

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032923\  
 Data File : BM032923.D  
 Acq On : 29 Mar 2023 20:55  
 Operator : CG/JU  
 Sample : PB151658BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151658BS

Quant Time: Mar 30 05:55:50 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  | 228969   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.739 | 136  | 865680   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.574 | 164  | 475791   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.321 | 188  | 915833   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.503 | 240  | 708453   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.915 | 264  | 710397   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 1833393  | 120.636 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.098  | 99   | 2311704  | 117.602 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.098  | 82   | 1384666  | 77.740  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.063 | 330  | 698490   | 115.650 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.198 | 172  | 2810441  | 80.033  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.939 | 244  | 3374723  | 88.008  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.352  | 88   | 282366   | 45.455  | ng    | 99       |
| 3) Pyridine                   | 3.757  | 79   | 709946   | 40.795  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.669  | 42   | 316893   | 46.366  | ng    | 100      |
| 6) Aniline                    | 7.251  | 93   | 993544   | 40.838  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.492  | 128  | 778057   | 50.020  | ng    | 99       |
| 9) Benzaldehyde               | 7.063  | 77   | 486537   | 43.462  | ng    | 99       |
| 10) Phenol                    | 7.122  | 94   | 987699   | 50.139  | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 7.351  | 93   | 767252   | 48.415  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.816  | 146  | 832106   | 50.442  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.963  | 146  | 838783   | 50.286  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.281  | 146  | 799898   | 50.151  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.175  | 79   | 644909   | 47.700  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 8.463  | 45   | 988752   | 48.779  | ng    | 100      |
| 17) 2-Methylphenol            | 8.375  | 107  | 634571   | 46.043  | ng    | 99       |
| 18) Hexachloroethane          | 9.010  | 117  | 325260   | 50.410  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.739  | 70   | 575394   | 45.791  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.710  | 107  | 850891   | 45.945  | ng    | 99       |
| 22) Acetophenone              | 8.757  | 105  | 1140731  | 49.284  | ng    | # 99     |
| 24) Nitrobenzene              | 9.139  | 77   | 847316   | 47.827  | ng    | 99       |
| 25) Isophorone                | 9.669  | 82   | 1547374  | 46.568  | ng    | 100      |
| 26) 2-Nitrophenol             | 9.851  | 139  | 409593   | 50.014  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.916  | 122  | 699246   | 51.388  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.151 | 93   | 977948   | 48.619  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.386 | 162  | 677471   | 51.029  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.598 | 180  | 716650   | 50.457  | ng    | 99       |
| 31) Naphthalene               | 10.786 | 128  | 2244689  | 48.122  | ng    | 100      |
| 32) Benzoic acid              | 10.069 | 122  | 495860   | 46.755  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.904 | 127  | 370706   | 18.140  | ng    | 100      |
| 34) Hexachlorobutadiene       | 11.069 | 225  | 411797   | 49.307  | ng    | 99       |
| 35) Caprolactam               | 11.698 | 113  | 207052   | 44.916  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 12.033 | 107  | 706250   | 48.215  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.398 | 142  | 1482403  | 45.651  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.616 | 142  | 1387926  | 45.647  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.769 | 216  | 753937   | 52.045  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.745 | 237  | 1076376  | 136.010 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 13.010 | 196  | 501683   | 50.781  | ng    | 98       |

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 Response via : Initial Calibration

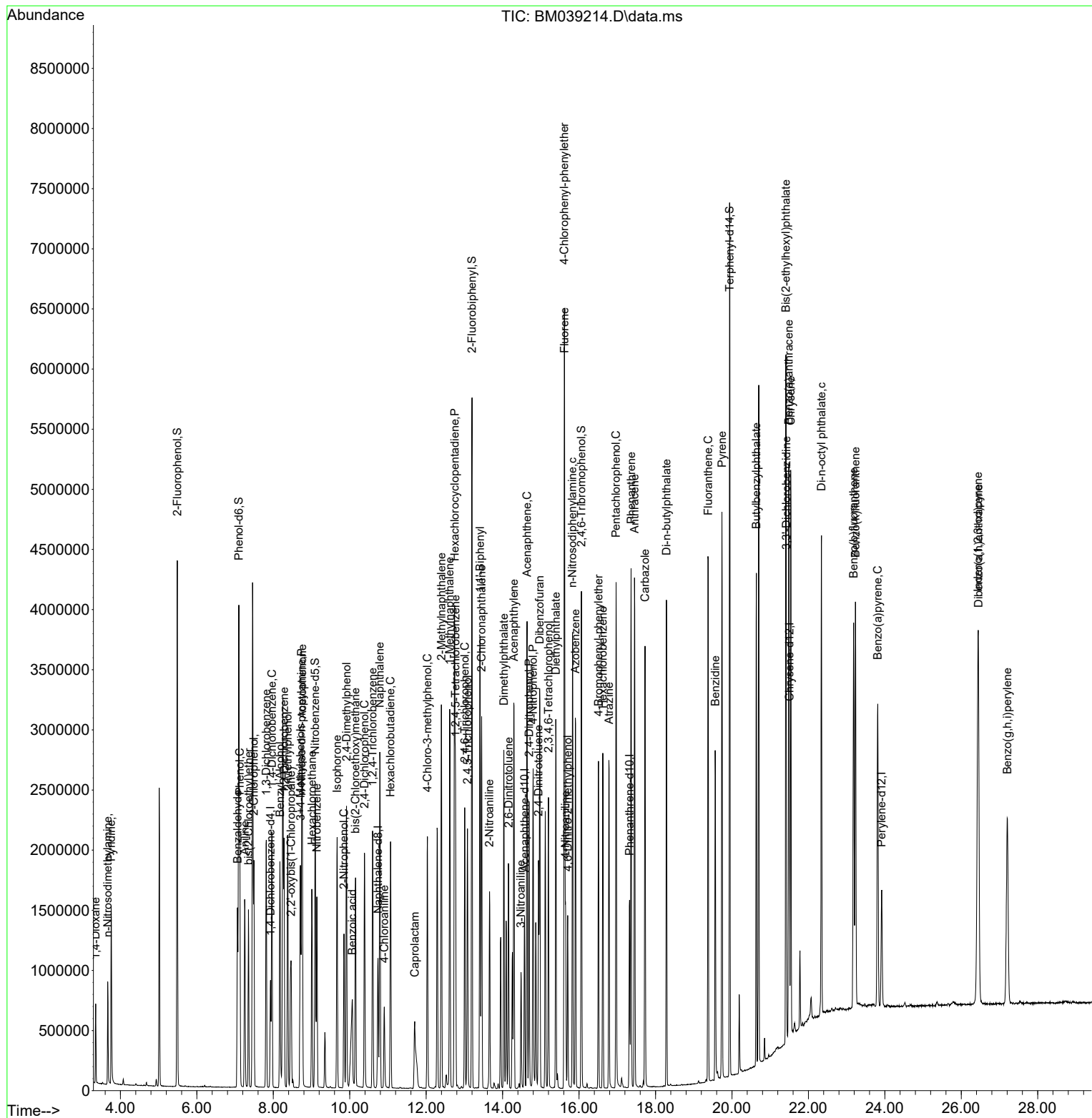
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.080 | 196  | 537341   | 46.396  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.410 | 154  | 1917742  | 51.042  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.451 | 162  | 1458559  | 51.270  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.657 | 65   | 451888   | 47.202  | ng    | 99       |
| 49) Acenaphthylene            | 14.298 | 152  | 2263540  | 48.411  | ng    | 100      |
| 50) Dimethylphthalate         | 14.033 | 163  | 1704939  | 46.497  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.157 | 165  | 375853   | 47.665  | ng    | 98       |
| 52) Acenaphthene              | 14.639 | 154  | 1346514  | 48.771  | ng    | 100      |
| 53) 3-Nitroaniline            | 14.480 | 138  | 239509   | 26.274  | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 14.692 | 184  | 485651   | 104.000 | ng    | 98       |
| 55) Dibenzofuran              | 14.968 | 168  | 2088225  | 46.980  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.798 | 139  | 704264   | 100.189 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.939 | 165  | 510461   | 47.855  | ng    | 95       |
| 58) Fluorene                  | 15.621 | 166  | 1654030  | 46.993  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.198 | 232  | 447940   | 48.617  | ng    | 100      |
| 60) Diethylphthalate          | 15.392 | 149  | 1689098  | 45.766  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.615 | 204  | 821759   | 47.110  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.645 | 138  | 395868   | 42.318  | ng    | 98       |
| 63) Azobenzene                | 15.904 | 77   | 1759097  | 47.573  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.704 | 198  | 292004   | 48.465  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.827 | 169  | 1419066  | 49.172  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.510 | 248  | 484221   | 49.508  | ng    | 99       |
| 68) Hexachlorobenzene         | 16.621 | 284  | 546081   | 51.493  | ng    | 97       |
| 69) Atrazine                  | 16.786 | 200  | 468042   | 51.205  | ng    | 99       |
| 70) Pentachlorophenol         | 16.968 | 266  | 707714   | 93.015  | ng    | 98       |
| 71) Phenanthrene              | 17.362 | 178  | 2426552  | 48.377  | ng    | 100      |
| 72) Anthracene                | 17.451 | 178  | 2472982  | 48.352  | ng    | 99       |
| 73) Carbazole                 | 17.727 | 167  | 2279388  | 47.694  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.286 | 149  | 2804259  | 47.435  | ng    | 100      |
| 75) Fluoranthene              | 19.380 | 202  | 2598818  | 45.452  | ng    | 99       |
| 77) Benzidine                 | 19.562 | 184  | 1535936  | 82.195  | ng    | 100      |
| 78) Pyrene                    | 19.739 | 202  | 2697319  | 53.482  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.639 | 149  | 1172603  | 50.750  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.486 | 228  | 2409164  | 48.217  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.421 | 252  | 609277   | 36.606  | ng    | 99       |
| 83) Chrysene                  | 21.539 | 228  | 2272277  | 47.109  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.409 | 149  | 1686184  | 49.413  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.344 | 149  | 2850923  | 46.370  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 26.438 | 276  | 2474704  | 47.280  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.186 | 252  | 2328958  | 53.579  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.233 | 252  | 2261418  | 51.075  | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.815 | 252  | 1984441  | 46.473  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 26.450 | 278  | 2078848  | 47.299  | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 27.209 | 276  | 2016569  | 46.655  | ng    | 99       |

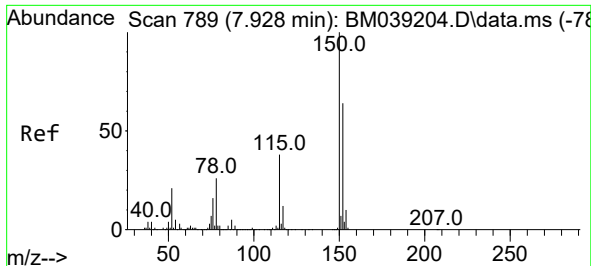
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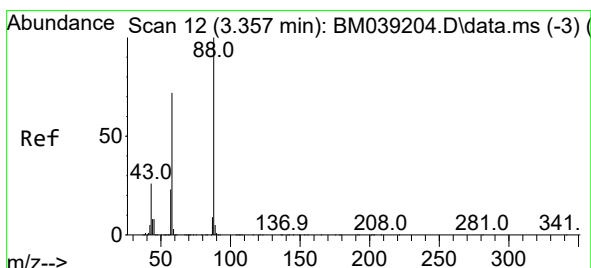
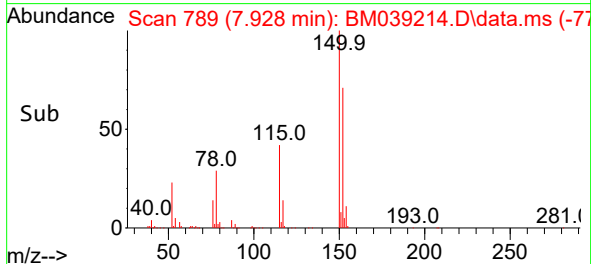
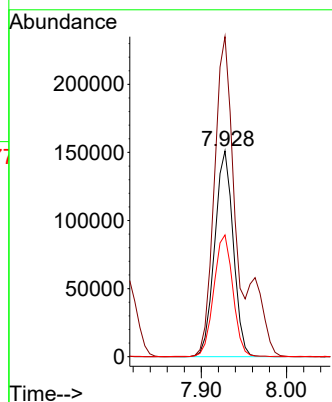
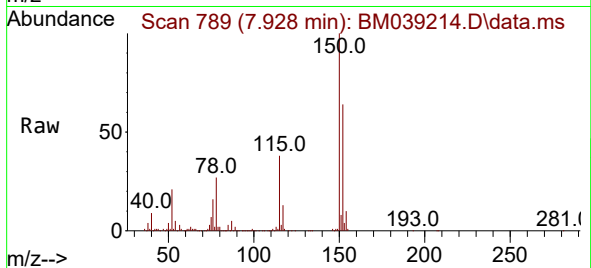




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.928 min Scan# 789  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

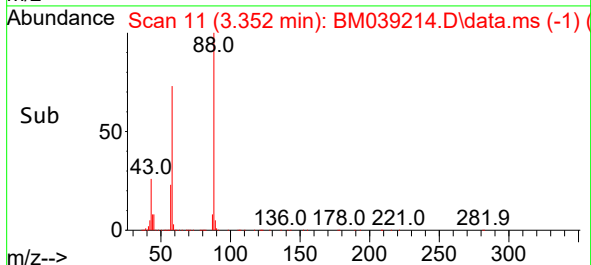
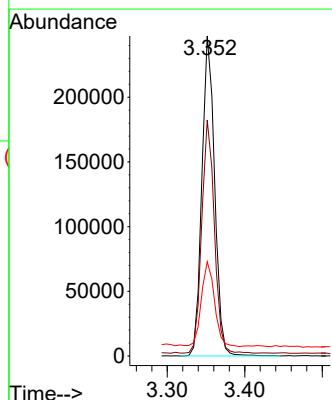
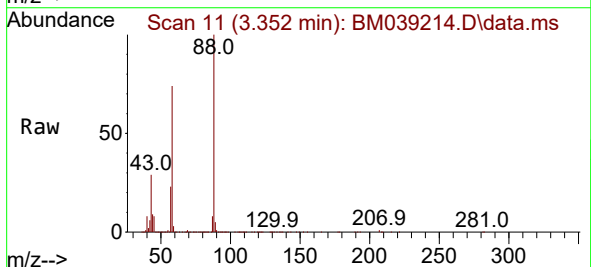
Instrument :  
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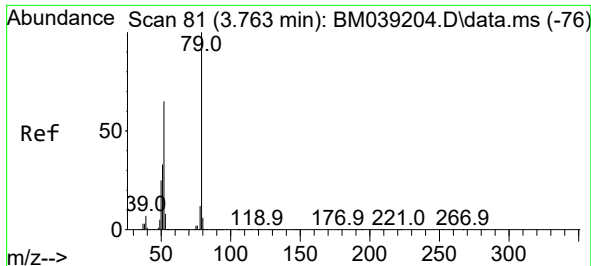
Tgt Ion:152 Resp: 228969  
Ion Ratio Lower Upper  
152 100  
150 155.5 125.5 188.3  
115 59.1 48.1 72.1



#2  
1,4-Dioxane  
Concen: 45.455 ng  
RT: 3.352 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion: 88 Resp: 282366  
Ion Ratio Lower Upper  
88 100  
58 72.0 57.9 86.9  
43 27.3 21.4 32.2



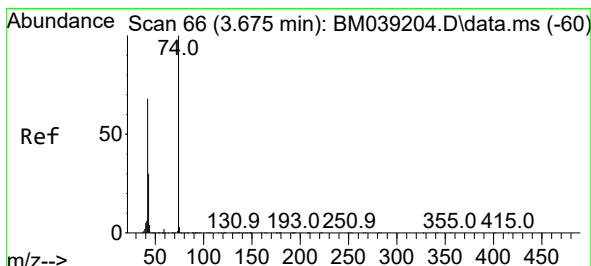
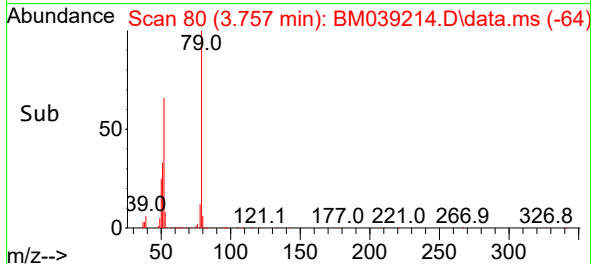
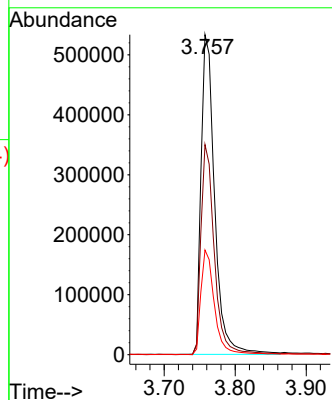
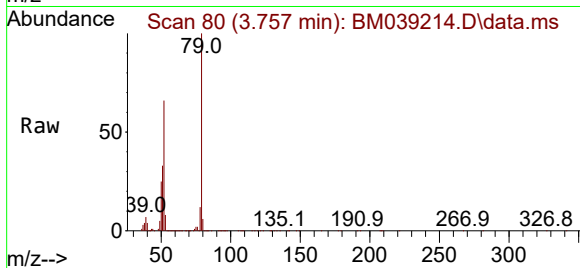


#3  
 Pyridine  
 Concen: 40.795 ng  
 RT: 3.757 min Scan# 80  
 Delta R.T. -0.006 min  
 Lab File: BM039214.D  
 Acq: 29 Mar 2023 20:55

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151658BS

Tgt Ion: 79 Resp: 709946  

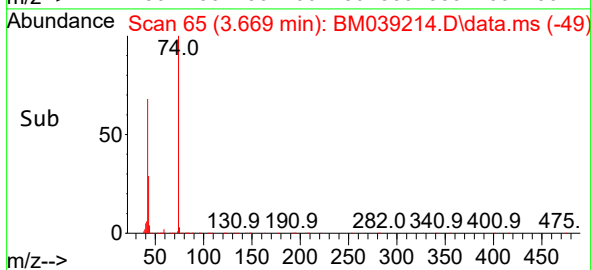
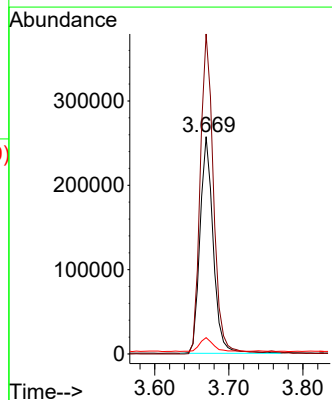
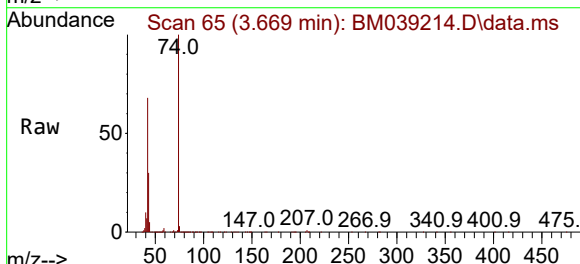
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 65.6  | 52.0  | 78.0  |
| 51  | 32.7  | 26.4  | 39.6  |

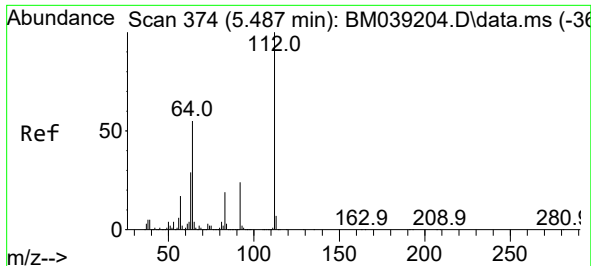


#4  
 n-Nitrosodimethylamine  
 Concen: 46.366 ng  
 RT: 3.669 min Scan# 65  
 Delta R.T. -0.006 min  
 Lab File: BM039214.D  
 Acq: 29 Mar 2023 20:55

Tgt Ion: 42 Resp: 316893  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 147.2 | 118.1 | 177.1 |
| 44  | 7.5   | 6.3   | 9.5   |

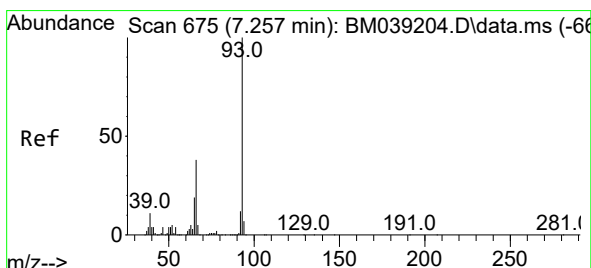
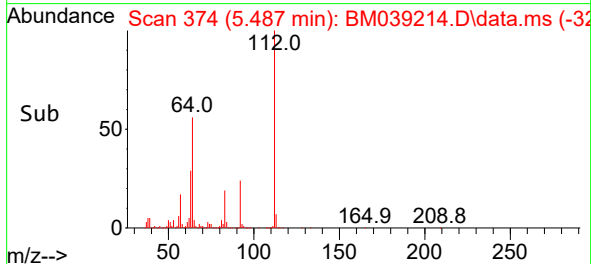
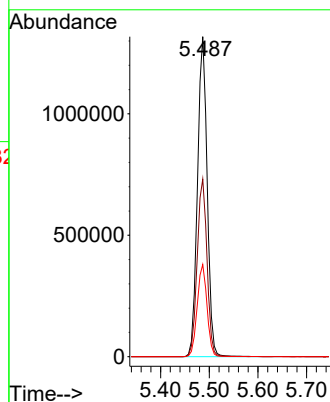
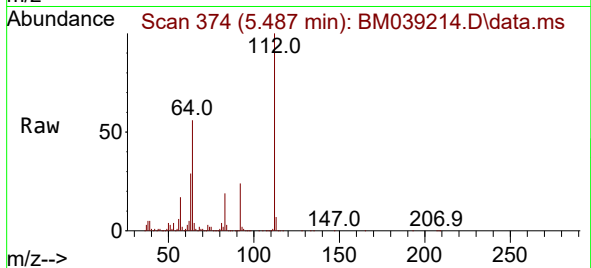




#5  
2-Fluorophenol  
Concen: 120.636 ng  
RT: 5.487 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

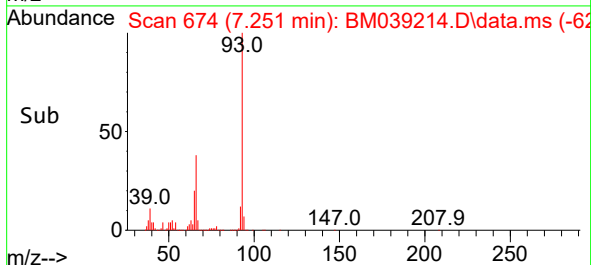
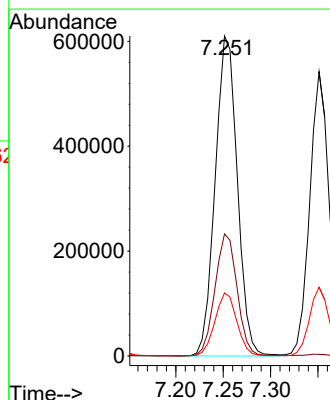
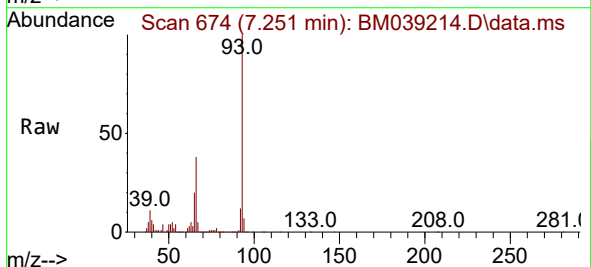
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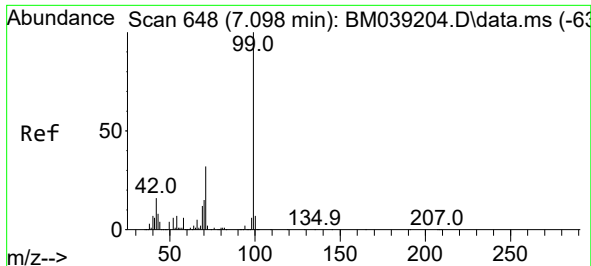
Tgt Ion:112 Resp: 1833393  
Ion Ratio Lower Upper  
112 100  
64 55.5 44.3 66.5  
63 28.8 23.0 34.6



#6  
Aniline  
Concen: 40.838 ng  
RT: 7.251 min Scan# 674  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion: 93 Resp: 993544  
Ion Ratio Lower Upper  
93 100  
66 38.1 30.1 45.1  
65 19.7 15.5 23.3

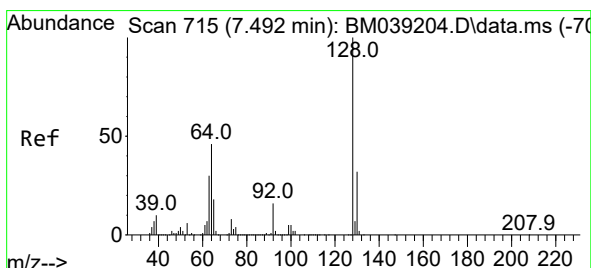
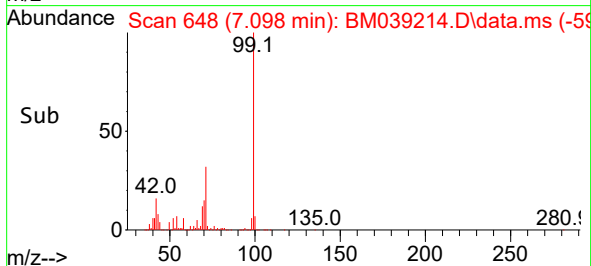
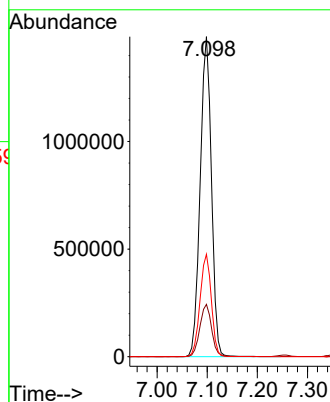
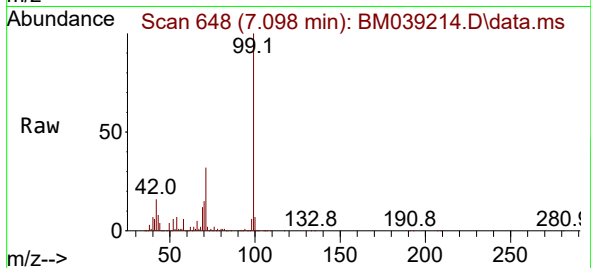




#7  
Phenol-d6  
Concen: 117.602 ng  
RT: 7.098 min Scan# 648  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

