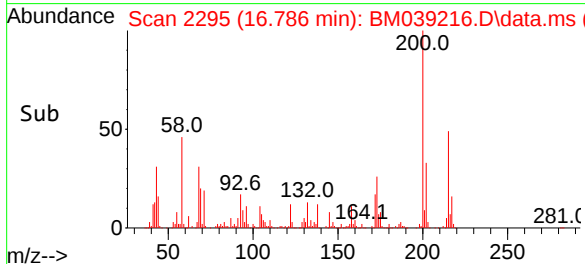
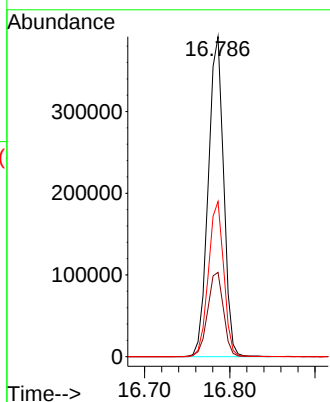
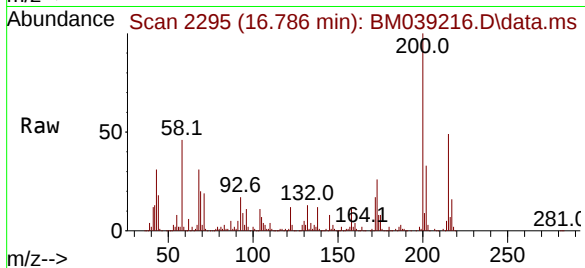
Tgt Ion:200 Resp: 491480

Ion Ratio Lower Upper

200 100

173 26.3 6.4 46.4

215 48.5 28.9 68.9



#70

Pentachlorophenol

Concen: 106.575 ng

RT: 16.968 min Scan# 2326

Delta R.T. -0.006 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

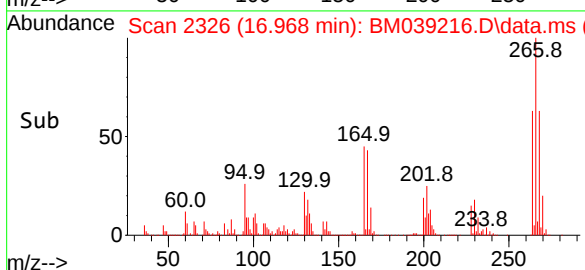
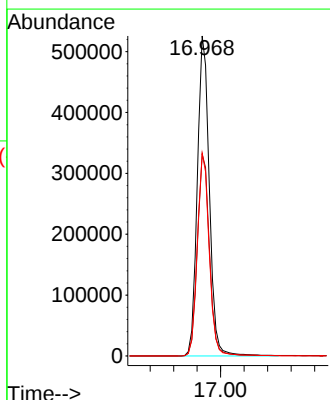
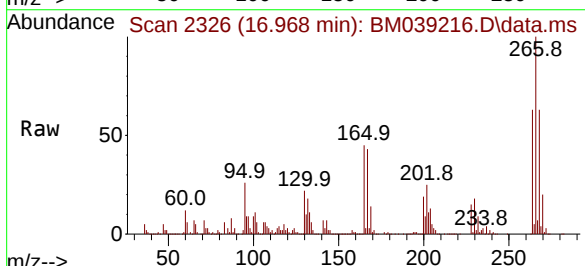
Tgt Ion:266 Resp: 744823

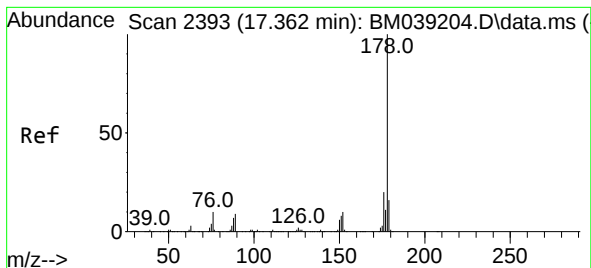
Ion Ratio Lower Upper

266 100

268 63.1 51.4 77.2

264 63.3 50.2 75.4





#71

Phenanthrene

Concen: 55.093 ng

RT: 17.363 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

Instrument :

BNA\_M

ClientSampleId :

PB151721BS

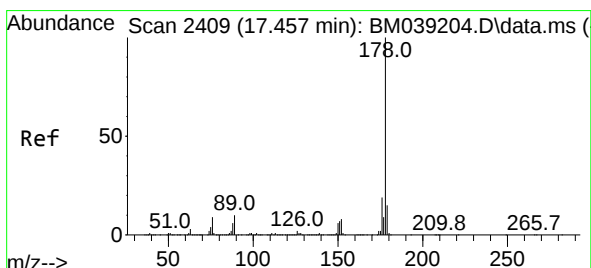
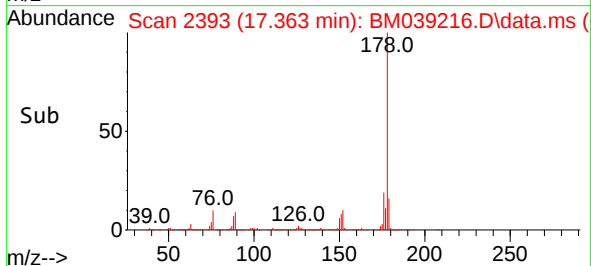
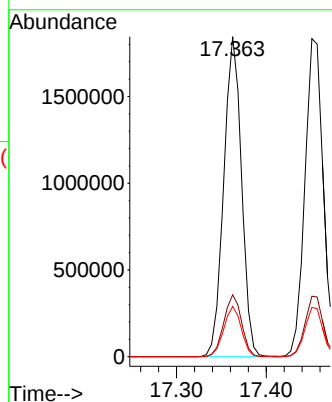
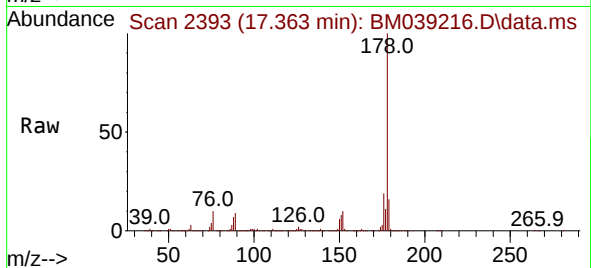
Tgt Ion:178 Resp: 2538248

