

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032923\  
 Data File : BM039212.D  
 Acq On : 29 Mar 2023 19:41  
 Operator : CG/JU  
 Sample : PB151623BS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151623BS

Quant Time: Mar 30 05:55:02 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  | 235551   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.739 | 136  | 891826   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.575 | 164  | 484854   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.321 | 188  | 927005   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.503 | 240  | 708661   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.921 | 264  | 718930   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 1798558  | 115.037 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.098  | 99   | 2260253  | 111.771 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.098  | 82   | 1363154  | 74.289  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.063 | 330  | 663739   | 107.842 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.198 | 172  | 2751970  | 76.903  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.939 | 244  | 3212858  | 83.763  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.352  | 88   | 279292   | 43.704  | ng    | 99       |
| 3) Pyridine                   | 3.763  | 79   | 709556   | 39.634  | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.669  | 42   | 313901   | 44.645  | ng    | 99       |
| 6) Aniline                    | 7.251  | 93   | 984071   | 39.318  | ng    | 100      |
| 8) 2-Chlorophenol             | 7.493  | 128  | 762985   | 47.680  | ng    | 99       |
| 9) Benzaldehyde               | 7.063  | 77   | 480428   | 41.717  | ng    | 99       |
| 10) Phenol                    | 7.122  | 94   | 963323   | 47.535  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.351  | 93   | 755791   | 46.359  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.816  | 146  | 822777   | 48.483  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 7.963  | 146  | 833713   | 48.585  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.281  | 146  | 791761   | 48.254  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.175  | 79   | 638507   | 45.907  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.463  | 45   | 977630   | 46.882  | ng    | 99       |
| 17) 2-Methylphenol            | 8.381  | 107  | 621991   | 43.869  | ng    | 98       |
| 18) Hexachloroethane          | 9.010  | 117  | 323977   | 48.809  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.740  | 70   | 565888   | 43.776  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.710  | 107  | 835148   | 43.835  | ng    | 99       |
| 22) Acetophenone              | 8.757  | 105  | 1126700  | 47.251  | ng    | # 99     |
| 24) Nitrobenzene              | 9.140  | 77   | 830382   | 45.497  | ng    | 99       |
| 25) Isophorone                | 9.669  | 82   | 1516274  | 44.294  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.851  | 139  | 403030   | 47.770  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.916  | 122  | 682232   | 48.668  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 10.151 | 93   | 959601   | 46.308  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.387 | 162  | 662569   | 48.443  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.598 | 180  | 702707   | 48.024  | ng    | 97       |
| 31) Naphthalene               | 10.792 | 128  | 2218546  | 46.167  | ng    | 100      |
| 32) Benzoic acid              | 10.069 | 122  | 487531   | 44.622  | ng    | 100      |
| 33) 4-Chloroaniline           | 10.904 | 127  | 384197   | 18.249  | ng    | 100      |
| 34) Hexachlorobutadiene       | 11.069 | 225  | 411834   | 47.866  | ng    | 99       |
| 35) Caprolactam               | 11.698 | 113  | 200378   | 42.194  | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 12.033 | 107  | 686286   | 45.479  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.398 | 142  | 1461309  | 43.682  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.616 | 142  | 1352861  | 43.189  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.769 | 216  | 741133   | 50.205  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.739 | 237  | 1061748  | 131.654 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.010 | 196  | 493850   | 49.054  | ng    | 99       |

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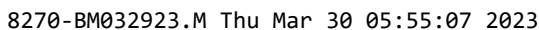
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB151623BS

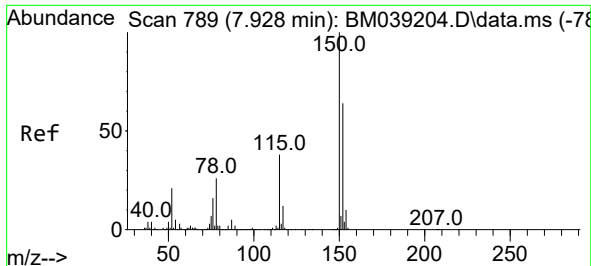
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 30 05:15:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.080 | 196  | 519288   | 43.999 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.410 | 154  | 1865300  | 48.718 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.451 | 162  | 1409897  | 48.633 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.657 | 65   | 435262   | 44.616 | ng    | 98       |
| 49) Acenaphthylene            | 14.298 | 152  | 2190563  | 45.975 | ng    | 99       |
| 50) Dimethylphthalate         | 14.033 | 163  | 1649880  | 44.154 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.157 | 165  | 361112   | 44.940 | ng    | 100      |
| 52) Acenaphthene              | 14.639 | 154  | 1294133  | 45.998 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.480 | 138  | 234388   | 25.232 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 14.692 | 184  | 470108   | 98.790 | ng    | 98       |
| 55) Dibenzofuran              | 14.974 | 168  | 2035524  | 44.939 | ng    | 100      |
| 56) 4-Nitrophenol             | 14.798 | 139  | 674853   | 94.211 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.939 | 165  | 490410   | 45.116 | ng    | 96       |
| 58) Fluorene                  | 15.621 | 166  | 1596030  | 44.498 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.198 | 232  | 430248   | 45.824 | ng    | 100      |
| 60) Diethylphthalate          | 15.392 | 149  | 1625905  | 43.230 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.616 | 204  | 793812   | 44.657 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.645 | 138  | 384583   | 40.344 | ng    | 99       |
| 63) Azobenzene                | 15.910 | 77   | 1691165  | 44.881 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.704 | 198  | 278508   | 45.668 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.827 | 169  | 1368151  | 46.836 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.510 | 248  | 466094   | 47.081 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.621 | 284  | 526400   | 49.039 | ng    | 96       |
| 69) Atrazine                  | 16.780 | 200  | 446919   | 48.305 | ng    | 99       |
| 70) Pentachlorophenol         | 16.968 | 266  | 676939   | 87.898 | ng    | 100      |
| 71) Phenanthrene              | 17.363 | 178  | 2320829  | 45.712 | ng    | 99       |
| 72) Anthracene                | 17.451 | 178  | 2367610  | 45.734 | ng    | 99       |
| 73) Carbazole                 | 17.727 | 167  | 2177567  | 45.015 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.286 | 149  | 2679755  | 44.782 | ng    | 100      |
| 75) Fluoranthene              | 19.380 | 202  | 2482898  | 42.901 | ng    | 99       |
| 77) Benzidine                 | 19.562 | 184  | 1494222  | 79.939 | ng    | 100      |
| 78) Pyrene                    | 19.739 | 202  | 2589610  | 51.331 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.639 | 149  | 1107723  | 47.928 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.486 | 228  | 2300904  | 46.037 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.421 | 252  | 599009   | 35.978 | ng    | 99       |
| 83) Chrysene                  | 21.545 | 228  | 2163474  | 44.840 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.409 | 149  | 1613187  | 47.260 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.345 | 149  | 2703193  | 43.955 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.433 | 276  | 2360319  | 44.559 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.186 | 252  | 2247901  | 51.100 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.233 | 252  | 2155940  | 48.115 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.815 | 252  | 1906243  | 44.112 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.450 | 278  | 1988924  | 44.716 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 27.209 | 276  | 1908584  | 43.633 | ng    | 100      |

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

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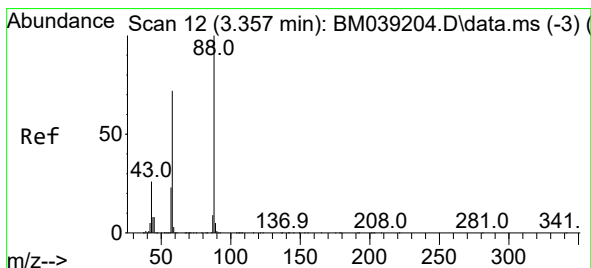
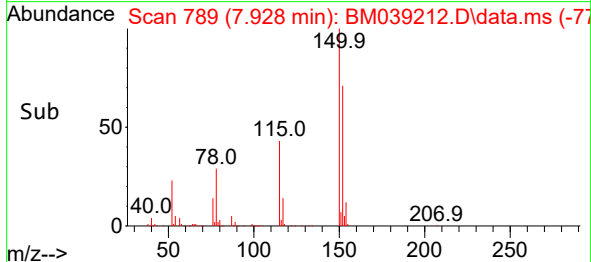
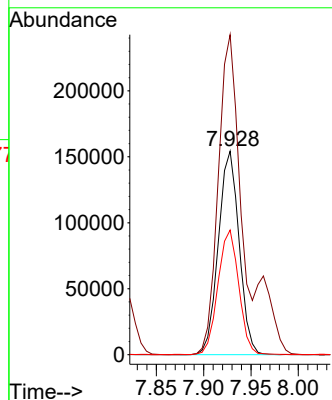
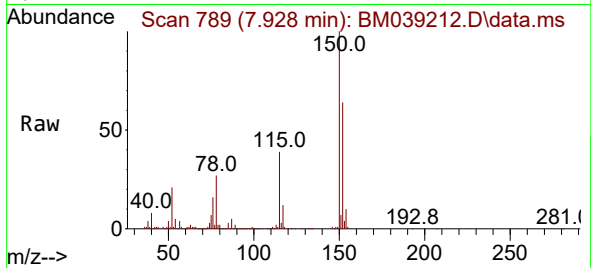




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.928 min Scan# 789  
Delta R.T. -0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

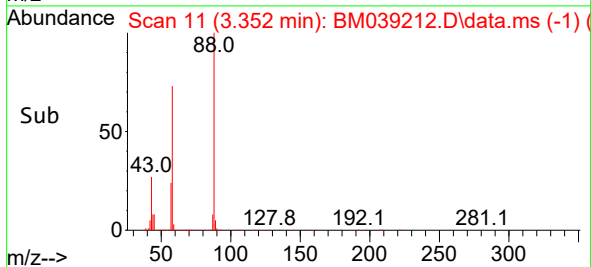
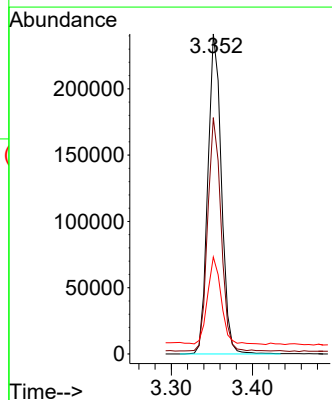
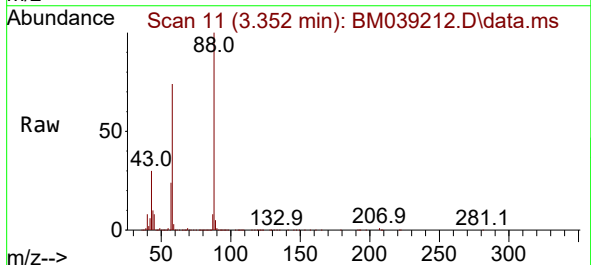
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BNA\_M  
ClientSampleId :  
PB151623BS

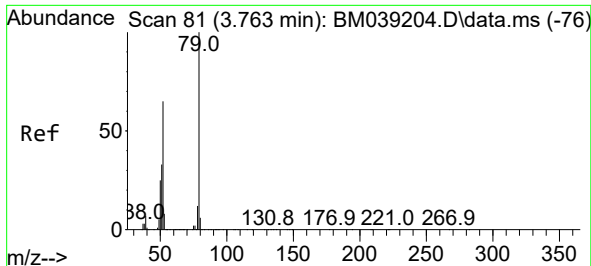
Tgt Ion:152 Resp: 235551  
Ion Ratio Lower Upper  
152 100  
150 157.2 125.5 188.3  
115 61.2 48.1 72.1



#2  
1,4-Dioxane  
Concen: 43.704 ng  
RT: 3.352 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion: 88 Resp: 279292  
Ion Ratio Lower Upper  
88 100  
58 71.7 57.9 86.9  
43 27.7 21.4 32.2

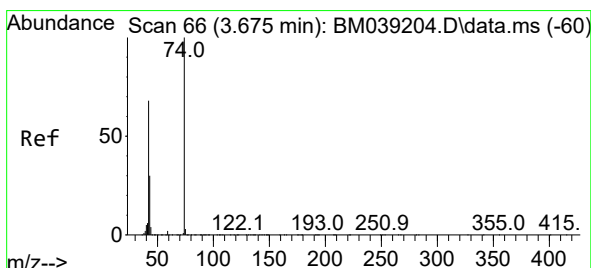
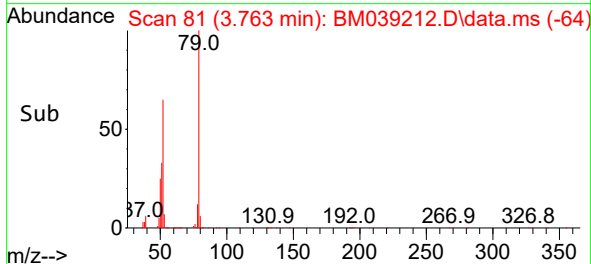
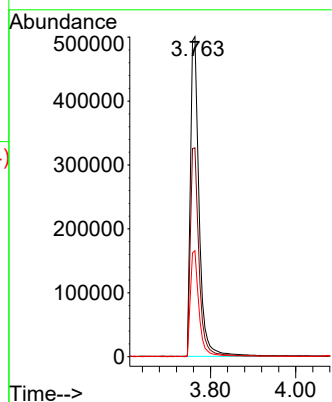
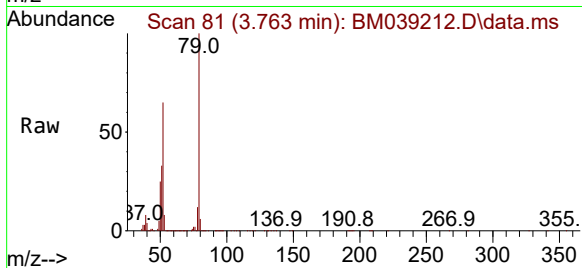




#3  
 Pyridine  
 Concen: 39.634 ng  
 RT: 3.763 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: BM039212.D  
 Acq: 29 Mar 2023 19:41

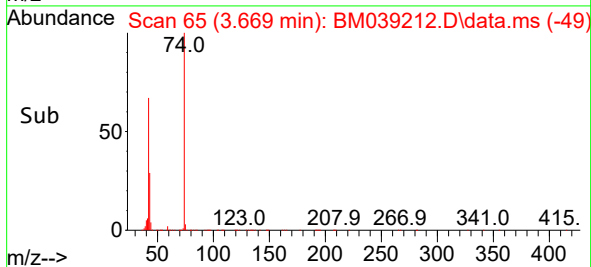
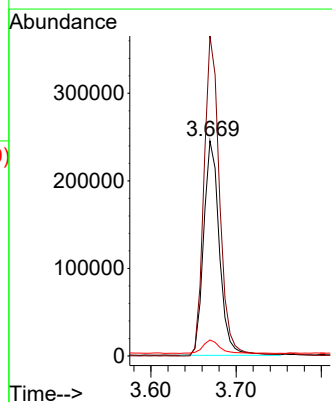
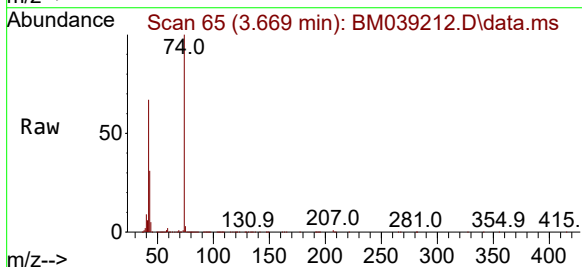
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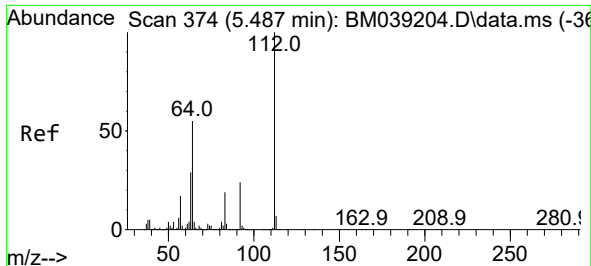
Tgt Ion: 79 Resp: 709556  
 Ion Ratio Lower Upper  
 79 100  
 52 65.2 52.0 78.0  
 51 33.1 26.4 39.6



#4  
 n-Nitrosodimethylamine  
 Concen: 44.645 ng  
 RT: 3.669 min Scan# 65  
 Delta R.T. -0.006 min  
 Lab File: BM039212.D  
 Acq: 29 Mar 2023 19:41

Tgt Ion: 42 Resp: 313901  
 Ion Ratio Lower Upper  
 42 100  
 74 148.8 118.1 177.1  
 44 7.4 6.3 9.5

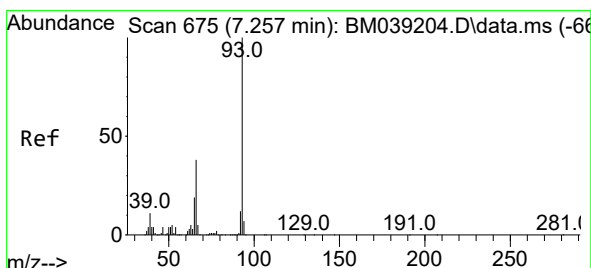
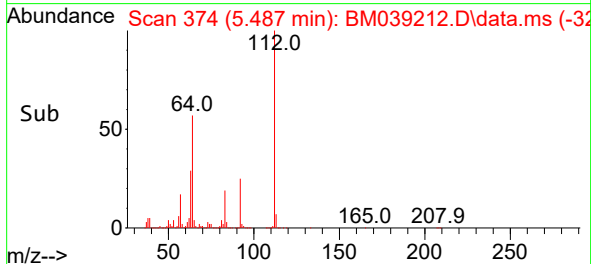
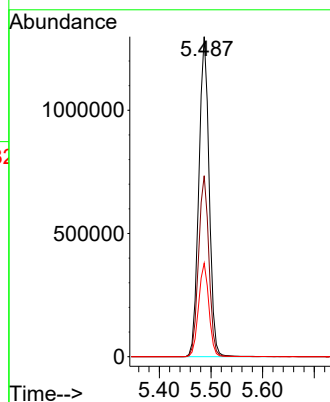
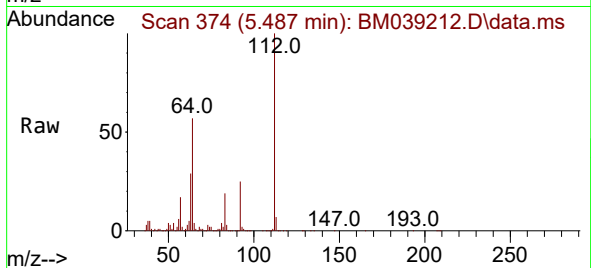




#5  
2-Fluorophenol  
Concen: 115.037 ng  
RT: 5.487 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

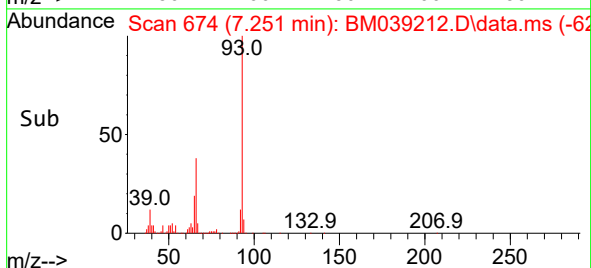
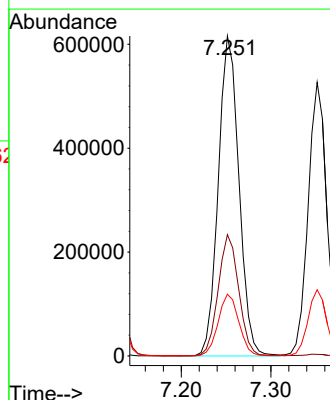
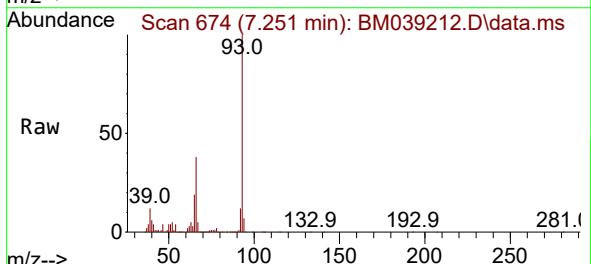
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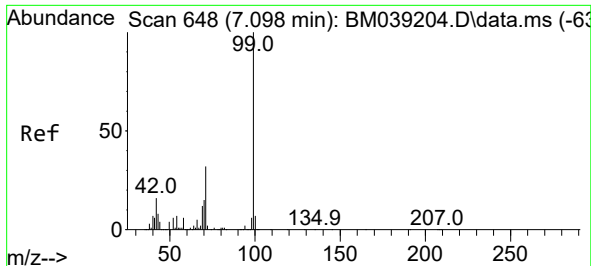
Tgt Ion:112 Resp: 1798558  
Ion Ratio Lower Upper  
112 100  
64 56.6 44.3 66.5  
63 29.2 23.0 34.6



#6  
Aniline  
Concen: 39.318 ng  
RT: 7.251 min Scan# 674  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
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Tgt Ion: 93 Resp: 984071  
Ion Ratio Lower Upper  
93 100  
66 37.9 30.1 45.1  
65 19.3 15.5 23.3