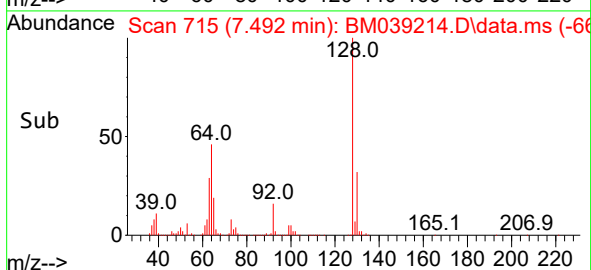
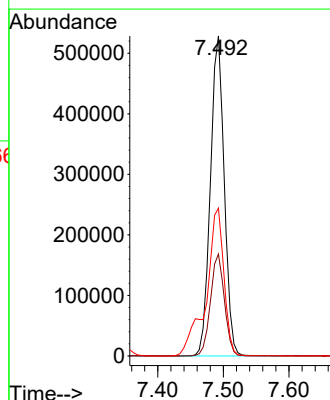
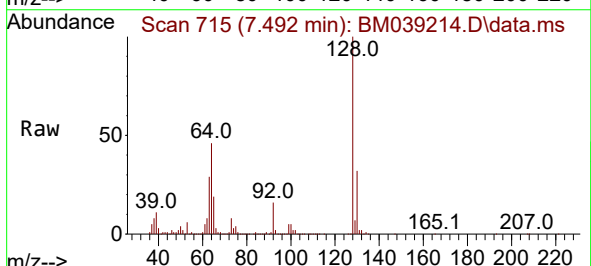
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

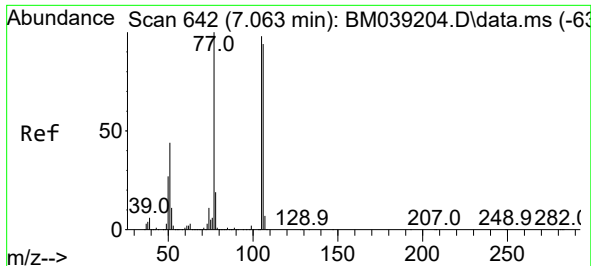
Tgt Ion: 99 Resp: 2311704  
Ion Ratio Lower Upper  
99 100  
42 16.3 13.0 19.6  
71 32.0 25.5 38.3



#8  
2-Chlorophenol  
Concen: 50.020 ng  
RT: 7.492 min Scan# 715  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:128 Resp: 778057  
Ion Ratio Lower Upper  
128 100  
130 31.8 12.2 52.2  
64 46.2 25.9 65.9

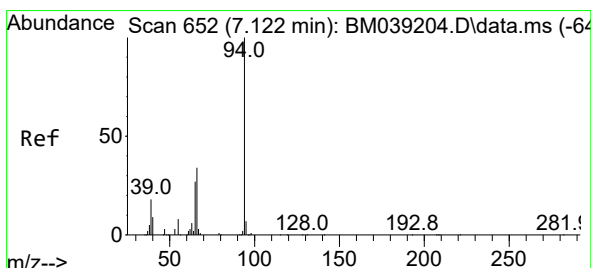
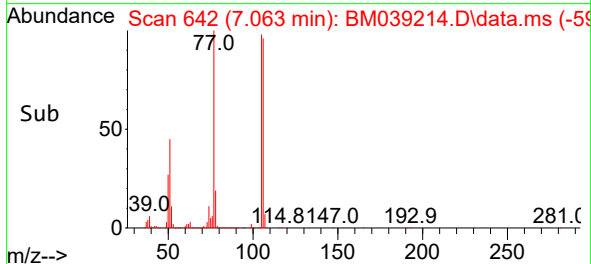
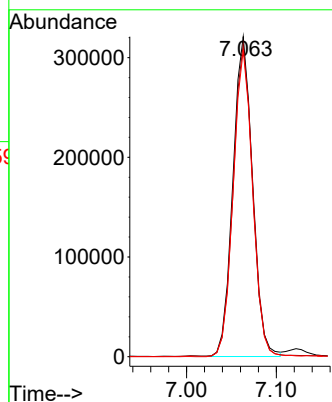
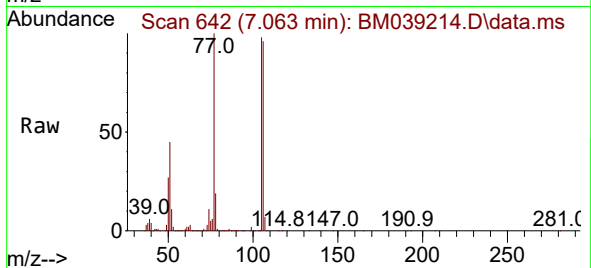




#9  
Benzaldehyde  
Concen: 43.462 ng  
RT: 7.063 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

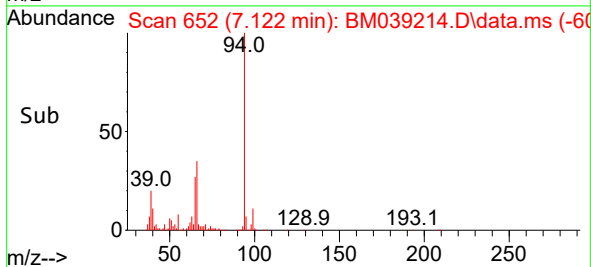
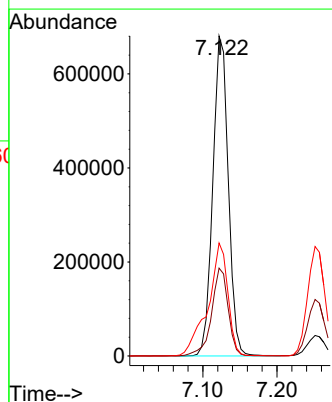
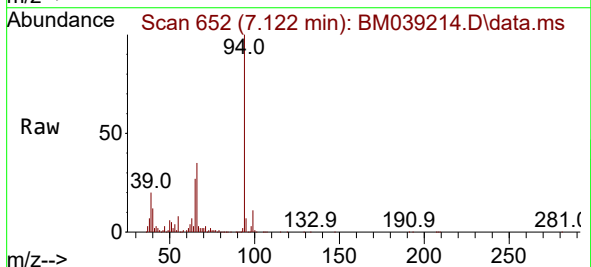
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

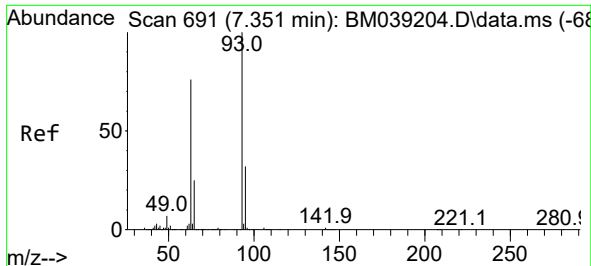
Tgt Ion: 77 Resp: 486537  
Ion Ratio Lower Upper  
77 100  
105 97.6 78.2 118.2  
106 95.8 73.8 113.8



#10  
Phenol  
Concen: 50.139 ng  
RT: 7.122 min Scan# 652  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion: 94 Resp: 987699  
Ion Ratio Lower Upper  
94 100  
65 27.5 7.2 47.2  
66 35.3 15.2 55.2

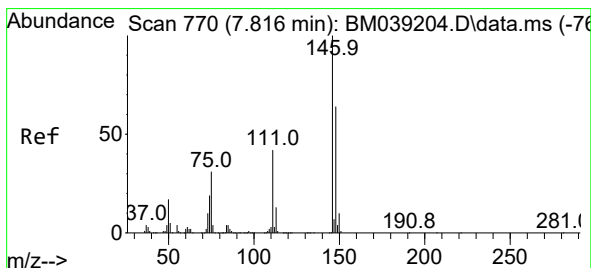
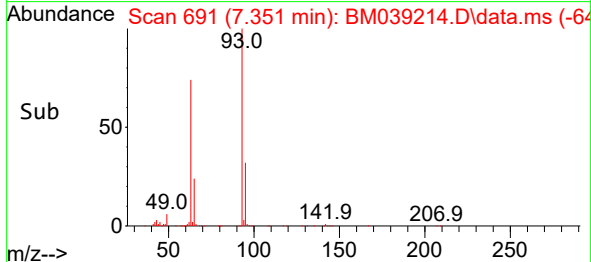
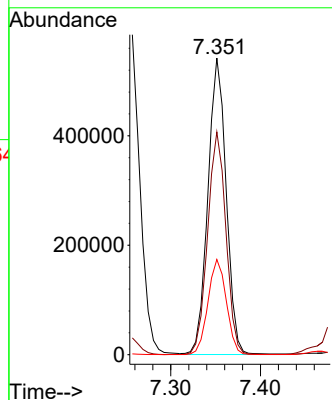
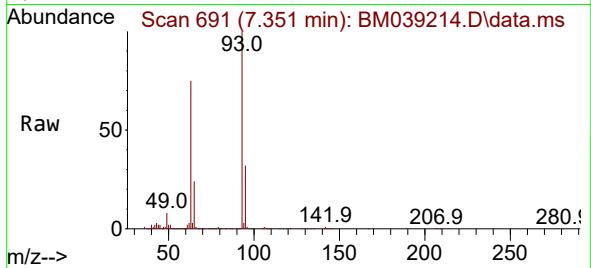




#11  
bis(2-Chloroethyl)ether  
Concen: 48.415 ng  
RT: 7.351 min Scan# 691  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

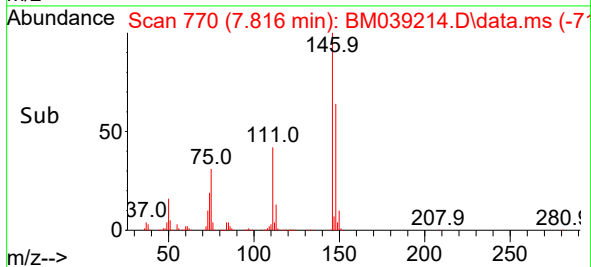
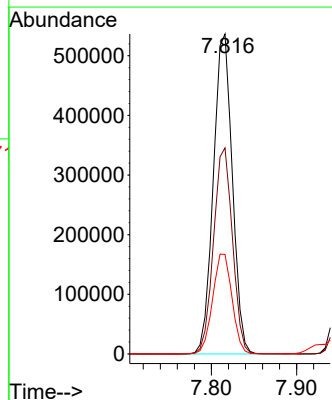
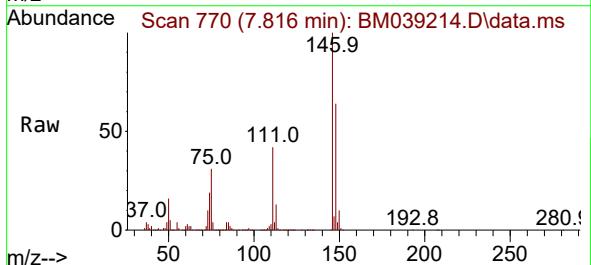
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

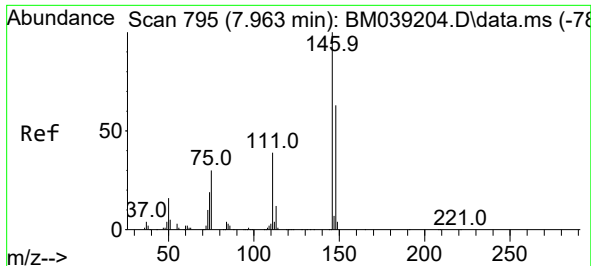
Tgt Ion: 93 Resp: 767252  
Ion Ratio Lower Upper  
93 100  
63 75.1 55.5 95.5  
95 32.1 12.2 52.2



#12  
1,3-Dichlorobenzene  
Concen: 50.442 ng  
RT: 7.816 min Scan# 770  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion: 146 Resp: 832106  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.2 76.8  
75 31.1 25.2 37.8

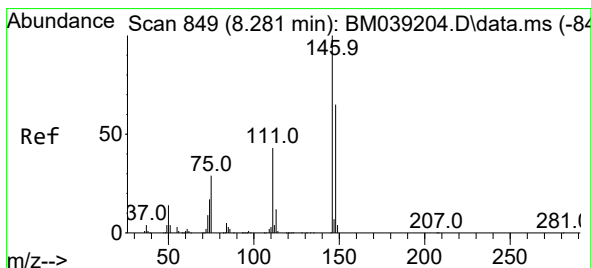
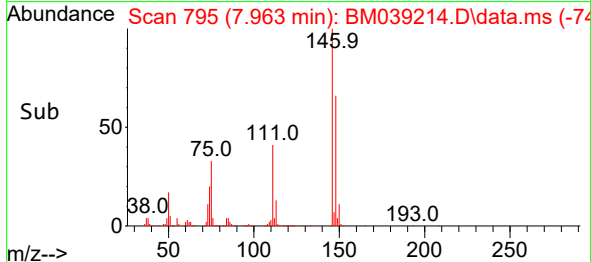
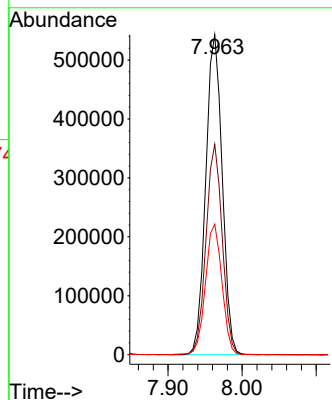
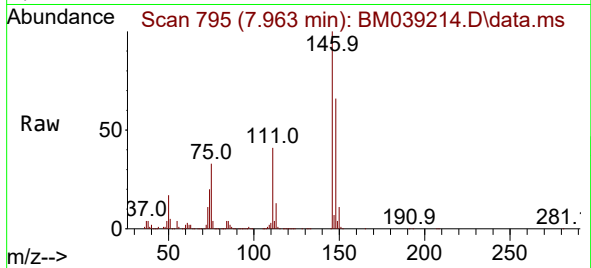




#13  
1,4-Dichlorobenzene  
Concen: 50.286 ng  
RT: 7.963 min Scan# 795  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

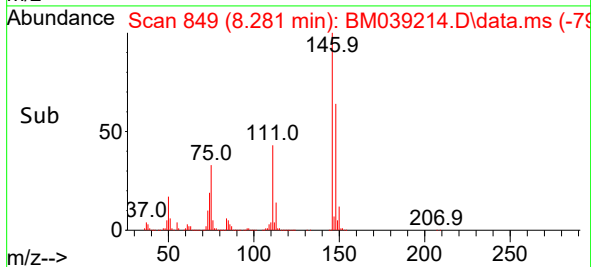
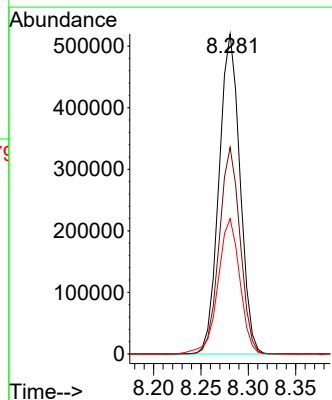
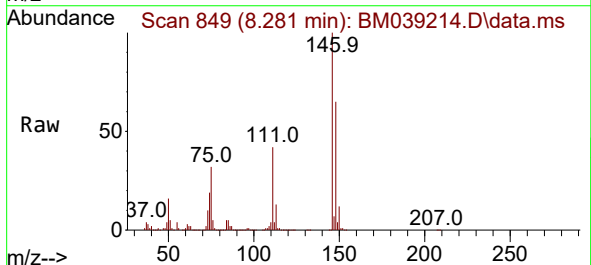
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

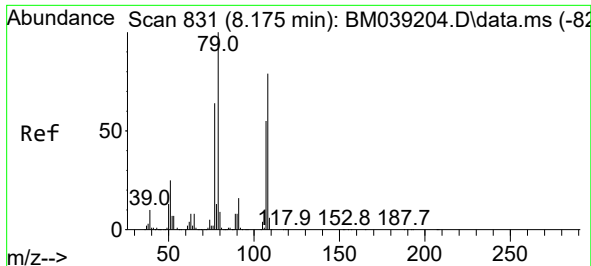
Tgt Ion:146 Resp: 838783  
Ion Ratio Lower Upper  
146 100  
148 65.7 50.8 76.2  
111 40.8 31.5 47.3



#14  
1,2-Dichlorobenzene  
Concen: 50.151 ng  
RT: 8.281 min Scan# 849  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:146 Resp: 799898  
Ion Ratio Lower Upper  
146 100  
148 64.6 52.1 78.1  
111 42.3 34.5 51.7

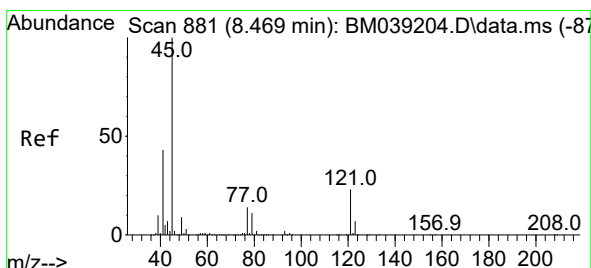
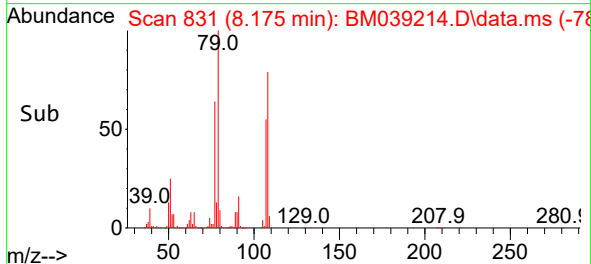
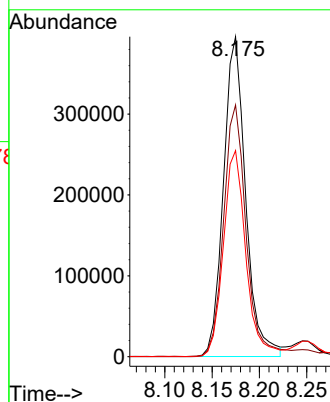
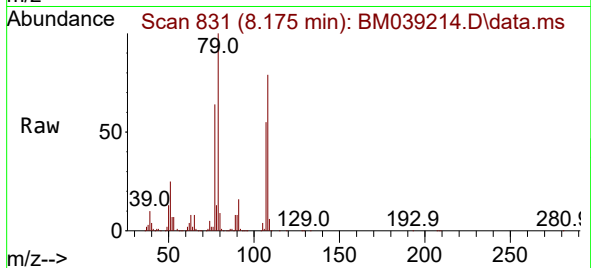




#15  
Benzyl Alcohol  
Concen: 47.700 ng  
RT: 8.175 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

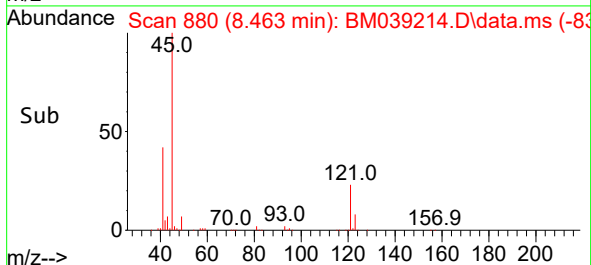
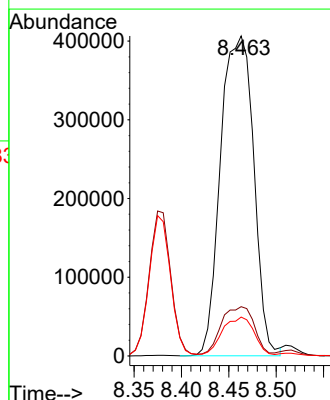
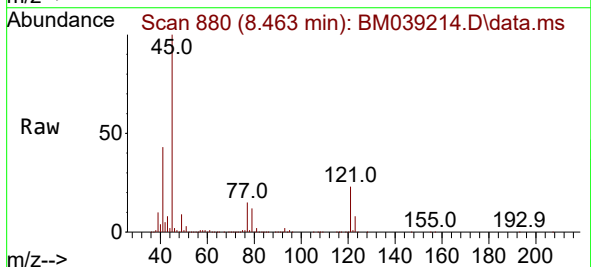
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

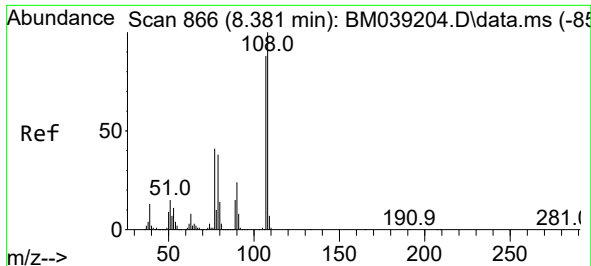
Tgt Ion: 79 Resp: 644909  
Ion Ratio Lower Upper  
79 100  
108 78.6 63.4 95.0  
77 64.4 51.5 77.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 48.779 ng  
RT: 8.463 min Scan# 880  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion: 45 Resp: 988752  
Ion Ratio Lower Upper  
45 100  
77 15.4 0.0 35.1  
79 12.1 0.0 32.2

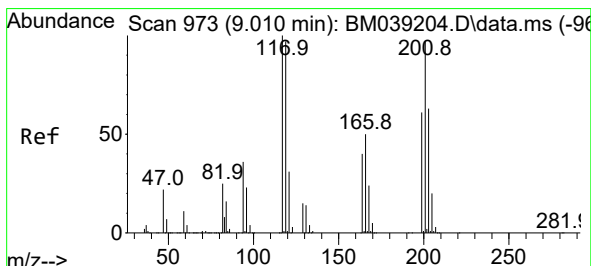
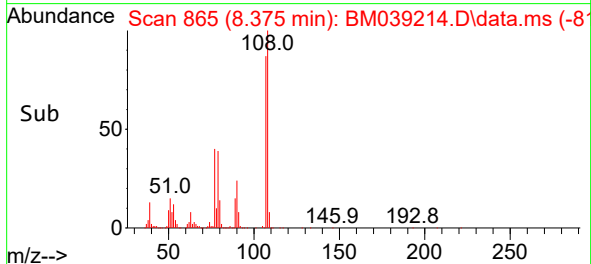
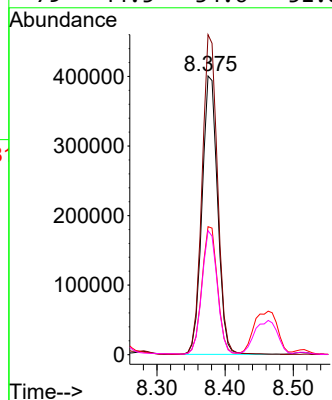
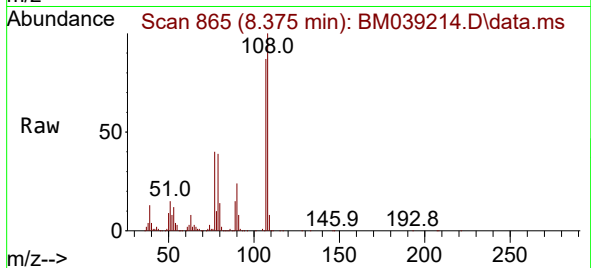




#17  
2-Methylphenol  
Concen: 46.043 ng  
RT: 8.375 min Scan# 865  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

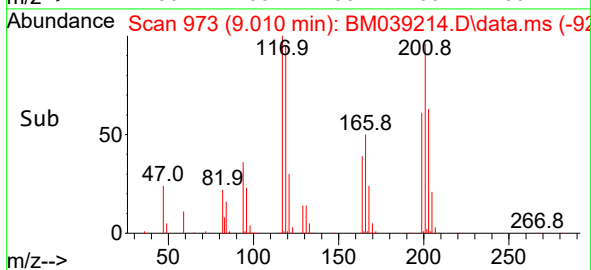
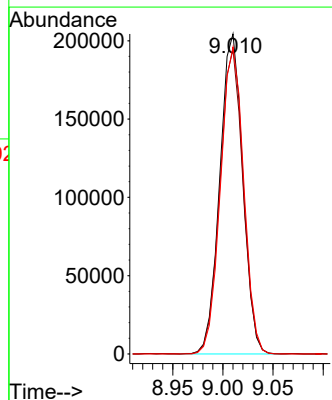
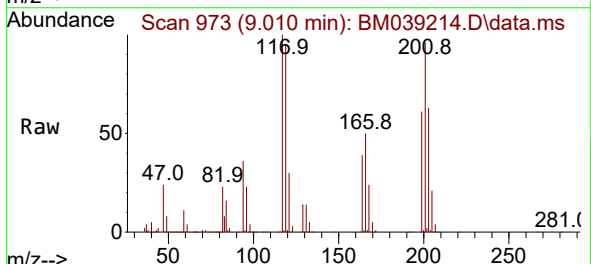
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

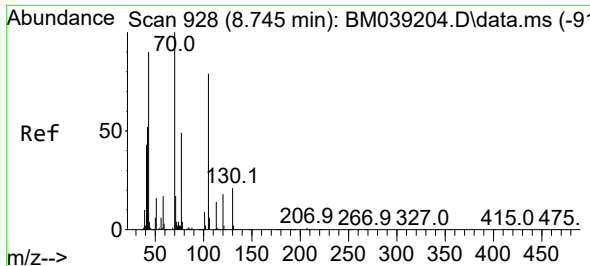
Tgt Ion:107 Resp: 634571  
Ion Ratio Lower Upper  
107 100  
108 114.8 90.6 136.0  
77 45.9 37.0 55.4  
79 44.5 34.6 51.8



#18  
Hexachloroethane  
Concen: 50.410 ng  
RT: 9.010 min Scan# 973  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:117 Resp: 325260  
Ion Ratio Lower Upper  
117 100  
119 95.1 77.8 116.8  
201 95.9 77.3 115.9

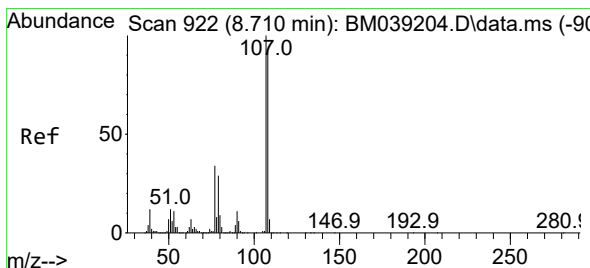
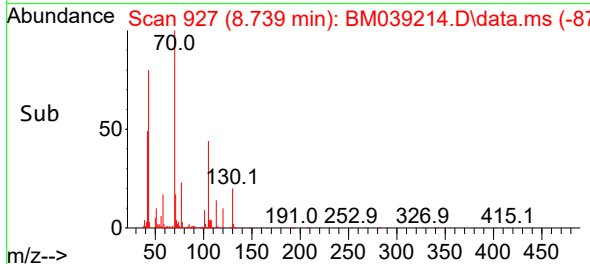
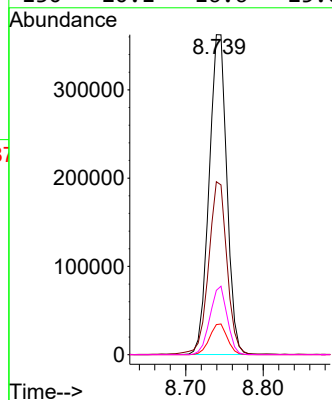
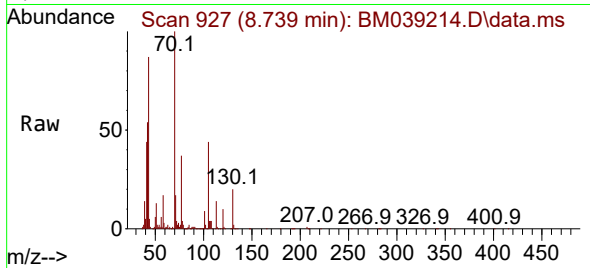




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.791 ng  
RT: 8.739 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