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

179 15.7 12.4 18.6



#72

Anthracene

Concen: 55.504 ng

RT: 17.451 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

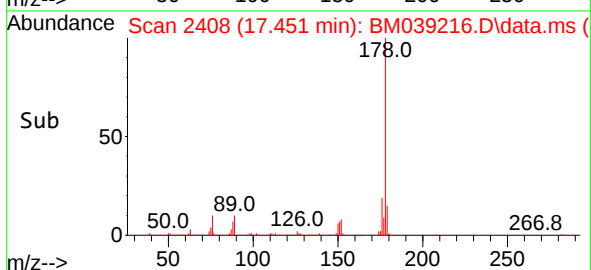
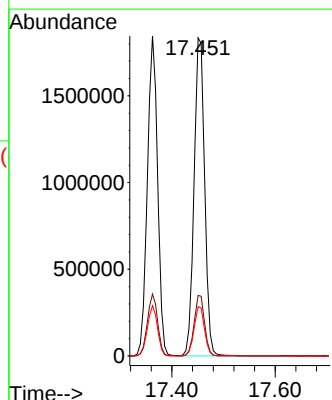
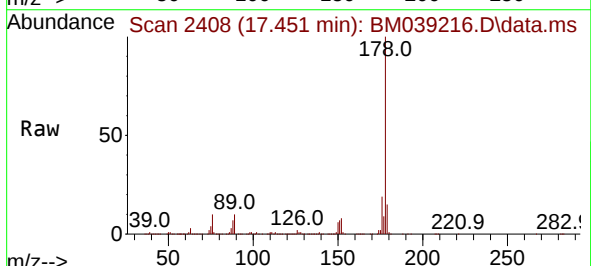
Tgt Ion:178 Resp: 2607520

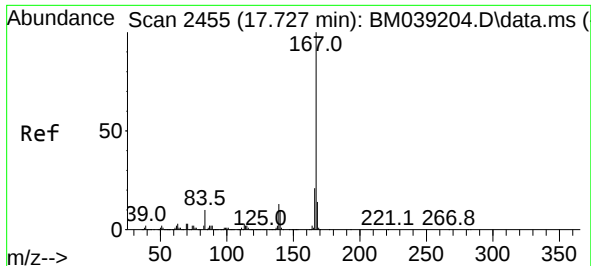
Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

179 15.5 12.2 18.2

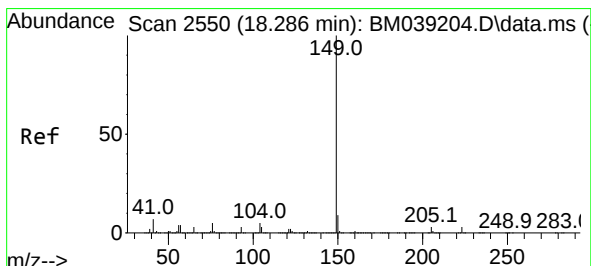
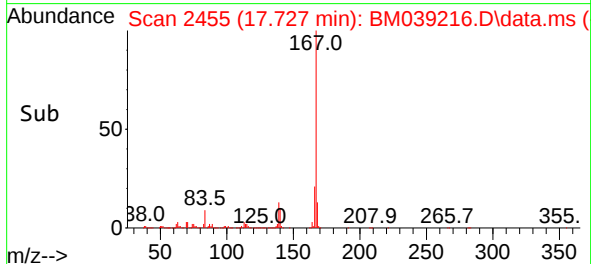
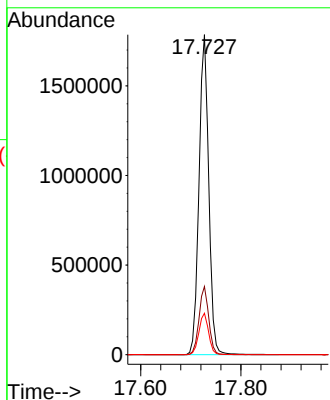
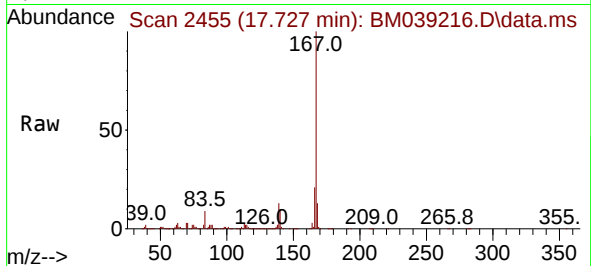




#73  
 Carbazole  
 Concen: 54.547 ng  
 RT: 17.727 min Scan# 2455  
 Delta R.T. 0.000 min  
 Lab File: BM039216.D  
 Acq: 29 Mar 2023 22:09

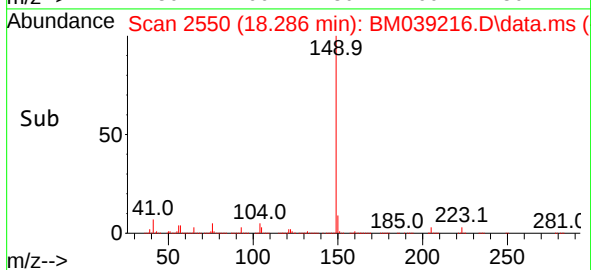
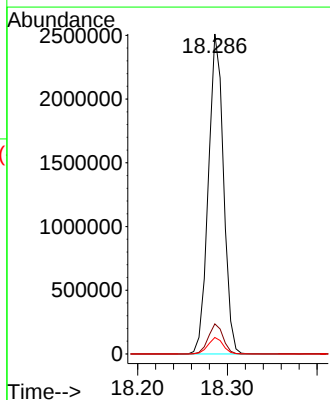
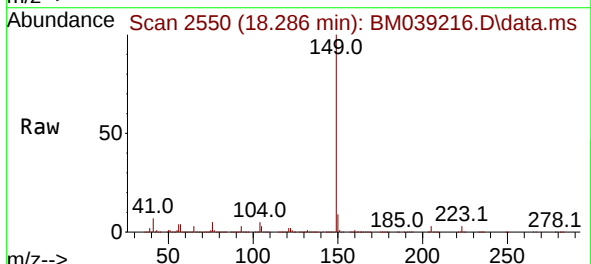
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151721BS

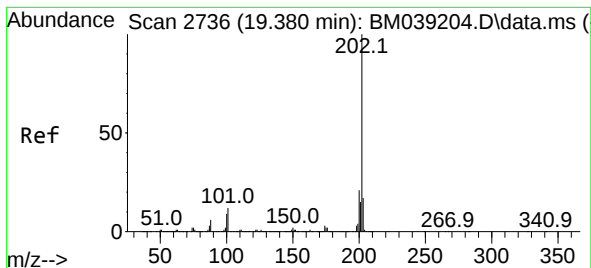
Tgt Ion:167 Resp: 2394490  
 Ion Ratio Lower Upper  
 167 100  
 166 21.3 17.2 25.8  
 139 12.9 10.6 16.0



#74  
 Di-n-butylphthalate  
 Concen: 54.070 ng  
 RT: 18.286 min Scan# 2550  
 Delta R.T. 0.000 min  
 Lab File: BM039216.D  
 Acq: 29 Mar 2023 22:09