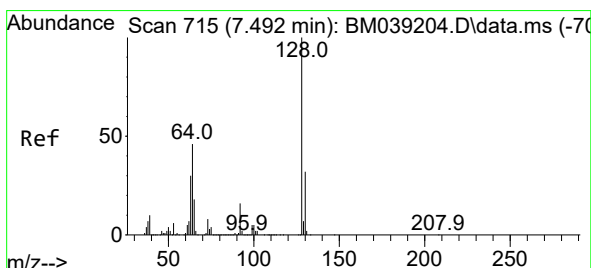
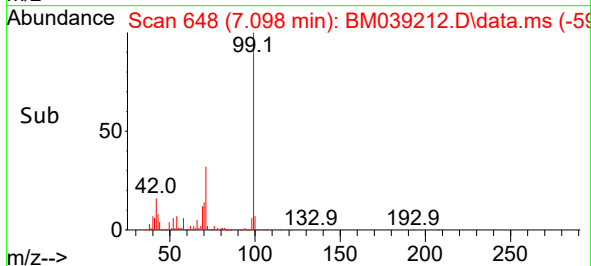
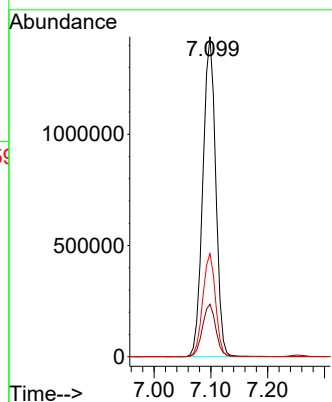
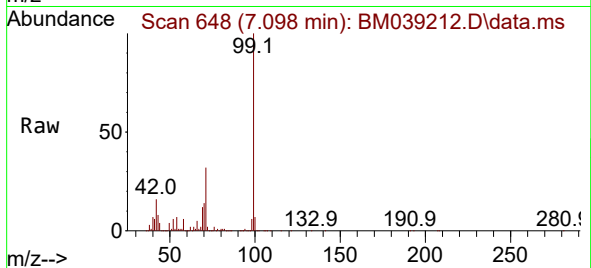




#7  
Phenol-d6  
Concen: 111.771 ng  
RT: 7.098 min Scan# 648  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

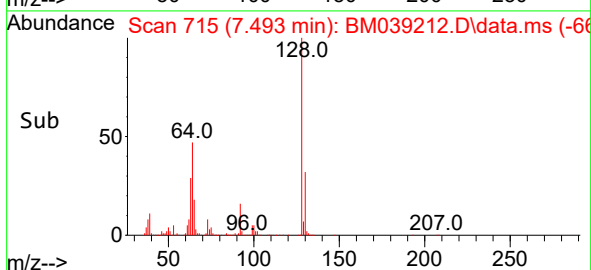
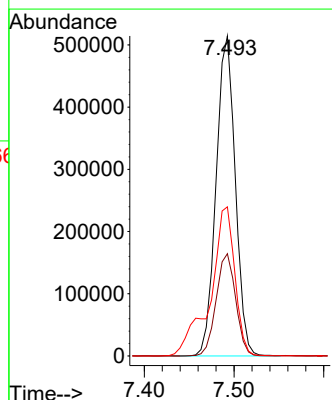
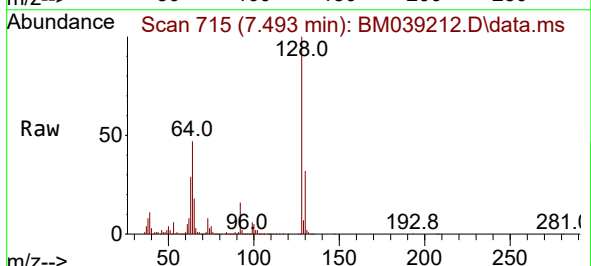
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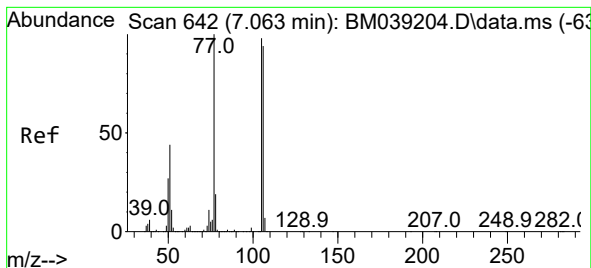
Tgt Ion: 99 Resp: 2260253  
Ion Ratio Lower Upper  
99 100  
42 16.4 13.0 19.6  
71 32.2 25.5 38.3



#8  
2-Chlorophenol  
Concen: 47.680 ng  
RT: 7.493 min Scan# 715  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:128 Resp: 762985  
Ion Ratio Lower Upper  
128 100  
130 31.9 12.2 52.2  
64 46.6 25.9 65.9





#9

Benzaldehyde

Concen: 41.717 ng

RT: 7.063 min Scan# 642

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

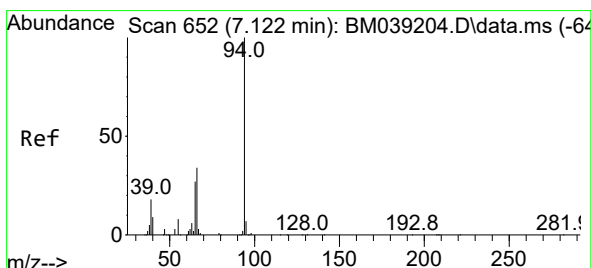
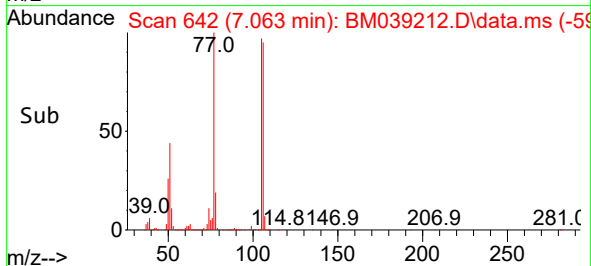
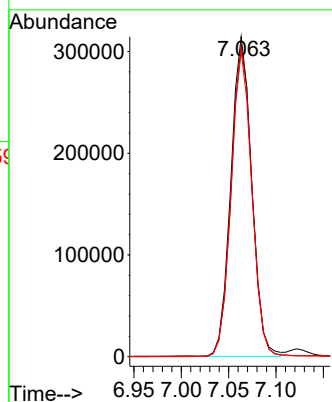
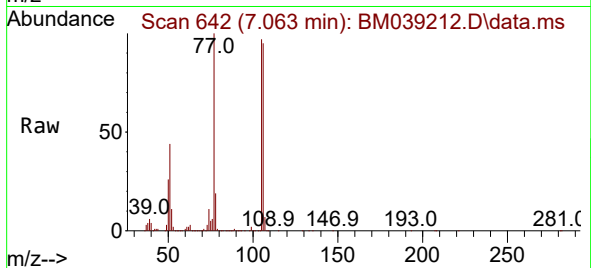
Tgt Ion: 77 Resp: 480428

Ion Ratio Lower Upper

77 100

105 97.4 78.2 118.2

106 95.3 73.8 113.8



#10

Phenol

Concen: 47.535 ng

RT: 7.122 min Scan# 652

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

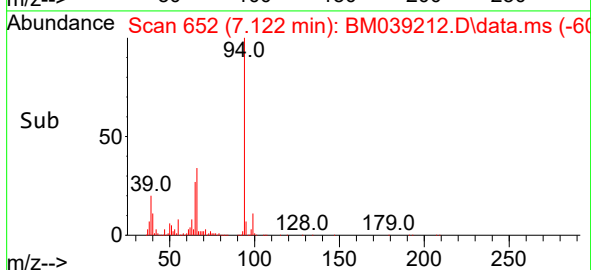
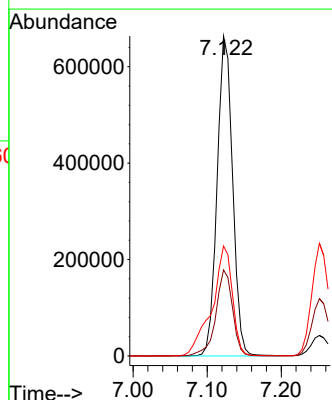
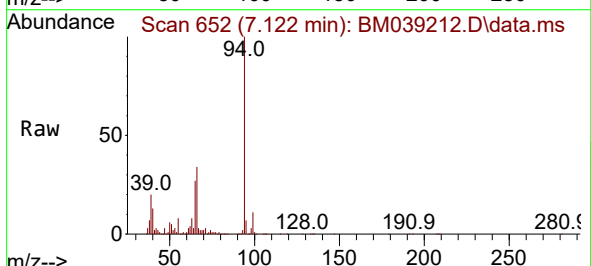
Tgt Ion: 94 Resp: 963323

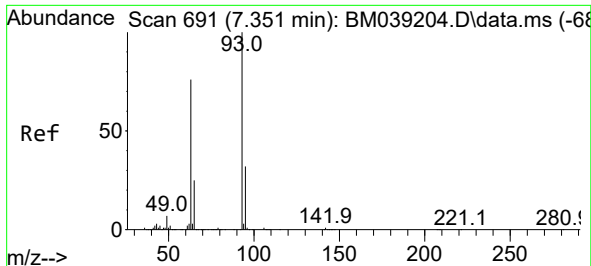
Ion Ratio Lower Upper

94 100

65 26.9 7.2 47.2

66 34.4 15.2 55.2

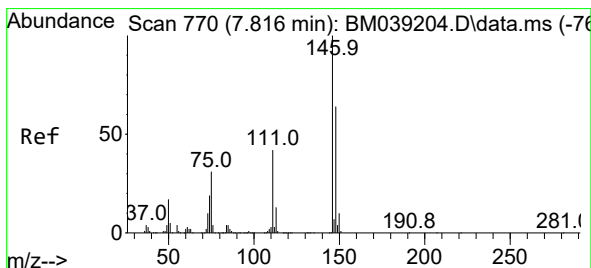
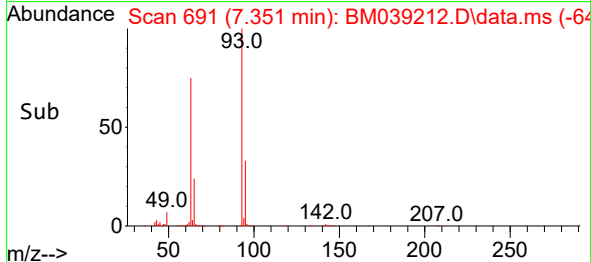
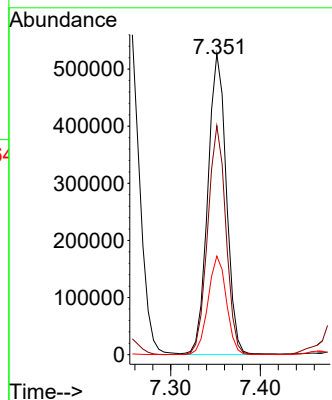
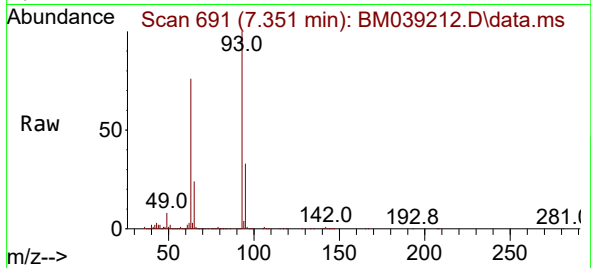




#11  
bis(2-Chloroethyl)ether  
Concen: 46.359 ng  
RT: 7.351 min Scan# 691  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

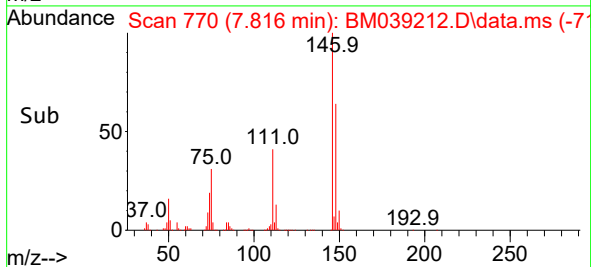
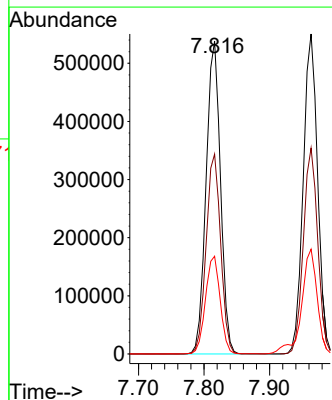
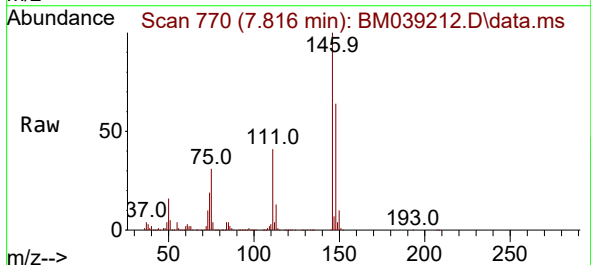
Instrument :  
BNA\_M  
ClientSampleId :  
PB151623BS

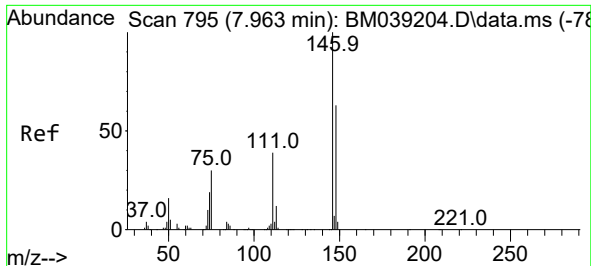
Tgt Ion: 93 Resp: 755791  
Ion Ratio Lower Upper  
93 100  
63 76.1 55.5 95.5  
95 32.8 12.2 52.2



#12  
1,3-Dichlorobenzene  
Concen: 48.483 ng  
RT: 7.816 min Scan# 770  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:146 Resp: 822777  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.2 76.8  
75 31.3 25.2 37.8

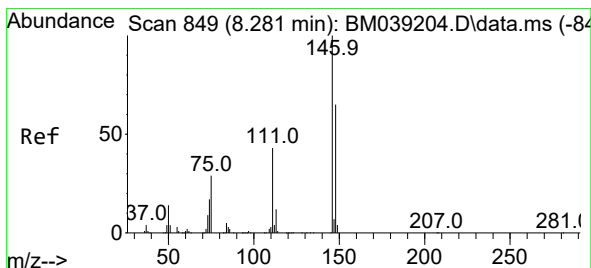
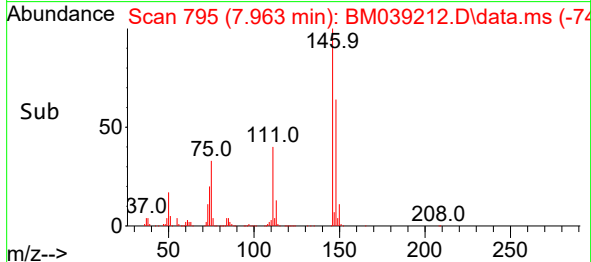
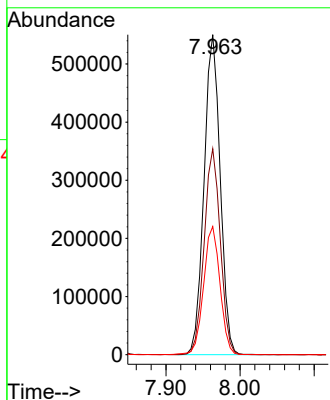
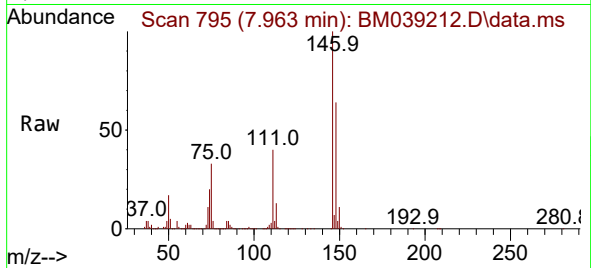




#13  
1,4-Dichlorobenzene  
Concen: 48.585 ng  
RT: 7.963 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

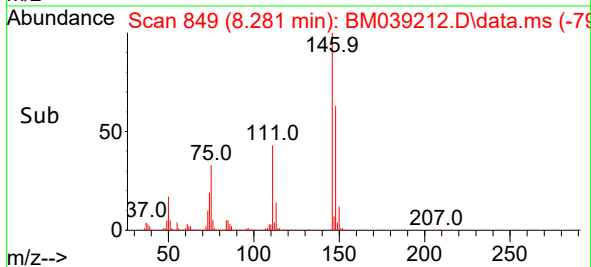
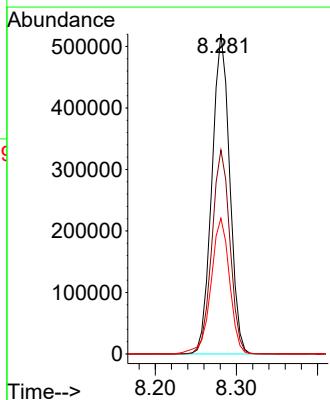
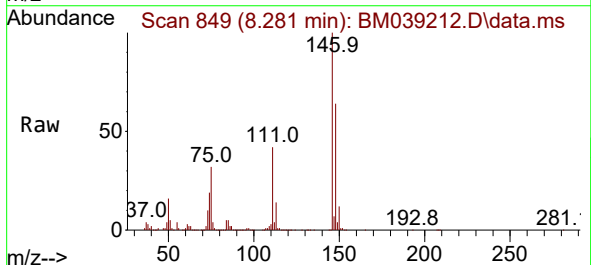
Instrument :  
BNA\_M  
ClientSampleId :  
PB151623BS

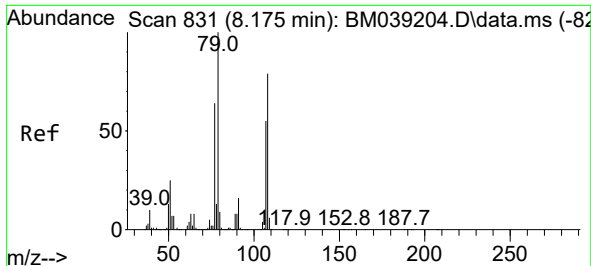
Tgt Ion:146 Resp: 833713  
Ion Ratio Lower Upper  
146 100  
148 64.3 50.8 76.2  
111 40.1 31.5 47.3



#14  
1,2-Dichlorobenzene  
Concen: 48.254 ng  
RT: 8.281 min Scan# 849  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:146 Resp: 791761  
Ion Ratio Lower Upper  
146 100  
148 63.8 52.1 78.1  
111 42.4 34.5 51.7

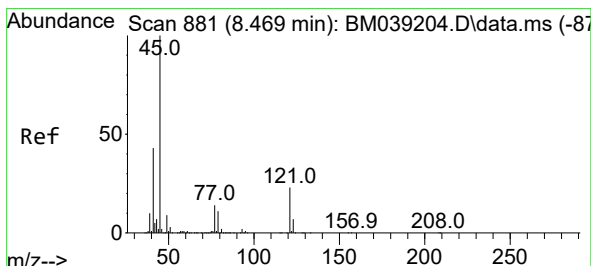
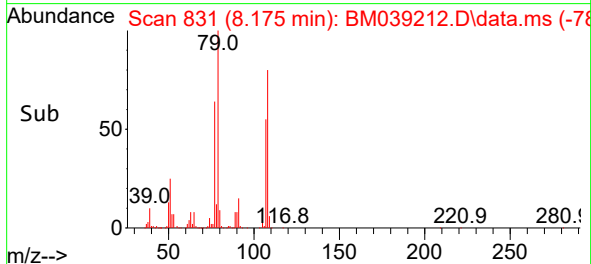
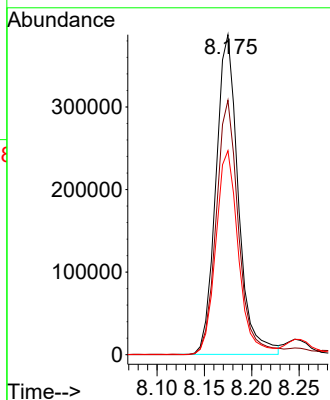
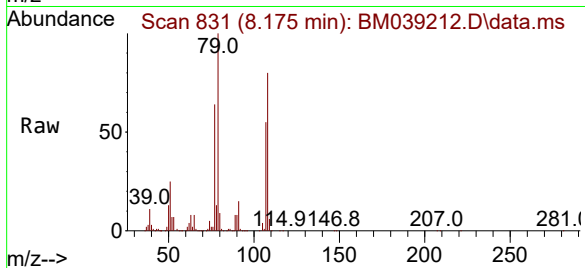




#15  
Benzyl Alcohol  
Concen: 45.907 ng  
RT: 8.175 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