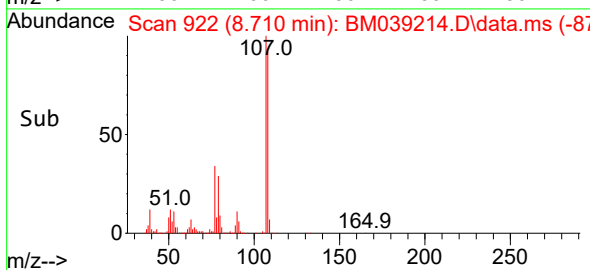
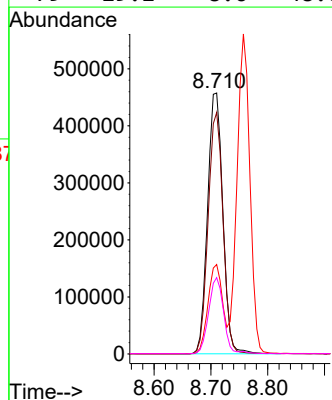
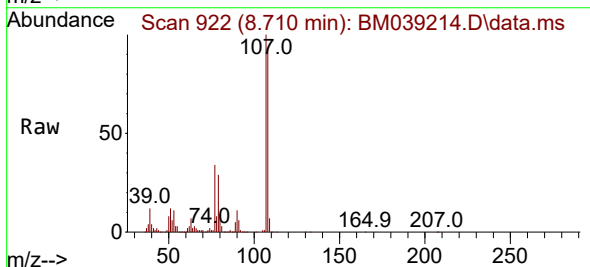
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

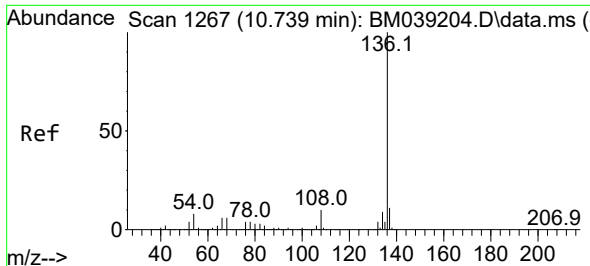
Tgt Ion: 70 Resp: 575394  
Ion Ratio Lower Upper  
70 100  
42 54.1 42.2 63.2  
101 9.4 7.6 11.4  
130 20.1 16.6 25.0



#20  
3+4-Methylphenols  
Concen: 45.945 ng  
RT: 8.710 min Scan# 922  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion: 107 Resp: 850891  
Ion Ratio Lower Upper  
107 100  
108 92.5 72.1 112.1  
77 34.3 13.7 53.7  
79 29.2 8.6 48.6

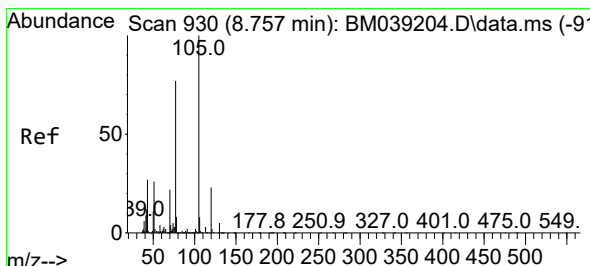
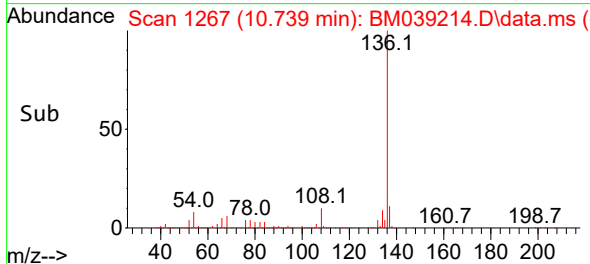
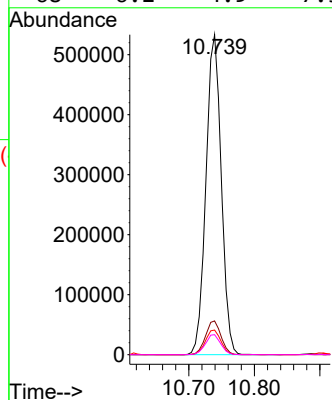
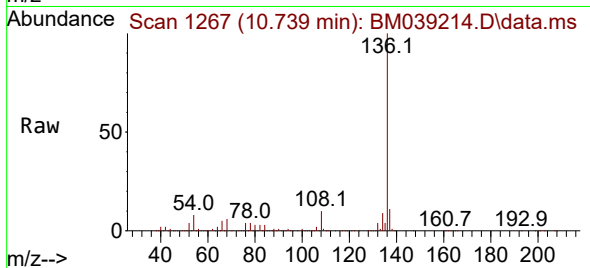




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.739 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

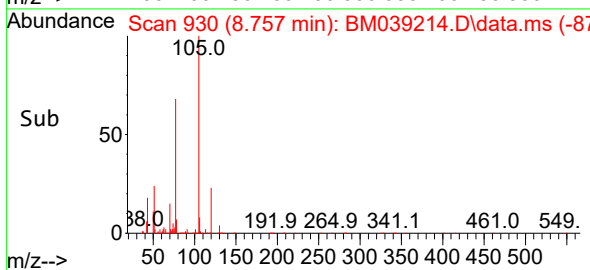
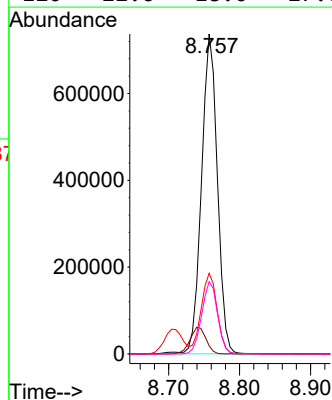
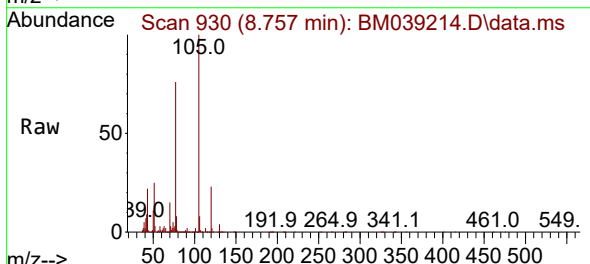
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

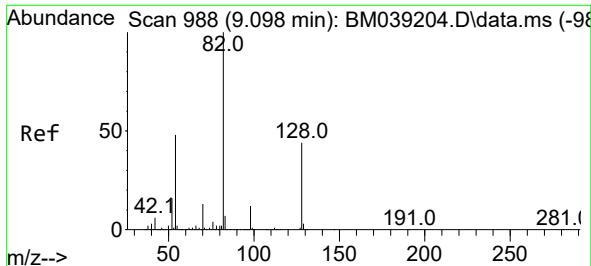
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:136 | Resp: | 865680 |
| Ion | Ratio   | Lower | Upper  |
| 136 | 100     |       |        |
| 137 | 10.6    | 8.9   | 13.3   |
| 54  | 7.7     | 6.2   | 9.4    |
| 68  | 6.2     | 4.9   | 7.3    |



#22  
Acetophenone  
Concen: 49.284 ng  
RT: 8.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

|     |         |       |         |
|-----|---------|-------|---------|
| Tgt | Ion:105 | Resp: | 1140731 |
| Ion | Ratio   | Lower | Upper   |
| 105 | 100     |       |         |
| 71  | 2.5     | 2.8   | 4.2#    |
| 51  | 25.2    | 20.6  | 31.0    |
| 120 | 22.6    | 18.0  | 27.0    |

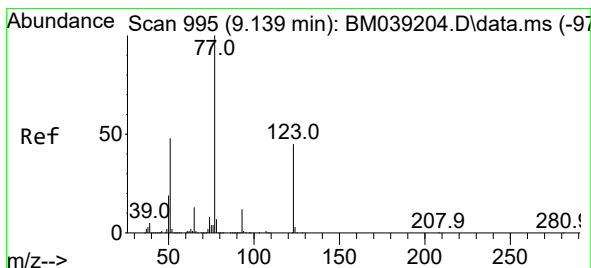
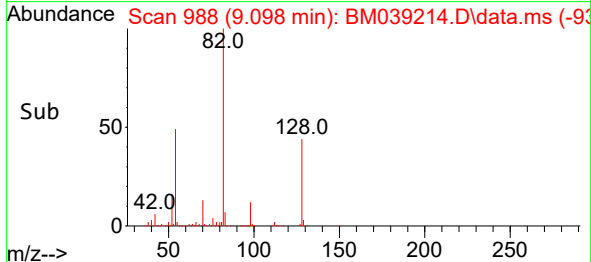
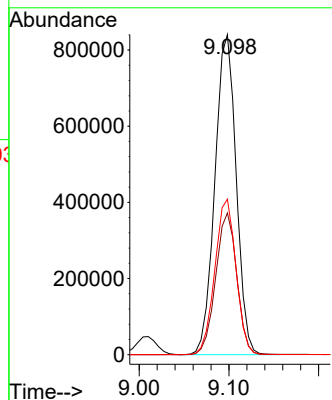
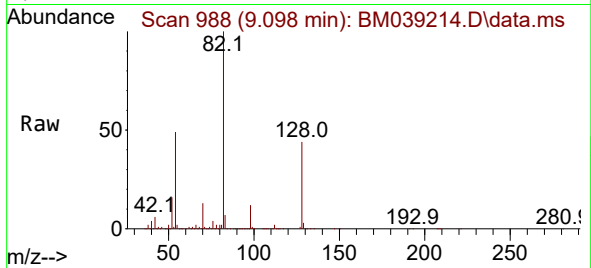




#23  
Nitrobenzene-d5  
Concen: 77.740 ng  
RT: 9.098 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

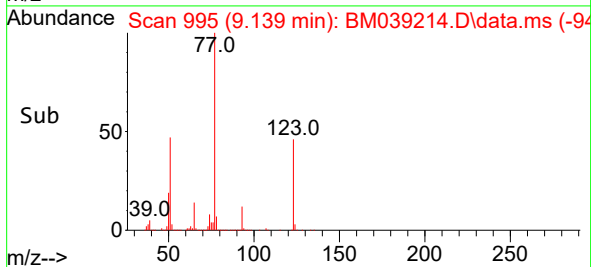
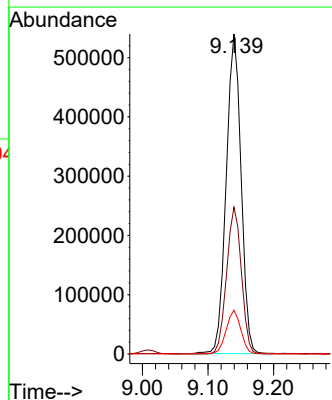
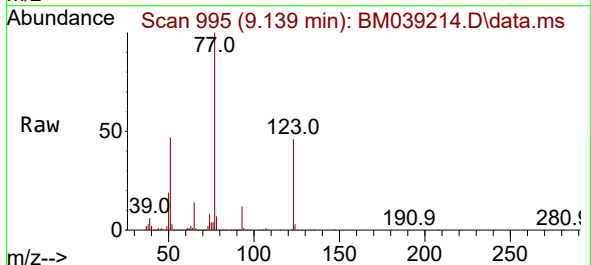
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

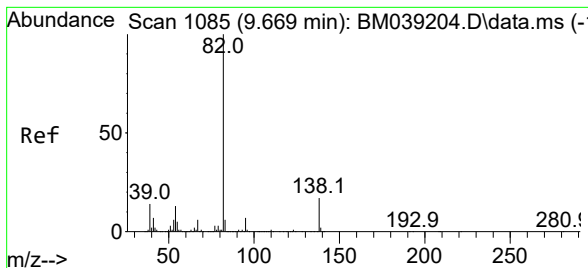
Tgt Ion: 82 Resp: 1384666  
Ion Ratio Lower Upper  
82 100  
128 44.3 35.1 52.7  
54 48.6 38.5 57.7



#24  
Nitrobenzene  
Concen: 47.827 ng  
RT: 9.139 min Scan# 995  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion: 77 Resp: 847316  
Ion Ratio Lower Upper  
77 100  
123 45.9 36.2 54.2  
65 13.6 10.6 15.8





#25

Isophorone

Concen: 46.568 ng

RT: 9.669 min Scan# 1085

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

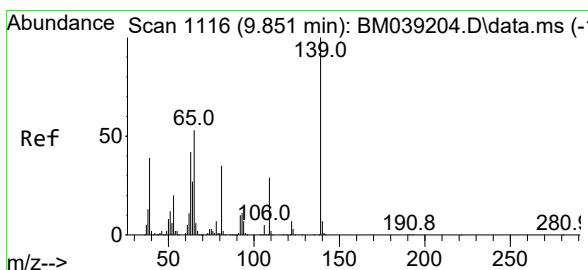
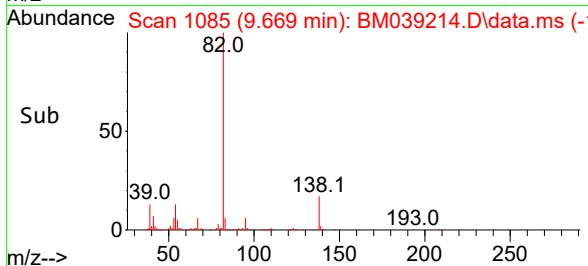
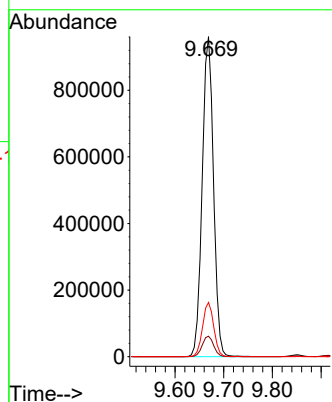
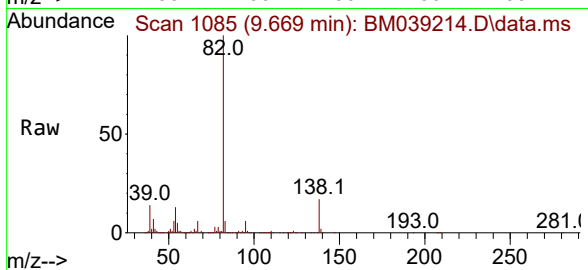
Tgt Ion: 82 Resp: 1547374

Ion Ratio Lower Upper

82 100

95 6.4 5.2 7.8

138 16.9 13.5 20.3



#26

2-Nitrophenol

Concen: 50.014 ng

RT: 9.851 min Scan# 1116

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

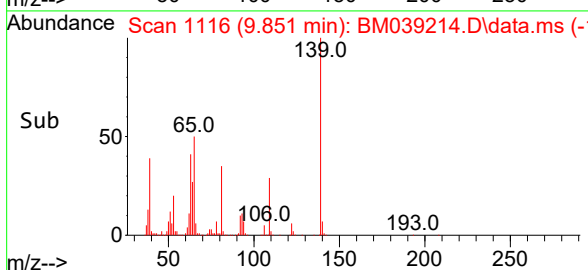
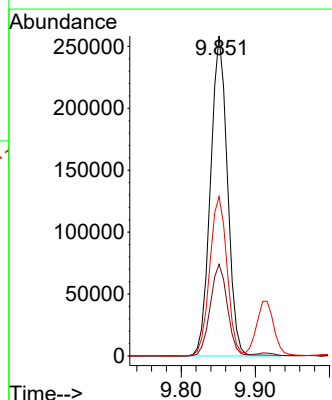
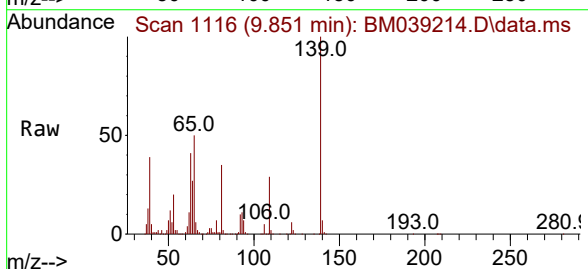
Tgt Ion: 139 Resp: 409593

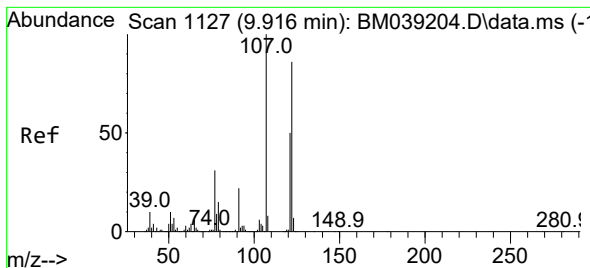
Ion Ratio Lower Upper

139 100

109 28.6 23.4 35.0

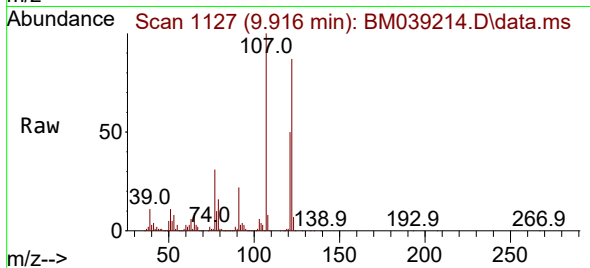
65 49.8 42.2 63.2



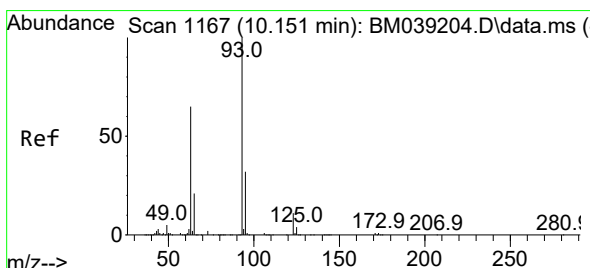
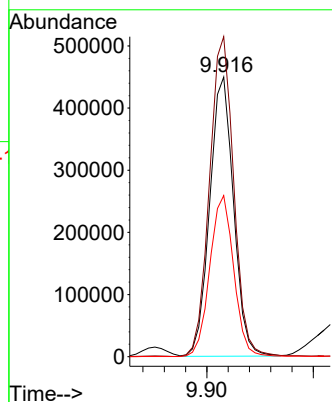
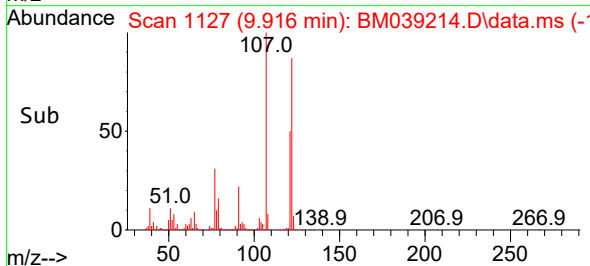


#27  
2,4-Dimethylphenol  
Concen: 51.388 ng  
RT: 9.916 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

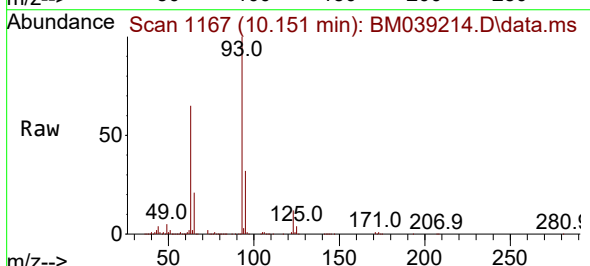
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS



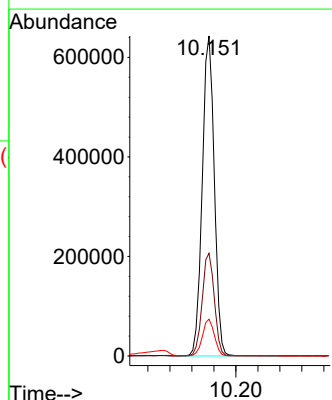
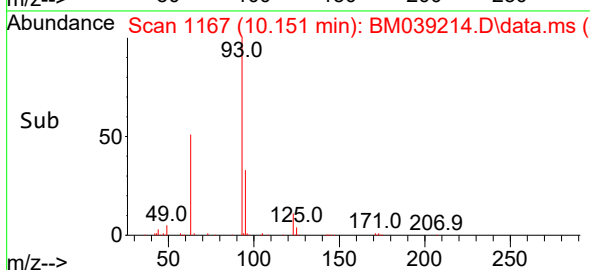
Tgt Ion:122 Resp: 699246  
Ion Ratio Lower Upper  
122 100  
107 114.4 92.3 138.5  
121 57.6 46.3 69.5

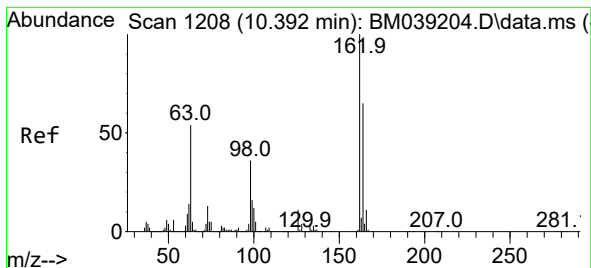


#28  
bis(2-Chloroethoxy)methane  
Concen: 48.619 ng  
RT: 10.151 min Scan# 1167  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55



Tgt Ion: 93 Resp: 977948  
Ion Ratio Lower Upper  
93 100  
95 32.1 25.8 38.8  
123 11.5 9.1 13.7

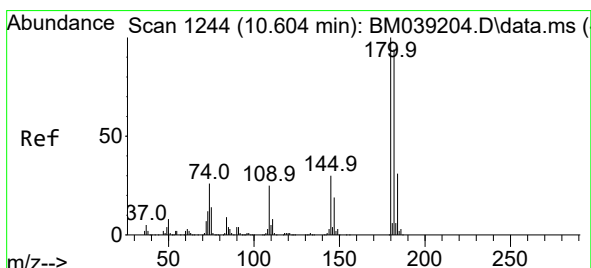
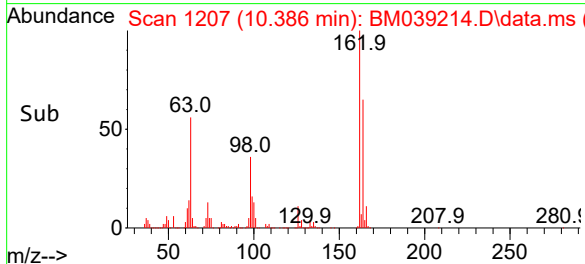
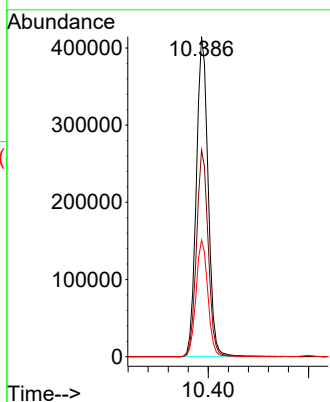
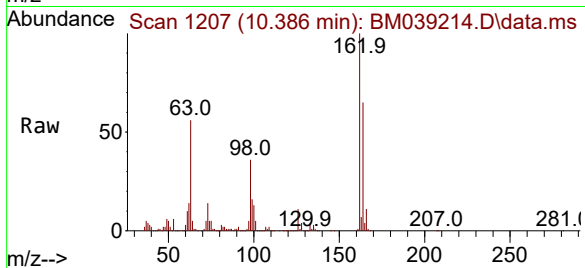




#29  
2,4-Dichlorophenol  
Concen: 51.029 ng  
RT: 10.386 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

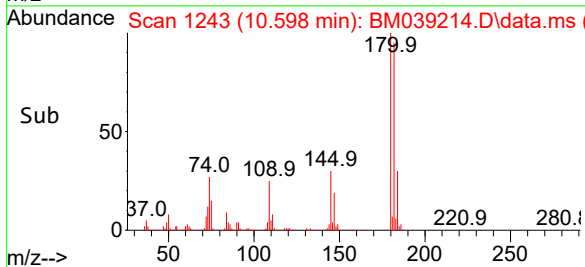
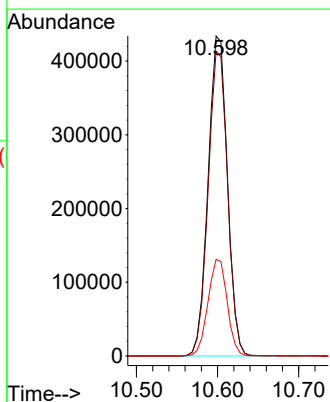
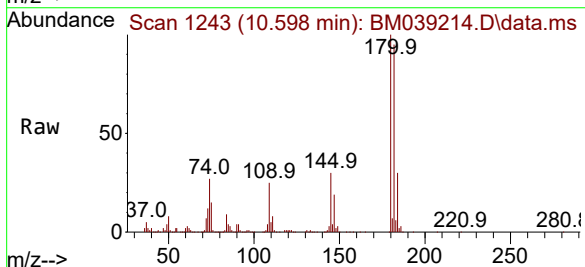
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

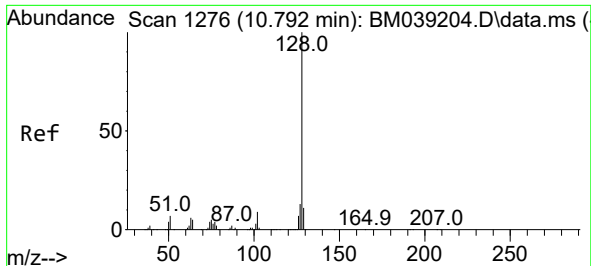
Tgt Ion:162 Resp: 677471  
Ion Ratio Lower Upper  
162 100  
164 64.6 44.8 84.8  
98 36.5 16.0 56.0



#30  
1,2,4-Trichlorobenzene  
Concen: 50.457 ng  
RT: 10.598 min Scan# 1243  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:180 Resp: 716650  
Ion Ratio Lower Upper  
180 100  
182 95.3 75.2 112.8  
145 30.2 23.9 35.9

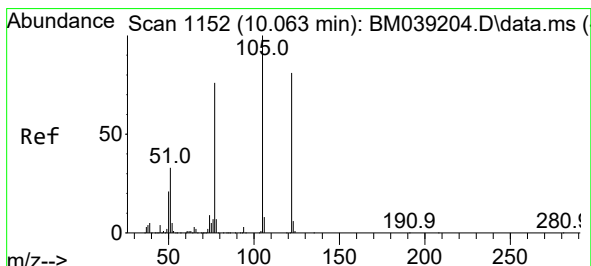
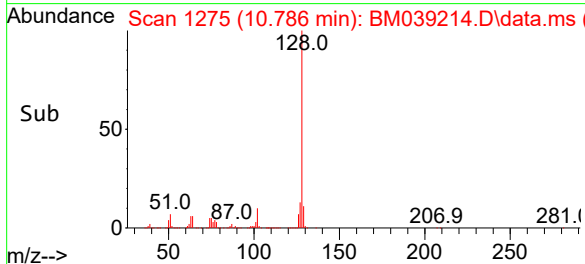
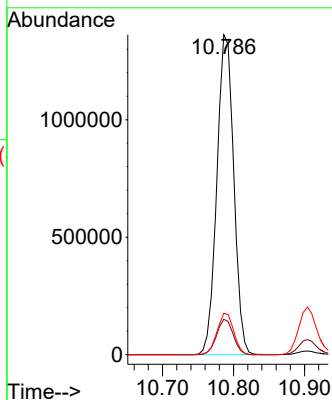
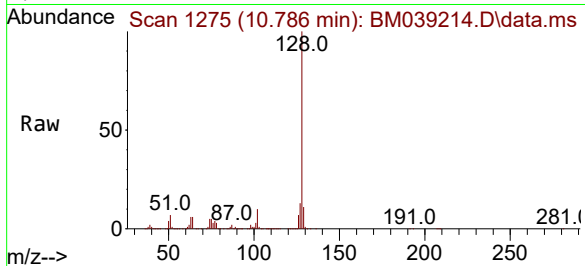




#31  
Naphthalene  
Concen: 48.122 ng  
RT: 10.786 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