Tgt Ion:149 Resp: 2936124  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.5 11.3  
 104 5.2 4.1 6.1





#75

Fluoranthene

Concen: 51.587 ng

RT: 19.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

Instrument :

BNA\_M

ClientSampleId :

PB151721BS

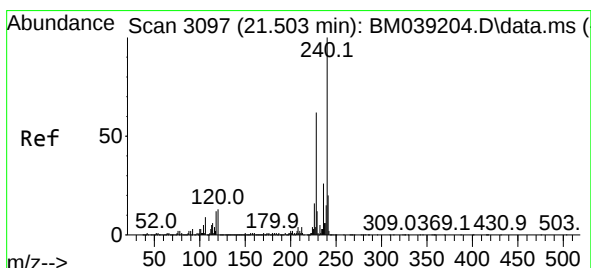
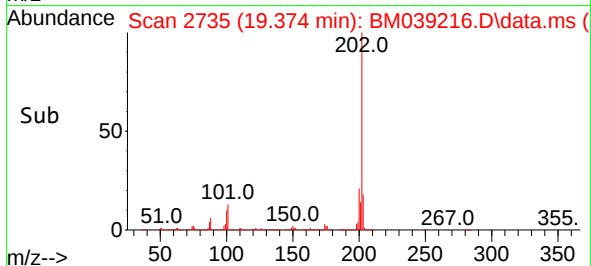
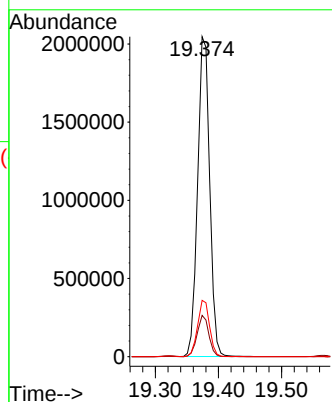
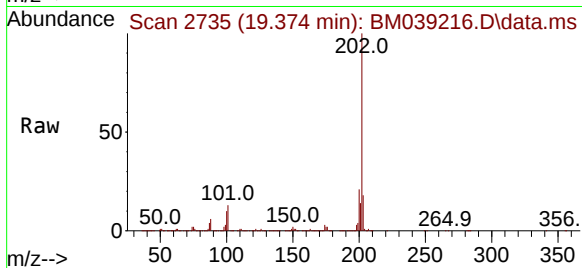
Tgt Ion:202 Resp: 2709269

Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.5

203 17.6 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 3097

Delta R.T. 0.000 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

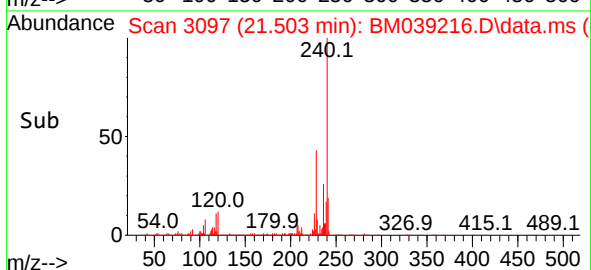
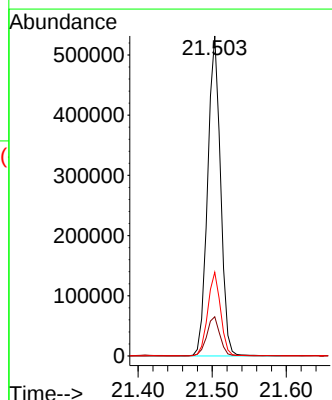
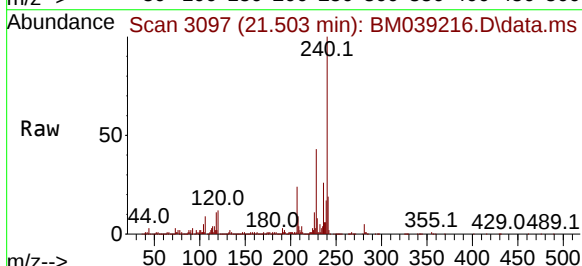
Tgt Ion:240 Resp: 642581

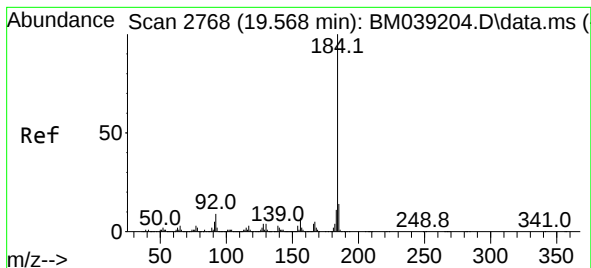
Ion Ratio Lower Upper

240 100

120 12.3 10.2 15.2

236 26.1 20.9 31.3





#77

Benzidine

Concen: 93.545 ng

RT: 19.562 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

Instrument :

BNA\_M

ClientSampleId :

PB151721BS

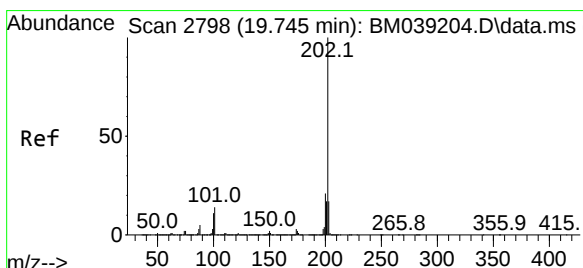
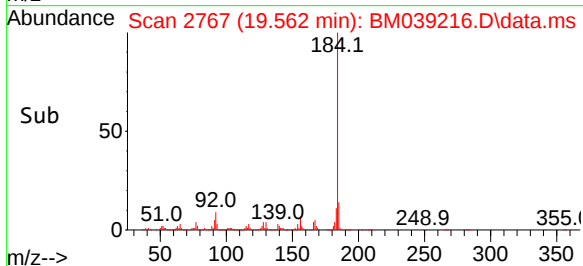
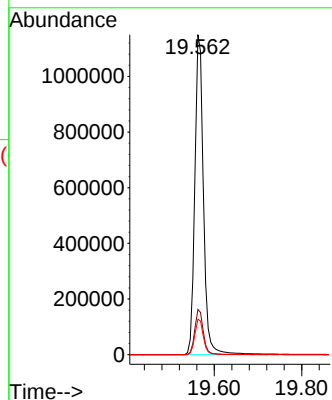
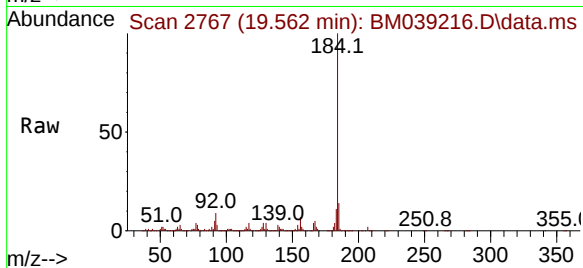
Tgt Ion:184 Resp: 1585495