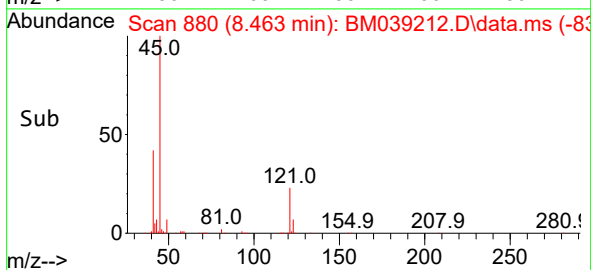
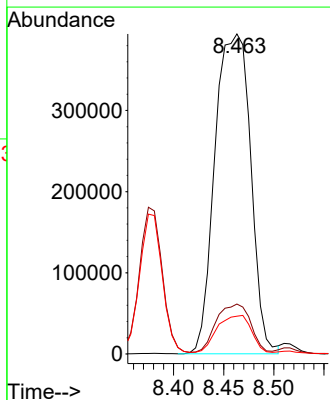
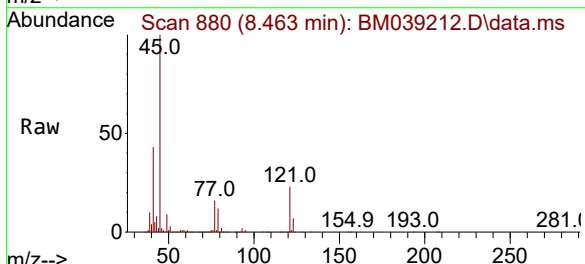
Instrument :  
BNA\_M  
ClientSampleId :  
PB151623BS

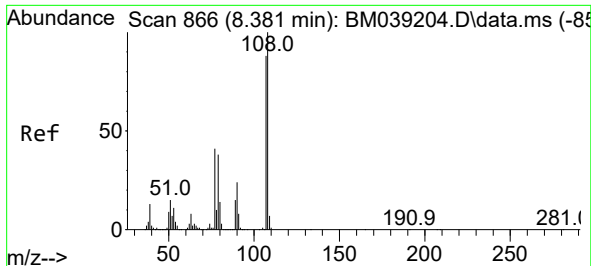
Tgt Ion: 79 Resp: 638507  
Ion Ratio Lower Upper  
79 100  
108 79.5 63.4 95.0  
77 63.8 51.5 77.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 46.882 ng  
RT: 8.463 min Scan# 880  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion: 45 Resp: 977630  
Ion Ratio Lower Upper  
45 100  
77 15.6 0.0 35.1  
79 11.8 0.0 32.2

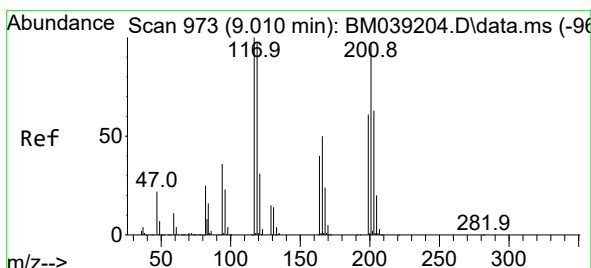
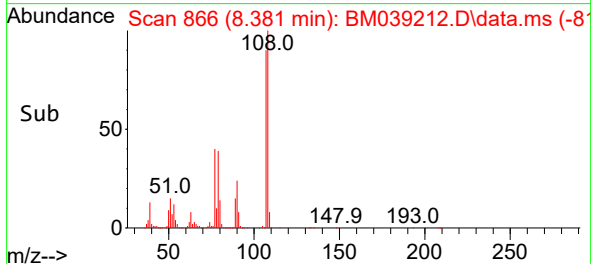
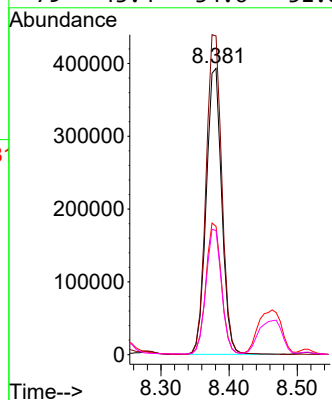
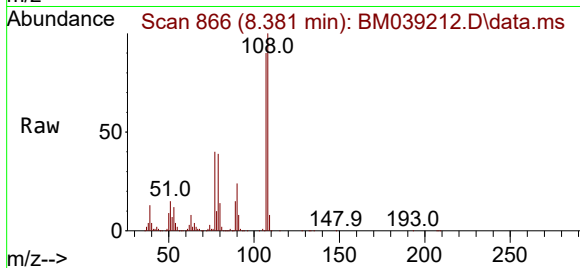




#17  
2-Methylphenol  
Concen: 43.869 ng  
RT: 8.381 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

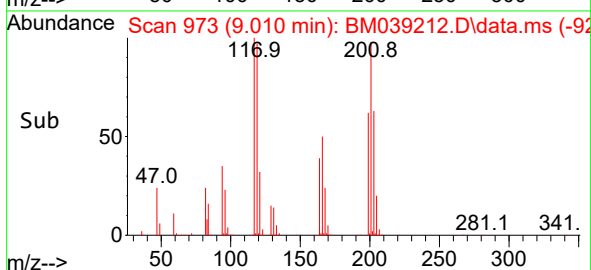
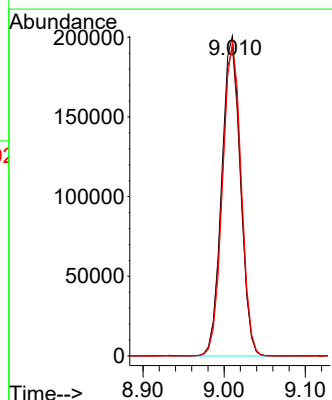
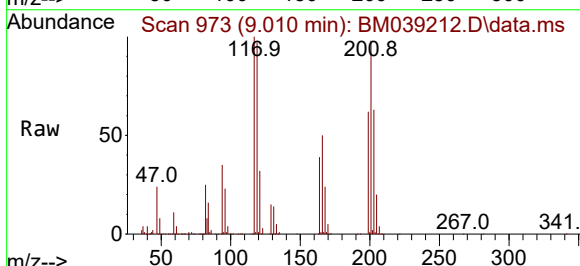
Instrument :  
BNA\_M  
ClientSampleId :  
PB151623BS

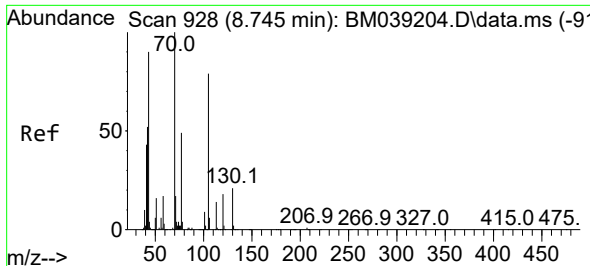
Tgt Ion:107 Resp: 621991  
Ion Ratio Lower Upper  
107 100  
108 111.3 90.6 136.0  
77 44.8 37.0 55.4  
79 43.4 34.6 51.8



#18  
Hexachloroethane  
Concen: 48.809 ng  
RT: 9.010 min Scan# 973  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:117 Resp: 323977  
Ion Ratio Lower Upper  
117 100  
119 96.6 77.8 116.8  
201 98.0 77.3 115.9





#19

n-Nitroso-di-n-propylamine

Concen: 43.776 ng

RT: 8.740 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

Tgt Ion: 70 Resp: 565888

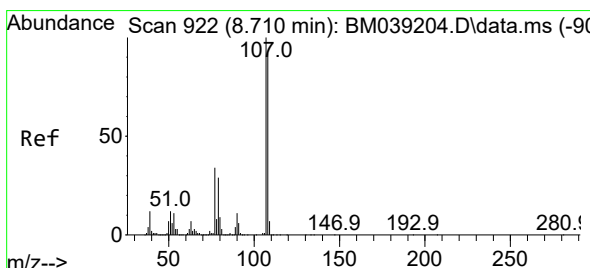
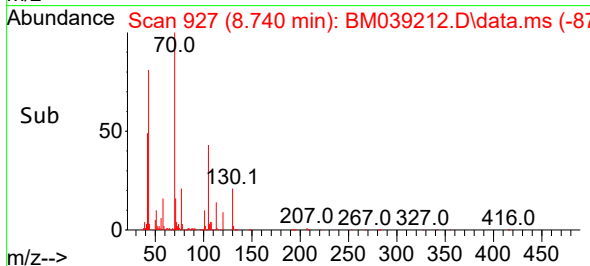
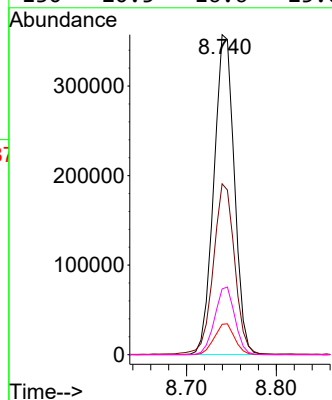
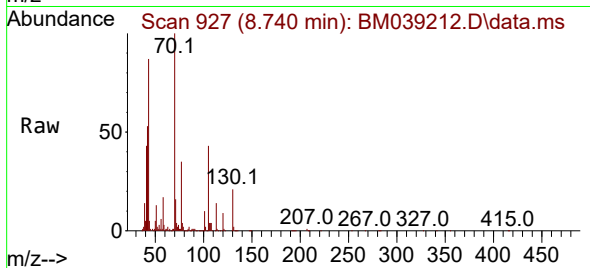
Ion Ratio Lower Upper

70 100

42 53.4 42.2 63.2

101 9.5 7.6 11.4

130 20.5 16.6 25.0



#20

3+4-Methylphenols

Concen: 43.835 ng

RT: 8.710 min Scan# 922

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Tgt Ion: 107 Resp: 835148

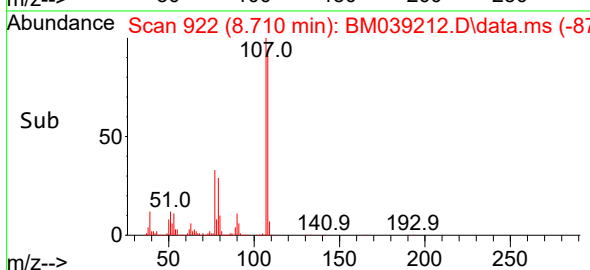
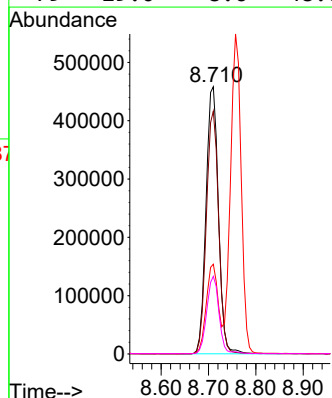
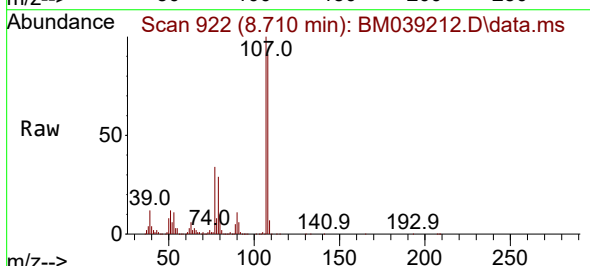
Ion Ratio Lower Upper

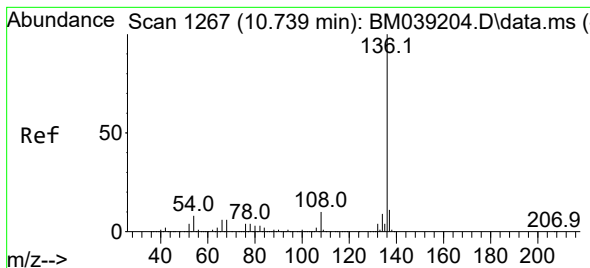
107 100

108 90.8 72.1 112.1

77 33.6 13.7 53.7

79 29.0 8.6 48.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

Tgt Ion:136 Resp: 891826

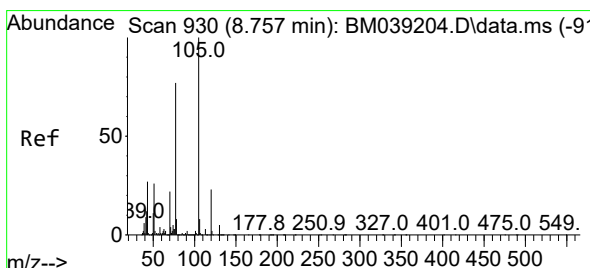
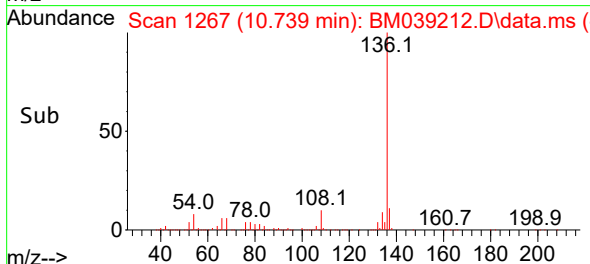
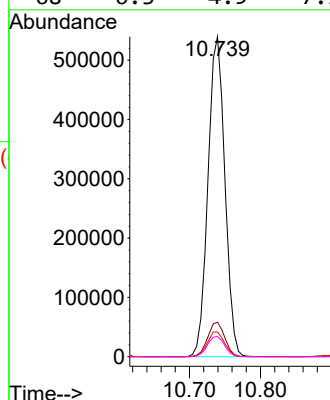
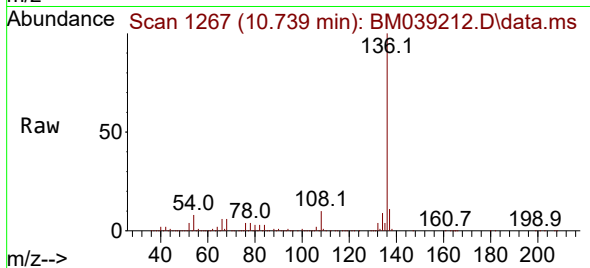
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.7 6.2 9.4

68 6.3 4.9 7.3



#22

Acetophenone

Concen: 47.251 ng

RT: 8.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Tgt Ion:105 Resp: 1126700

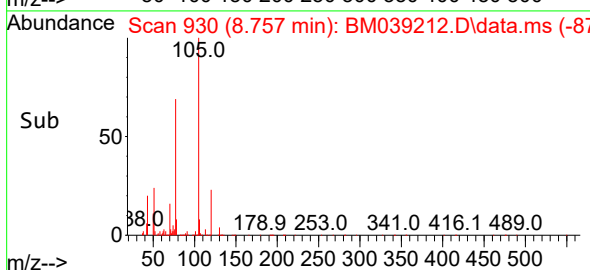
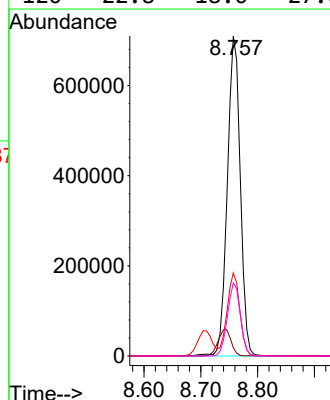
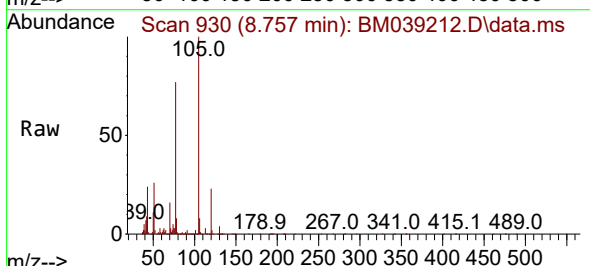
Ion Ratio Lower Upper

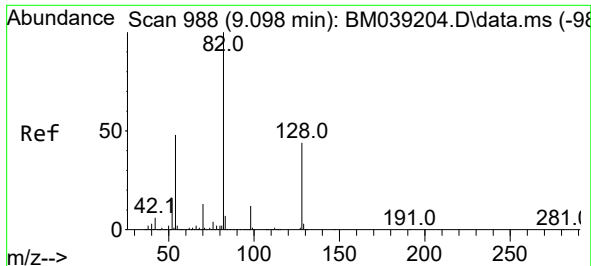
105 100

71 2.6 2.8 4.2#

51 26.0 20.6 31.0

120 22.8 18.0 27.0





#23

Nitrobenzene-d5

Concen: 74.289 ng

RT: 9.098 min Scan# 91

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

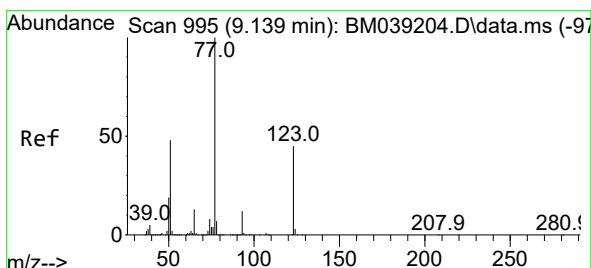
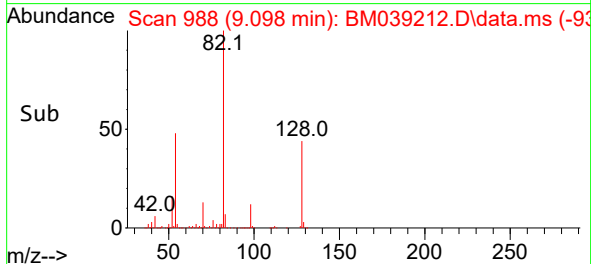
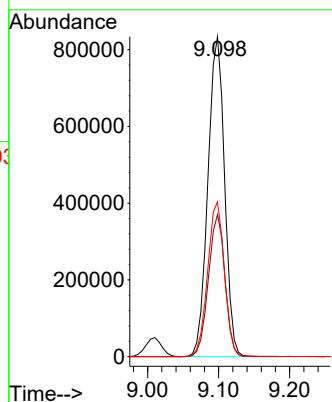
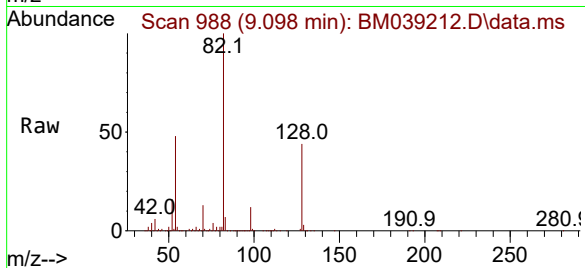
BNA\_M

ClientSampleId :

PB151623BS

Tgt Ion: 82 Resp: 1363154

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.4  | 35.1  | 52.7  |
| 54  | 48.4  | 38.5  | 57.7  |



#24

Nitrobenzene

Concen: 45.497 ng

RT: 9.140 min Scan# 995

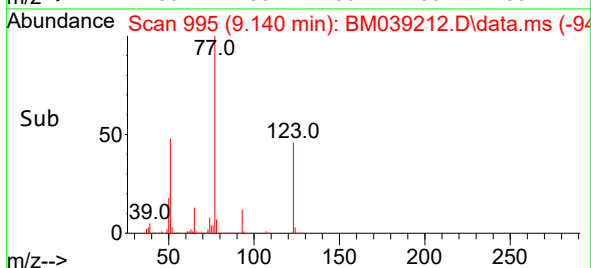
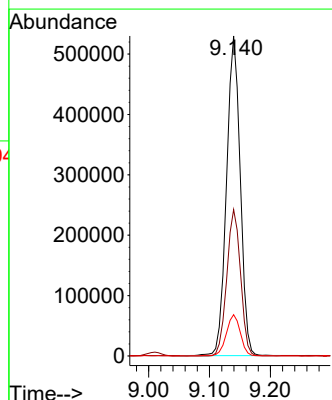
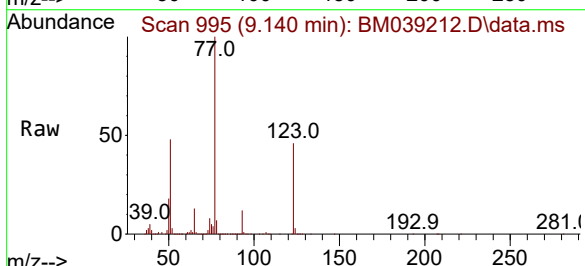
Delta R.T. 0.000 min

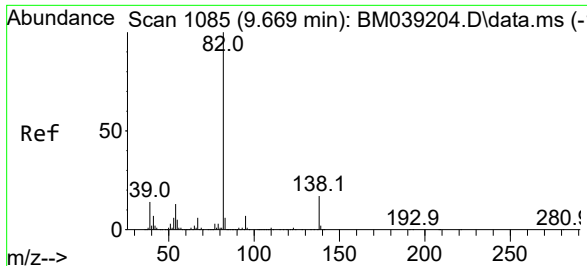
Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Tgt Ion: 77 Resp: 830382

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 45.7  | 36.2  | 54.2  |
| 65  | 12.9  | 10.6  | 15.8  |