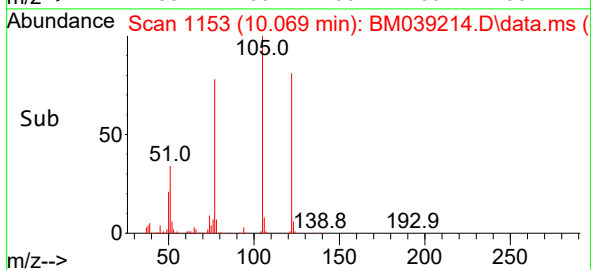
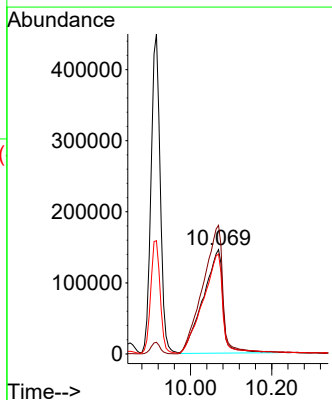
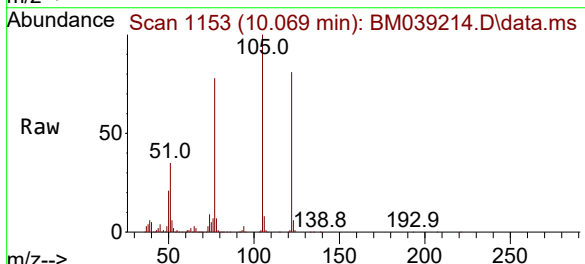
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

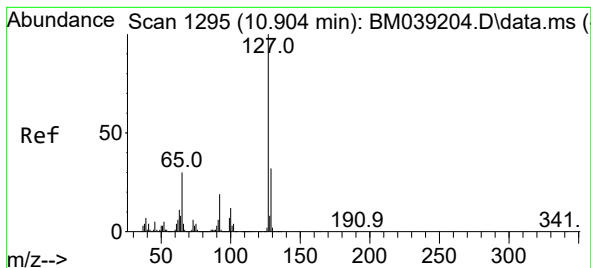
Tgt Ion:128 Resp: 2244689  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 13.0  
127 13.0 10.3 15.5



#32  
Benzoic acid  
Concen: 46.755 ng  
RT: 10.069 min Scan# 1153  
Delta R.T. 0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:122 Resp: 495860  
Ion Ratio Lower Upper  
122 100  
105 123.3 103.1 143.1  
77 95.9 74.6 114.6





#33

4-Chloroaniline

Concen: 18.140 ng

RT: 10.904 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

Tgt Ion:127 Resp: 370706

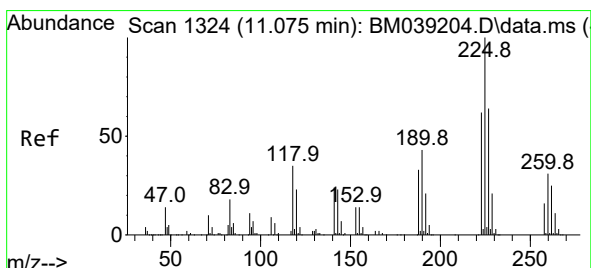
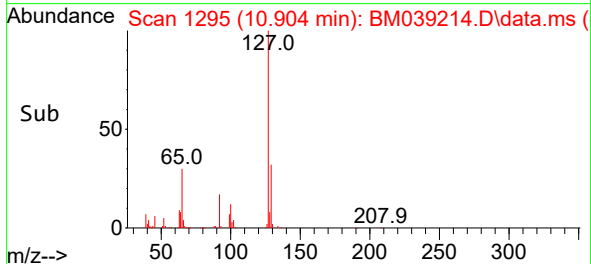
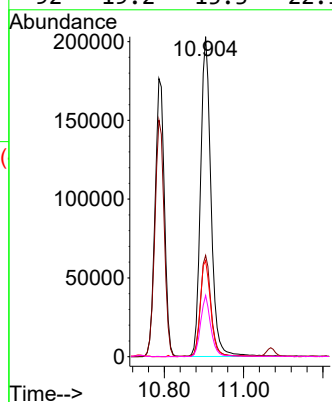
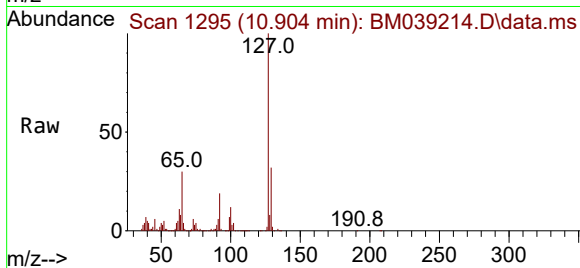
Ion Ratio Lower Upper

127 100

129 31.7 25.7 38.5

65 30.0 24.1 36.1

92 19.2 15.3 22.9



#34

Hexachlorobutadiene

Concen: 49.307 ng

RT: 11.069 min Scan# 1323

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

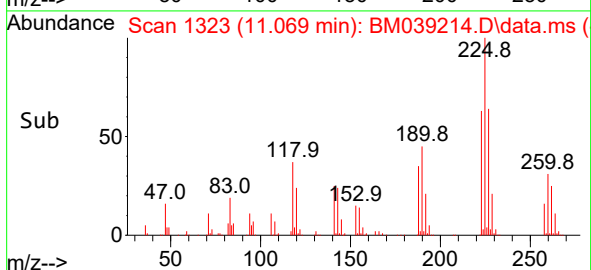
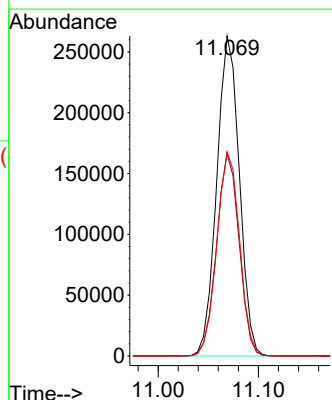
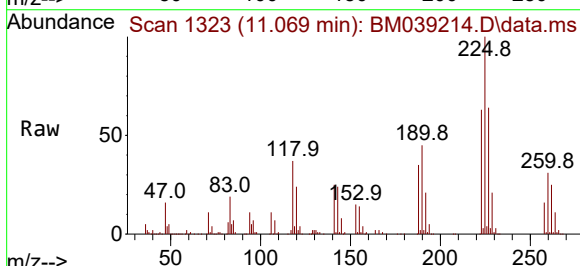
Tgt Ion:225 Resp: 411797

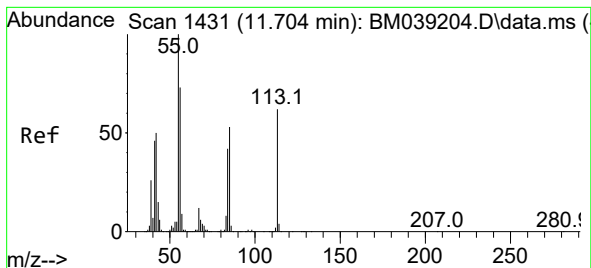
Ion Ratio Lower Upper

225 100

223 63.2 49.8 74.6

227 63.8 51.6 77.4

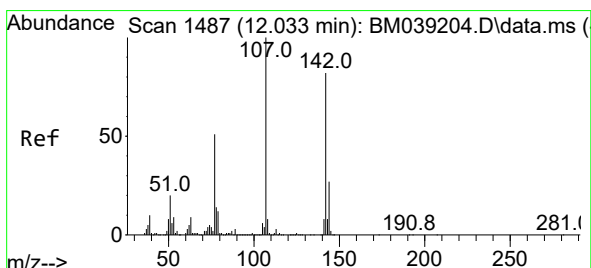
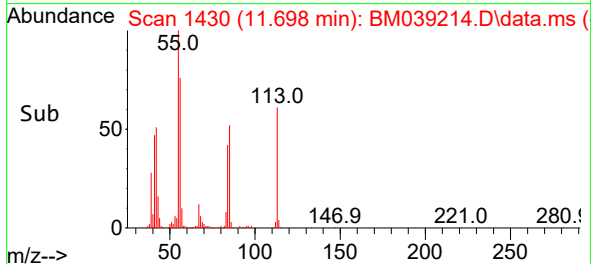
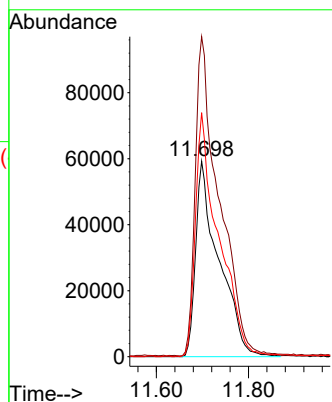
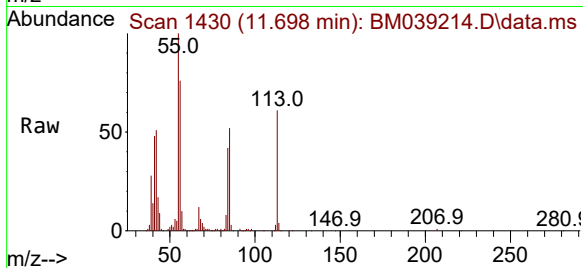




#35  
Caprolactam  
Concen: 44.916 ng  
RT: 11.698 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

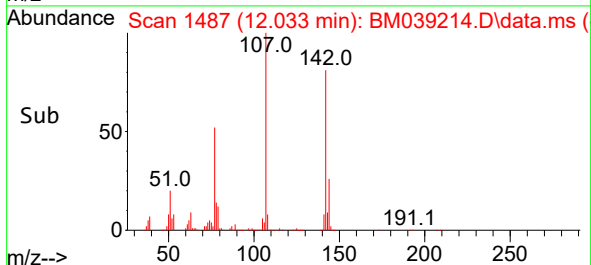
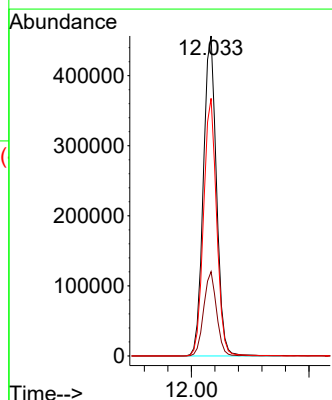
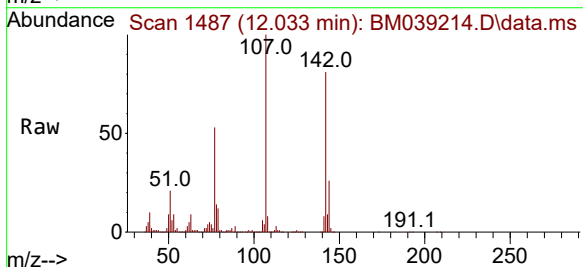
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

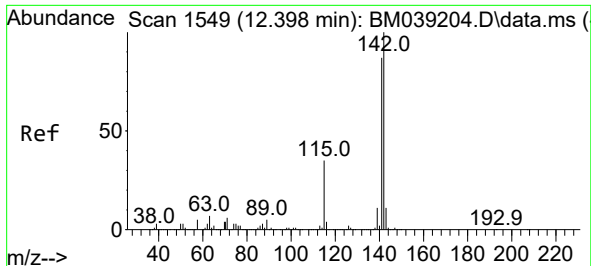
Tgt Ion:113 Resp: 207052  
Ion Ratio Lower Upper  
113 100  
55 163.7 141.8 181.8  
56 124.8 98.3 138.3



#36  
4-Chloro-3-methylphenol  
Concen: 48.215 ng  
RT: 12.033 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:107 Resp: 706250  
Ion Ratio Lower Upper  
107 100  
144 26.3 21.4 32.2  
142 80.5 65.2 97.8





#37

2-Methylnaphthalene

Concen: 45.651 ng

RT: 12.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

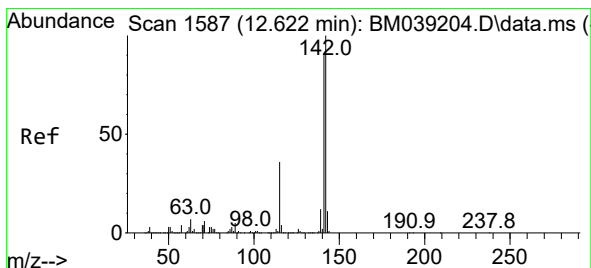
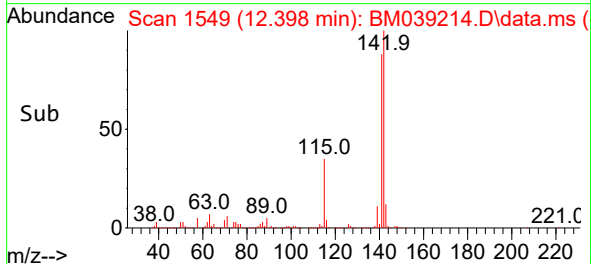
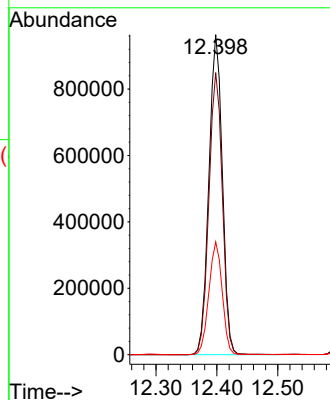
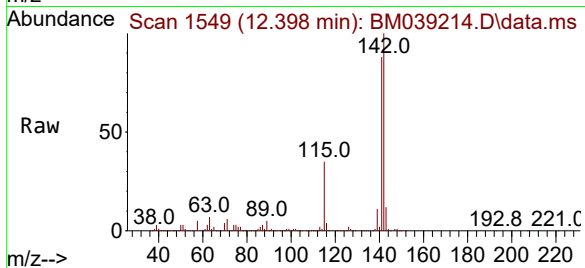
Tgt Ion:142 Resp: 1482403

Ion Ratio Lower Upper

142 100

141 88.2 69.8 104.8

115 35.3 27.8 41.8



#38

1-Methylnaphthalene

Concen: 45.647 ng

RT: 12.616 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

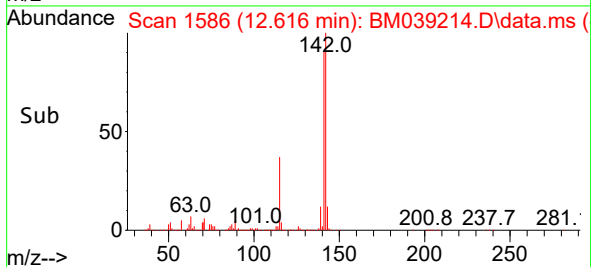
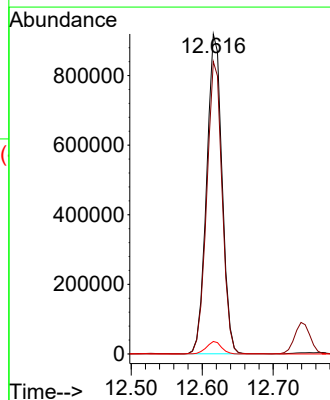
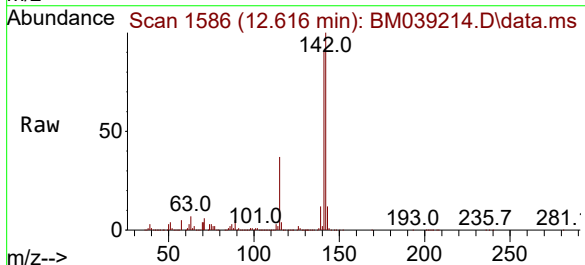
Tgt Ion:142 Resp: 1387926

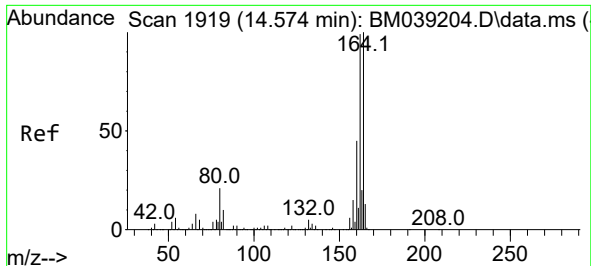
Ion Ratio Lower Upper

142 100

141 91.4 73.2 109.8

116 3.9 3.0 4.4

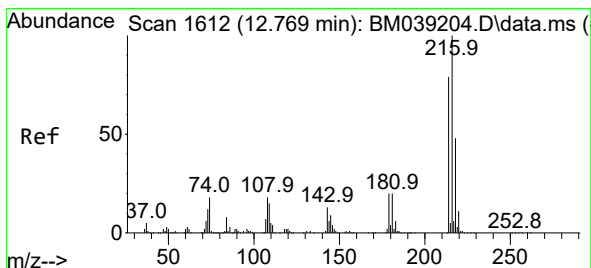
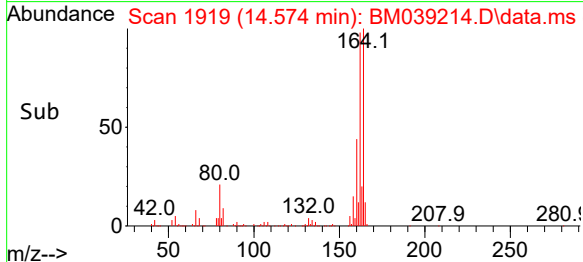
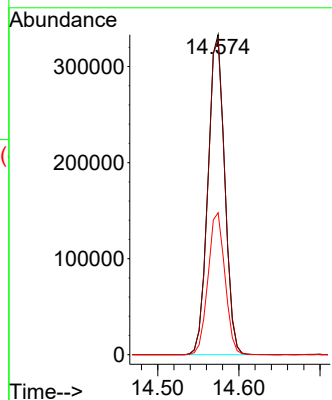
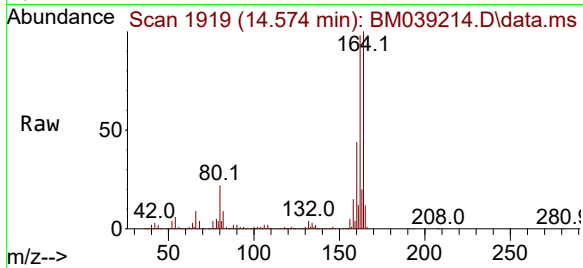




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.574 min Scan# 1919  
Delta R.T. 0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

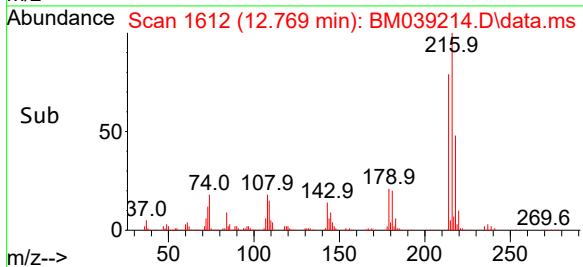
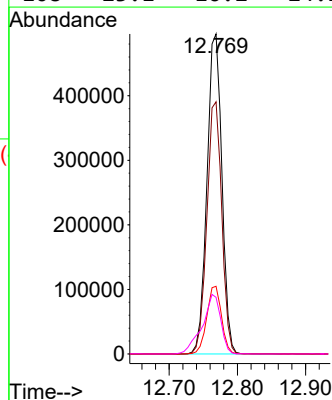
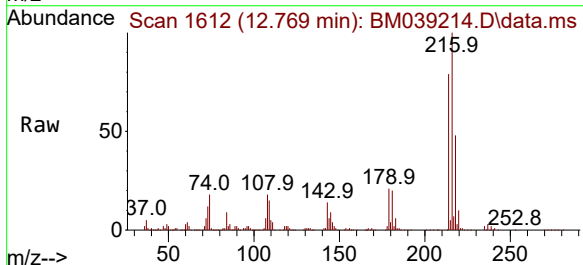
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

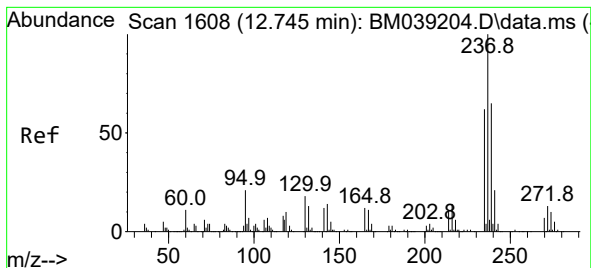
Tgt Ion:164 Resp: 475791  
Ion Ratio Lower Upper  
164 100  
162 98.4 79.1 118.7  
160 44.4 35.8 53.8



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 52.045 ng  
RT: 12.769 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:216 Resp: 753937  
Ion Ratio Lower Upper  
216 100  
214 78.6 62.8 94.2  
179 20.9 16.8 25.2  
108 23.1 16.2 24.2





#41

Hexachlorocyclopentadiene

Concen: 136.010 ng

RT: 12.745 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

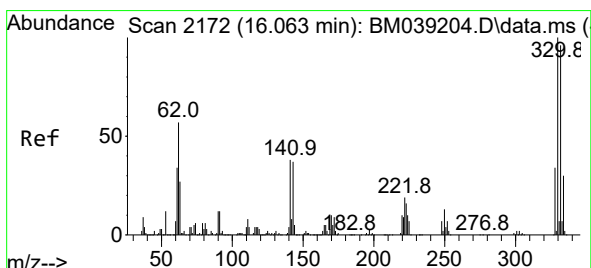
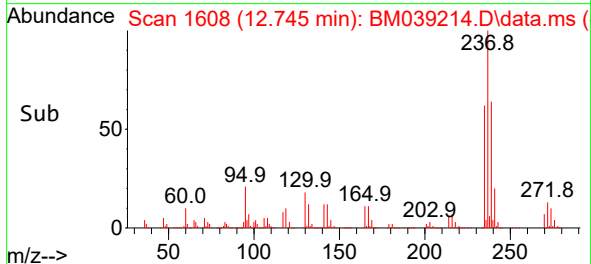
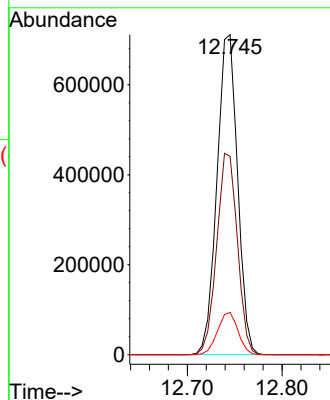
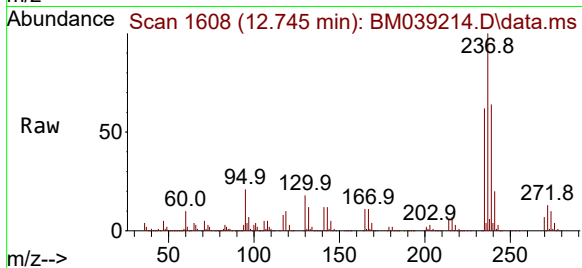
Tgt Ion:237 Resp: 1076376

Ion Ratio Lower Upper

237 100

235 62.0 41.6 81.6

272 13.2 0.0 33.2



#42

2,4,6-Tribromophenol

Concen: 115.650 ng

RT: 16.063 min Scan# 2172

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

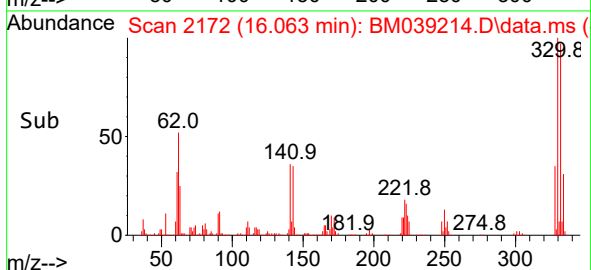
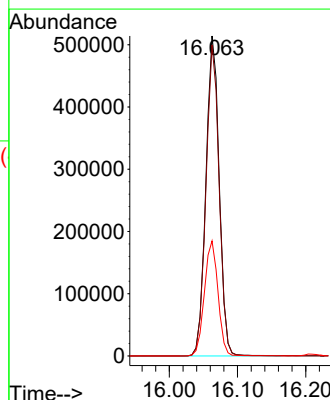
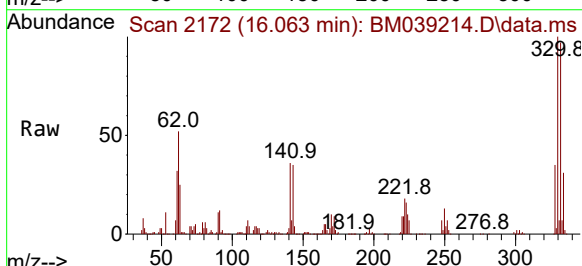
Tgt Ion:330 Resp: 698490

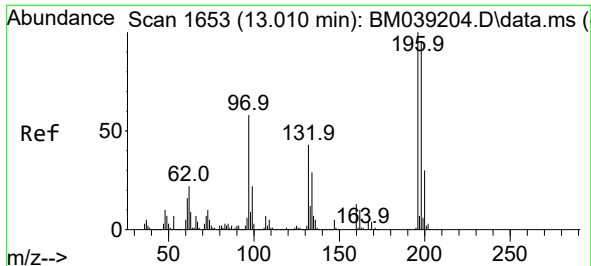
Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.0

141 36.8 29.8 44.6





#43

2,4,6-Trichlorophenol

Concen: 50.781 ng

RT: 13.010 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

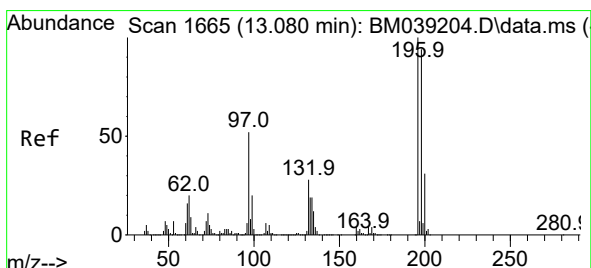
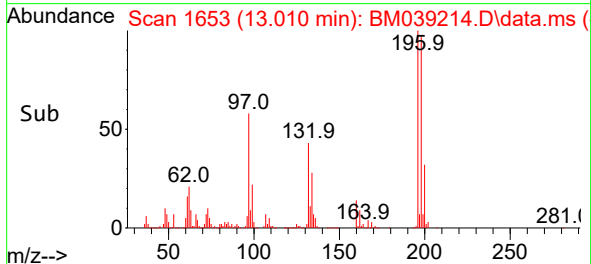
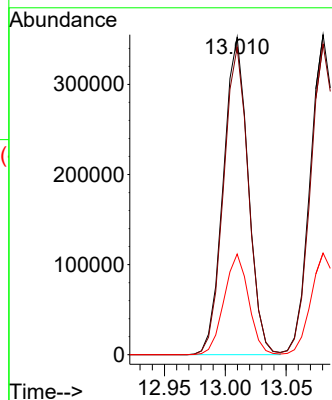
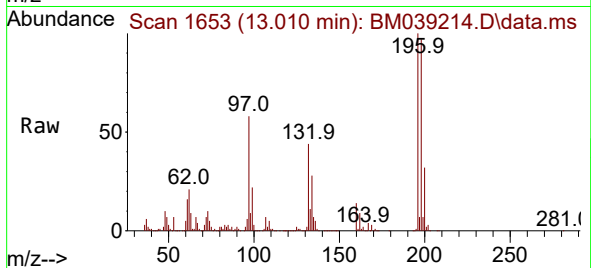
Tgt Ion:196 Resp: 501683