Ion Ratio Lower Upper

184 100

185 14.1 11.4 17.0

183 11.1 9.0 13.4



#78

Pyrene

Concen: 62.022 ng

RT: 19.739 min Scan# 2797

Delta R.T. -0.006 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

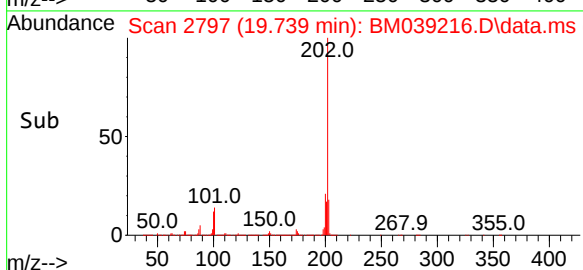
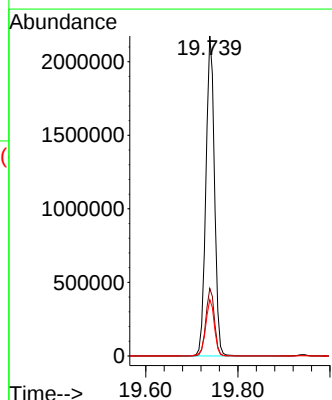
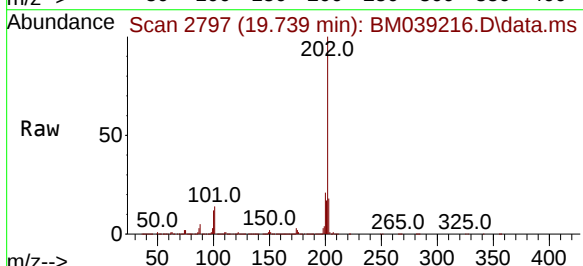
Tgt Ion:202 Resp: 2837197

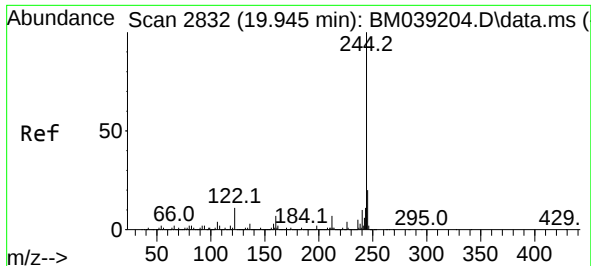
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 17.6 13.9 20.9

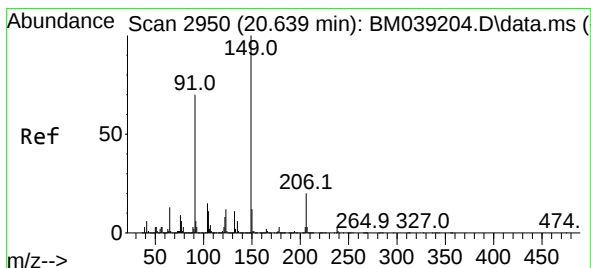
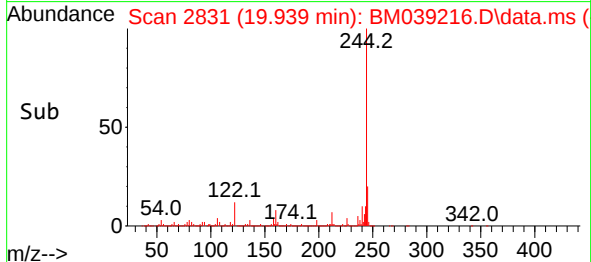
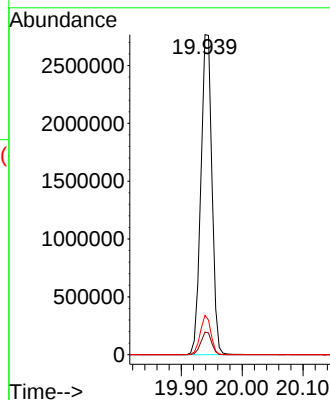
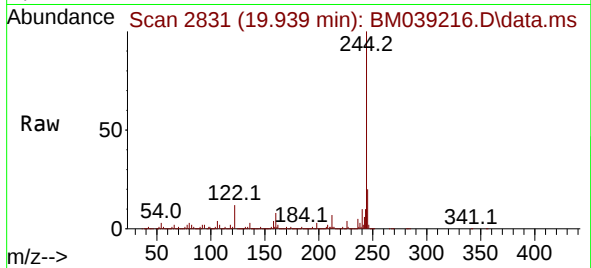




#79  
 Terphenyl-d14  
 Concen: 100.571 ng  
 RT: 19.939 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM039216.D  
 Acq: 29 Mar 2023 22:09

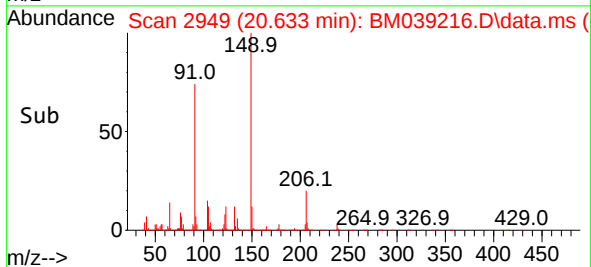
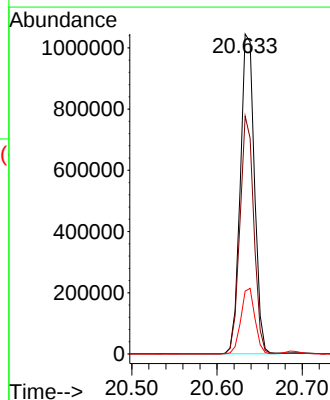
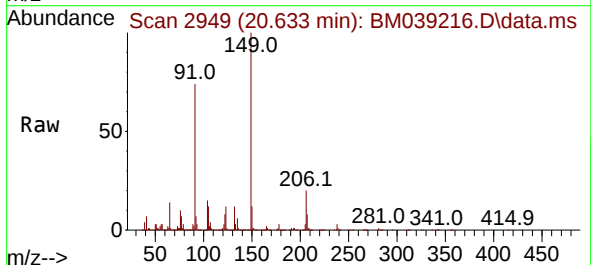
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151721BS