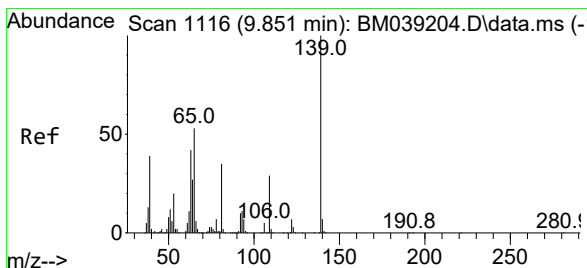
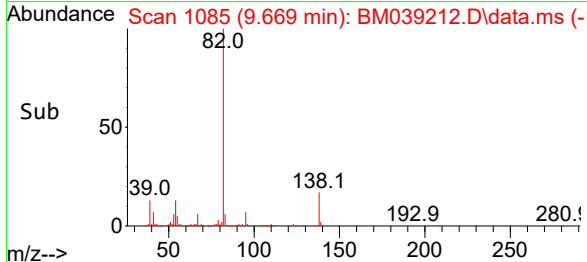
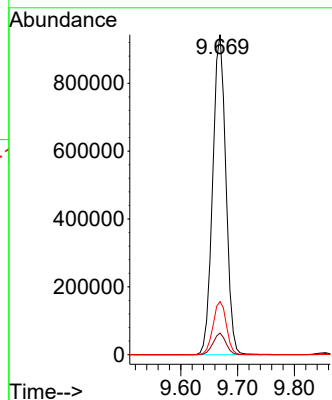
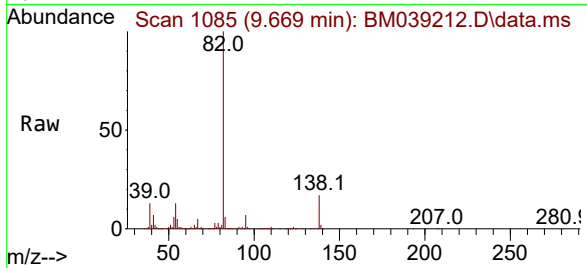




#25  
Isophorone  
Concen: 44.294 ng  
RT: 9.669 min Scan# 1085  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

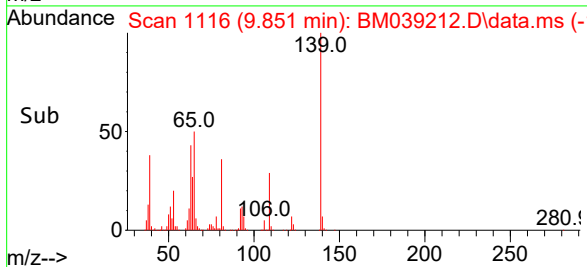
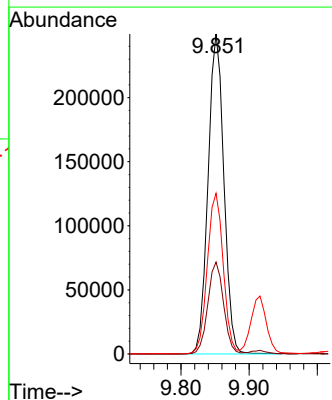
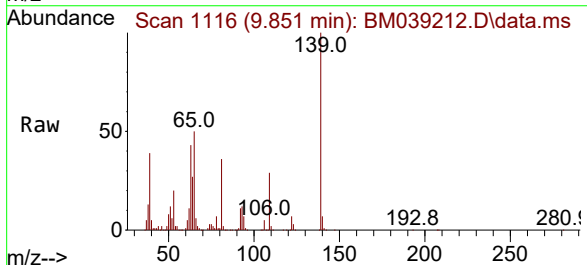
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ClientSampleId :  
PB151623BS

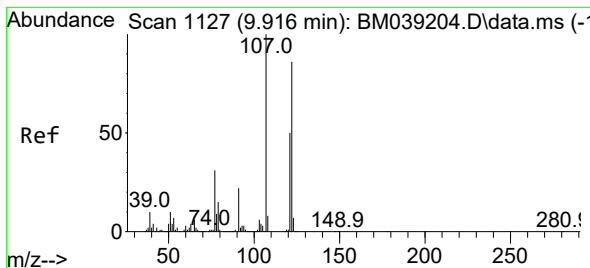
Tgt Ion: 82 Resp: 1516274  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.2 7.8  
138 16.6 13.5 20.3



#26  
2-Nitrophenol  
Concen: 47.770 ng  
RT: 9.851 min Scan# 1116  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion: 139 Resp: 403030  
Ion Ratio Lower Upper  
139 100  
109 28.7 23.4 35.0  
65 50.2 42.2 63.2

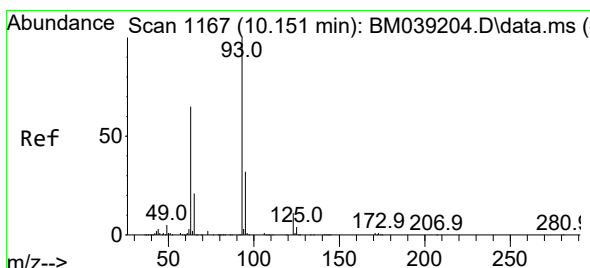
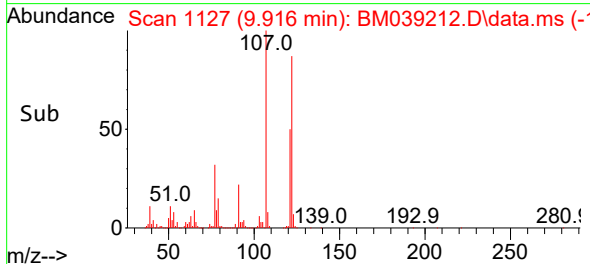
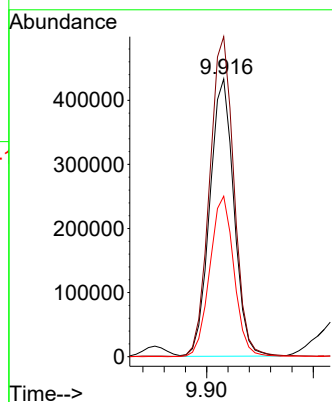
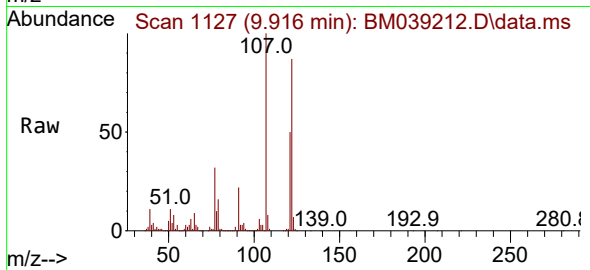




#27  
2,4-Dimethylphenol  
Concen: 48.668 ng  
RT: 9.916 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

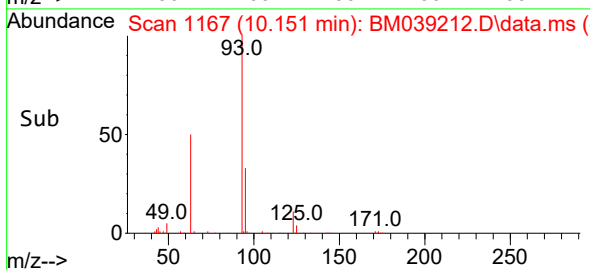
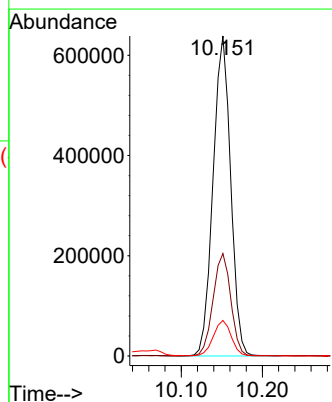
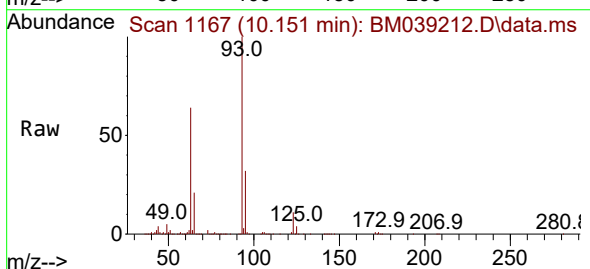
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ClientSampleId :  
PB151623BS

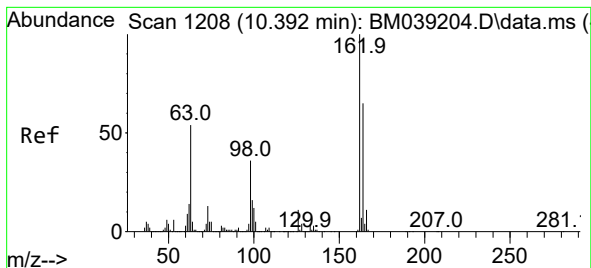
Tgt Ion:122 Resp: 682232  
Ion Ratio Lower Upper  
122 100  
107 115.2 92.3 138.5  
121 57.8 46.3 69.5



#28  
bis(2-Chloroethoxy)methane  
Concen: 46.308 ng  
RT: 10.151 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion: 93 Resp: 959601  
Ion Ratio Lower Upper  
93 100  
95 32.0 25.8 38.8  
123 11.1 9.1 13.7

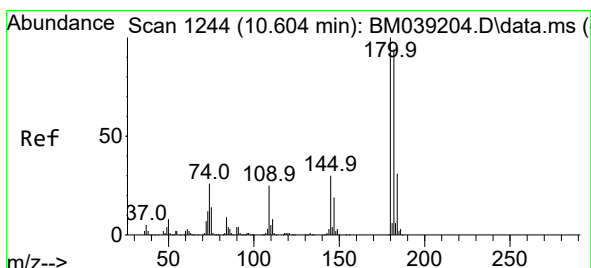
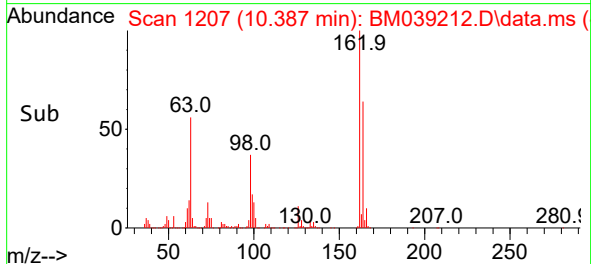
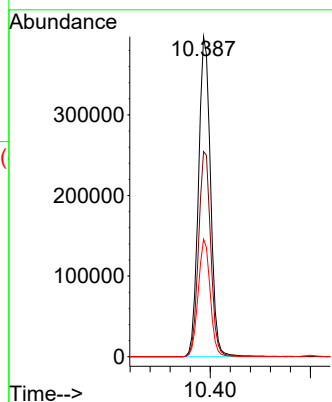
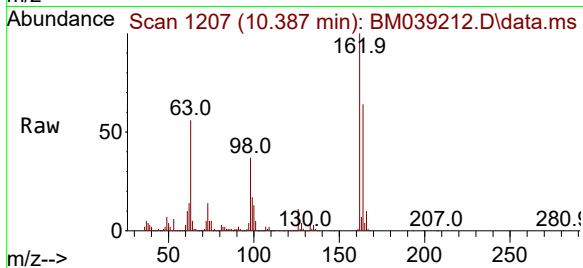




#29  
2,4-Dichlorophenol  
Concen: 48.443 ng  
RT: 10.387 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

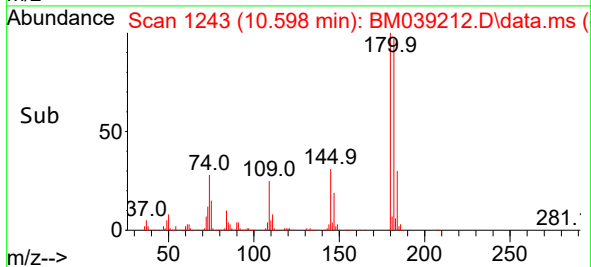
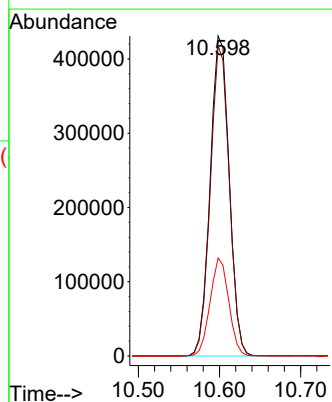
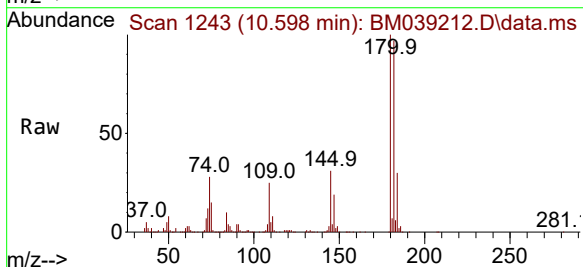
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BNA\_M  
ClientSampleId :  
PB151623BS

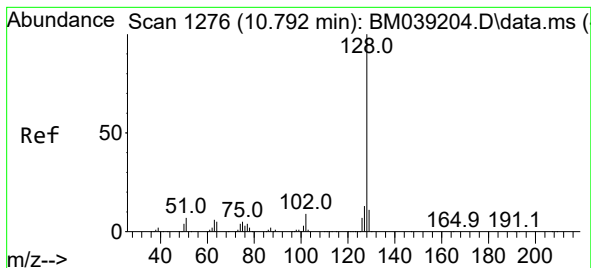
Tgt Ion:162 Resp: 662569  
Ion Ratio Lower Upper  
162 100  
164 64.1 44.8 84.8  
98 36.7 16.0 56.0



#30  
1,2,4-Trichlorobenzene  
Concen: 48.024 ng  
RT: 10.598 min Scan# 1243  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:180 Resp: 702707  
Ion Ratio Lower Upper  
180 100  
182 97.0 75.2 112.8  
145 30.6 23.9 35.9

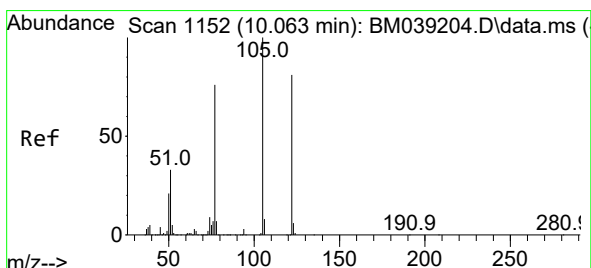
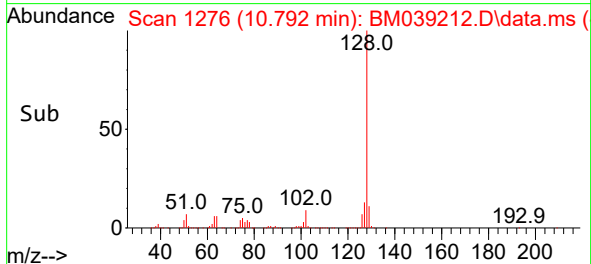
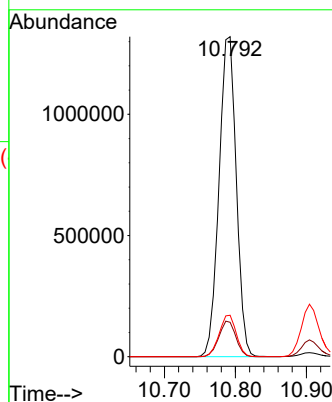
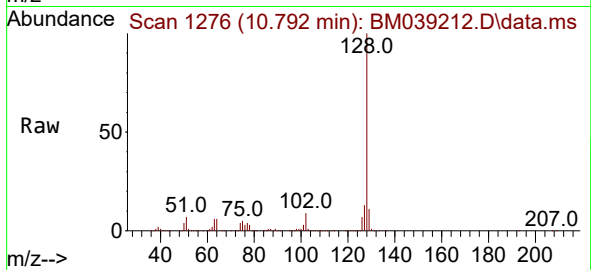




#31  
Naphthalene  
Concen: 46.167 ng  
RT: 10.792 min Scan# 1153  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

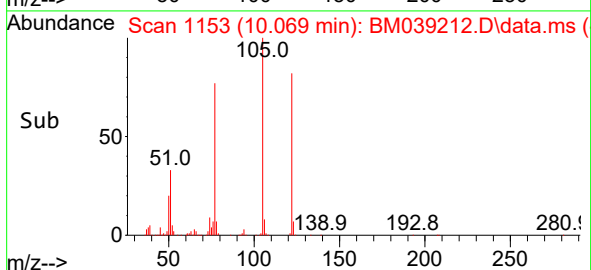
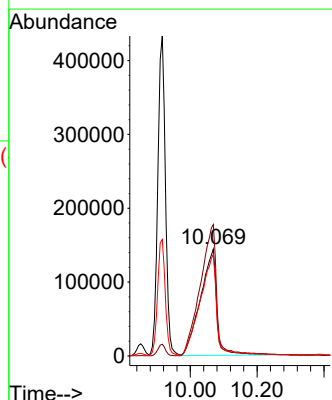
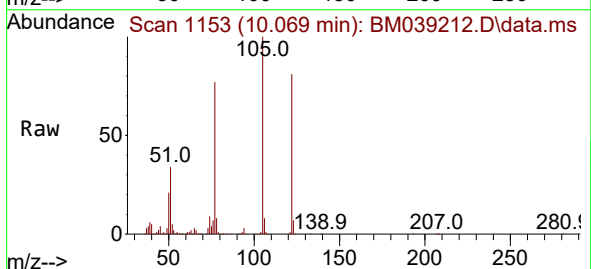
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BNA\_M  
ClientSampleId :  
PB151623BS

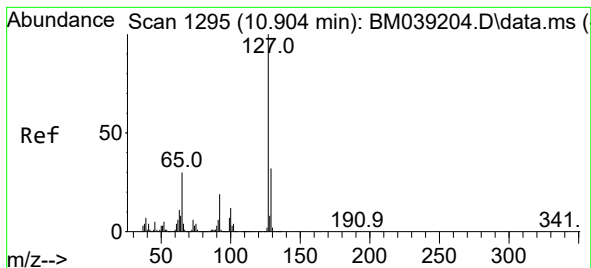
Tgt Ion:128 Resp: 2218546  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.6 13.0  
127 13.0 10.3 15.5



#32  
Benzoic acid  
Concen: 44.622 ng  
RT: 10.069 min Scan# 1153  
Delta R.T. 0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:122 Resp: 487531  
Ion Ratio Lower Upper  
122 100  
105 122.9 103.1 143.1  
77 94.8 74.6 114.6

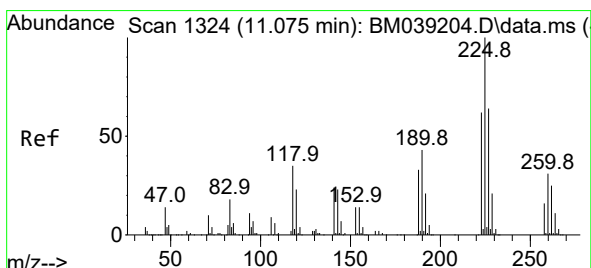
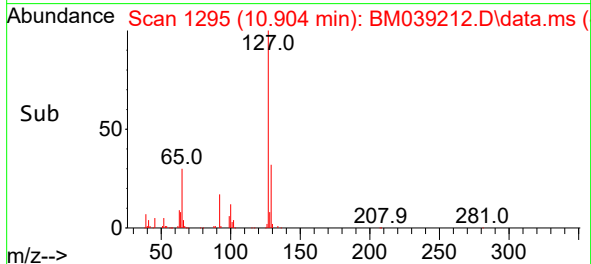
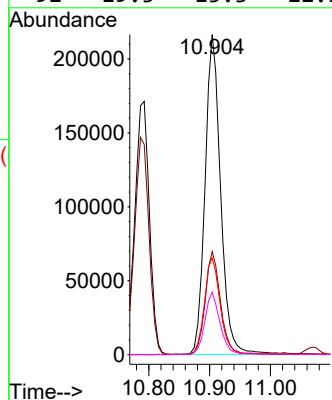
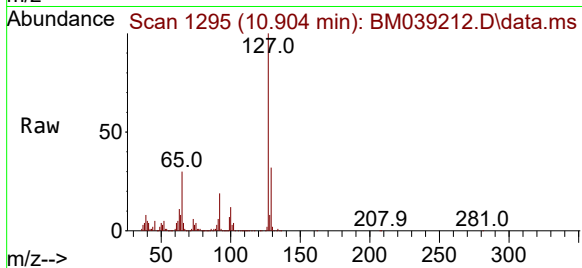




#33  
4-Chloroaniline  
Concen: 18.249 ng  
RT: 10.904 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