Ion Ratio Lower Upper

196 100

198 96.9 76.2 114.2

200 31.7 24.2 36.2



#44

2,4,5-Trichlorophenol

Concen: 46.396 ng

RT: 13.080 min Scan# 1665

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Tgt Ion:196 Resp: 537341

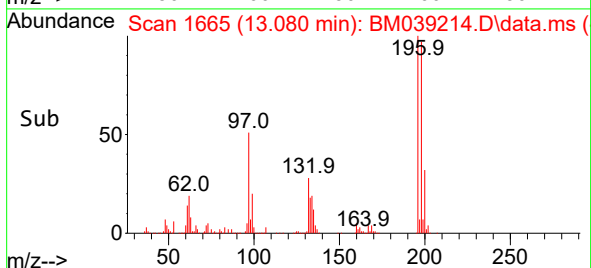
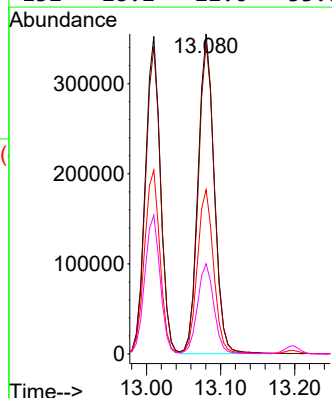
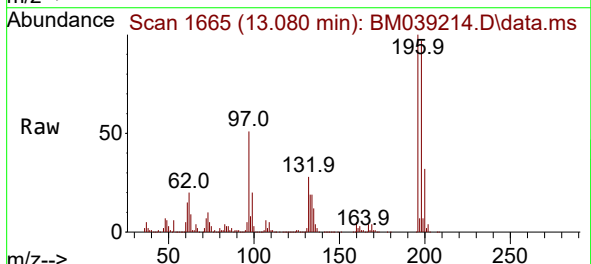
Ion Ratio Lower Upper

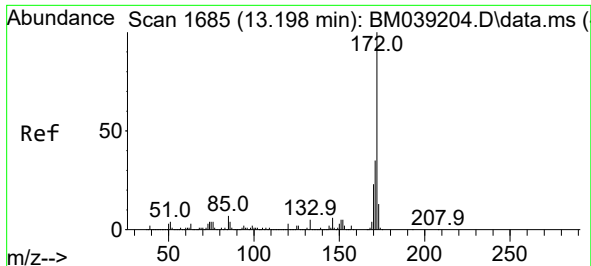
196 100

198 97.0 75.2 112.8

97 51.4 41.4 62.0

132 28.2 22.6 33.8

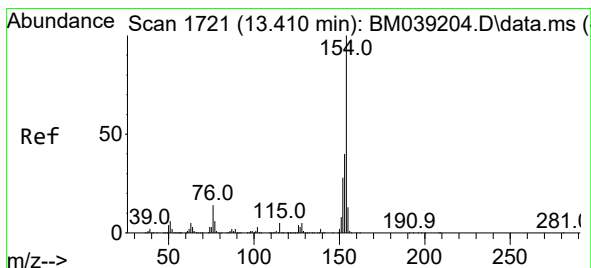
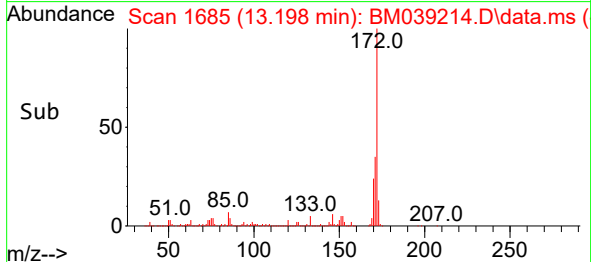
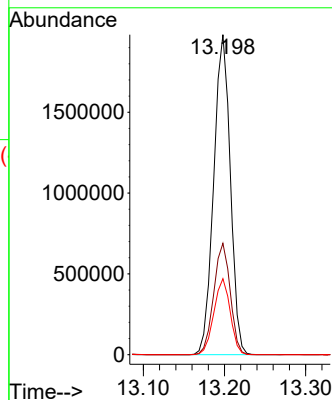
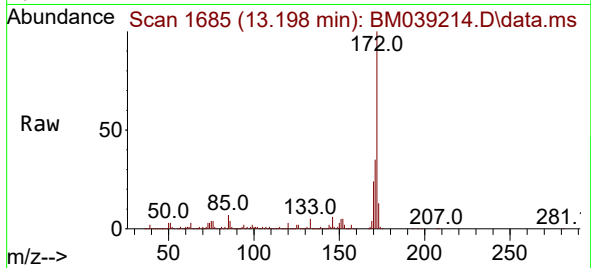




#45  
2-Fluorobiphenyl  
Concen: 80.033 ng  
RT: 13.198 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

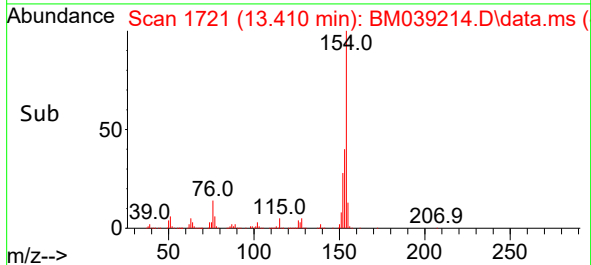
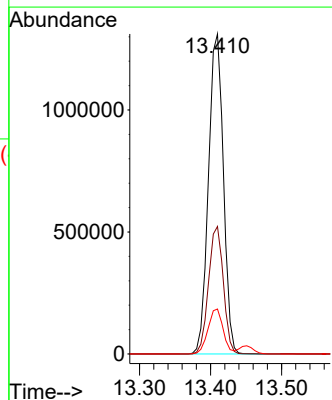
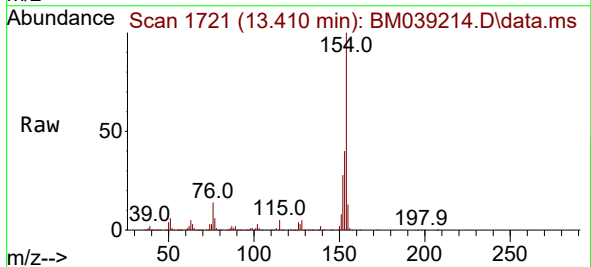
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

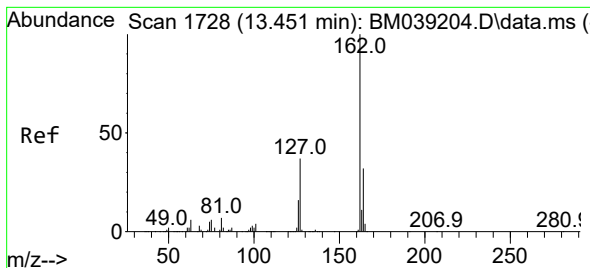
Tgt Ion:172 Resp: 2810441  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.0 42.0  
170 23.8 18.7 28.1



#46  
1,1'-Biphenyl  
Concen: 51.042 ng  
RT: 13.410 min Scan# 1721  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:154 Resp: 1917742  
Ion Ratio Lower Upper  
154 100  
153 39.8 19.9 59.9  
76 14.1 0.0 33.5

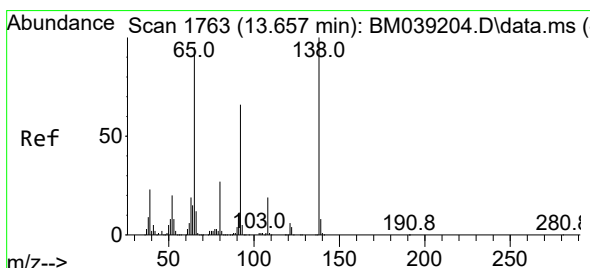
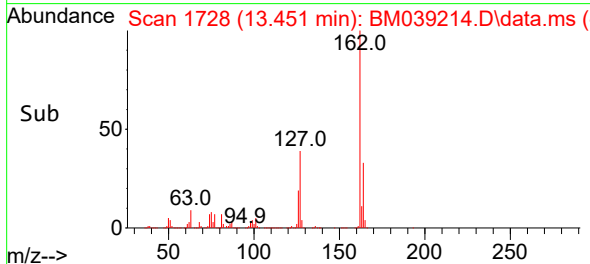
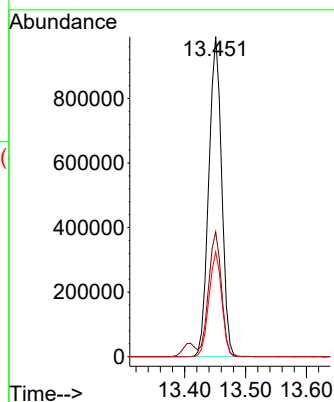
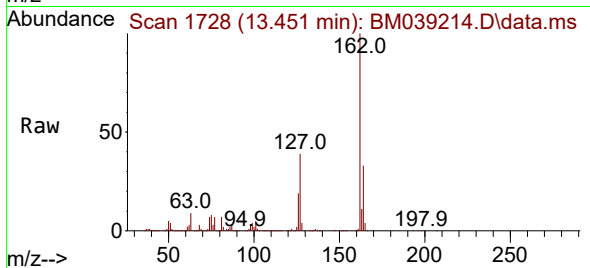




#47  
2-Chloronaphthalene  
Concen: 51.270 ng  
RT: 13.451 min Scan# 1728  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

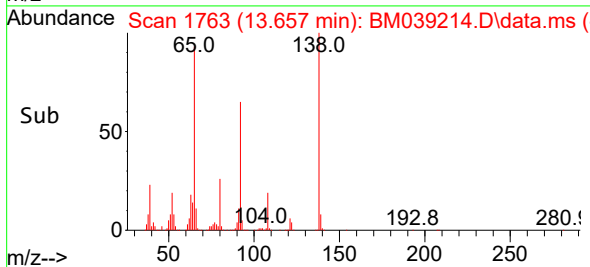
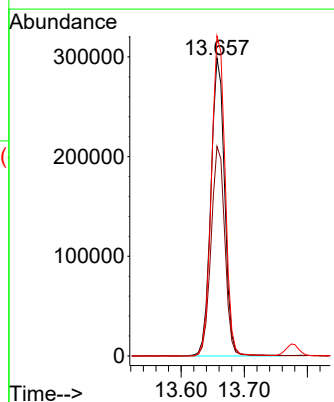
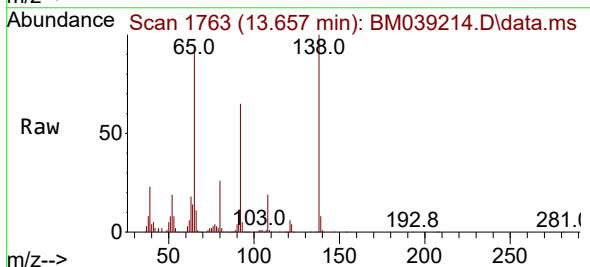
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

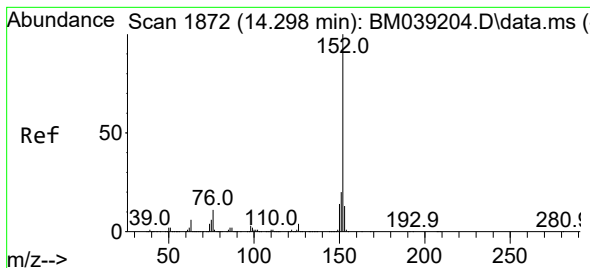
Tgt Ion:162 Resp: 1458559  
Ion Ratio Lower Upper  
162 100  
127 39.0 31.4 47.0  
164 32.7 25.7 38.5



#48  
2-Nitroaniline  
Concen: 47.202 ng  
RT: 13.657 min Scan# 1763  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion: 65 Resp: 451888  
Ion Ratio Lower Upper  
65 100  
92 70.3 55.7 83.5  
138 107.4 84.5 126.7





#49

Acenaphthylene

Concen: 48.411 ng

RT: 14.298 min Scan# 1872

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

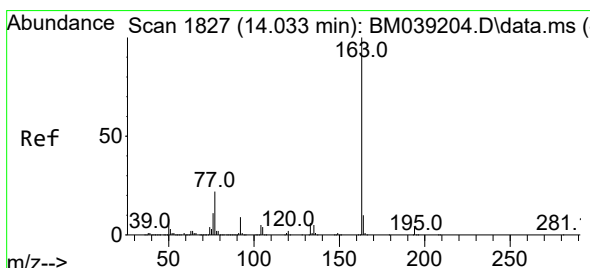
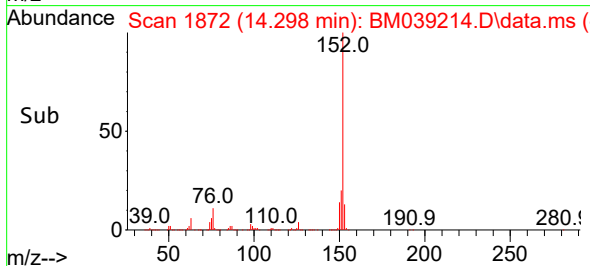
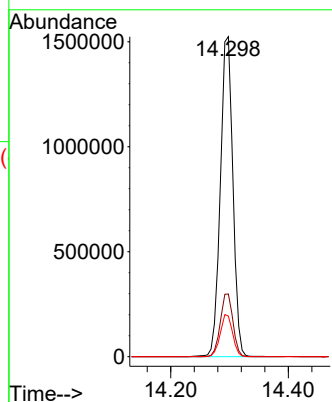
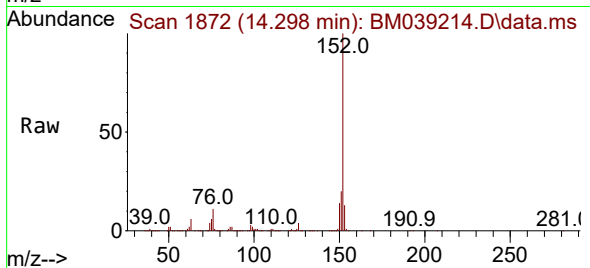
Tgt Ion:152 Resp: 2263540

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

153 12.7 10.3 15.5



#50

Dimethylphthalate

Concen: 46.497 ng

RT: 14.033 min Scan# 1827

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

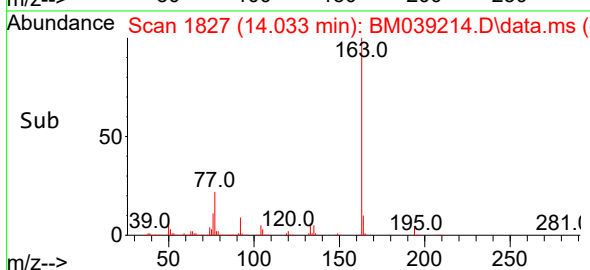
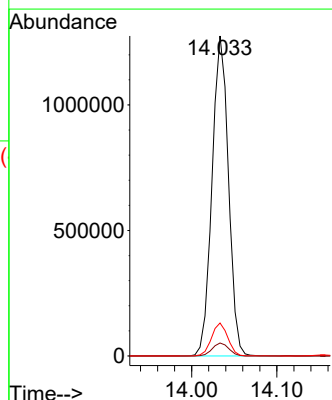
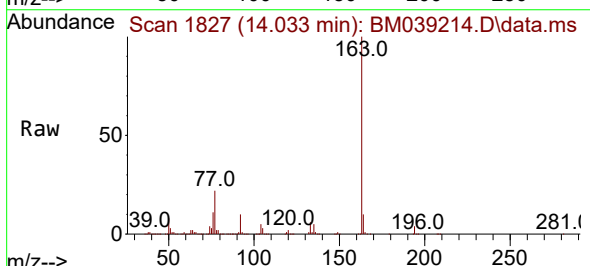
Tgt Ion:163 Resp: 1704939

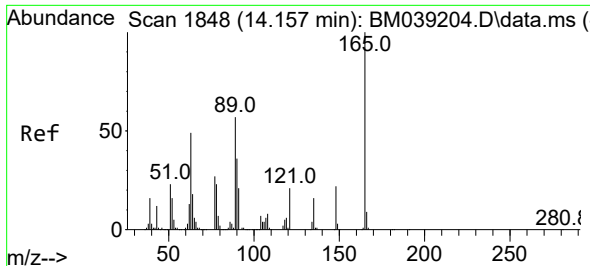
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.3 8.2 12.2

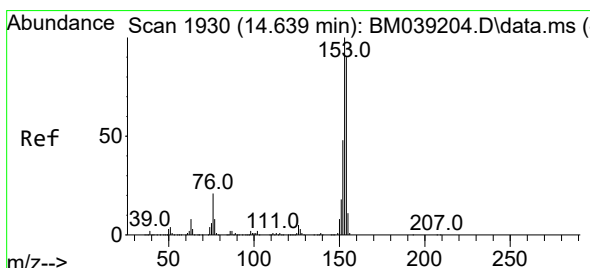
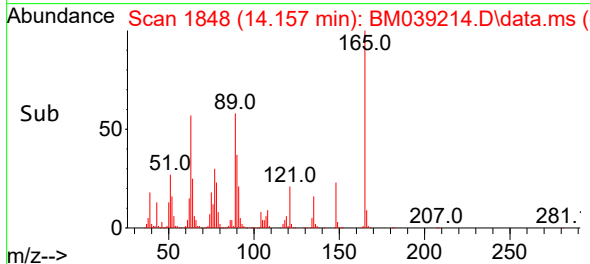
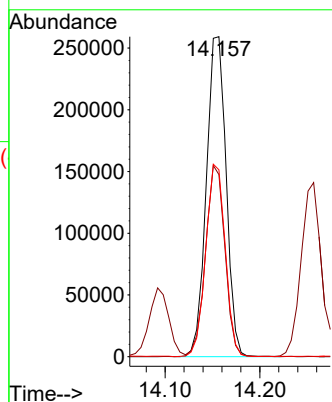
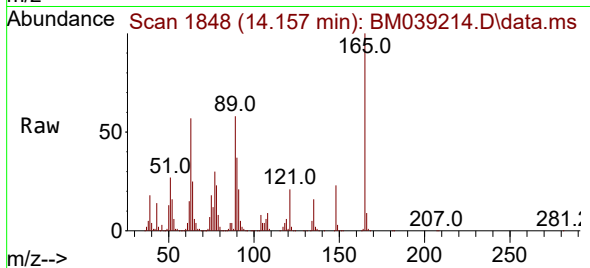




#51  
2,6-Dinitrotoluene  
Concen: 47.665 ng  
RT: 14.157 min Scan# 1848  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

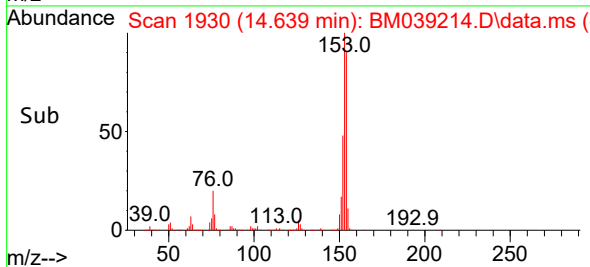
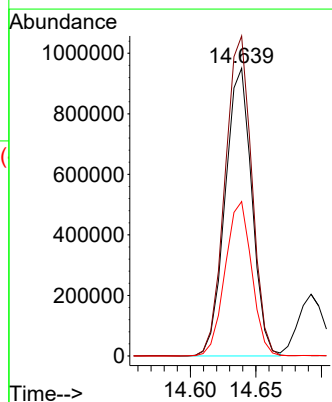
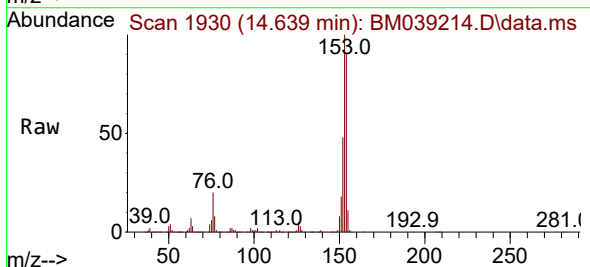
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

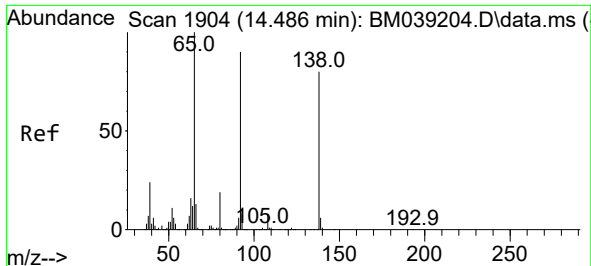
Tgt Ion:165 Resp: 375853  
Ion Ratio Lower Upper  
165 100  
63 56.9 44.9 67.3  
89 58.4 45.4 68.0



#52  
Acenaphthene  
Concen: 48.771 ng  
RT: 14.639 min Scan# 1930  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:154 Resp: 1346514  
Ion Ratio Lower Upper  
154 100  
153 111.3 89.1 133.7  
152 53.7 42.6 64.0

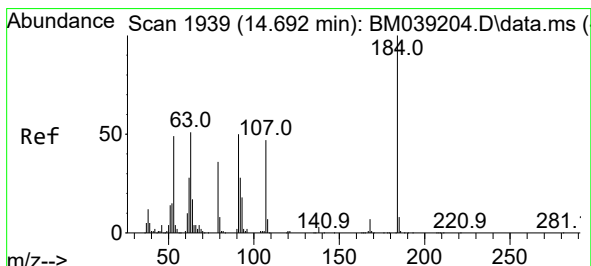
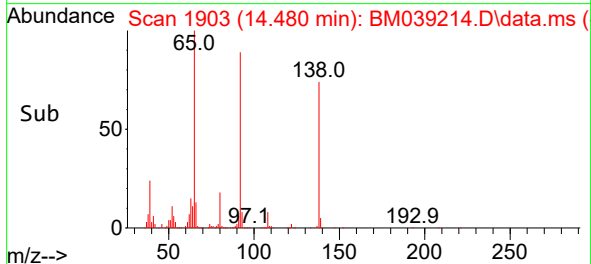
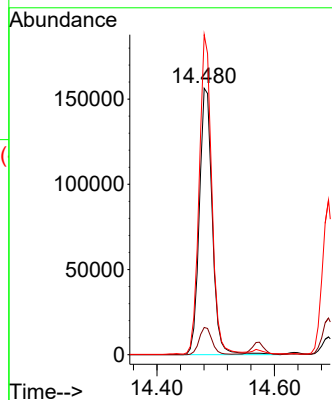
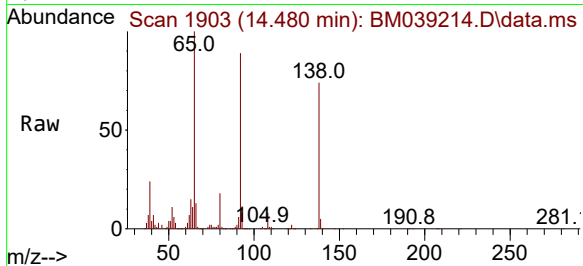




#53  
3-Nitroaniline  
Concen: 26.274 ng  
RT: 14.480 min Scan# 1904  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

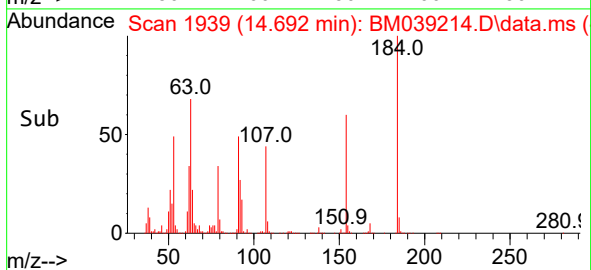
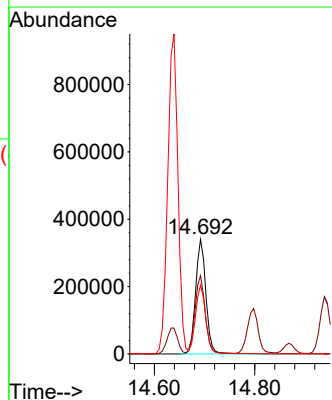
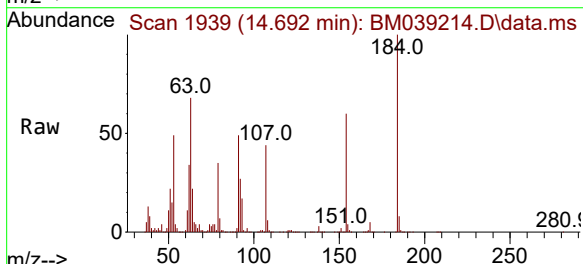
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

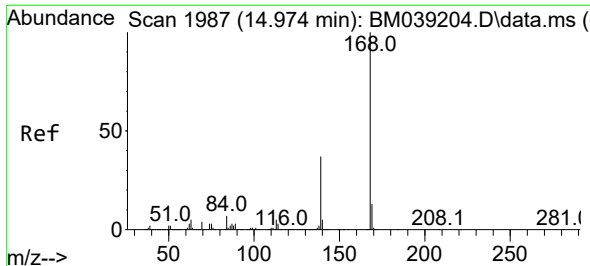
Tgt Ion:138 Resp: 239509  
Ion Ratio Lower Upper  
138 100  
108 10.2 8.0 12.0  
92 120.1 90.8 136.2



#54  
2,4-Dinitrophenol  
Concen: 104.000 ng  
RT: 14.692 min Scan# 1939  
Delta R.T. 0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:184 Resp: 485651  
Ion Ratio Lower Upper  
184 100  
63 68.3 56.4 84.6  
154 60.0 48.7 73.1

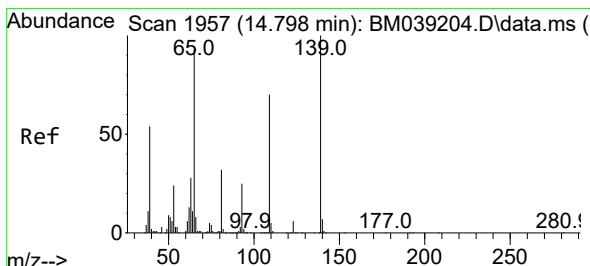
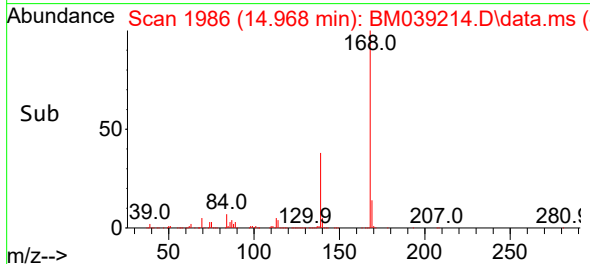
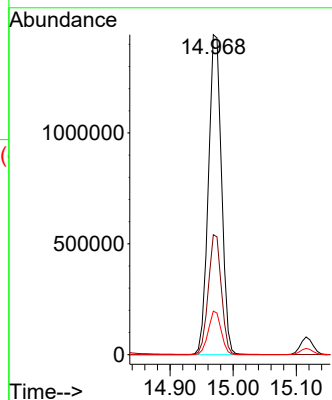
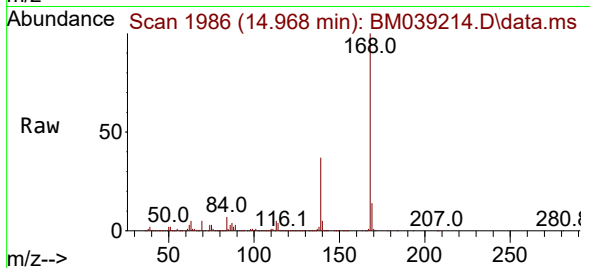




#55  
 Dibenzofuran  
 Concen: 46.980 ng  
 RT: 14.968 min Scan# 1986  
 Delta R.T. -0.006 min  
 Lab File: BM039214.D  
 Acq: 29 Mar 2023 20:55