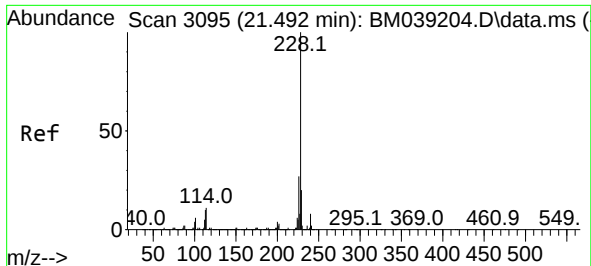
Tgt Ion:244 Resp: 3497856  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.6 8.4  
 122 12.3 9.1 13.7



#80  
 Butylbenzylphthalate  
 Concen: 57.472 ng  
 RT: 20.633 min Scan# 2949  
 Delta R.T. -0.006 min  
 Lab File: BM039216.D  
 Acq: 29 Mar 2023 22:09

Tgt Ion:149 Resp: 1204434  
 Ion Ratio Lower Upper  
 149 100  
 91 74.3 56.3 84.5  
 206 19.6 16.4 24.6

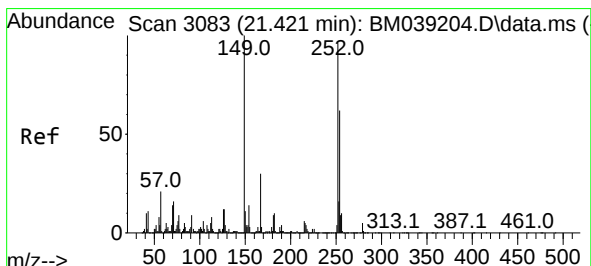
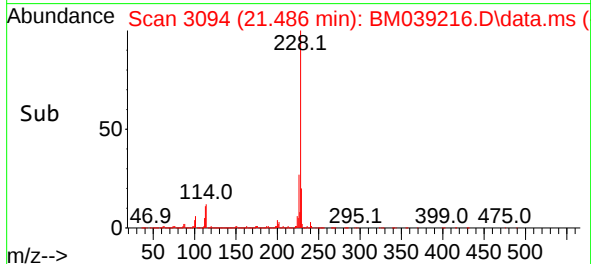
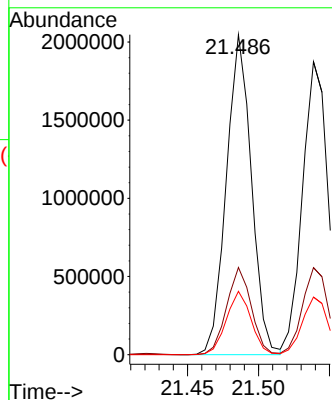
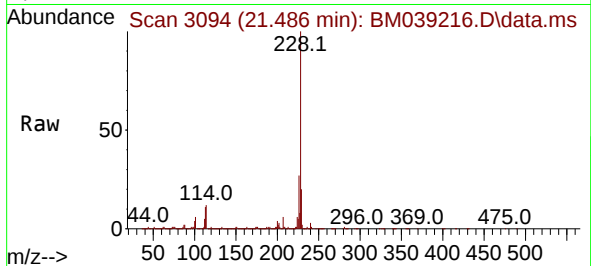




#81  
Benzo(a)anthracene  
Concen: 55.355 ng  
RT: 21.486 min Scan# 3094  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

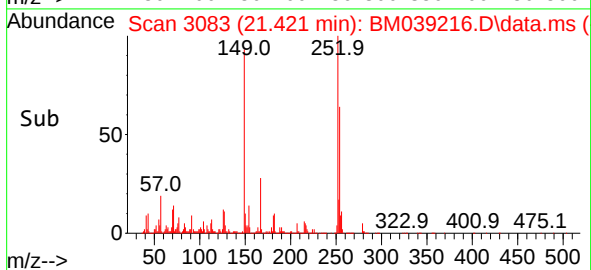
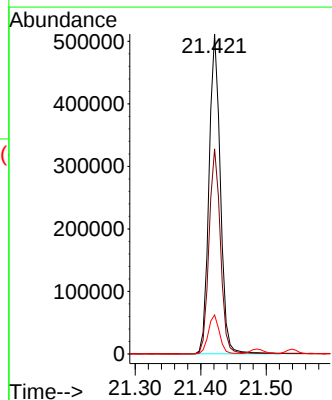
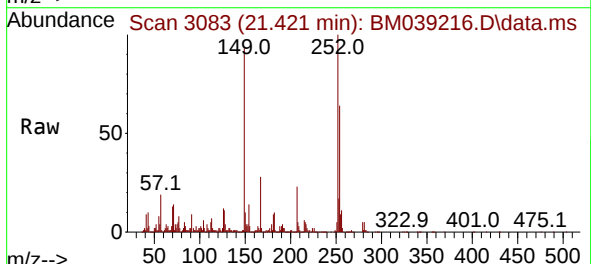
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

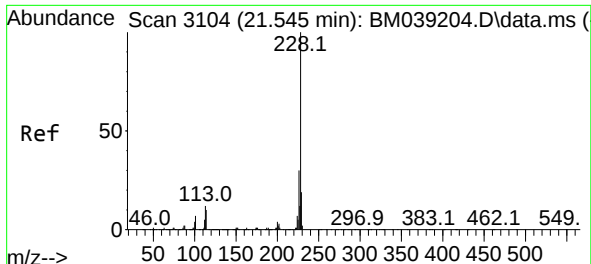
Tgt Ion:228 Resp: 2508621  
Ion Ratio Lower Upper  
228 100  
226 27.2 21.9 32.9  
229 19.8 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 40.829 ng  
RT: 21.421 min Scan# 3083  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:252 Resp: 616391  
Ion Ratio Lower Upper  
252 100  
254 64.1 51.8 77.8  
126 12.2 10.1 15.1

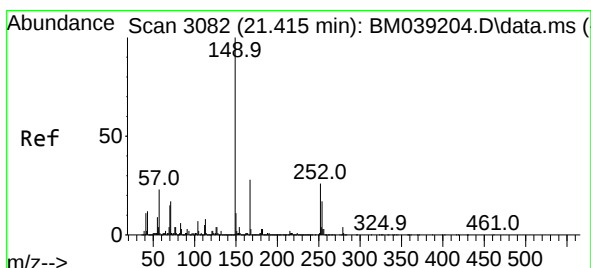
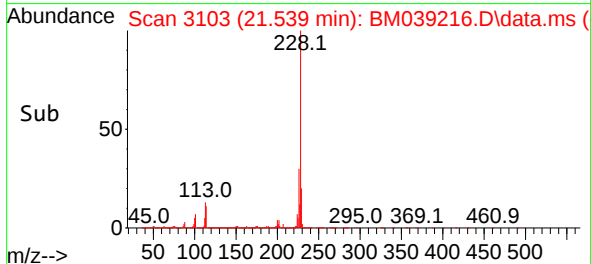
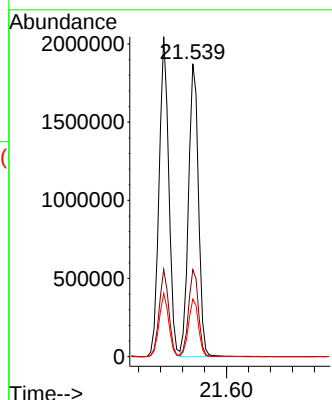
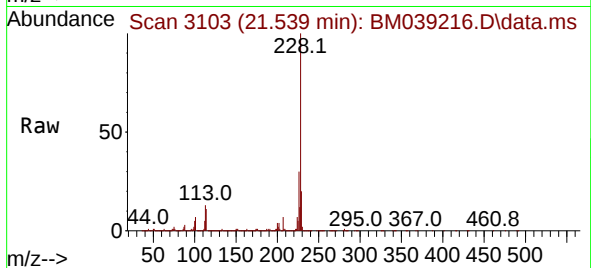