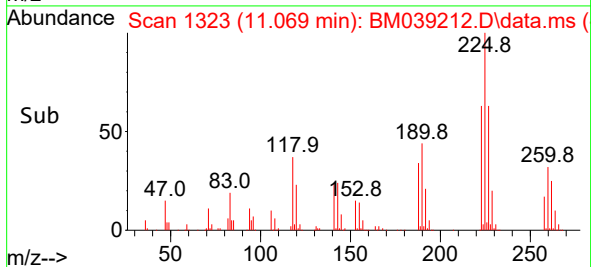
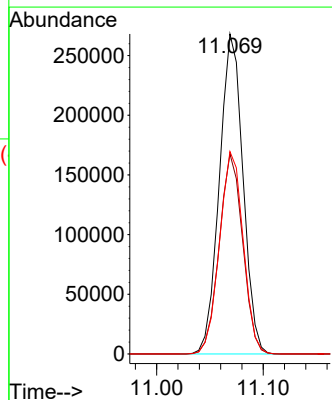
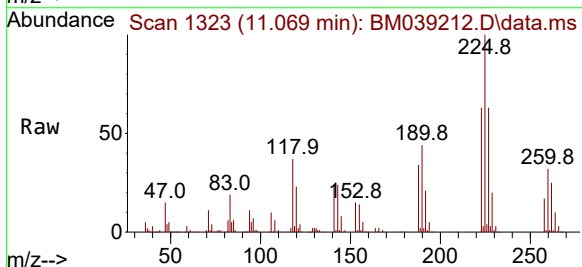
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BNA\_M  
ClientSampleId :  
PB151623BS

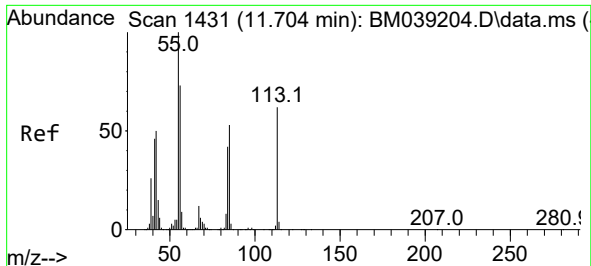
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 384197 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.2  | 25.7  | 38.5   |
| 65       | 30.2  | 24.1  | 36.1   |
| 92       | 19.5  | 15.3  | 22.9   |



#34  
Hexachlorobutadiene  
Concen: 47.866 ng  
RT: 11.069 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 411834 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.5  | 49.8  | 74.6   |
| 227      | 63.2  | 51.6  | 77.4   |

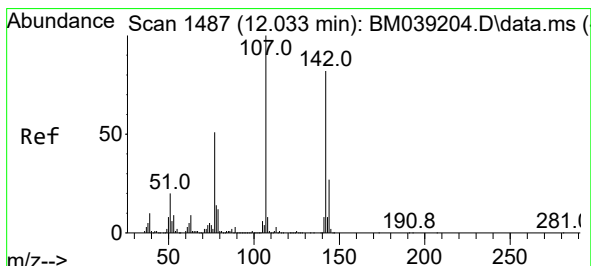
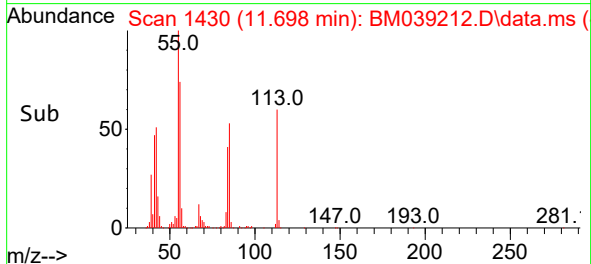
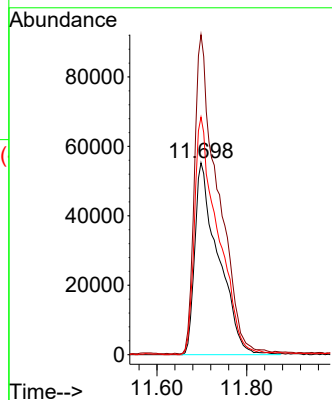
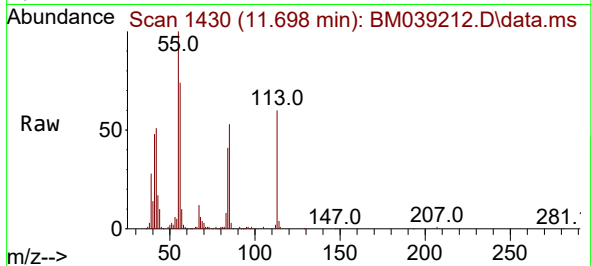




#35  
 Caprolactam  
 Concen: 42.194 ng  
 RT: 11.698 min Scan# 1431  
 Delta R.T. -0.006 min  
 Lab File: BM039212.D  
 Acq: 29 Mar 2023 19:41

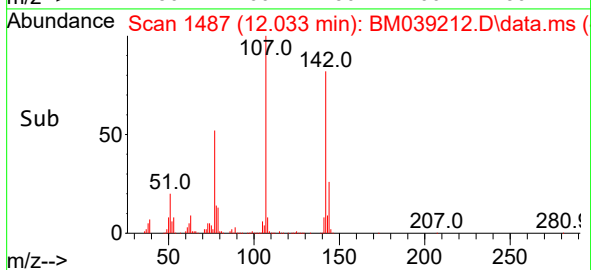
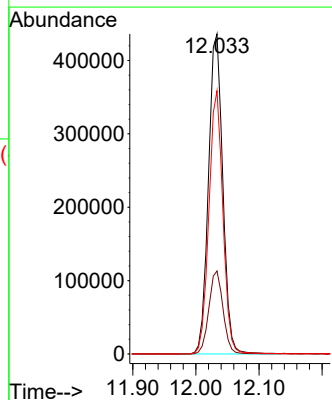
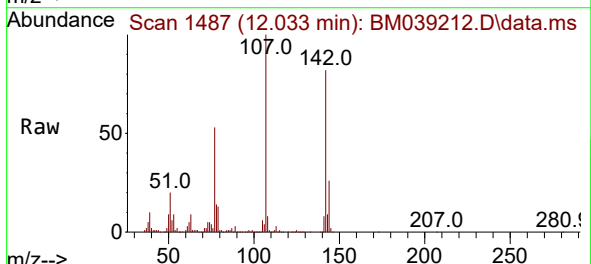
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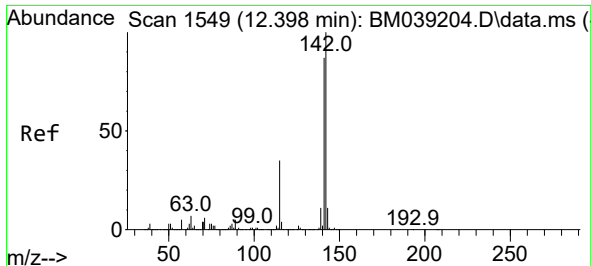
Tgt Ion:113 Resp: 200378  
 Ion Ratio Lower Upper  
 113 100  
 55 166.7 141.8 181.8  
 56 123.8 98.3 138.3



#36  
 4-Chloro-3-methylphenol  
 Concen: 45.479 ng  
 RT: 12.033 min Scan# 1487  
 Delta R.T. 0.000 min  
 Lab File: BM039212.D  
 Acq: 29 Mar 2023 19:41

Tgt Ion:107 Resp: 686286  
 Ion Ratio Lower Upper  
 107 100  
 144 25.9 21.4 32.2  
 142 82.3 65.2 97.8





#37

2-Methylnaphthalene

Concen: 43.682 ng

RT: 12.398 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

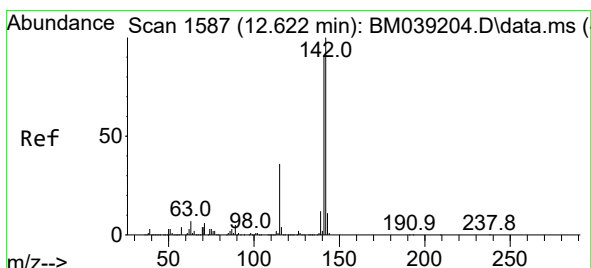
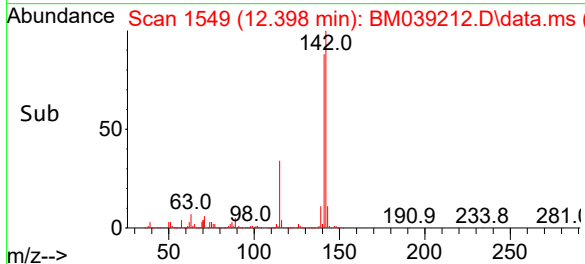
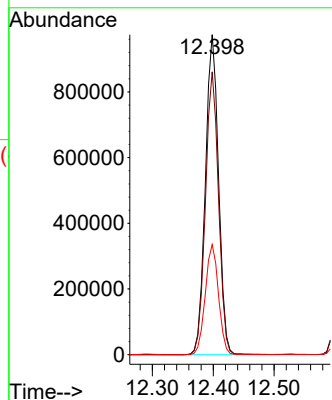
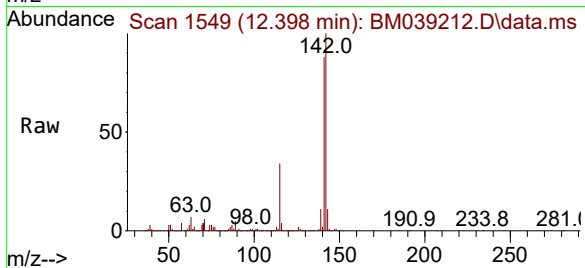
Tgt Ion:142 Resp: 1461309

Ion Ratio Lower Upper

142 100

141 88.4 69.8 104.8

115 34.4 27.8 41.8



#38

1-Methylnaphthalene

Concen: 43.189 ng

RT: 12.616 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

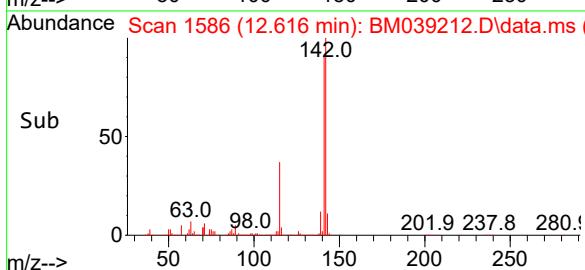
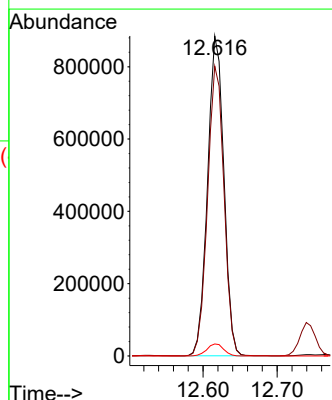
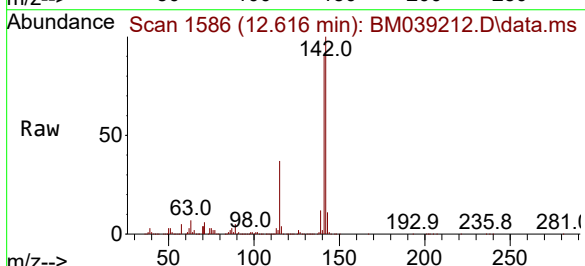
Tgt Ion:142 Resp: 1352861

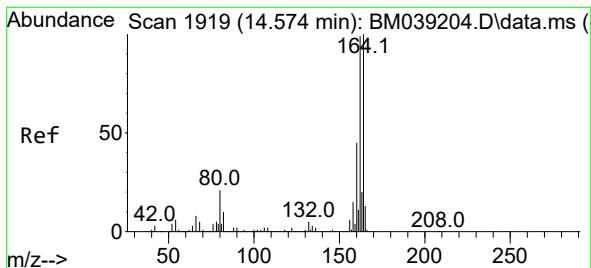
Ion Ratio Lower Upper

142 100

141 90.6 73.2 109.8

116 3.8 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.575 min Scan# 1919

Delta R.T. 0.001 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

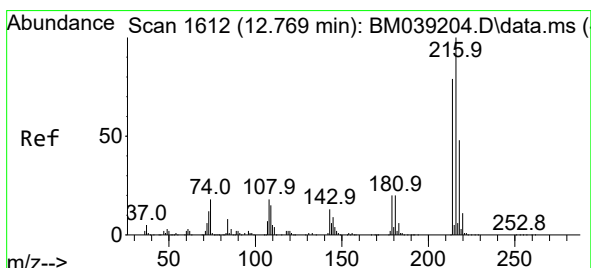
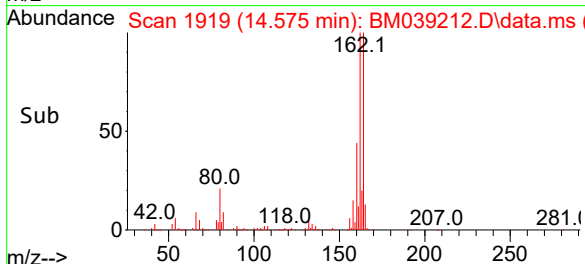
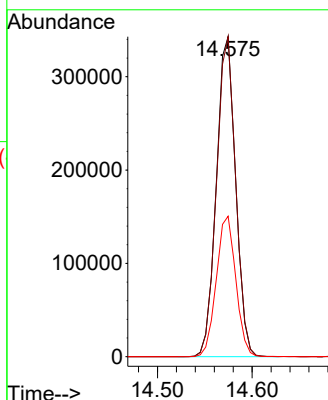
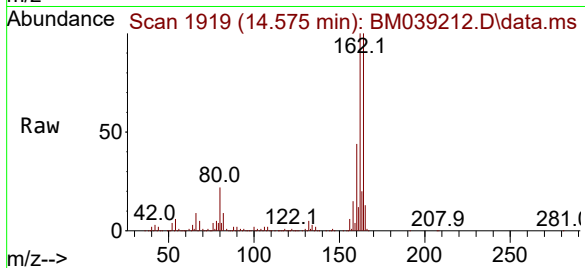
Tgt Ion:164 Resp: 484854

Ion Ratio Lower Upper

164 100

162 100.0 79.1 118.7

160 43.9 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.205 ng

RT: 12.769 min Scan# 1612

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Tgt Ion:216 Resp: 741133

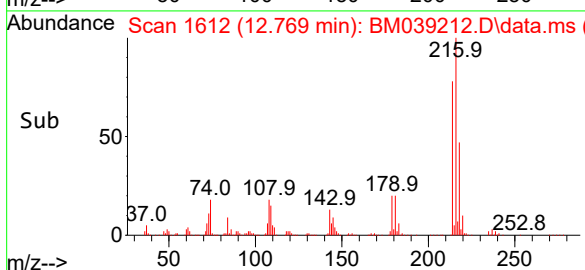
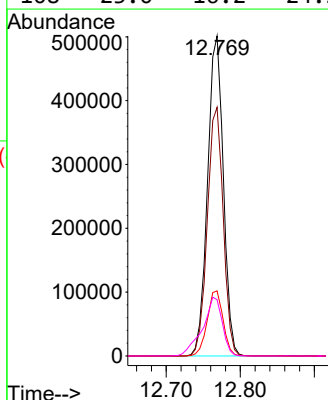
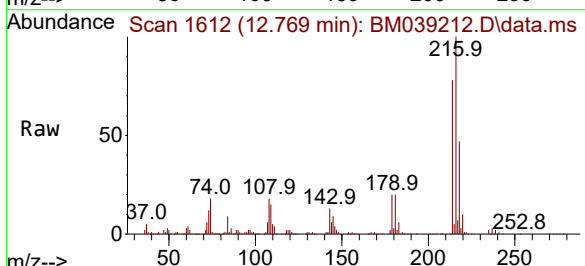
Ion Ratio Lower Upper

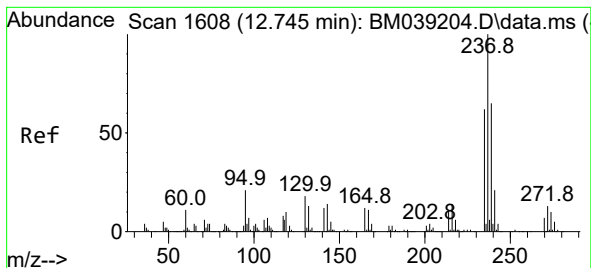
216 100

214 78.1 62.8 94.2

179 20.5 16.8 25.2

108 23.0 16.2 24.2

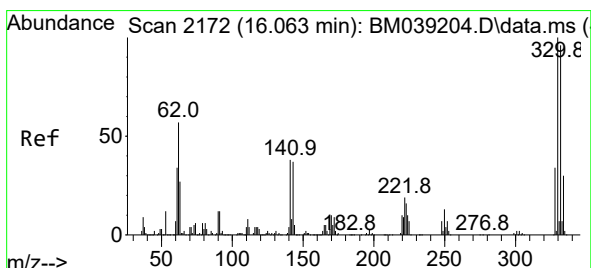
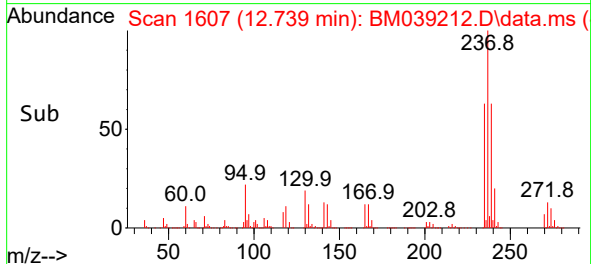
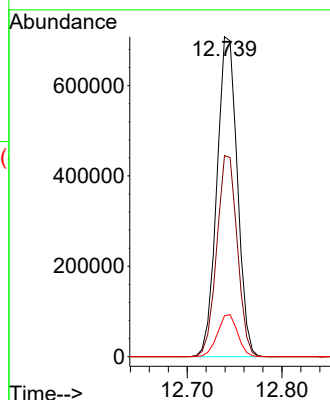
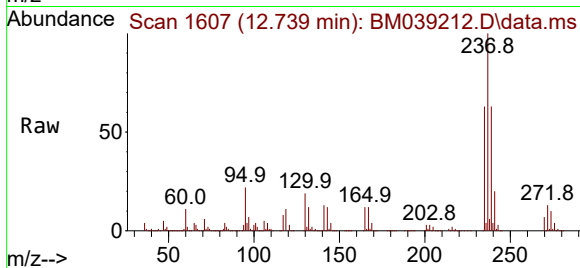




#41  
Hexachlorocyclopentadiene  
Concen: 131.654 ng  
RT: 12.739 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

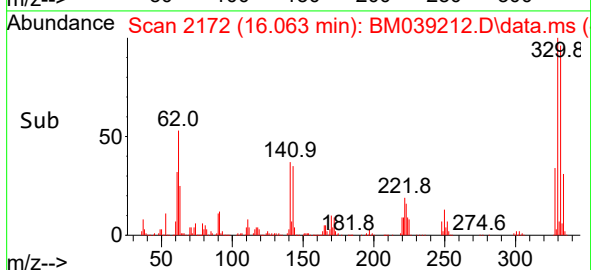
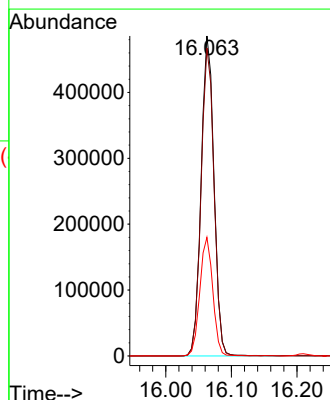
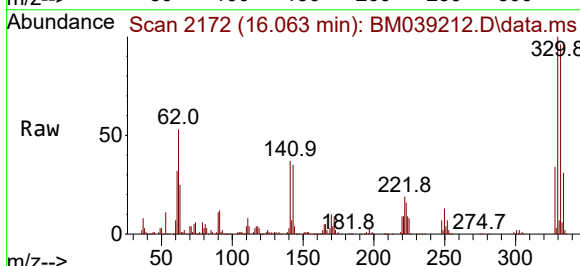
Instrument :  
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ClientSampleId :  
PB151623BS

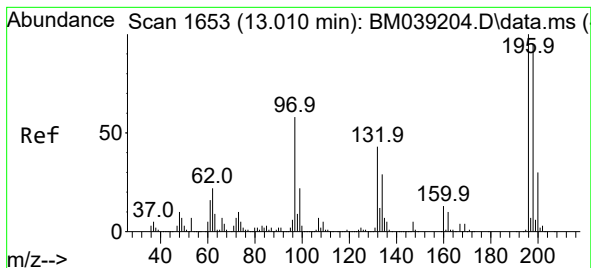
Tgt Ion:237 Resp: 1061748  
Ion Ratio Lower Upper  
237 100  
235 62.8 41.6 81.6  
272 12.8 0.0 33.2



#42  
2,4,6-Tribromophenol  
Concen: 107.842 ng  
RT: 16.063 min Scan# 2172  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:330 Resp: 663739  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.4 116.0  
141 37.4 29.8 44.6