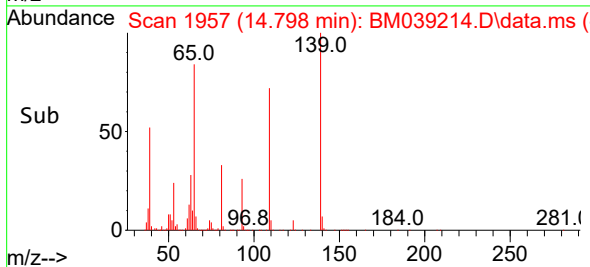
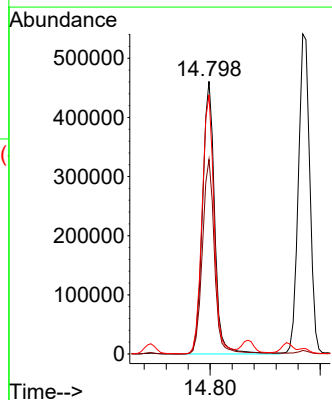
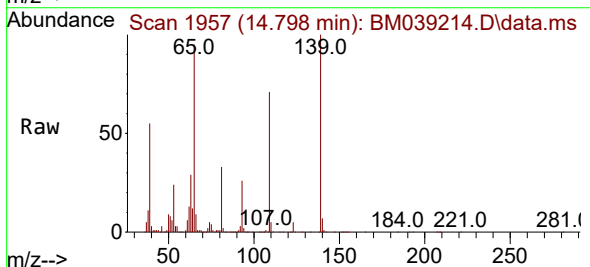
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151658BS

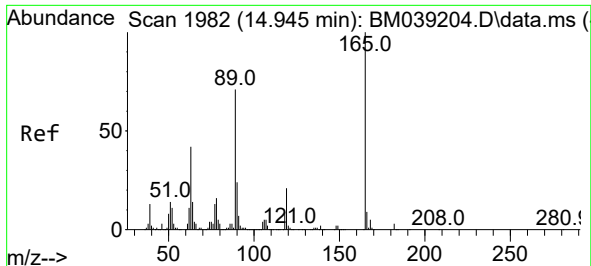
Tgt Ion:168 Resp: 2088225  
 Ion Ratio Lower Upper  
 168 100  
 139 37.5 29.4 44.2  
 169 13.6 10.6 15.8



#56  
 4-Nitrophenol  
 Concen: 100.189 ng  
 RT: 14.798 min Scan# 1957  
 Delta R.T. -0.000 min  
 Lab File: BM039214.D  
 Acq: 29 Mar 2023 20:55

Tgt Ion:139 Resp: 704264  
 Ion Ratio Lower Upper  
 139 100  
 109 71.3 49.6 89.6  
 65 95.0 72.9 112.9





#57

2,4-Dinitrotoluene

Concen: 47.855 ng

RT: 14.939 min Scan# 1981

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

Tgt Ion:165 Resp: 510461

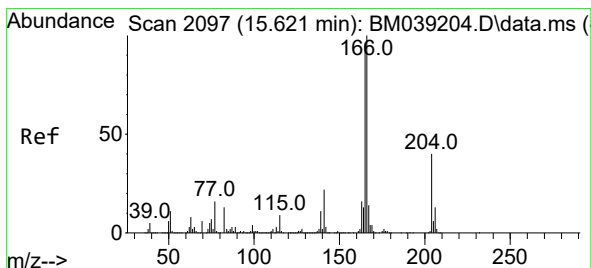
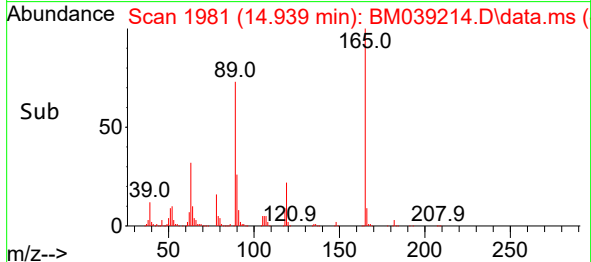
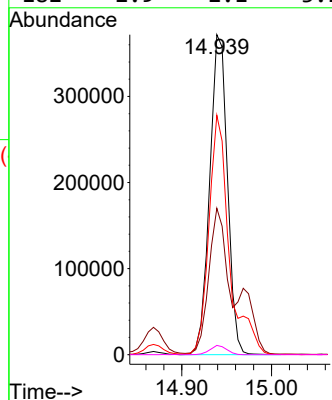
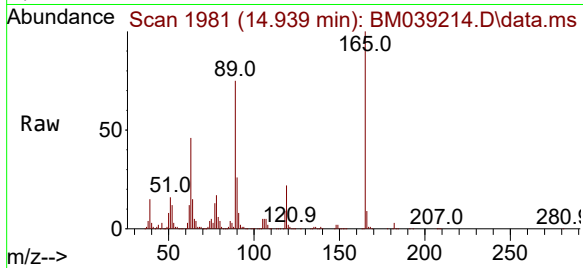
Ion Ratio Lower Upper

165 100

63 45.7 33.5 50.3

89 74.8 56.7 85.1

182 2.9 2.1 3.1



#58

Fluorene

Concen: 46.993 ng

RT: 15.621 min Scan# 2097

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

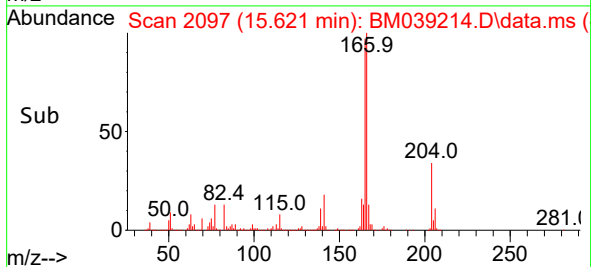
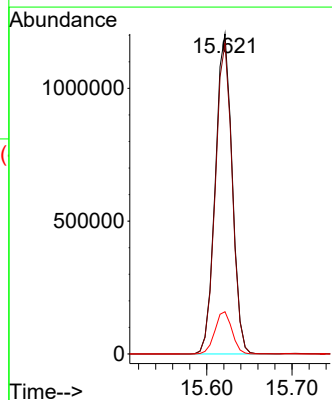
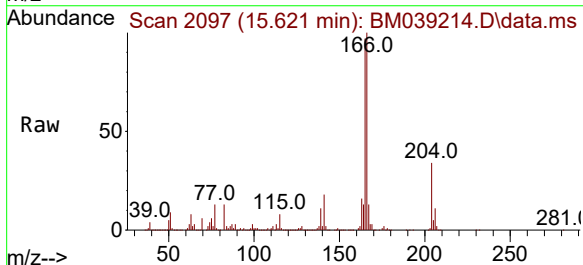
Tgt Ion:166 Resp: 1654030

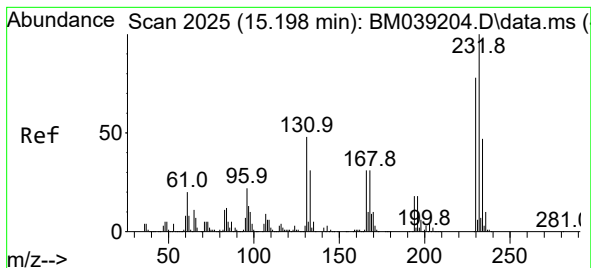
Ion Ratio Lower Upper

166 100

165 97.1 76.9 115.3

167 13.2 10.8 16.2

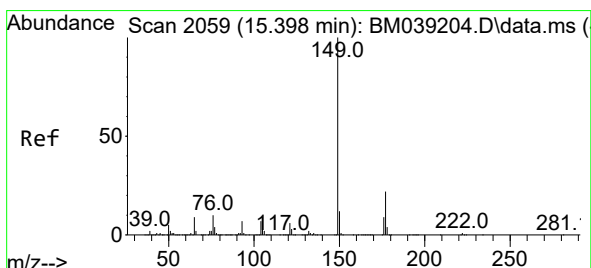
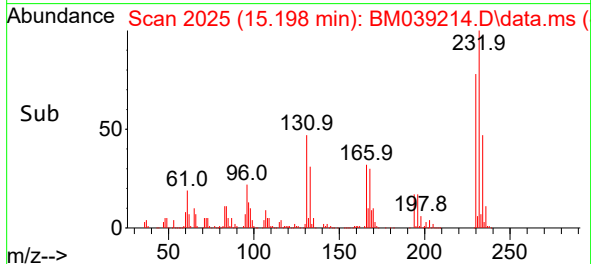
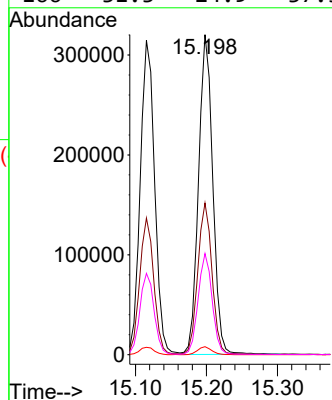
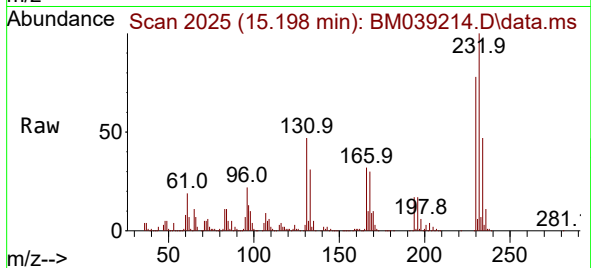




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 48.617 ng  
RT: 15.198 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

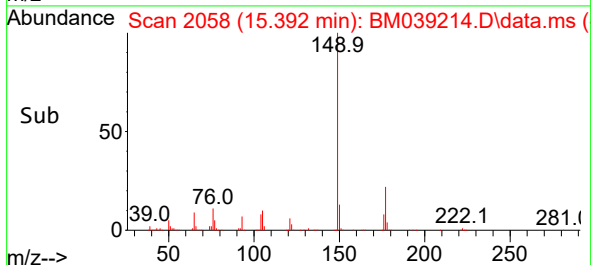
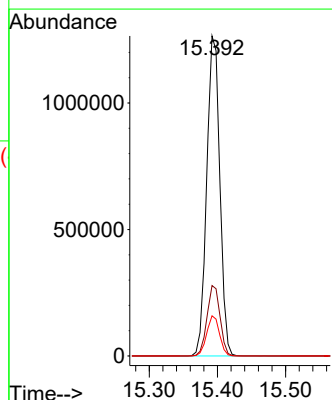
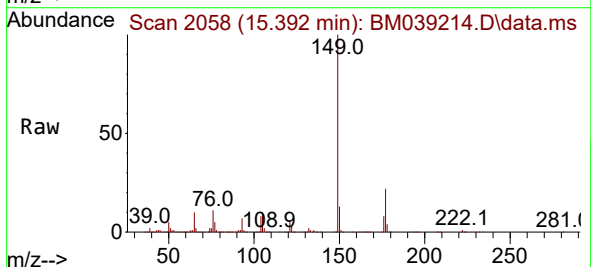
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

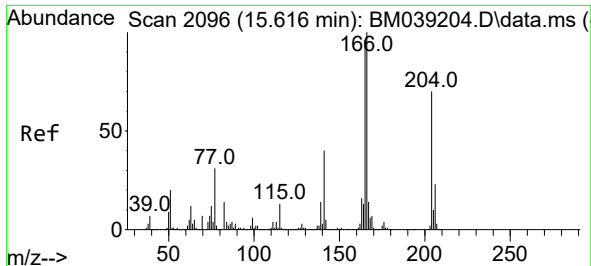
Tgt Ion:232 Resp: 447940  
Ion Ratio Lower Upper  
232 100  
131 47.4 37.7 56.5  
130 2.5 1.9 2.9  
166 31.3 24.9 37.3



#60  
Diethylphthalate  
Concen: 45.766 ng  
RT: 15.392 min Scan# 2058  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:149 Resp: 1689098  
Ion Ratio Lower Upper  
149 100  
177 22.0 17.7 26.5  
150 12.6 9.8 14.6

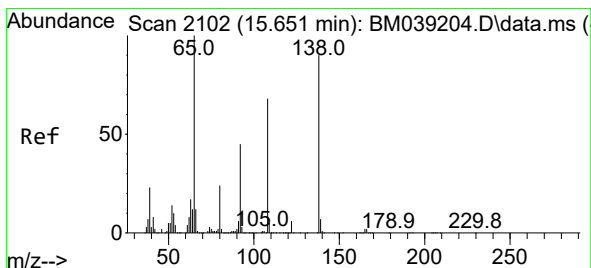
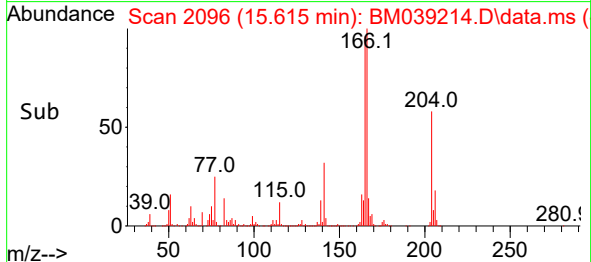
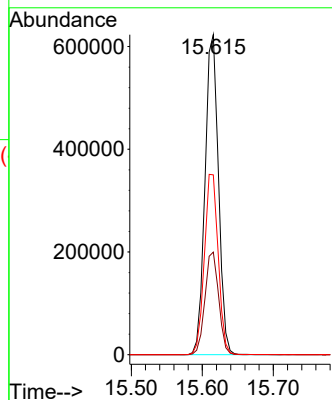
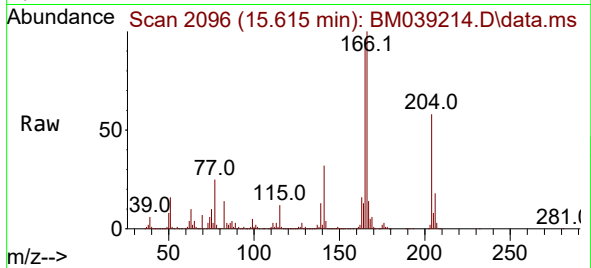




#61  
4-Chlorophenyl-phenylether  
Concen: 47.110 ng  
RT: 15.615 min Scan# 2096  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

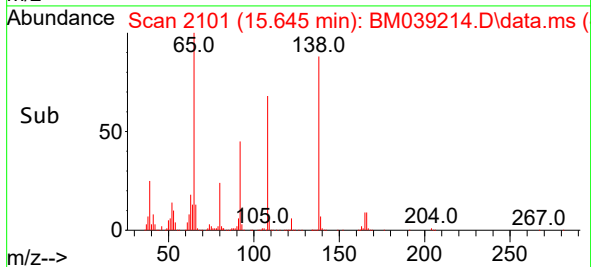
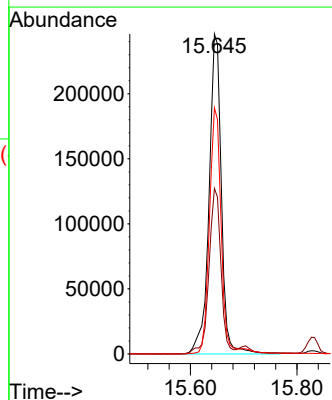
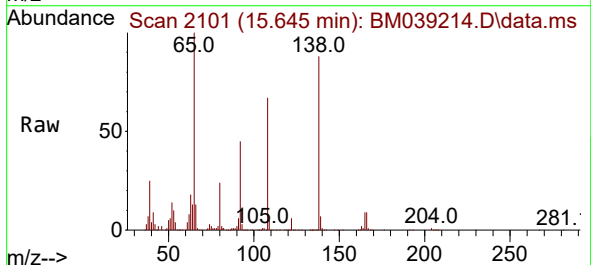
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

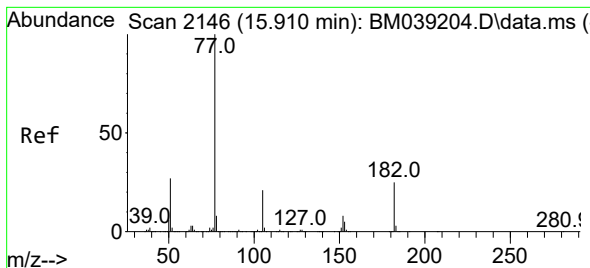
Tgt Ion:204 Resp: 821759  
Ion Ratio Lower Upper  
204 100  
206 32.1 26.1 39.1  
141 56.2 45.8 68.6



#62  
4-Nitroaniline  
Concen: 42.318 ng  
RT: 15.645 min Scan# 2101  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:138 Resp: 395868  
Ion Ratio Lower Upper  
138 100  
92 51.7 30.5 70.5  
108 76.9 55.5 95.5





#63

Azobenzene

Concen: 47.573 ng

RT: 15.904 min Scan# 2145

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

Tgt Ion: 77 Resp: 1759097

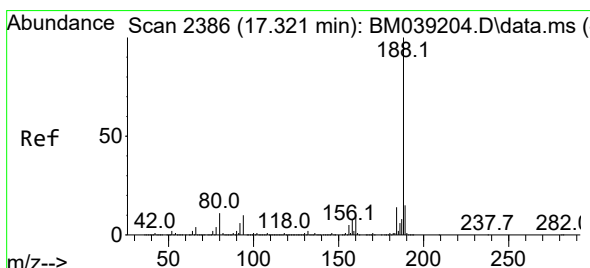
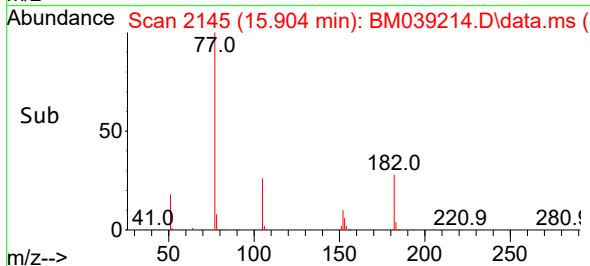
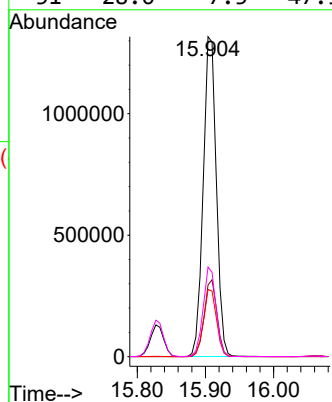
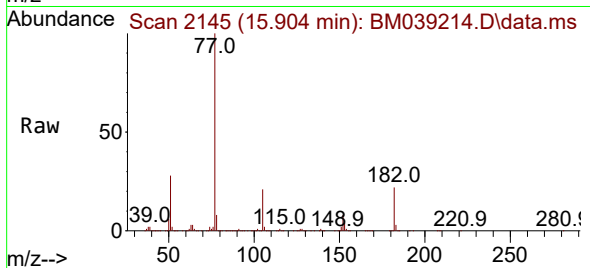
Ion Ratio Lower Upper

77 100

182 22.4 4.8 44.8

105 21.0 1.4 41.4

51 28.0 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: BM039214.D

Acq: 29 Mar 2023 20:55

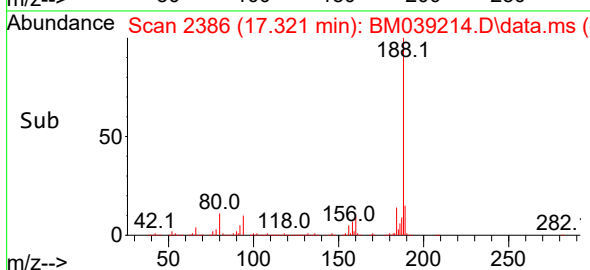
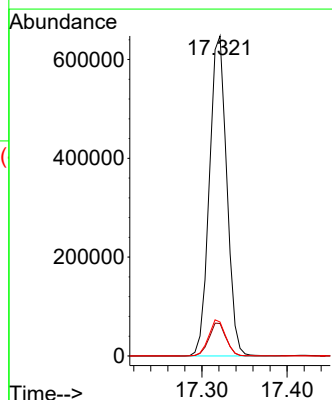
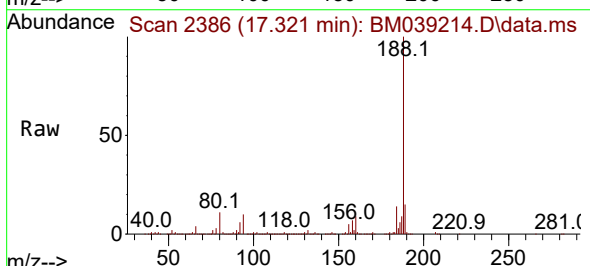
Tgt Ion:188 Resp: 915833

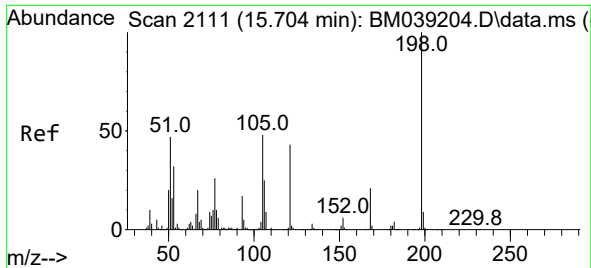
Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.4

80 10.6 8.9 13.3

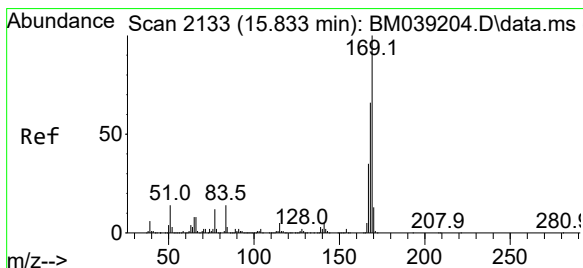
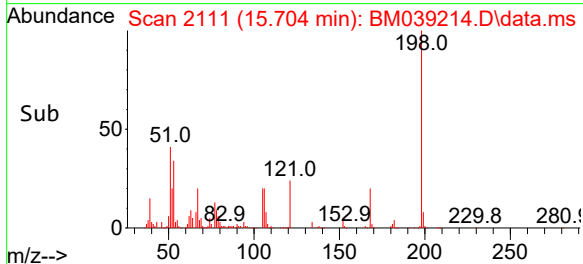
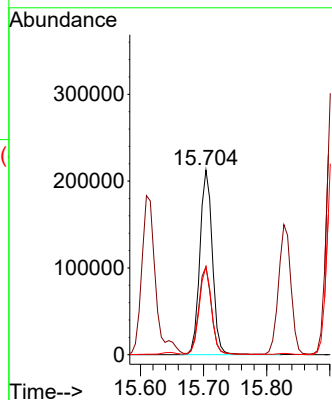
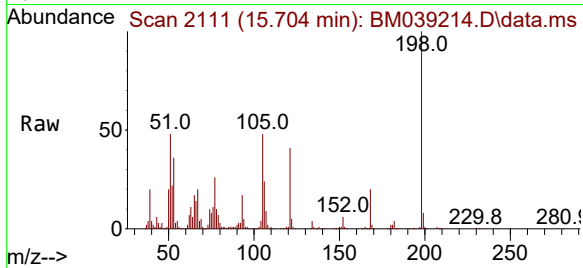




#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.465 ng  
RT: 15.704 min Scan# 2111  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

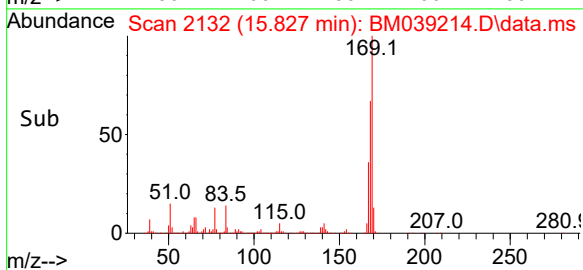
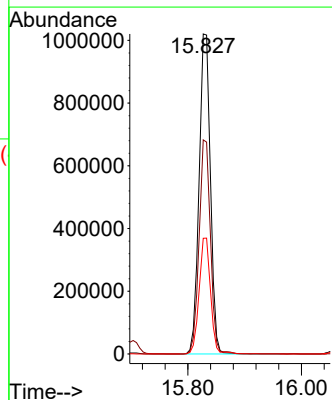
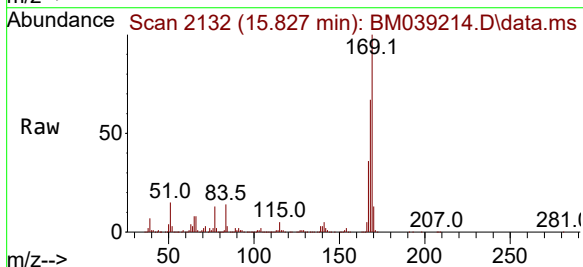
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

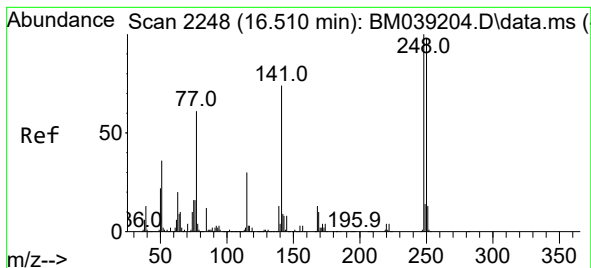
Tgt Ion:198 Resp: 292004  
Ion Ratio Lower Upper  
198 100  
51 47.7 28.9 68.9  
105 47.6 28.7 68.7



#66  
n-Nitrosodiphenylamine  
Concen: 49.172 ng  
RT: 15.827 min Scan# 2132  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:169 Resp: 1419066  
Ion Ratio Lower Upper  
169 100  
168 66.9 52.8 79.2  
167 36.1 28.4 42.6

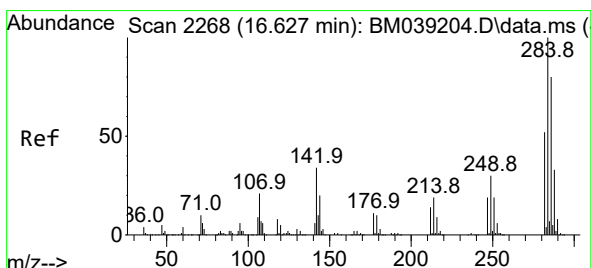
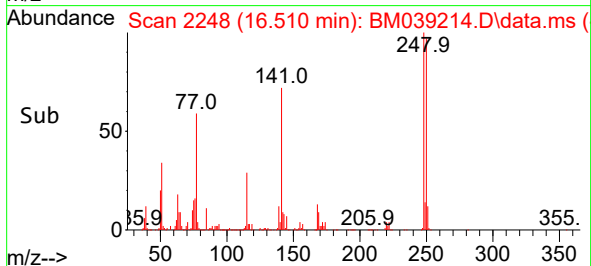
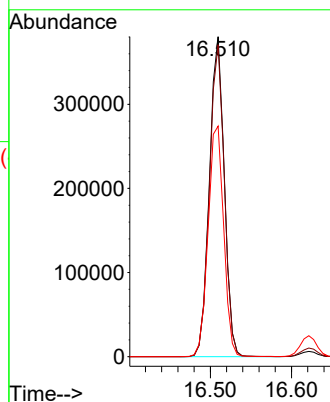
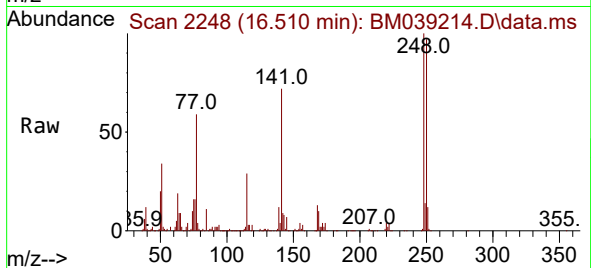