#83  
Chrysene  
Concen: 53.577 ng  
RT: 21.539 min Scan# 3103  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

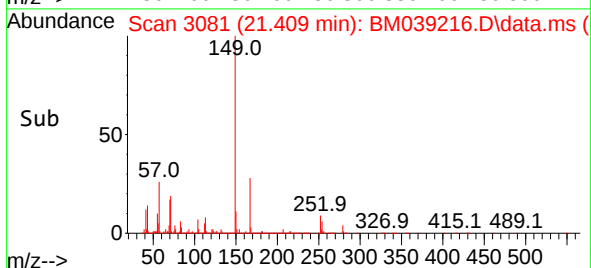
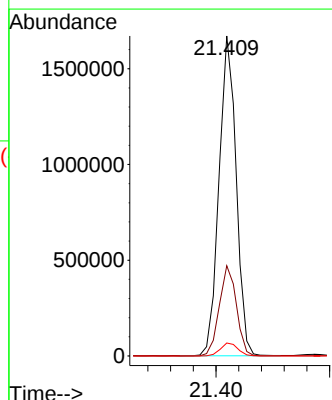
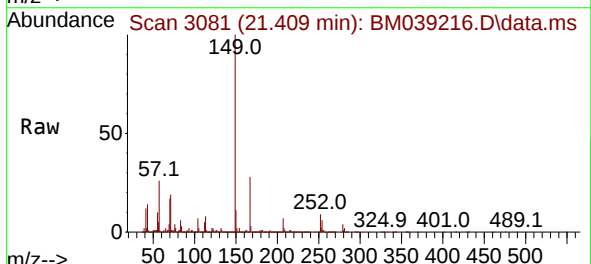
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

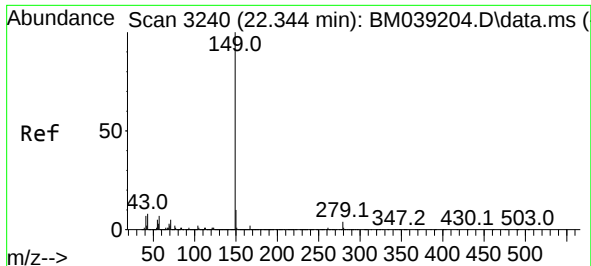
Tgt Ion:228 Resp: 2343943  
Ion Ratio Lower Upper  
228 100  
226 29.7 24.1 36.1  
229 19.7 15.5 23.3



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 56.610 ng  
RT: 21.409 min Scan# 3081  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:149 Resp: 1752164  
Ion Ratio Lower Upper  
149 100  
167 28.2 22.3 33.5  
279 4.1 3.4 5.2

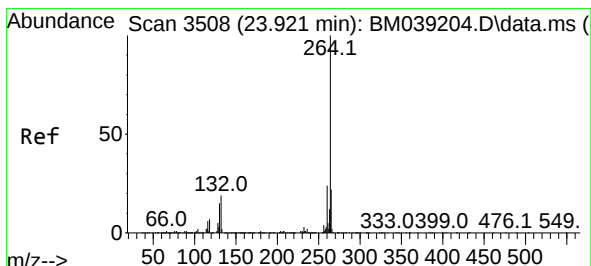
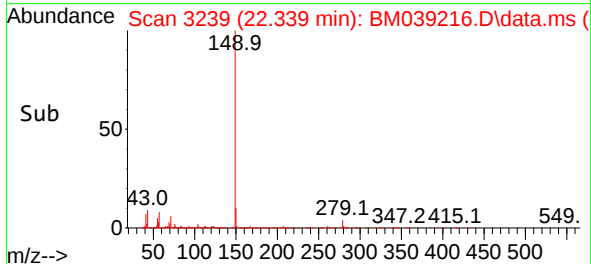
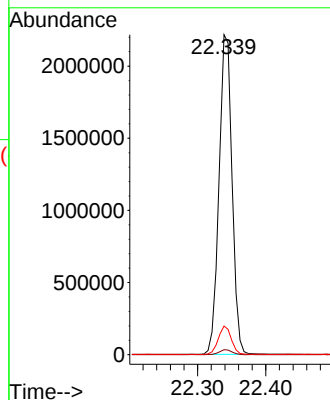
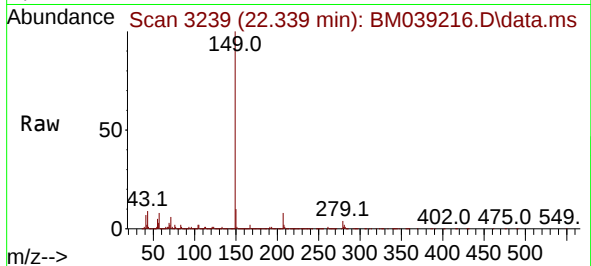




#85  
Di-n-octyl phthalate  
Concen: 52.920 ng  
RT: 22.339 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

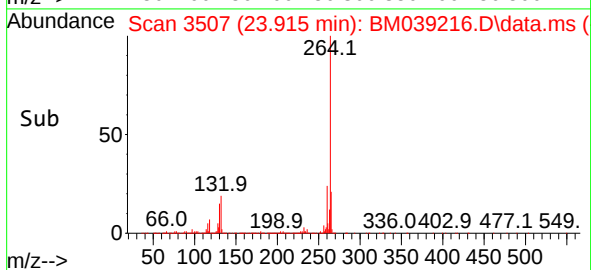
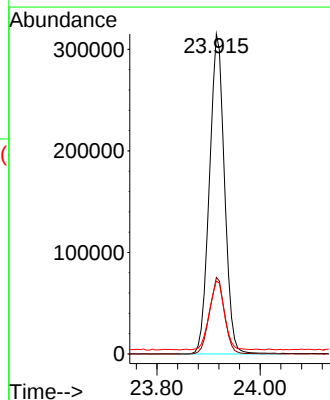
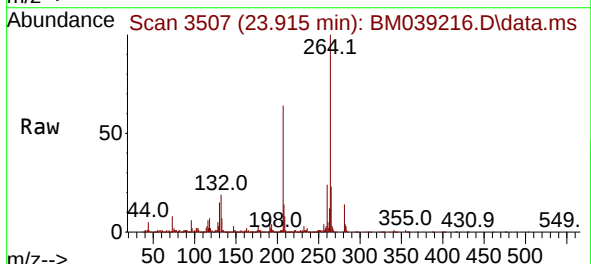
Instrument :  
BNA\_M  
ClientSampleId :  
PB151721BS