#43

2,4,6-Trichlorophenol

Concen: 49.054 ng

RT: 13.010 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

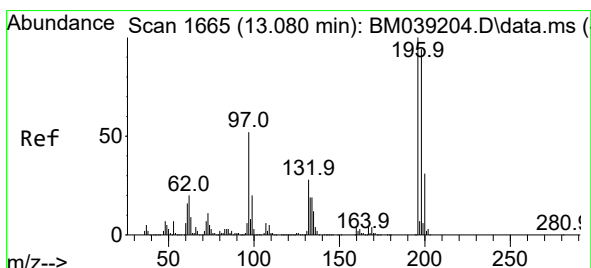
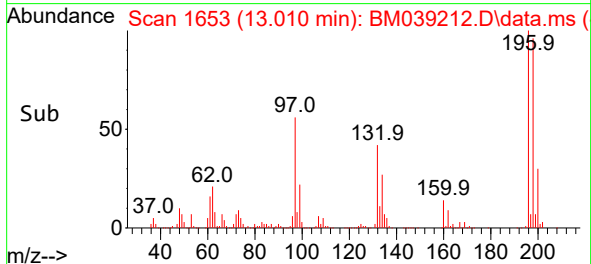
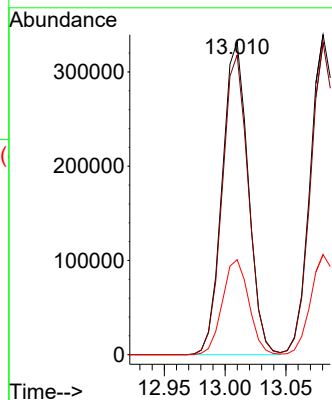
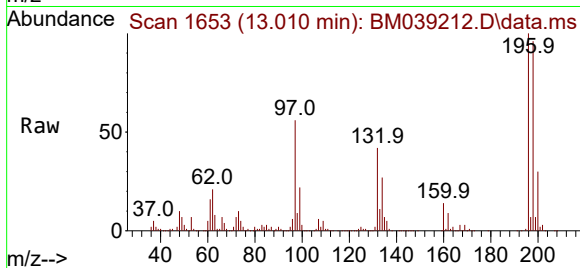
Tgt Ion:196 Resp: 493850

Ion Ratio Lower Upper

196 100

198 95.9 76.2 114.2

200 30.4 24.2 36.2



#44

2,4,5-Trichlorophenol

Concen: 43.999 ng

RT: 13.080 min Scan# 1665

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Tgt Ion:196 Resp: 519288

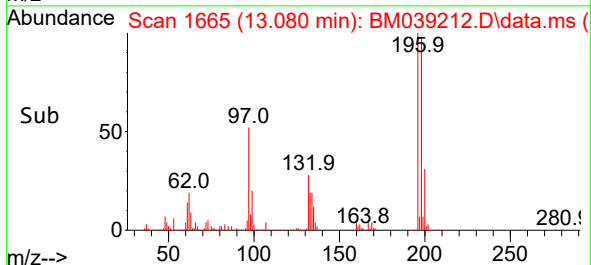
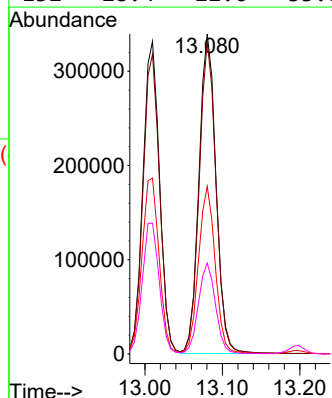
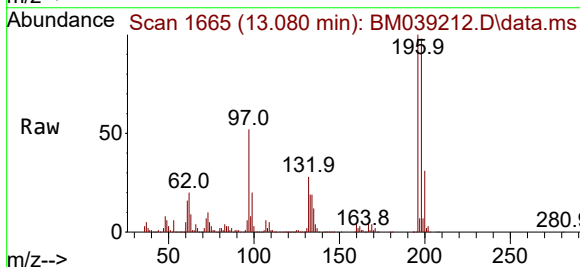
Ion Ratio Lower Upper

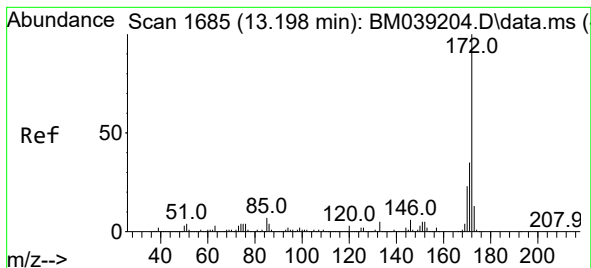
196 100

198 97.5 75.2 112.8

97 52.3 41.4 62.0

132 28.4 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 76.903 ng

RT: 13.198 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

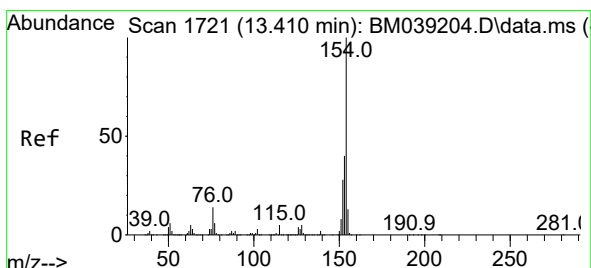
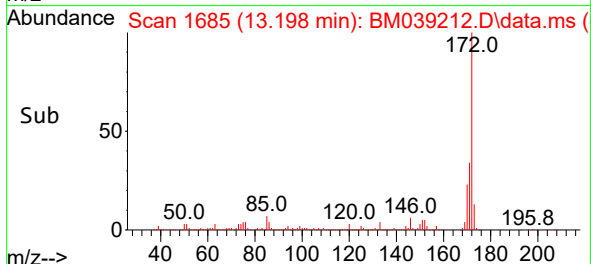
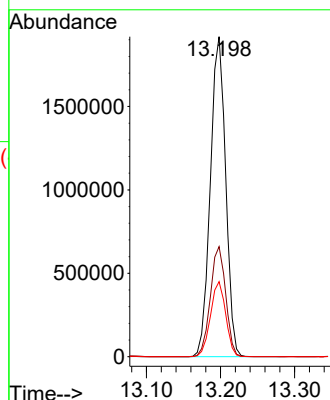
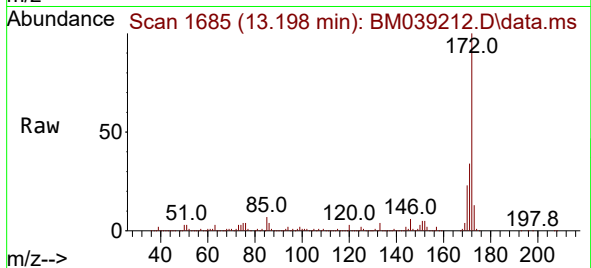
Tgt Ion:172 Resp: 2751970

Ion Ratio Lower Upper

172 100

171 34.4 28.0 42.0

170 23.5 18.7 28.1



#46

1,1'-Biphenyl

Concen: 48.718 ng

RT: 13.410 min Scan# 1721

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

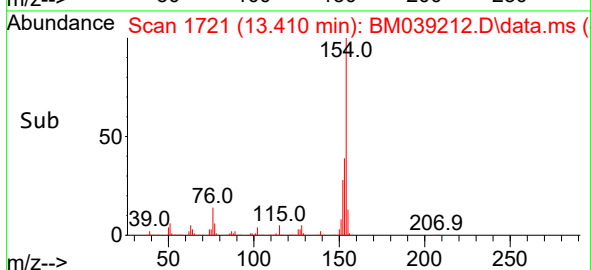
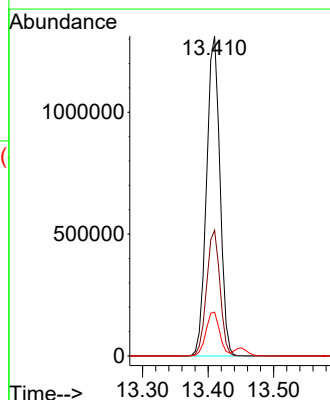
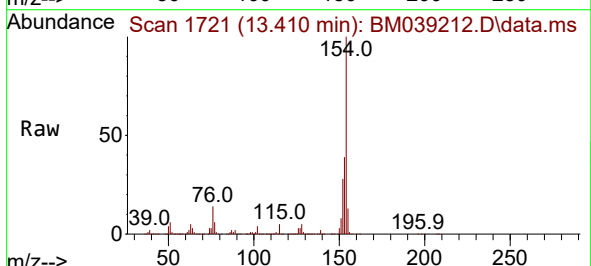
Tgt Ion:154 Resp: 1865300

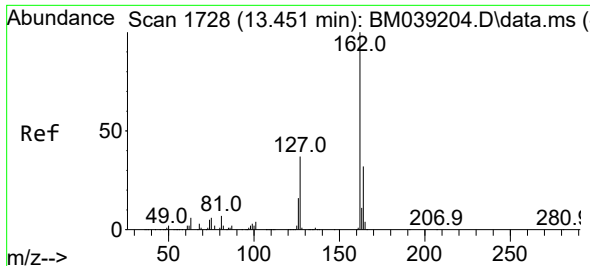
Ion Ratio Lower Upper

154 100

153 39.3 19.9 59.9

76 13.7 0.0 33.5

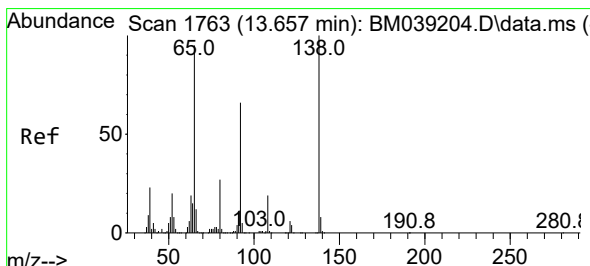
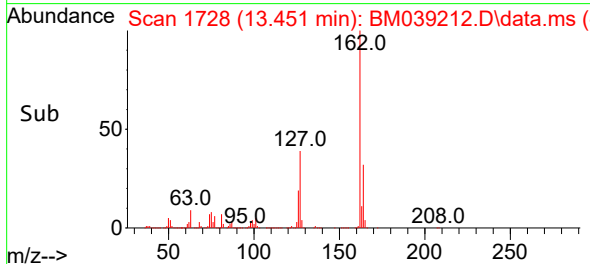
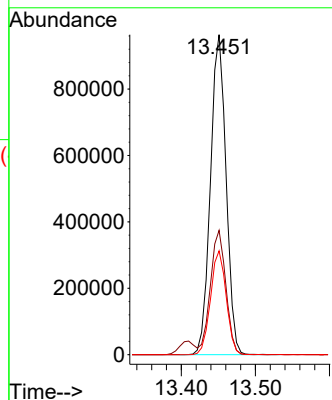
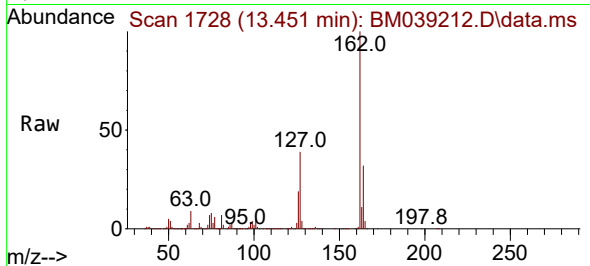




#47  
2-Chloronaphthalene  
Concen: 48.633 ng  
RT: 13.451 min Scan# 1728  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

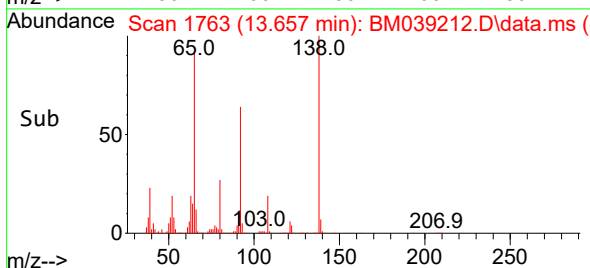
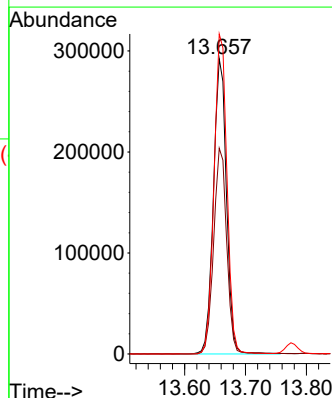
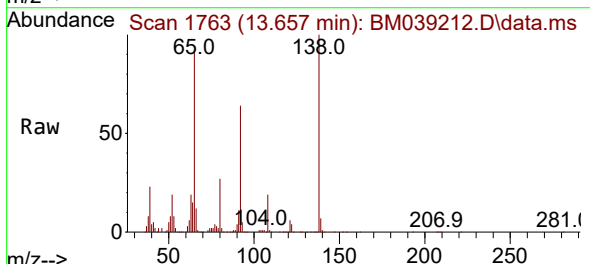
Instrument :  
BNA\_M  
ClientSampleId :  
PB151623BS

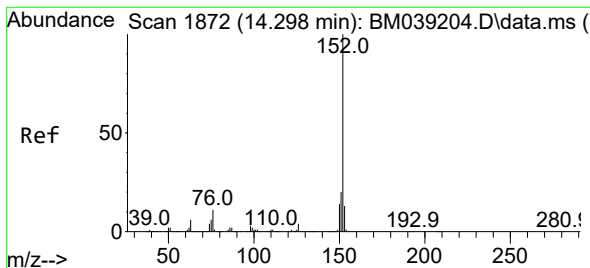
Tgt Ion:162 Resp: 1409897  
Ion Ratio Lower Upper  
162 100  
127 38.9 31.4 47.0  
164 32.5 25.7 38.5



#48  
2-Nitroaniline  
Concen: 44.616 ng  
RT: 13.657 min Scan# 1763  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion: 65 Resp: 435262  
Ion Ratio Lower Upper  
65 100  
92 69.7 55.7 83.5  
138 108.4 84.5 126.7





#49

Acenaphthylene

Concen: 45.975 ng

RT: 14.298 min Scan# 1872

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

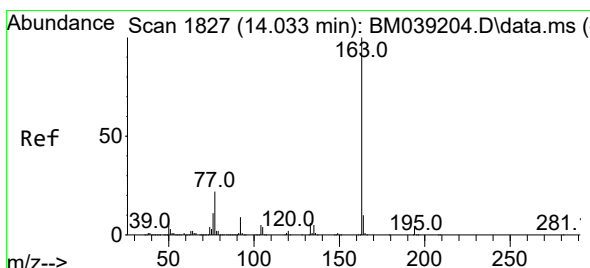
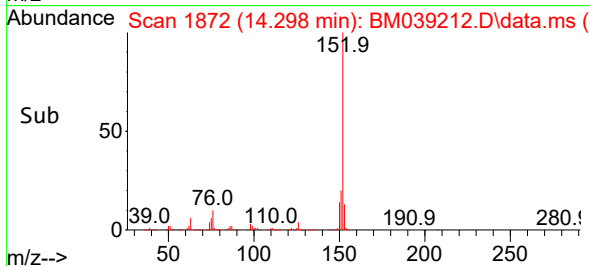
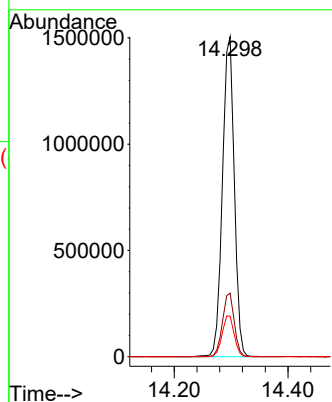
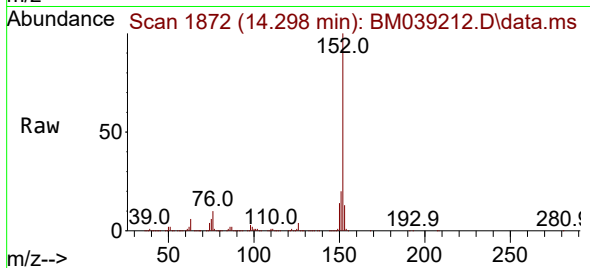
Tgt Ion:152 Resp: 2190563

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

153 12.7 10.3 15.5



#50

Dimethylphthalate

Concen: 44.154 ng

RT: 14.033 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

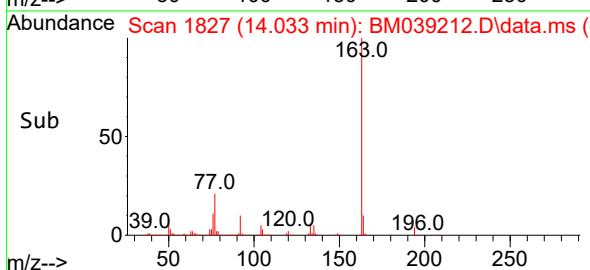
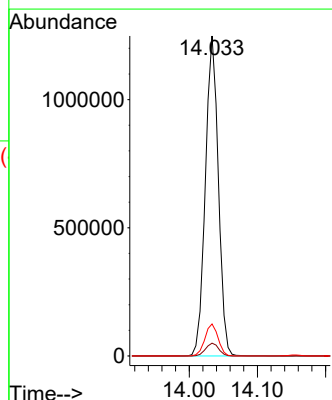
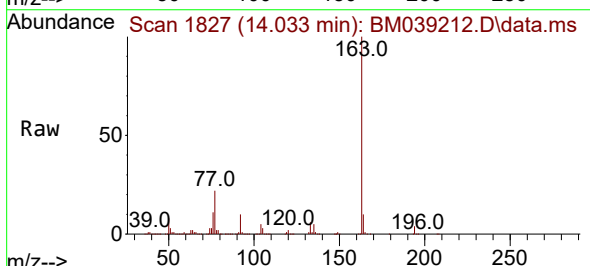
Tgt Ion:163 Resp: 1649880

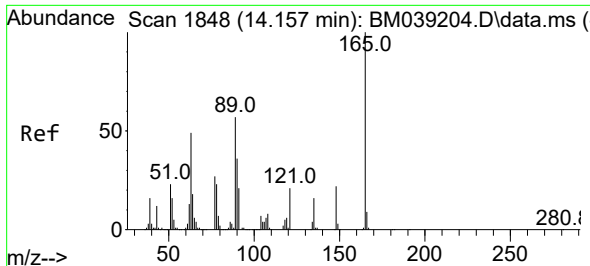
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.0 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 44.940 ng

RT: 14.157 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

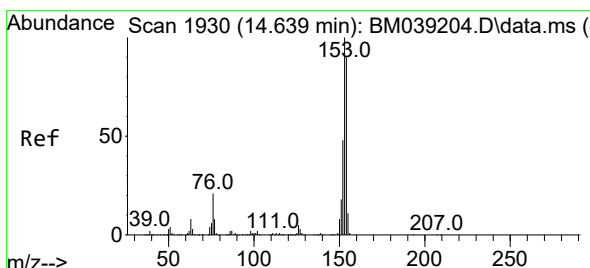
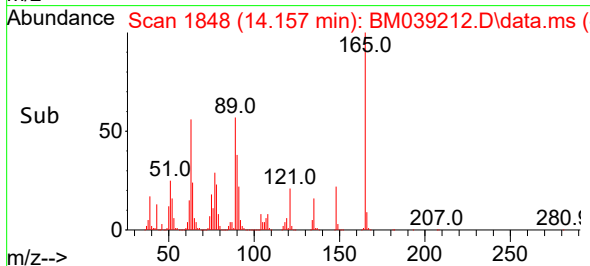
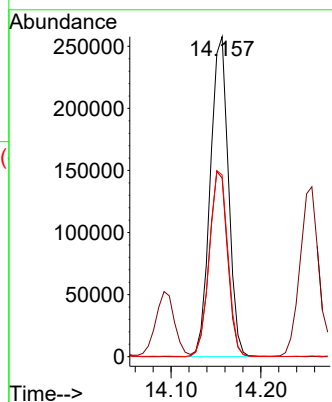
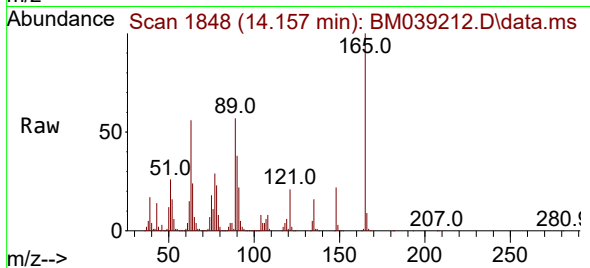
Tgt Ion:165 Resp: 361112

Ion Ratio Lower Upper

165 100

63 55.8 44.9 67.3

89 56.8 45.4 68.0



#52

Acenaphthene

Concen: 45.998 ng

RT: 14.639 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

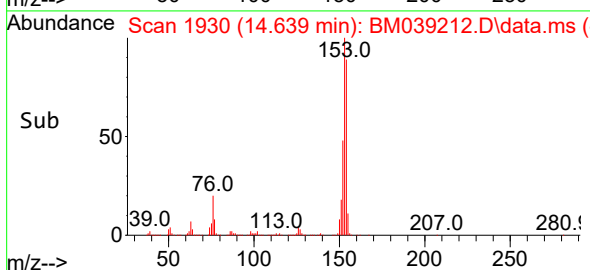
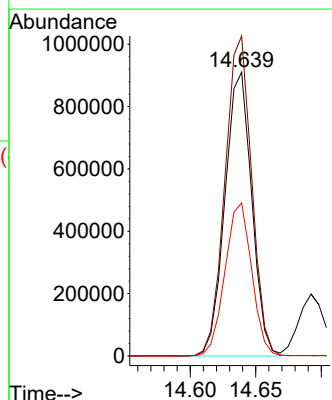
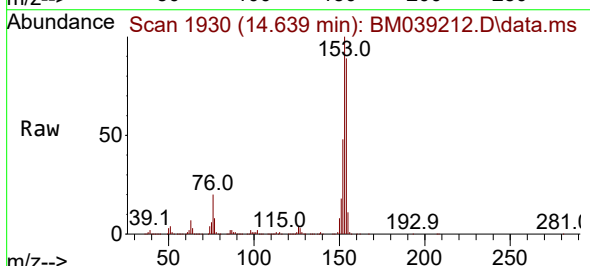
Tgt Ion:154 Resp: 1294133