#67  
4-Bromophenyl-phenylether  
Concen: 49.508 ng  
RT: 16.510 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

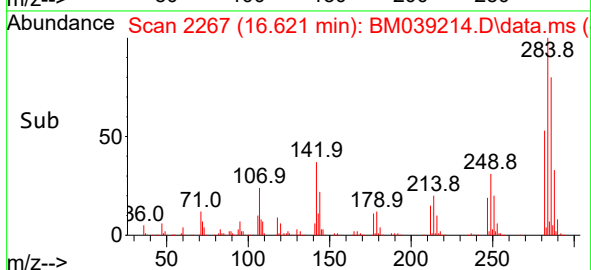
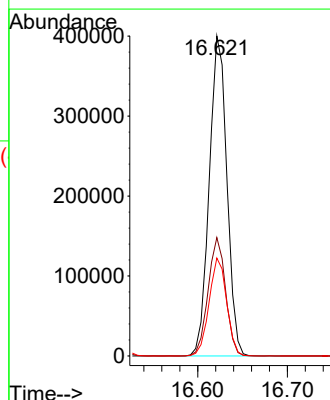
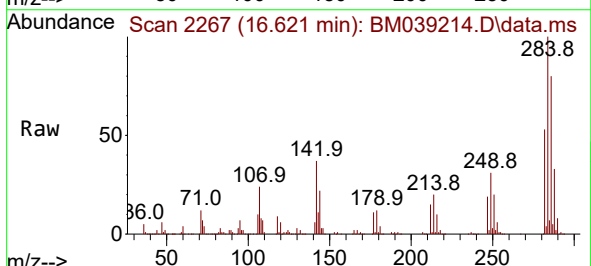
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

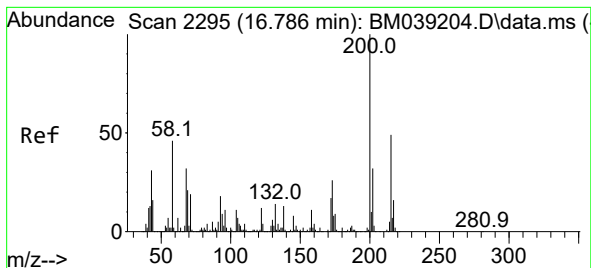
Tgt Ion:248 Resp: 484221  
Ion Ratio Lower Upper  
248 100  
250 97.5 78.8 118.2  
141 72.0 58.8 88.2



#68  
Hexachlorobenzene  
Concen: 51.493 ng  
RT: 16.621 min Scan# 2267  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:284 Resp: 546081  
Ion Ratio Lower Upper  
284 100  
142 37.0 27.4 41.2  
249 30.6 24.4 36.6





#69

Atrazine

Concen: 51.205 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

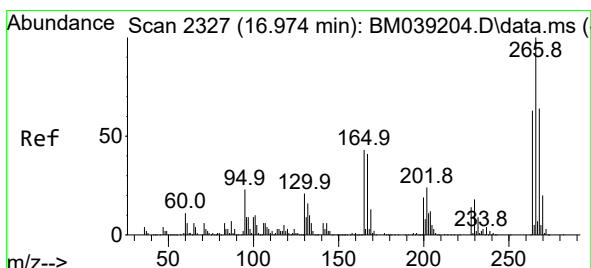
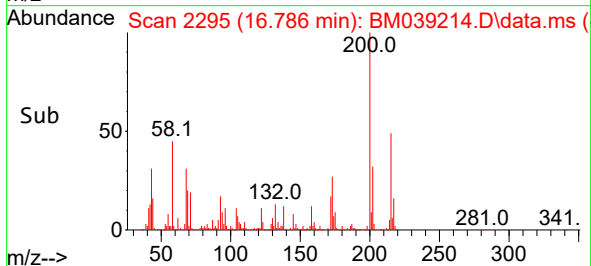
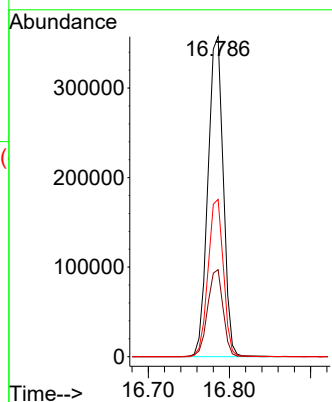
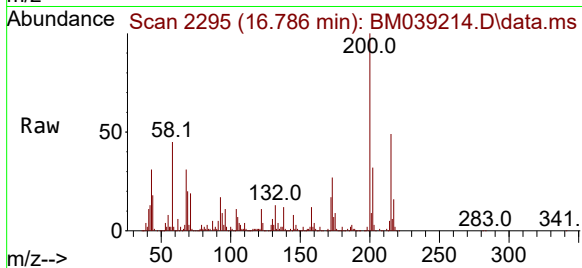
Tgt Ion:200 Resp: 468042

Ion Ratio Lower Upper

200 100

173 27.2 6.4 46.4

215 49.2 28.9 68.9



#70

Pentachlorophenol

Concen: 93.015 ng

RT: 16.968 min Scan# 2326

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

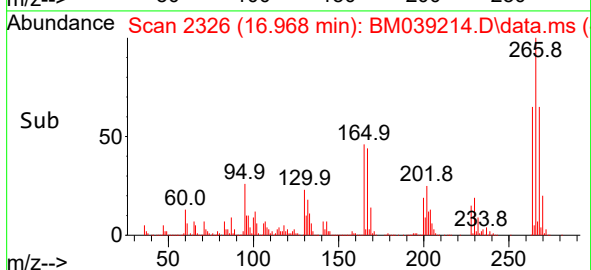
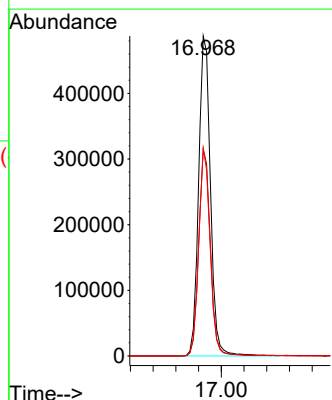
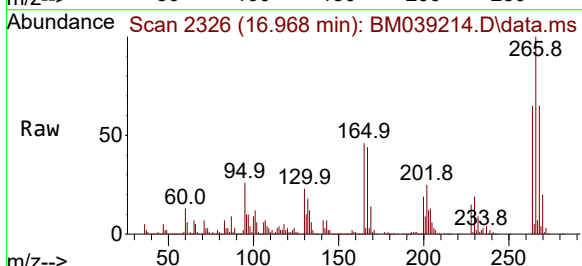
Tgt Ion:266 Resp: 707714

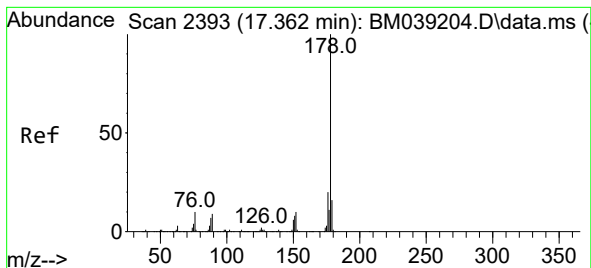
Ion Ratio Lower Upper

266 100

268 64.8 51.4 77.2

264 64.8 50.2 75.4





#71

Phenanthrene

Concen: 48.377 ng

RT: 17.362 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

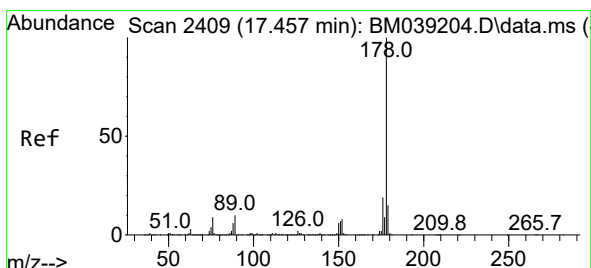
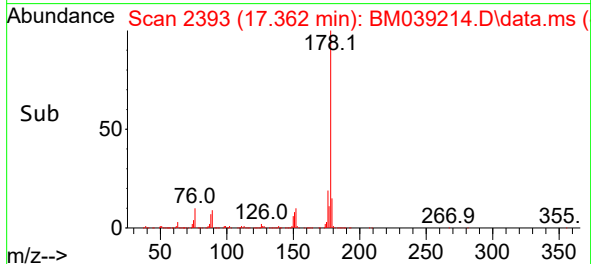
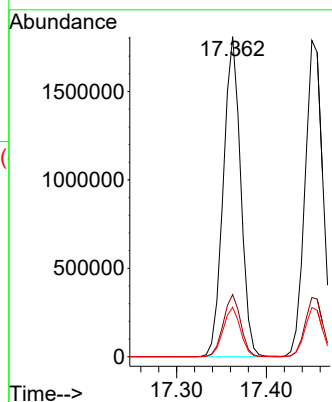
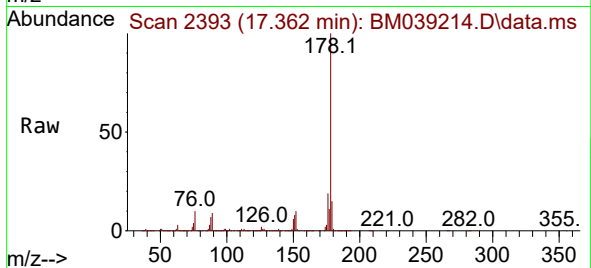
Tgt Ion:178 Resp: 2426552

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

179 15.4 12.4 18.6



#72

Anthracene

Concen: 48.352 ng

RT: 17.451 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

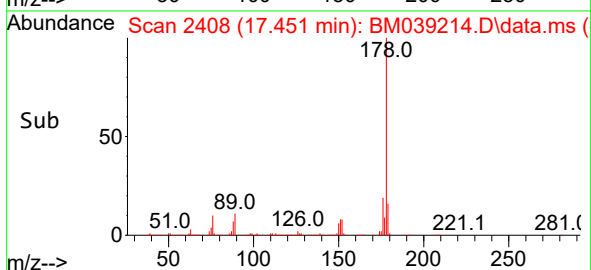
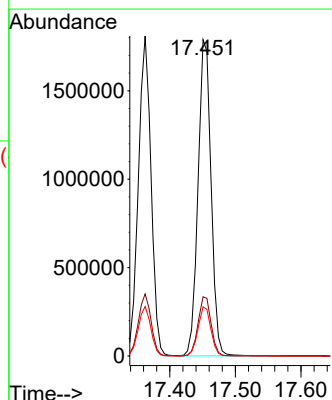
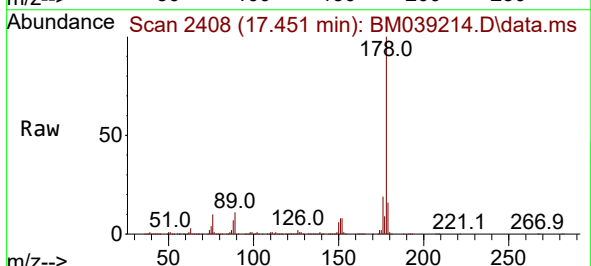
Tgt Ion:178 Resp: 2472982

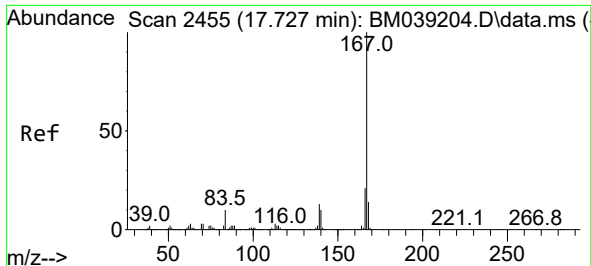
Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.5 12.2 18.2

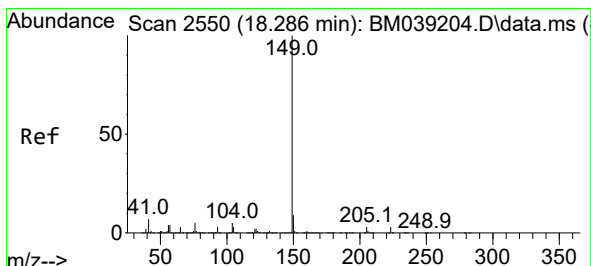
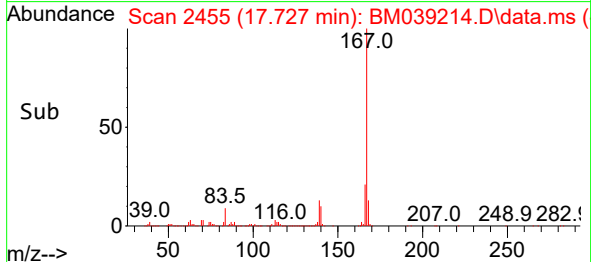
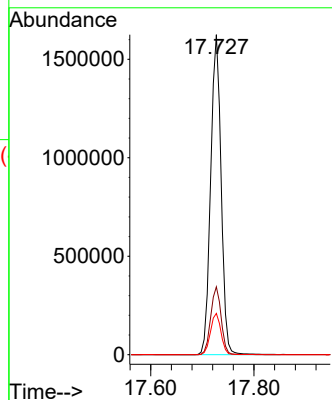
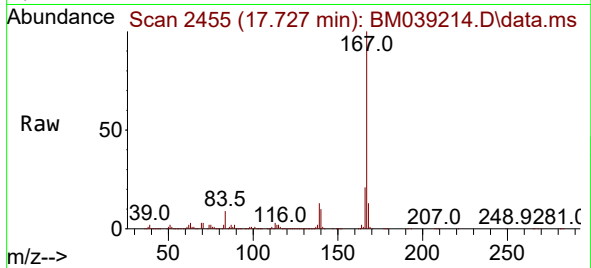




#73  
 Carbazole  
 Concen: 47.694 ng  
 RT: 17.727 min Scan# 2455  
 Delta R.T. -0.000 min  
 Lab File: BM039214.D  
 Acq: 29 Mar 2023 20:55

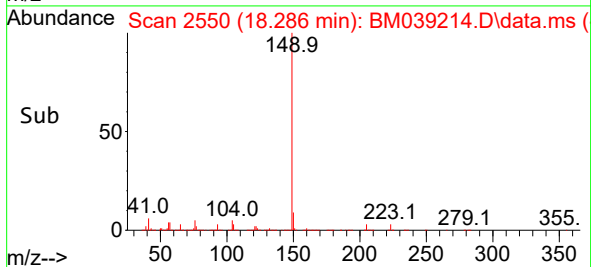
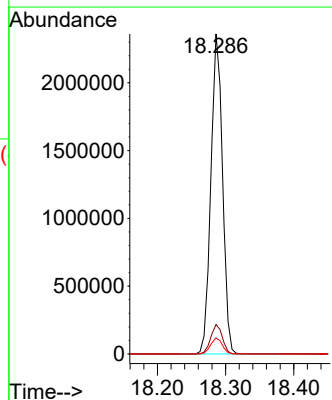
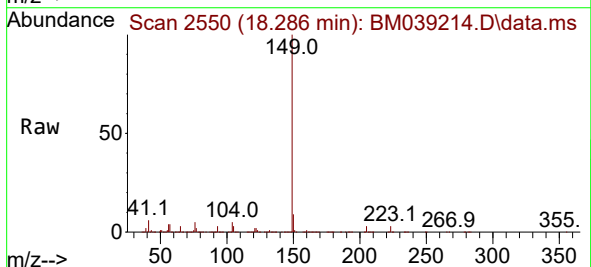
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151658BS

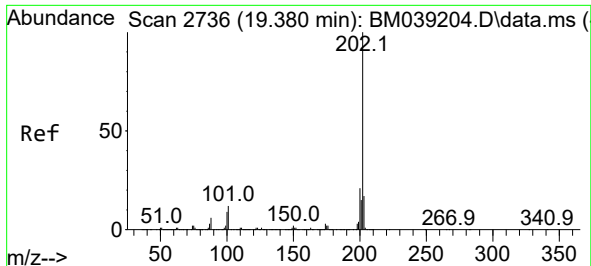
Tgt Ion:167 Resp: 2279388  
 Ion Ratio Lower Upper  
 167 100  
 166 21.2 17.2 25.8  
 139 12.9 10.6 16.0



#74  
 Di-n-butylphthalate  
 Concen: 47.435 ng  
 RT: 18.286 min Scan# 2550  
 Delta R.T. -0.000 min  
 Lab File: BM039214.D  
 Acq: 29 Mar 2023 20:55

Tgt Ion:149 Resp: 2804259  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.5 11.3  
 104 5.0 4.1 6.1

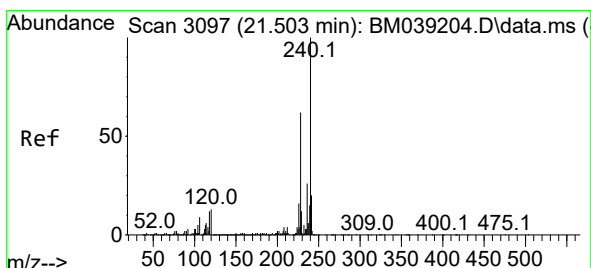
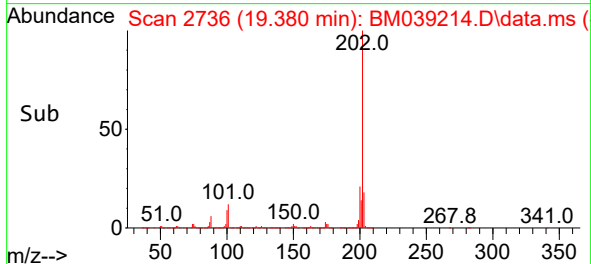
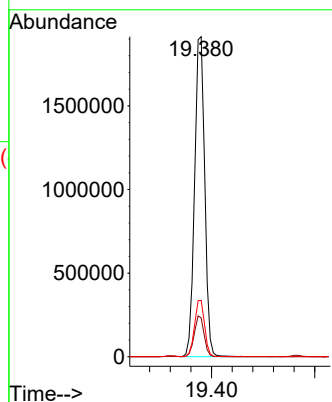
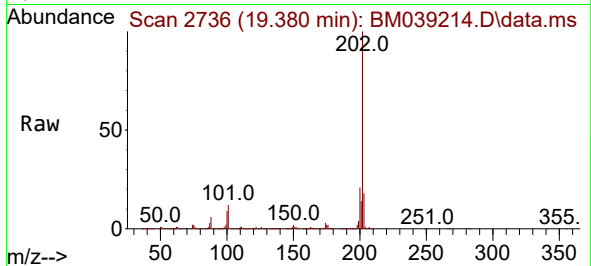




#75  
Fluoranthene  
Concen: 45.452 ng  
RT: 19.380 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

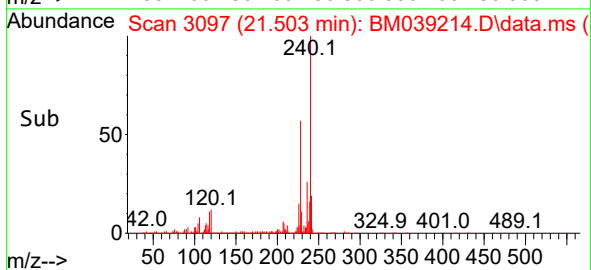
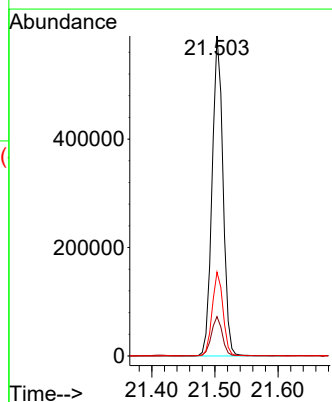
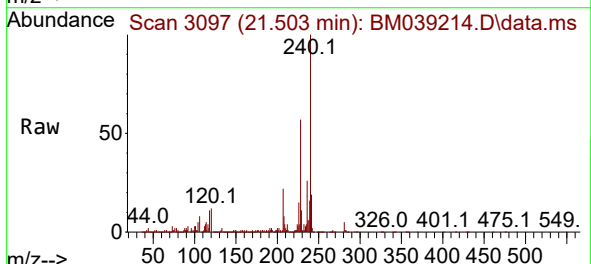
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

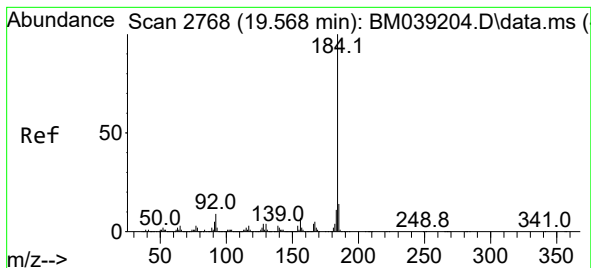
Tgt Ion:202 Resp: 2598818  
Ion Ratio Lower Upper  
202 100  
101 12.1 0.0 32.5  
203 17.6 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.503 min Scan# 3097  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:240 Resp: 708453  
Ion Ratio Lower Upper  
240 100  
120 12.3 10.2 15.2  
236 26.2 20.9 31.3





#77

Benzidine

Concen: 82.195 ng

RT: 19.562 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

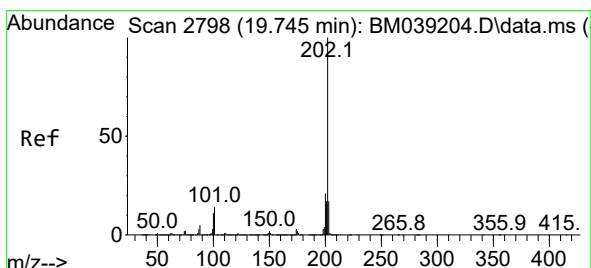
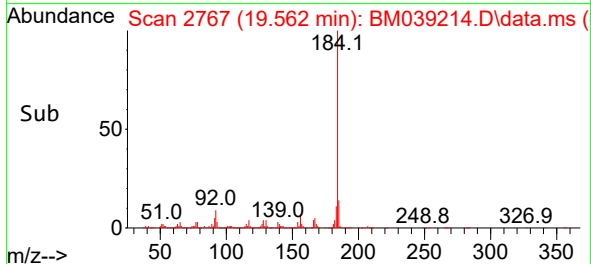
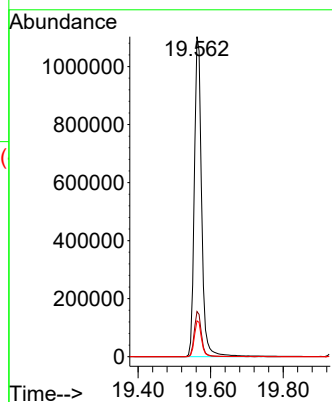
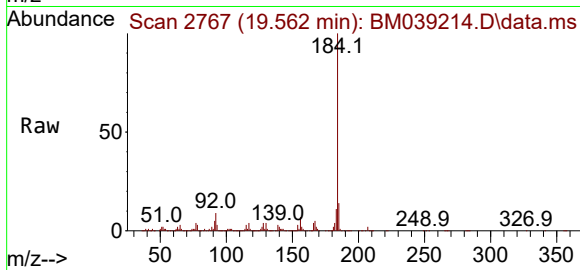
Tgt Ion:184 Resp: 1535936

Ion Ratio Lower Upper

184 100

185 14.1 11.4 17.0

183 11.2 9.0 13.4



#78

Pyrene

Concen: 53.482 ng

RT: 19.739 min Scan# 2797

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

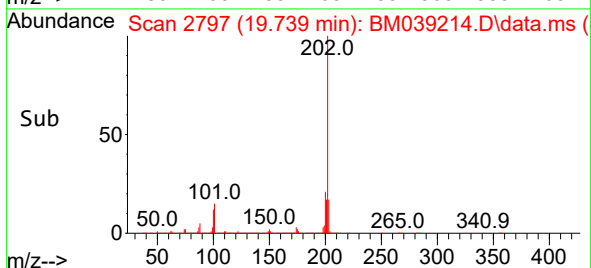
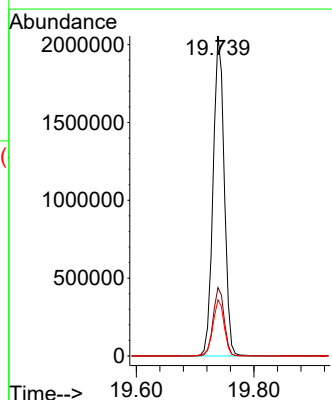
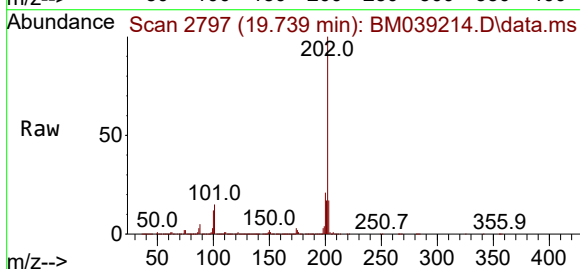
Tgt Ion:202 Resp: 2697319

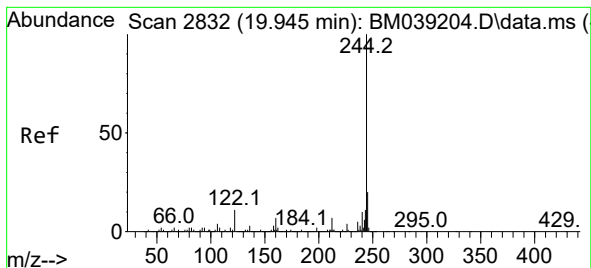
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 17.5 13.9 20.9





#79

Terphenyl-d14

Concen: 88.008 ng

RT: 19.939 min Scan# 2832

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

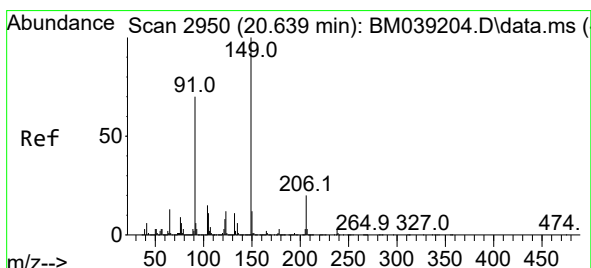
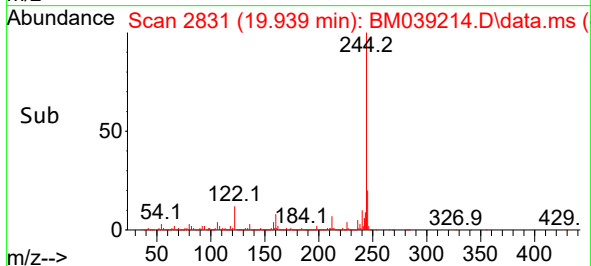
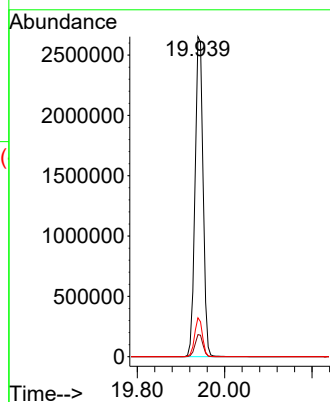
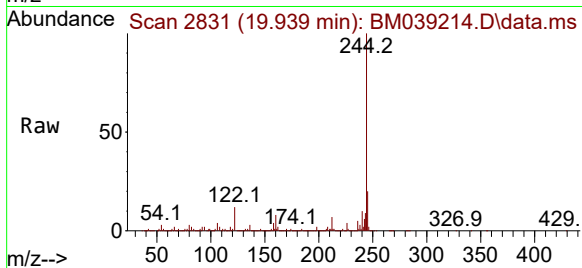
Tgt Ion:244 Resp: 3374723