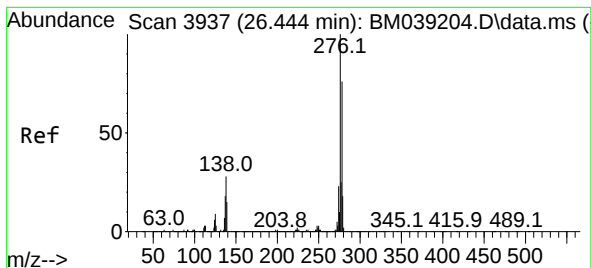
Tgt Ion:149 Resp: 2951072  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 8.8 6.9 10.3



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.915 min Scan# 3507  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:264 Resp: 638215  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.0 28.6  
265 22.8 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 54.081 ng

RT: 26.433 min Scan# 3935

Delta R.T. -0.012 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

Instrument :

BNA\_M

ClientSampleId :

PB151721BS

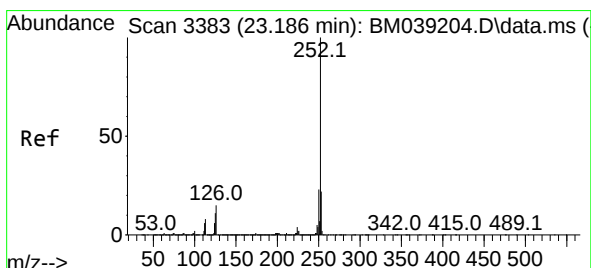
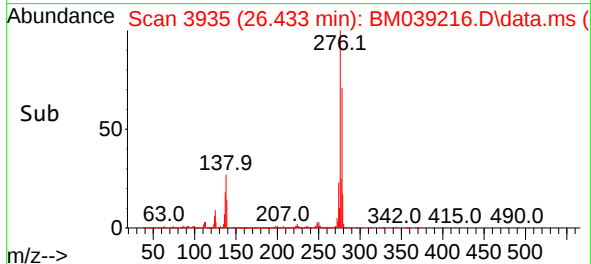
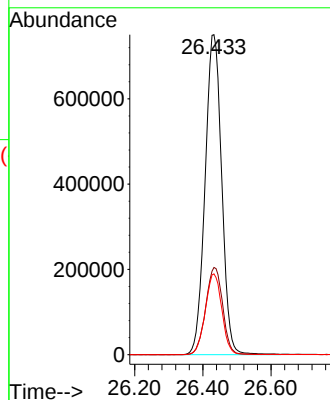
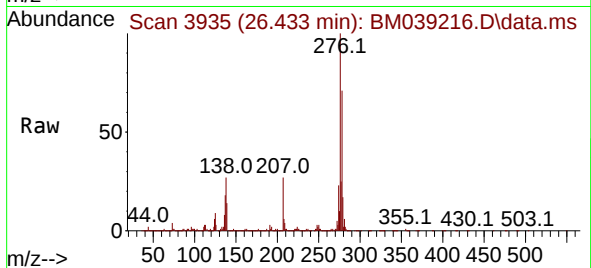
Tgt Ion:276 Resp: 2543059

Ion Ratio Lower Upper

276 100

138 28.0 22.2 33.2

277 25.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 60.271 ng

RT: 23.180 min Scan# 3382

Delta R.T. -0.006 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

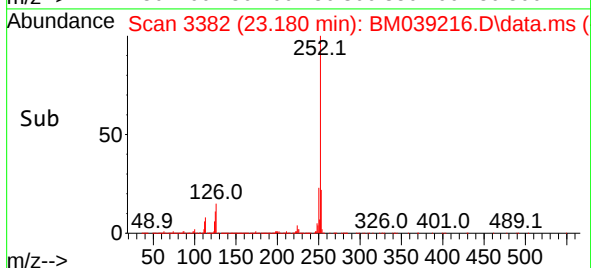
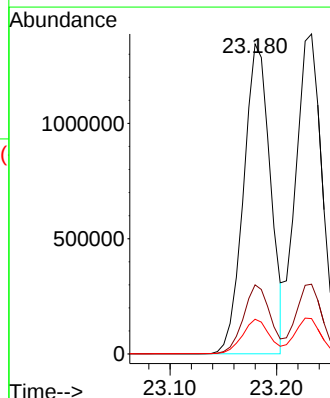
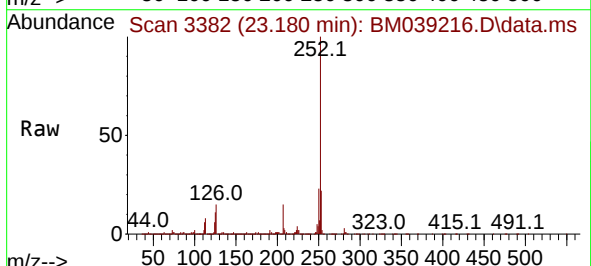
Tgt Ion:252 Resp: 2353657

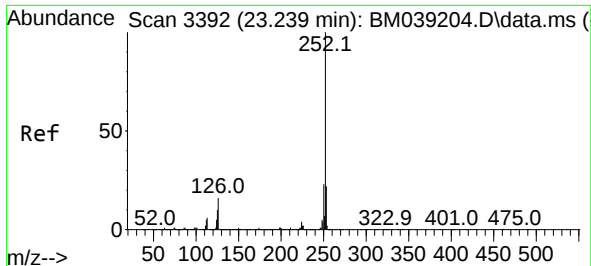
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 11.2 9.0 13.6