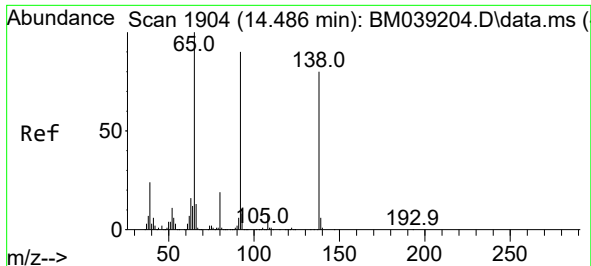
Ion Ratio Lower Upper

154 100

153 112.8 89.1 133.7

152 53.9 42.6 64.0

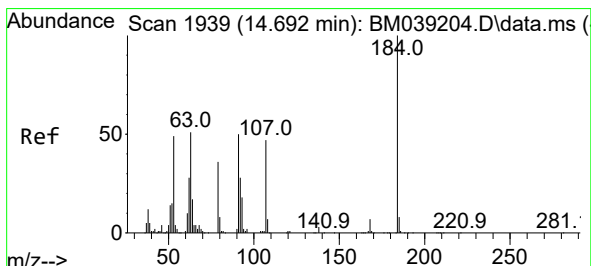
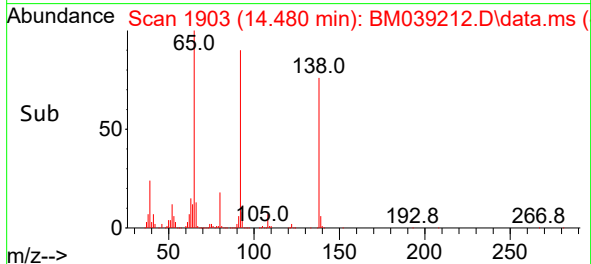
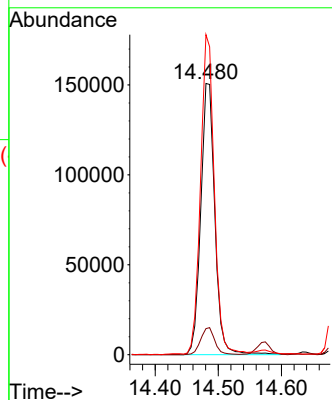
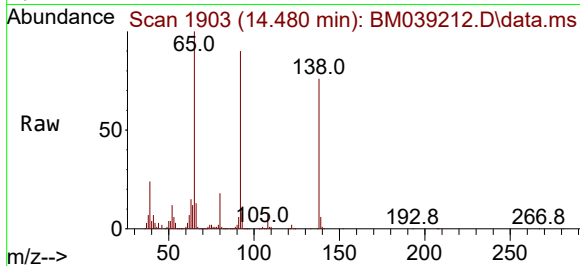




#53  
3-Nitroaniline  
Concen: 25.232 ng  
RT: 14.480 min Scan# 1904  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

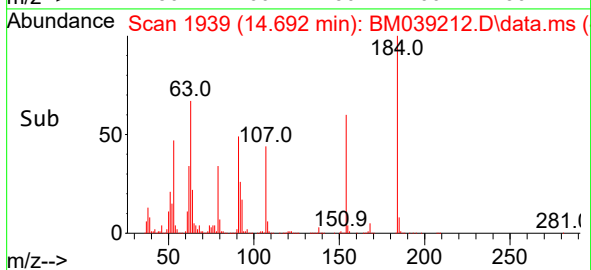
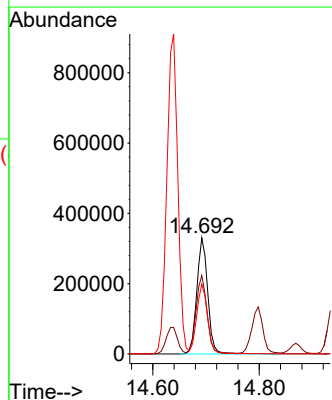
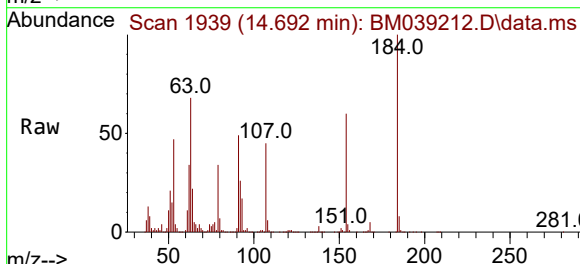
Instrument :  
BNA\_M  
ClientSampleId :  
PB151623BS

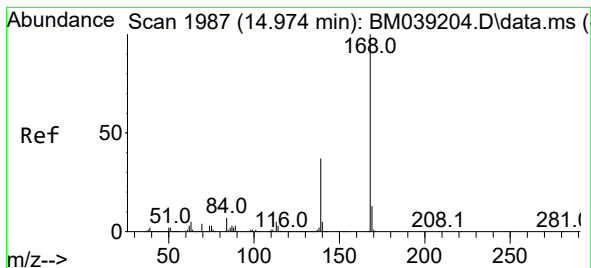
Tgt Ion:138 Resp: 234388  
Ion Ratio Lower Upper  
138 100  
108 9.6 8.0 12.0  
92 118.0 90.8 136.2



#54  
2,4-Dinitrophenol  
Concen: 98.790 ng  
RT: 14.692 min Scan# 1939  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:184 Resp: 470108  
Ion Ratio Lower Upper  
184 100  
63 67.5 56.4 84.6  
154 60.1 48.7 73.1





#55

Dibenzenofuran

Concen: 44.939 ng

RT: 14.974 min Scan# 1987

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

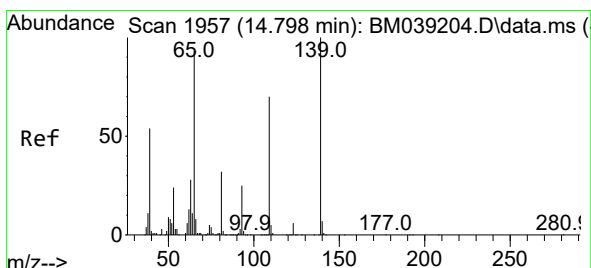
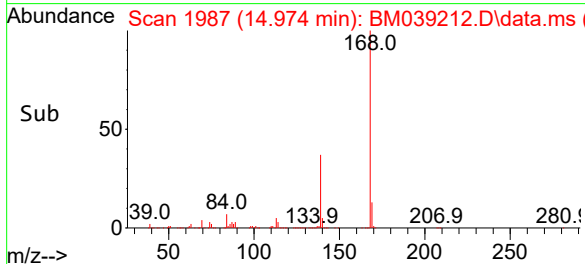
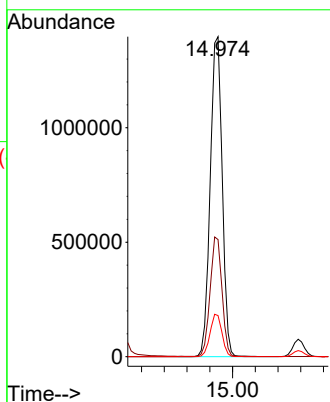
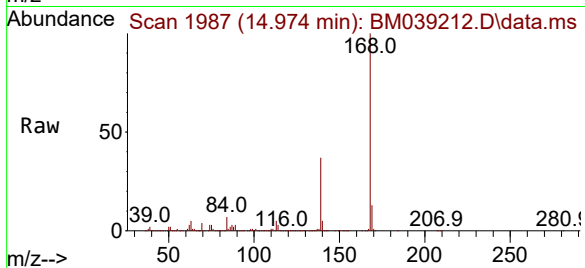
Tgt Ion:168 Resp: 2035524

Ion Ratio Lower Upper

168 100

139 36.6 29.4 44.2

169 12.8 10.6 15.8



#56

4-Nitrophenol

Concen: 94.211 ng

RT: 14.798 min Scan# 1957

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

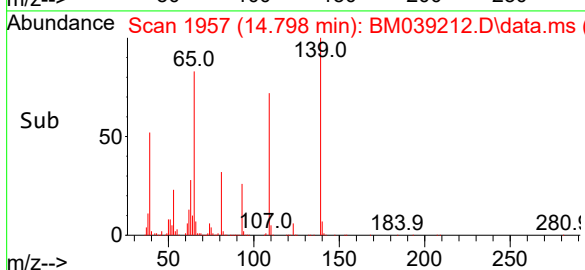
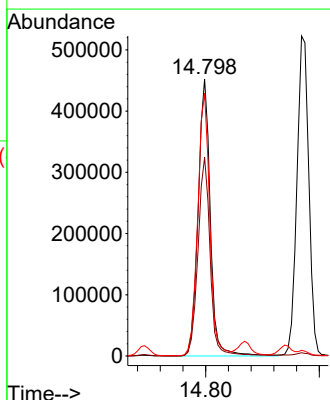
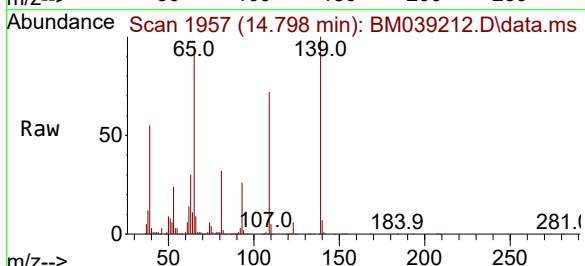
Tgt Ion:139 Resp: 674853

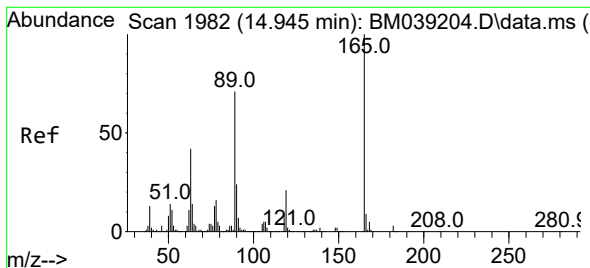
Ion Ratio Lower Upper

139 100

109 71.8 49.6 89.6

65 94.9 72.9 112.9

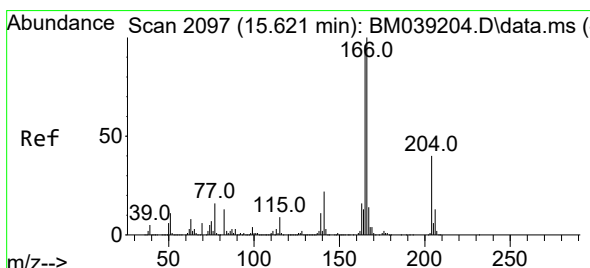
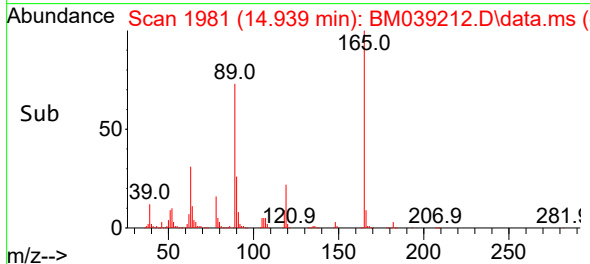
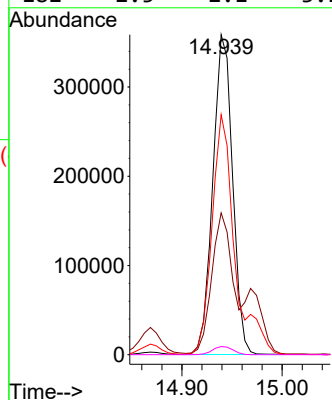
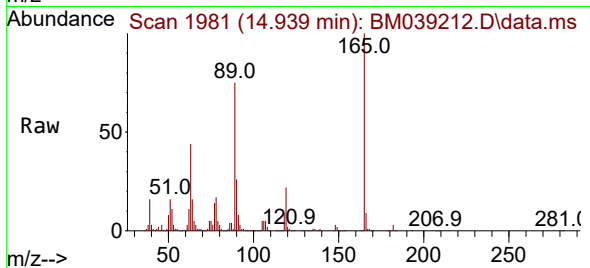




#57  
2,4-Dinitrotoluene  
Concen: 45.116 ng  
RT: 14.939 min Scan# 1982  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

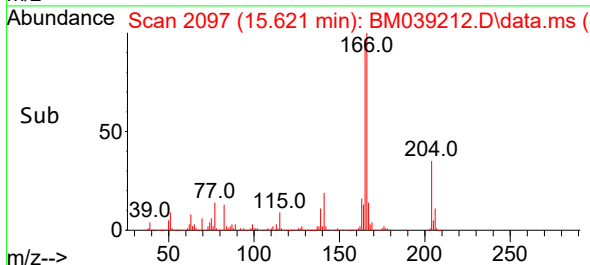
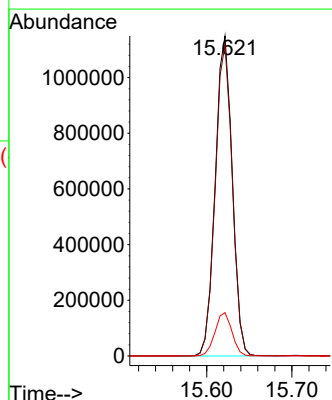
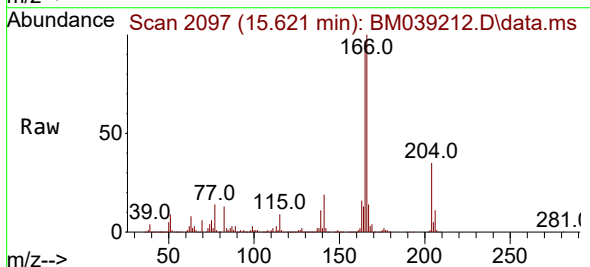
Instrument :  
BNA\_M  
ClientSampleId :  
PB151623BS

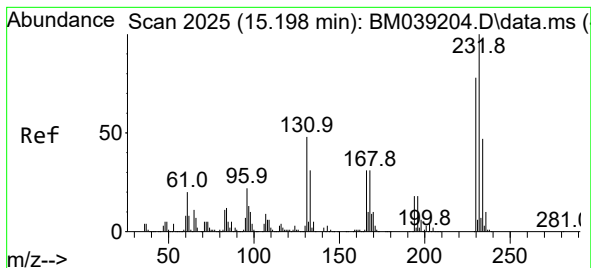
Tgt Ion:165 Resp: 490410  
Ion Ratio Lower Upper  
165 100  
63 44.3 33.5 50.3  
89 75.0 56.7 85.1  
182 2.5 2.1 3.1



#58  
Fluorene  
Concen: 44.498 ng  
RT: 15.621 min Scan# 2097  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:166 Resp: 1596030  
Ion Ratio Lower Upper  
166 100  
165 97.2 76.9 115.3  
167 13.6 10.8 16.2

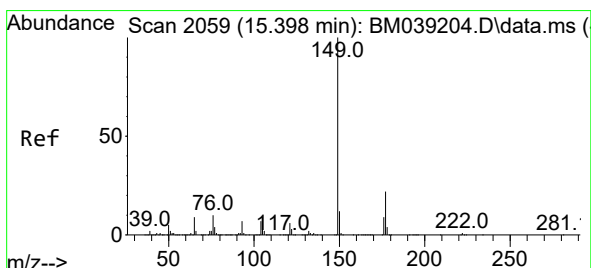
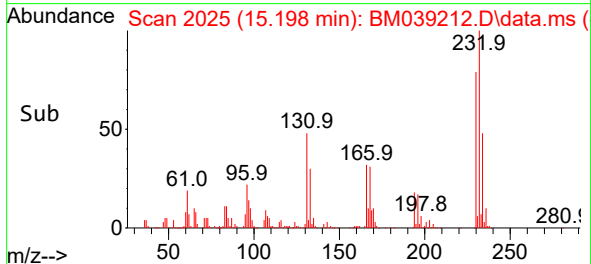
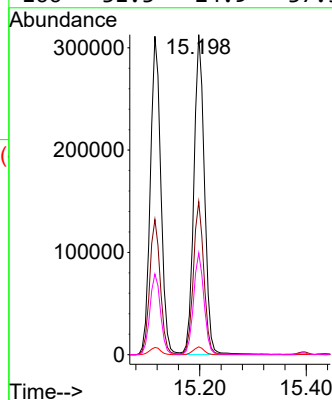
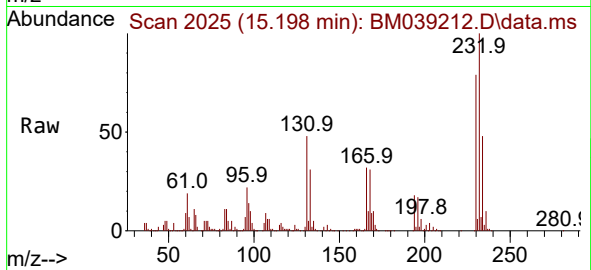




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.824 ng  
RT: 15.198 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

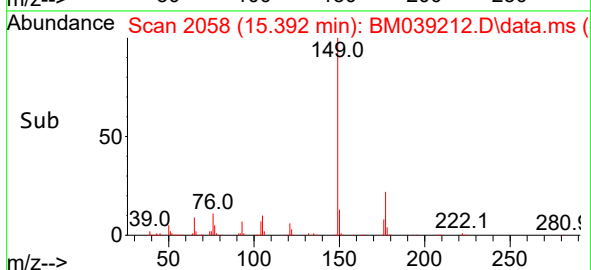
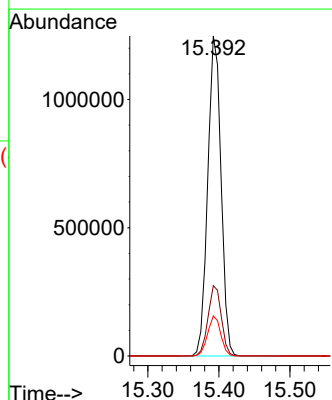
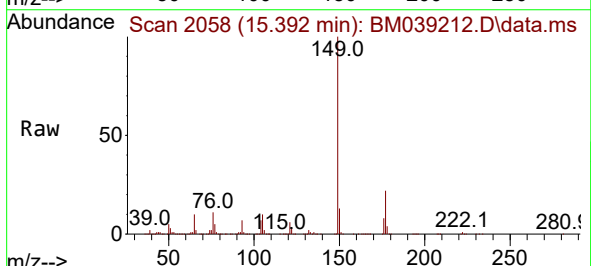
Instrument :  
BNA\_M  
ClientSampleId :  
PB151623BS

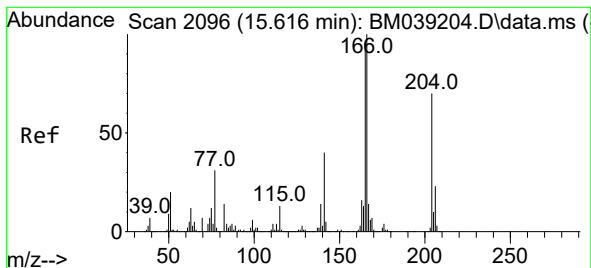
Tgt Ion:232 Resp: 430248  
Ion Ratio Lower Upper  
232 100  
131 47.4 37.7 56.5  
130 2.5 1.9 2.9  
166 31.3 24.9 37.3



#60  
Diethylphthalate  
Concen: 43.230 ng  
RT: 15.392 min Scan# 2058  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:149 Resp: 1625905  
Ion Ratio Lower Upper  
149 100  
177 21.9 17.7 26.5  
150 12.5 9.8 14.6

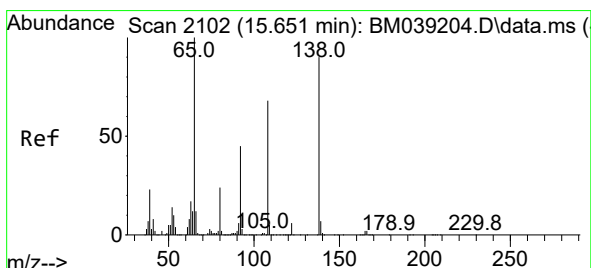
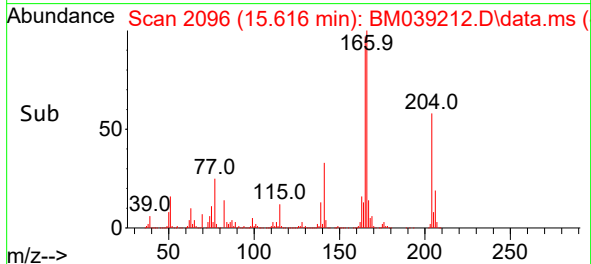
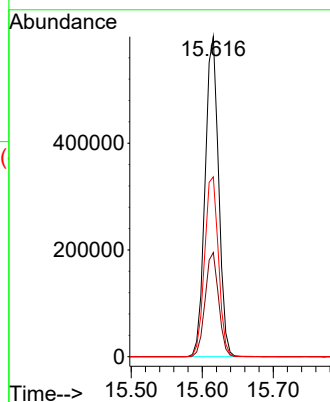
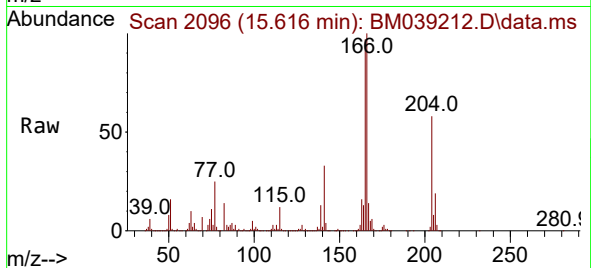