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 12.1 9.1 13.7



#80

Butylbenzylphthalate

Concen: 50.750 ng

RT: 20.639 min Scan# 2950

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

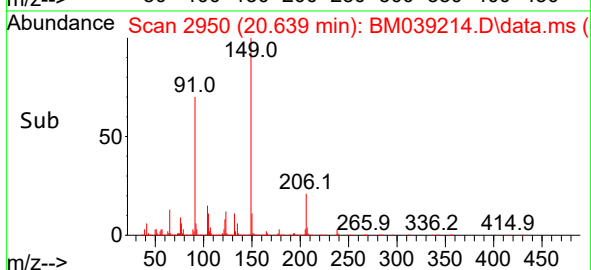
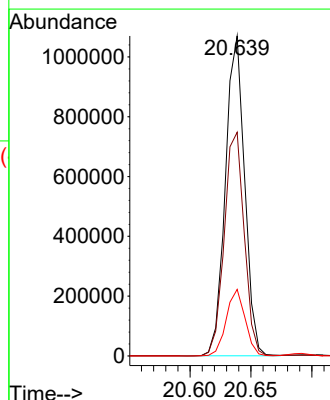
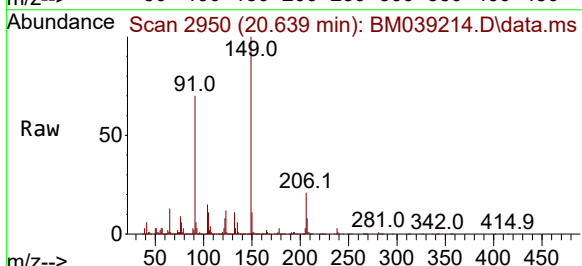
Tgt Ion:149 Resp: 1172603

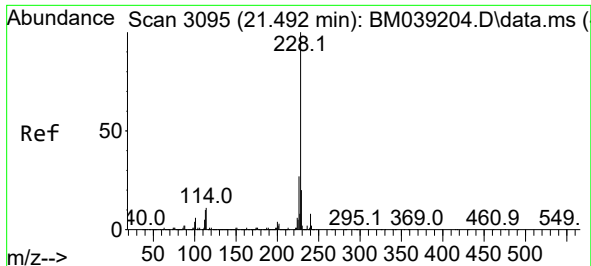
Ion Ratio Lower Upper

149 100

91 69.9 56.3 84.5

206 20.8 16.4 24.6

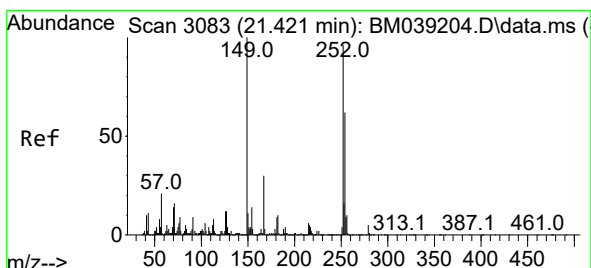
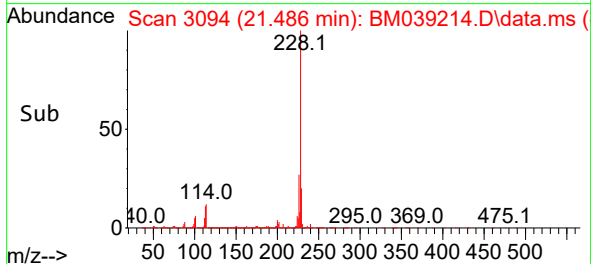
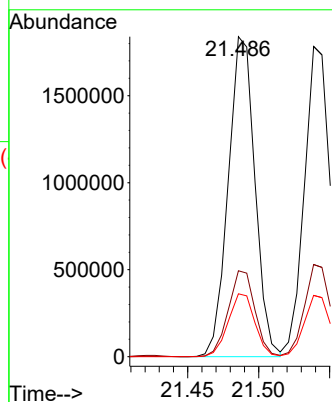
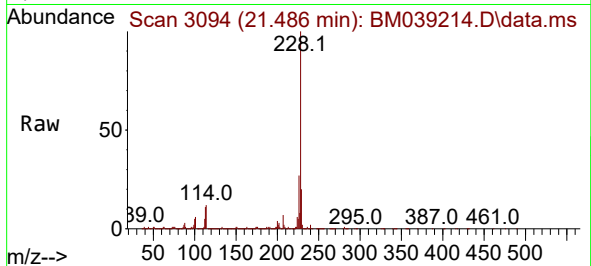




#81  
Benzo(a)anthracene  
Concen: 48.217 ng  
RT: 21.486 min Scan# 3094  
Delta R.T. -0.006 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

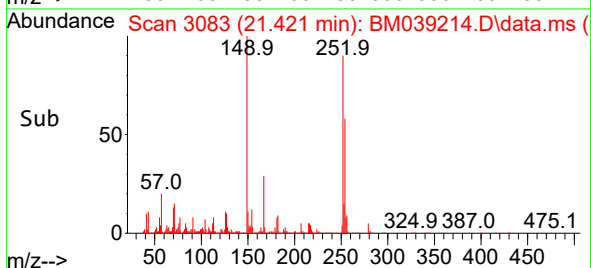
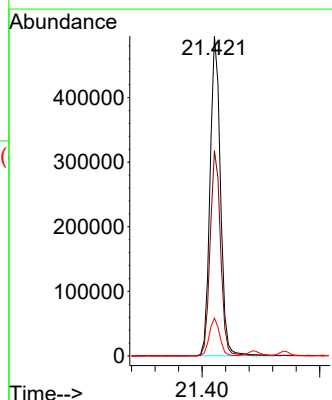
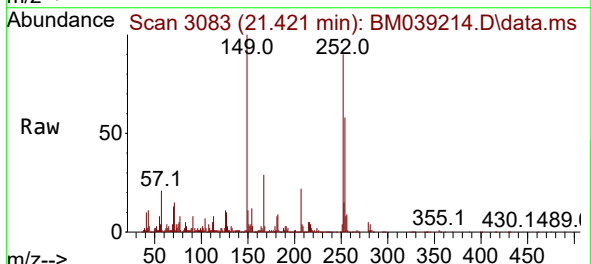
Instrument :  
BNA\_M  
ClientSampleId :  
PB151658BS

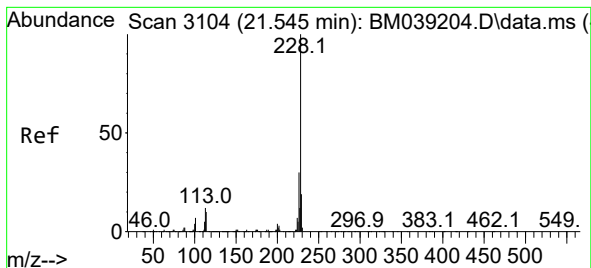
Tgt Ion:228 Resp: 2409164  
Ion Ratio Lower Upper  
228 100  
226 26.8 21.9 32.9  
229 19.7 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 36.606 ng  
RT: 21.421 min Scan# 3083  
Delta R.T. -0.000 min  
Lab File: BM039214.D  
Acq: 29 Mar 2023 20:55

Tgt Ion:252 Resp: 609277  
Ion Ratio Lower Upper  
252 100  
254 64.1 51.8 77.8  
126 11.9 10.1 15.1





#83

Chrysene

Concen: 47.109 ng

RT: 21.539 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

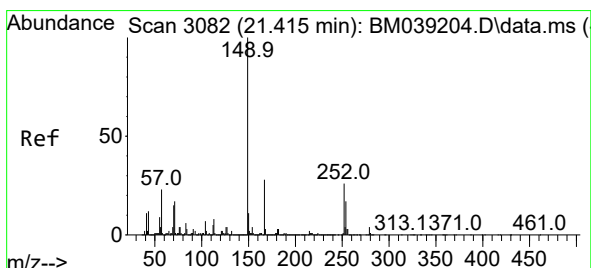
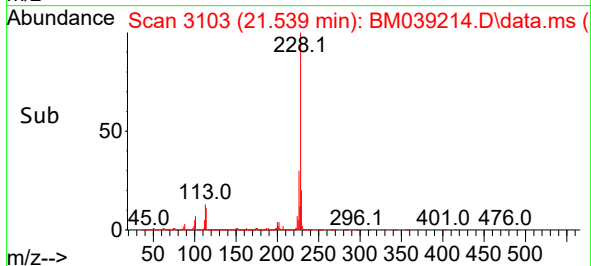
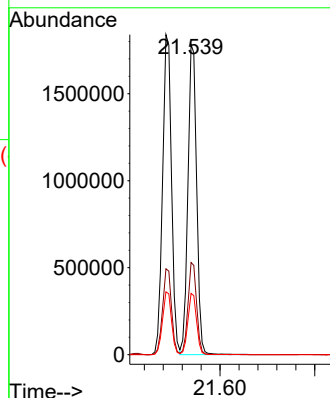
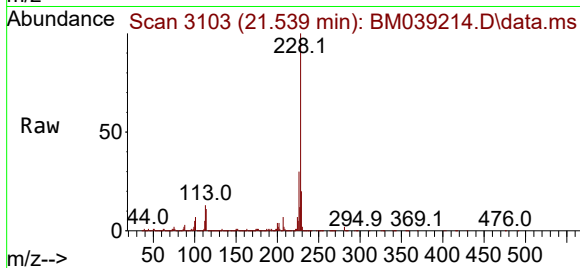
Tgt Ion:228 Resp: 2272277

Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

229 19.8 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.413 ng

RT: 21.409 min Scan# 3081

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

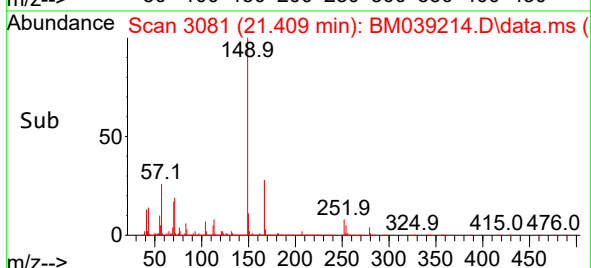
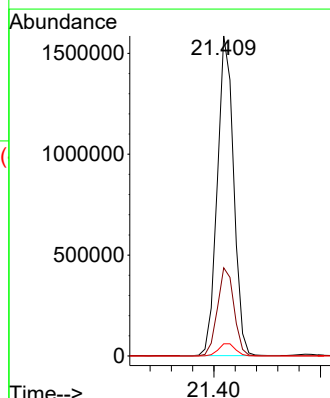
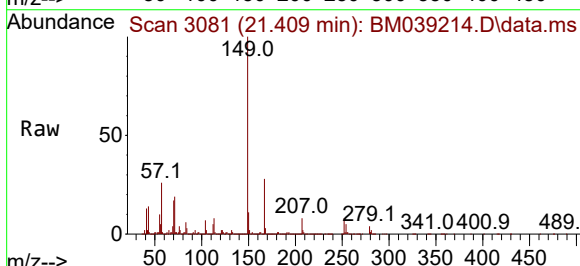
Tgt Ion:149 Resp: 1686184

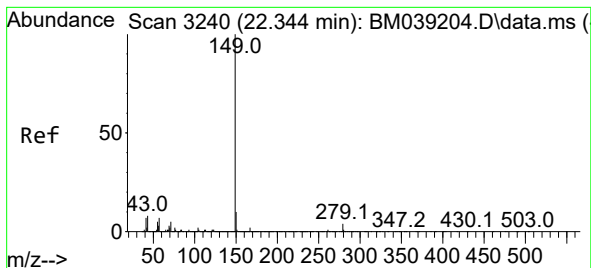
Ion Ratio Lower Upper

149 100

167 27.5 22.3 33.5

279 3.8 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 46.370 ng

RT: 22.344 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

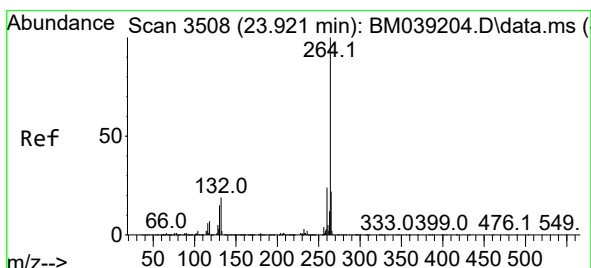
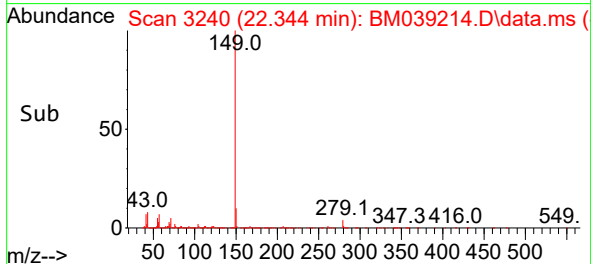
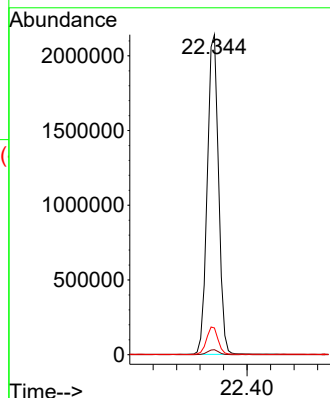
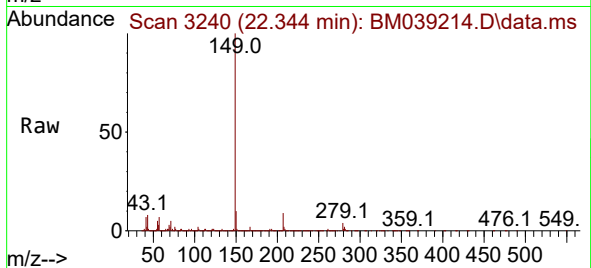
Tgt Ion:149 Resp: 2850923

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 8.7 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: BM039214.D

Acq: 29 Mar 2023 20:55

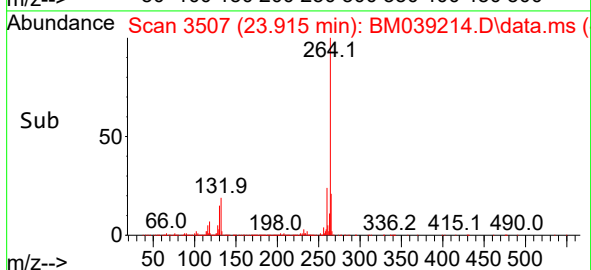
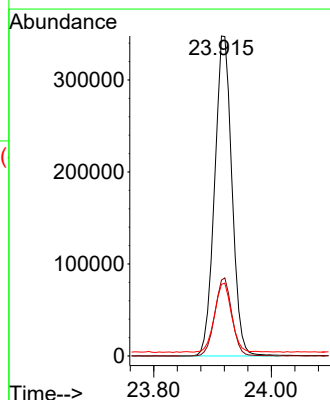
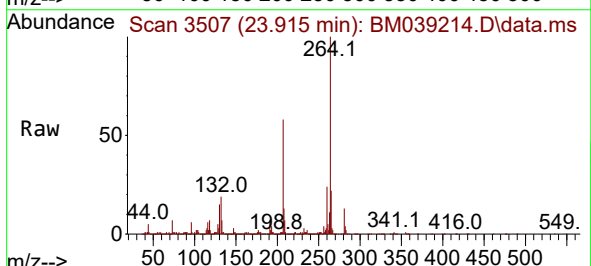
Tgt Ion:264 Resp: 710397

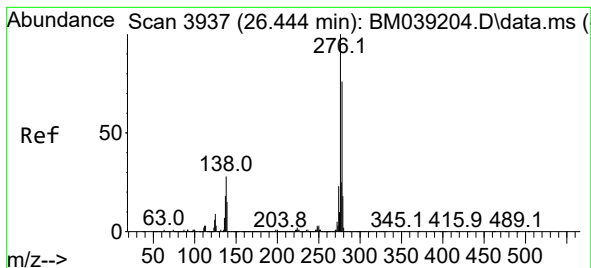
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 22.4 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.280 ng

RT: 26.438 min Scan# 3936

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

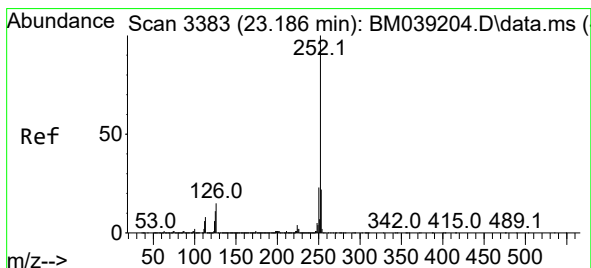
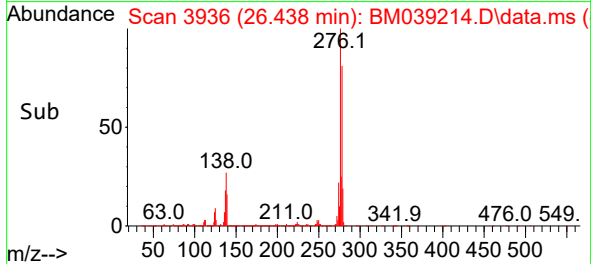
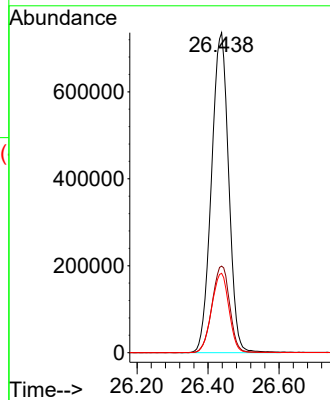
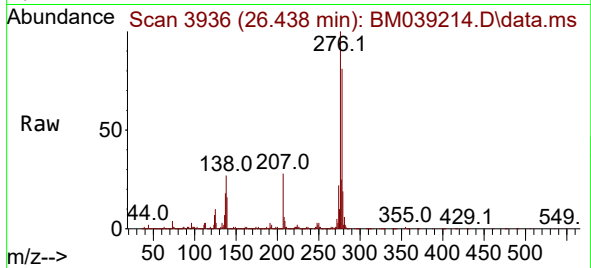
Tgt Ion:276 Resp: 2474704

Ion Ratio Lower Upper

276 100

138 27.7 22.2 33.2

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 53.579 ng

RT: 23.186 min Scan# 3383

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

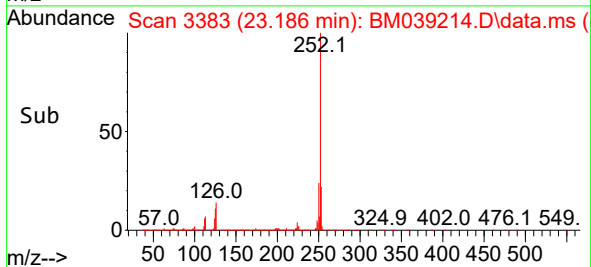
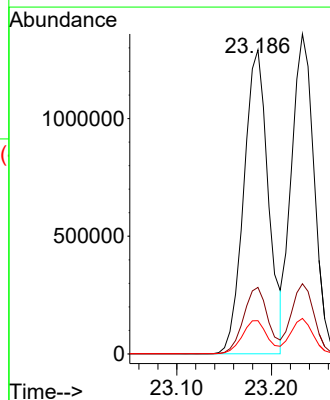
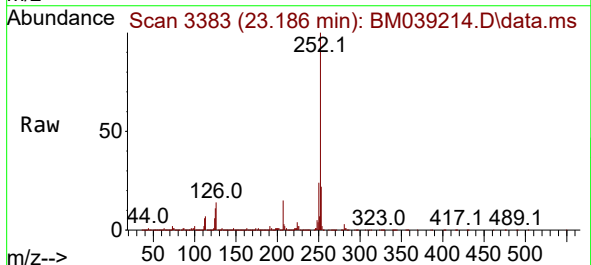
Tgt Ion:252 Resp: 2328958

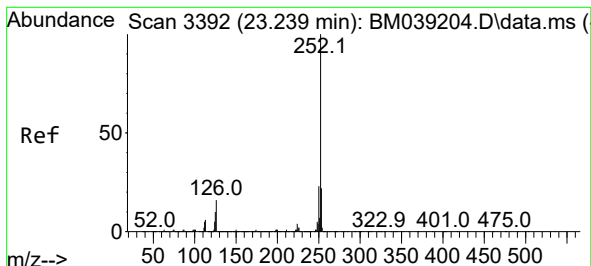
Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 10.9 9.0 13.6





#89

Benzo(k)fluoranthene

Concen: 51.075 ng

RT: 23.233 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

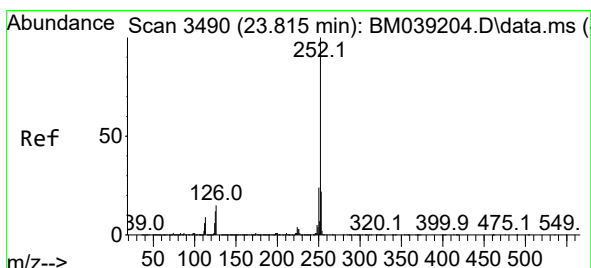
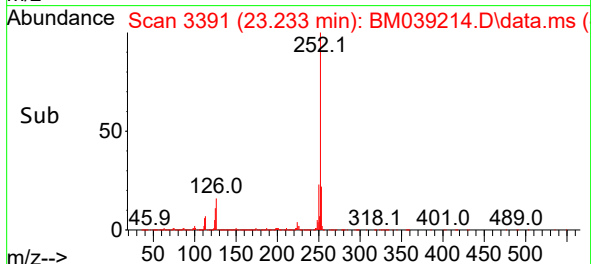
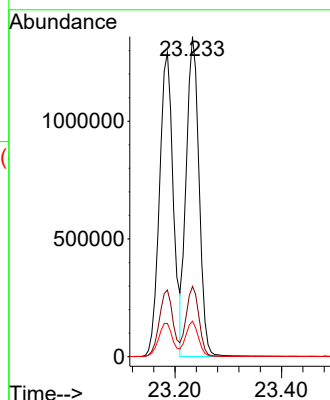
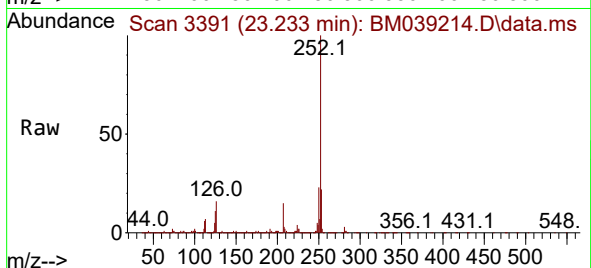
Tgt Ion:252 Resp: 2261418

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 11.1 8.5 12.7



#90

Benzo(a)pyrene

Concen: 46.473 ng

RT: 23.815 min Scan# 3490

Delta R.T. -0.000 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

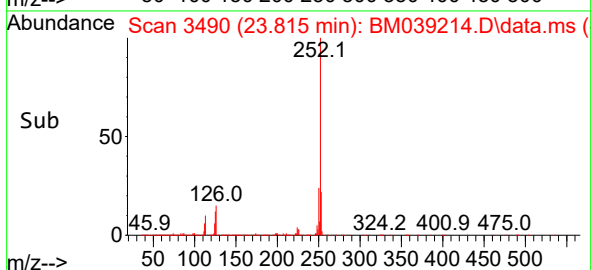
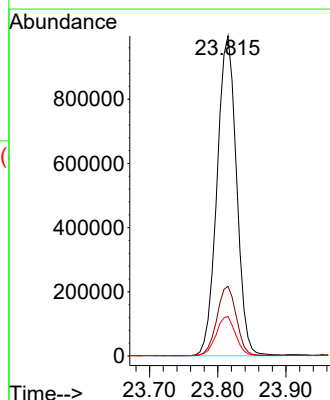
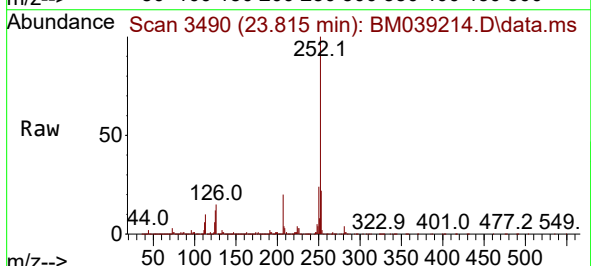
Tgt Ion:252 Resp: 1984441

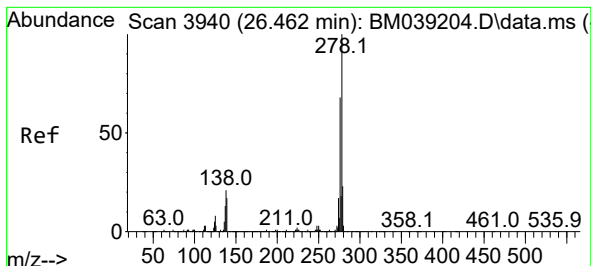
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 12.4 9.8 14.6





#91

Dibenzo(a,h)anthracene

Concen: 47.299 ng

RT: 26.450 min Scan# 3940

Delta R.T. -0.012 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Instrument :

BNA\_M

ClientSampleId :

PB151658BS

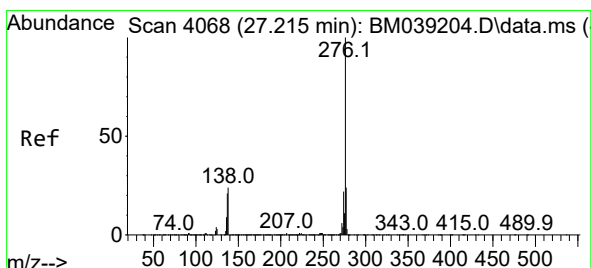
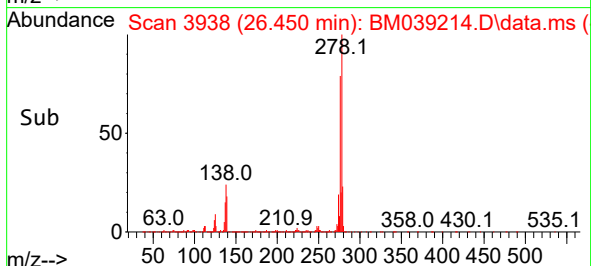
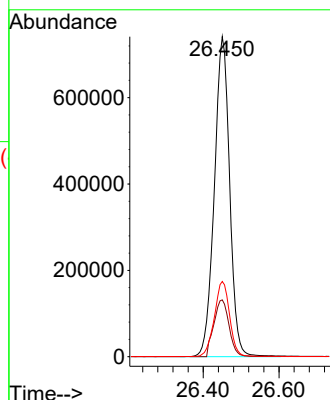
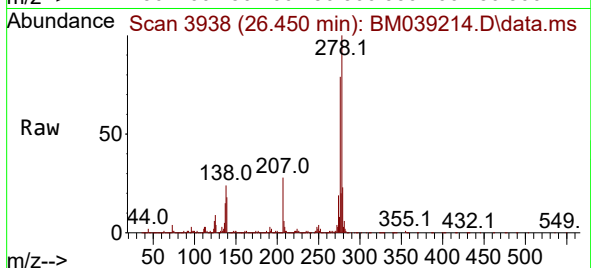
Tgt Ion:278 Resp: 2078848

Ion Ratio Lower Upper

278 100

139 17.7 13.9 20.9

279 23.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 46.655 ng

RT: 27.209 min Scan# 4067

Delta R.T. -0.006 min

Lab File: BM039214.D

Acq: 29 Mar 2023 20:55

Tgt Ion:276 Resp: 2016569

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 23.5 19.5 29.3