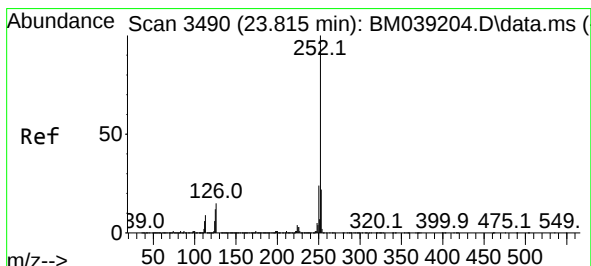
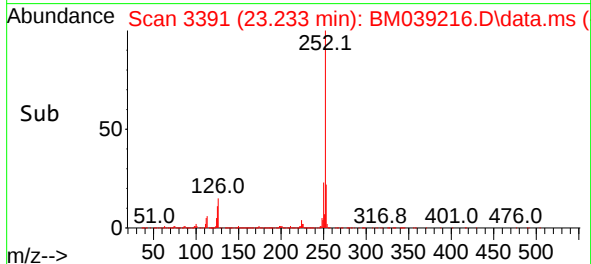
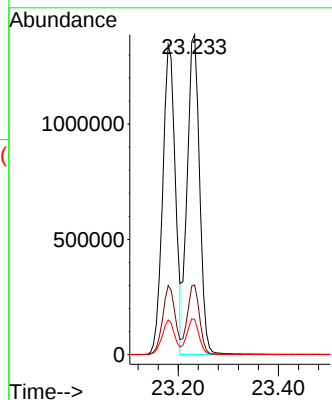
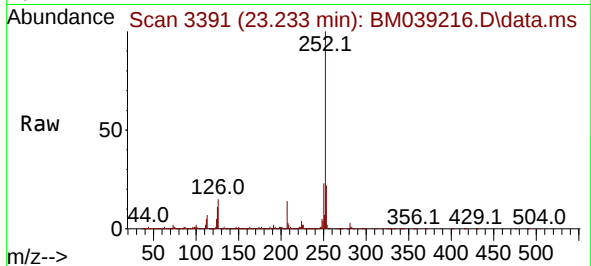




#89  
Benzo(k)fluoranthene  
Concen: 59.960 ng  
RT: 23.233 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

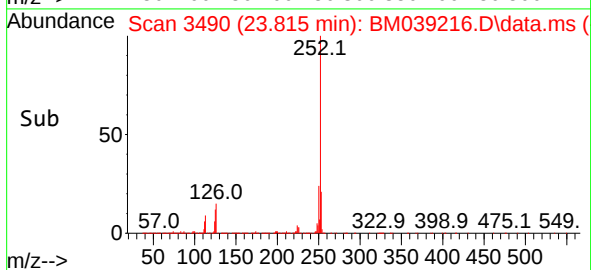
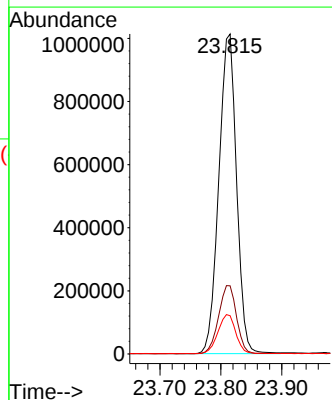
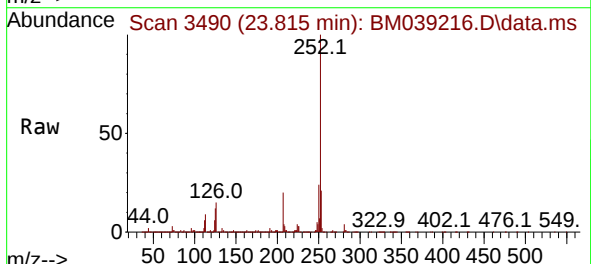
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ClientSampleId :  
PB151721BS

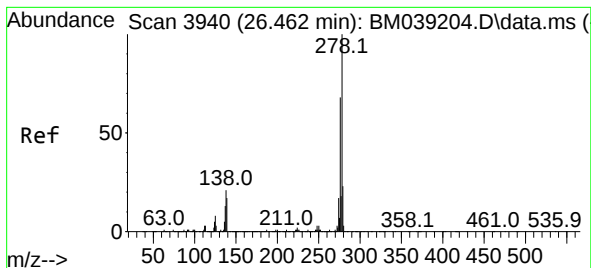
Tgt Ion:252 Resp: 2385061  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.8 26.8  
125 11.1 8.5 12.7



#90  
Benzo(a)pyrene  
Concen: 53.284 ng  
RT: 23.815 min Scan# 3490  
Delta R.T. 0.000 min  
Lab File: BM039216.D  
Acq: 29 Mar 2023 22:09

Tgt Ion:252 Resp: 2044100  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.6 26.4  
125 11.9 9.8 14.6





#91

Dibenzo(a,h)anthracene

Concen: 54.030 ng

RT: 26.450 min Scan# 3940

Delta R.T. -0.012 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

Instrument :

BNA\_M

ClientSampleId :

PB151721BS

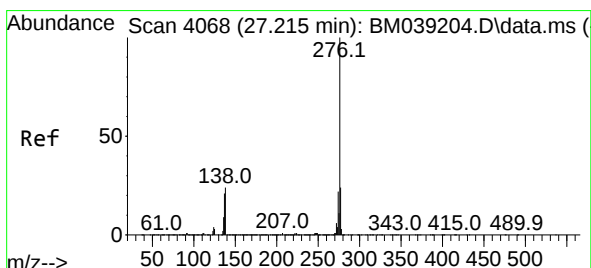
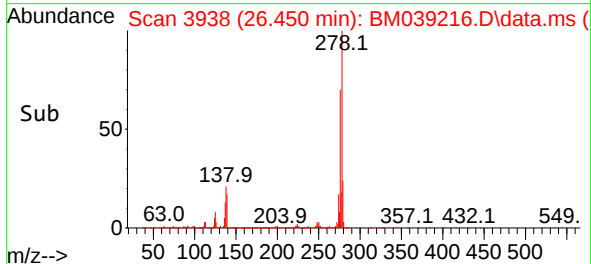
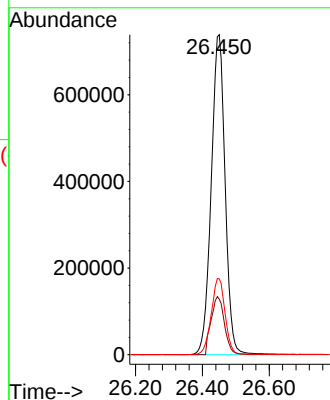
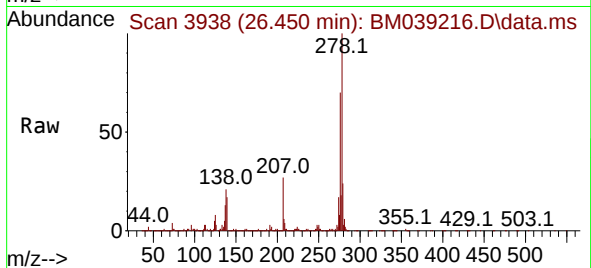
Tgt Ion:278 Resp: 2133374

Ion Ratio Lower Upper

278 100

139 17.4 13.9 20.9

279 23.7 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 52.815 ng

RT: 27.203 min Scan# 4066

Delta R.T. -0.012 min

Lab File: BM039216.D

Acq: 29 Mar 2023 22:09

Tgt Ion:276 Resp: 2050842

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 24.5 19.5 29.3