#61  
4-Chlorophenyl-phenylether  
Concen: 44.657 ng  
RT: 15.616 min Scan# 2096  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

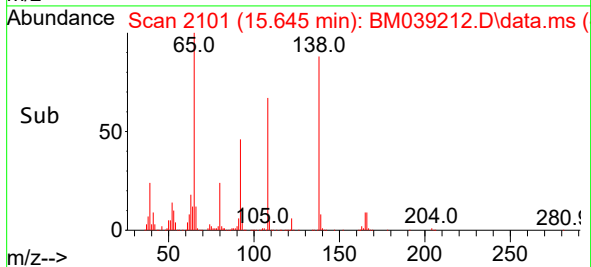
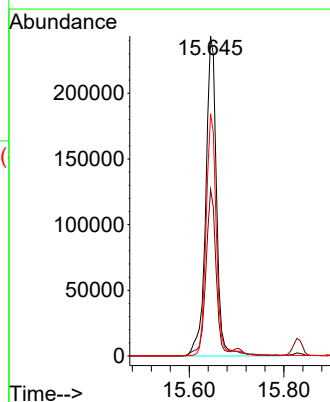
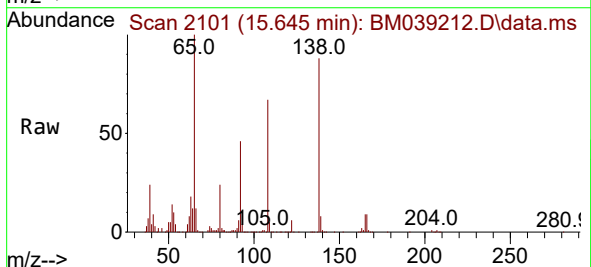
Instrument :  
BNA\_M  
ClientSampleId :  
PB151623BS

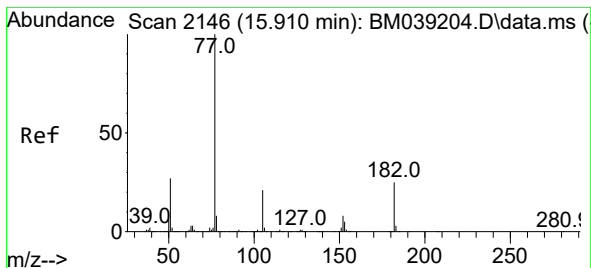
Tgt Ion:204 Resp: 793812  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.1 39.1  
141 56.2 45.8 68.6



#62  
4-Nitroaniline  
Concen: 40.344 ng  
RT: 15.645 min Scan# 2101  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:138 Resp: 384583  
Ion Ratio Lower Upper  
138 100  
92 52.1 30.5 70.5  
108 75.7 55.5 95.5





#63

Azobenzene

Concen: 44.881 ng

RT: 15.910 min Scan# 2146

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

Tgt Ion: 77 Resp: 1691165

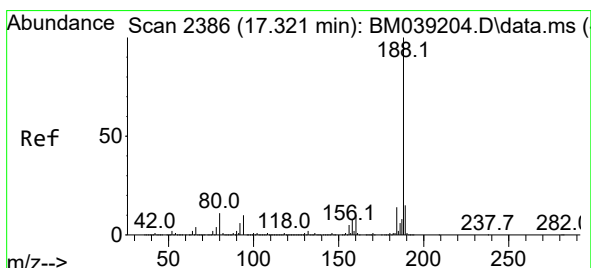
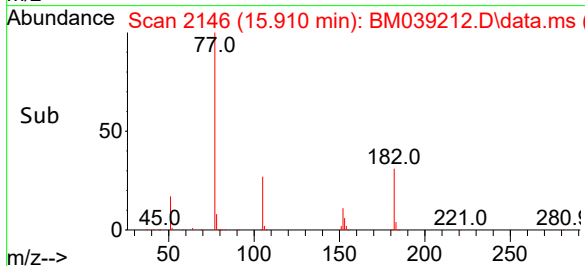
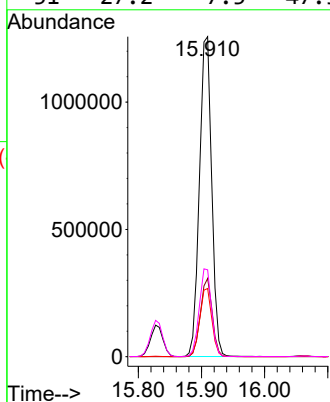
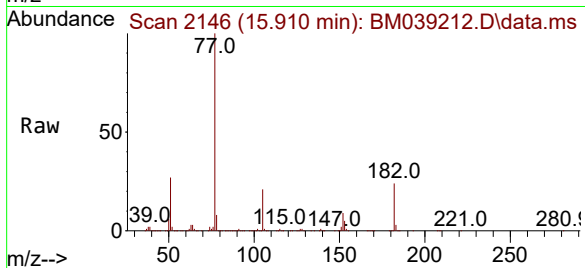
Ion Ratio Lower Upper

77 100

182 24.5 4.8 44.8

105 21.3 1.4 41.4

51 27.2 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: BM039212.D

Acq: 29 Mar 2023 19:41

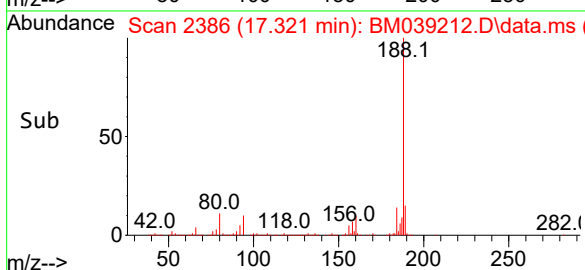
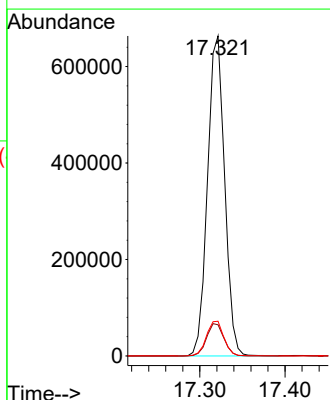
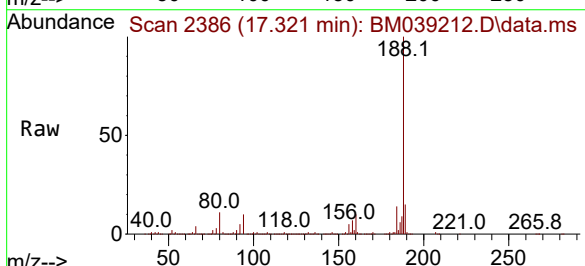
Tgt Ion: 188 Resp: 927005

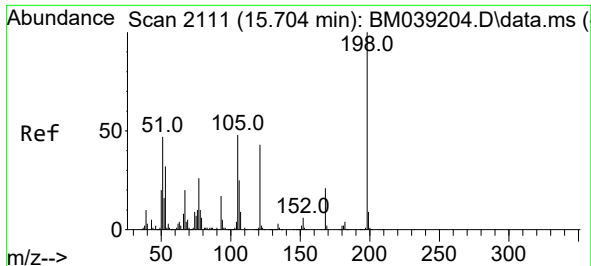
Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.4

80 10.9 8.9 13.3

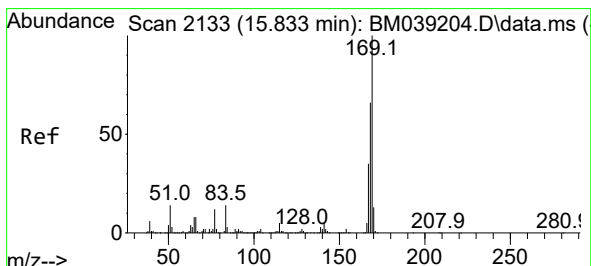
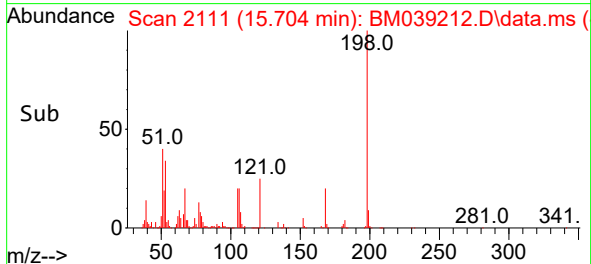
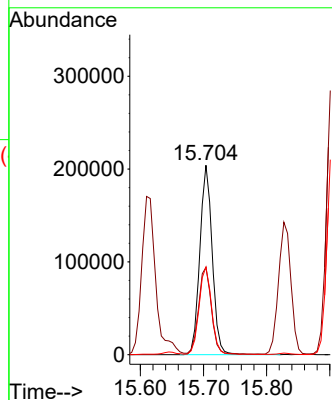
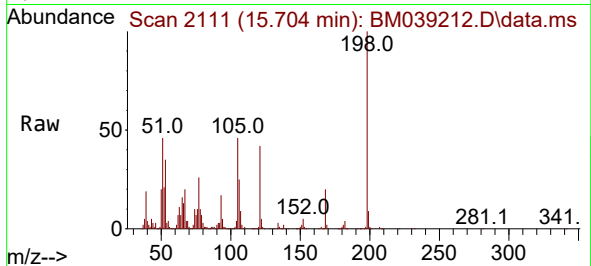




#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.668 ng  
RT: 15.704 min Scan# 2111  
Delta R.T. -0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

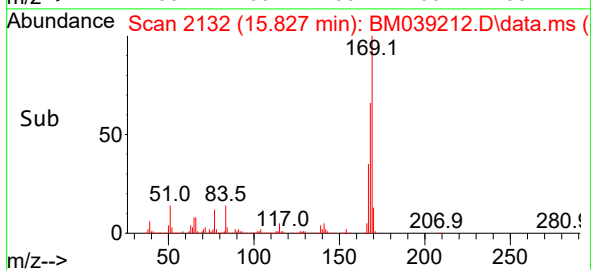
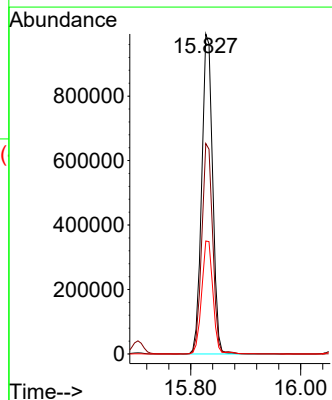
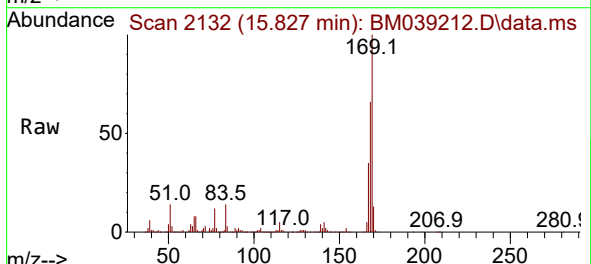
Instrument :  
BNA\_M  
ClientSampleId :  
PB151623BS

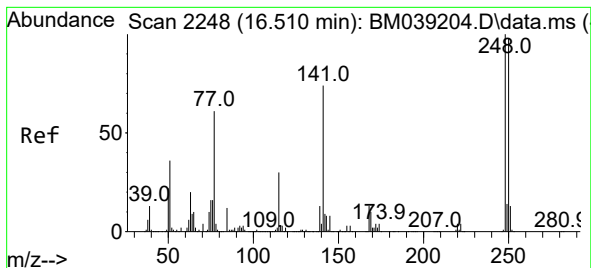
Tgt Ion:198 Resp: 278508  
Ion Ratio Lower Upper  
198 100  
51 46.1 28.9 68.9  
105 46.2 28.7 68.7



#66  
n-Nitrosodiphenylamine  
Concen: 46.836 ng  
RT: 15.827 min Scan# 2132  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:169 Resp: 1368151  
Ion Ratio Lower Upper  
169 100  
168 65.7 52.8 79.2  
167 35.3 28.4 42.6

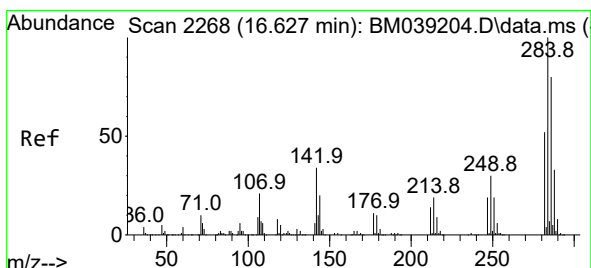
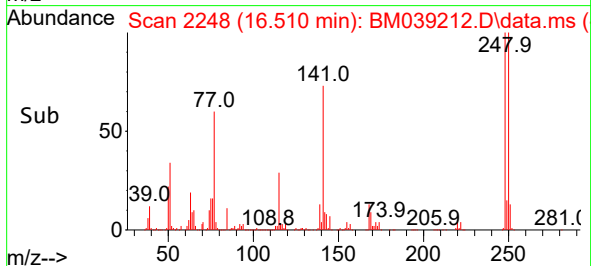
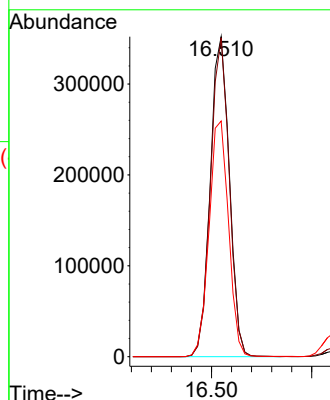
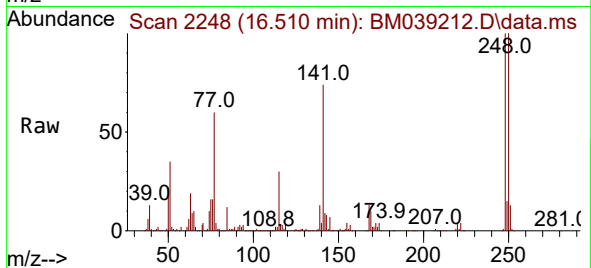




#67  
4-Bromophenyl-phenylether  
Concen: 47.081 ng  
RT: 16.510 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

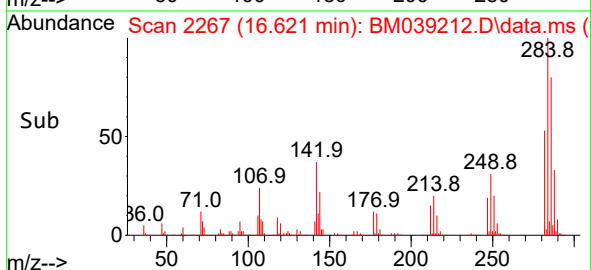
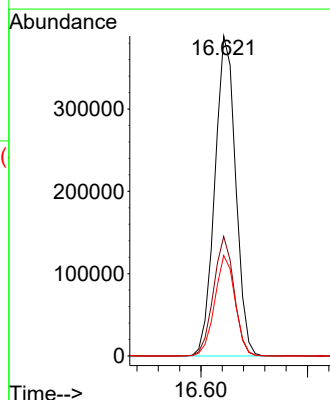
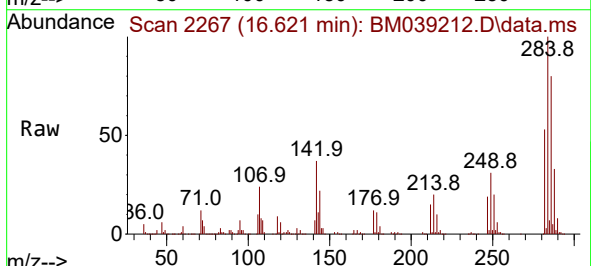
Instrument :  
BNA\_M  
ClientSampleId :  
PB151623BS

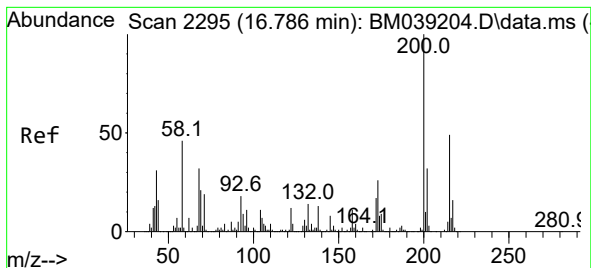
Tgt Ion:248 Resp: 466094  
Ion Ratio Lower Upper  
248 100  
250 99.7 78.8 118.2  
141 73.7 58.8 88.2



#68  
Hexachlorobenzene  
Concen: 49.039 ng  
RT: 16.621 min Scan# 2267  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:284 Resp: 526400  
Ion Ratio Lower Upper  
284 100  
142 37.4 27.4 41.2  
249 31.4 24.4 36.6





#69

Atrazine

Concen: 48.305 ng

RT: 16.780 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

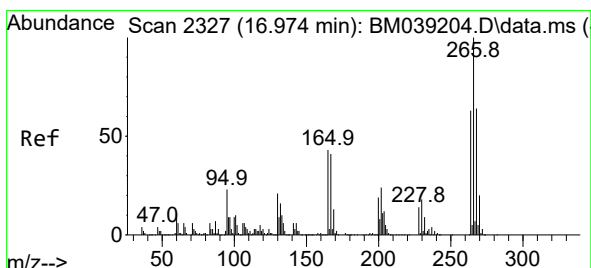
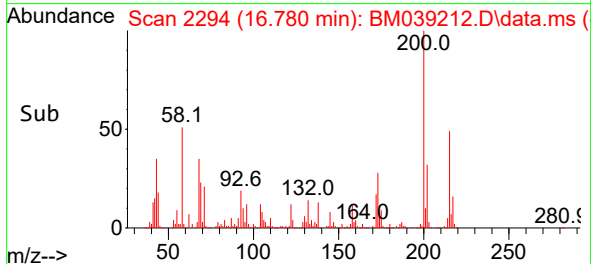
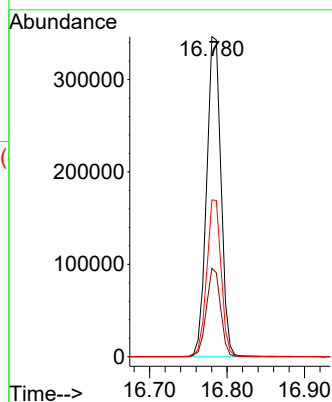
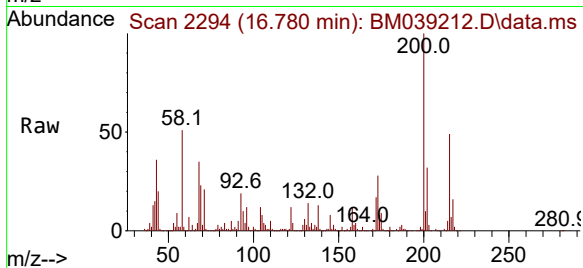
Tgt Ion:200 Resp: 446919

Ion Ratio Lower Upper

200 100

173 27.6 6.4 46.4

215 49.0 28.9 68.9



#70

Pentachlorophenol

Concen: 87.898 ng

RT: 16.968 min Scan# 2326

Delta R.T. -0.006 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

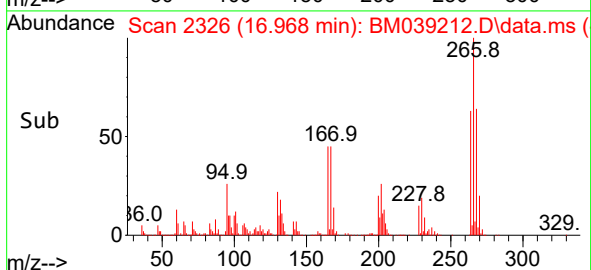
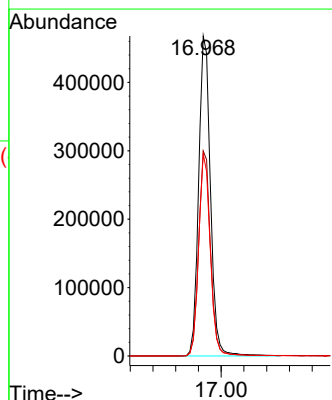
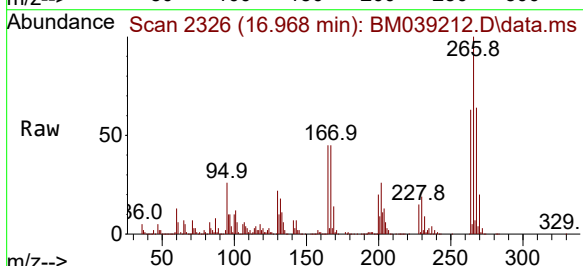
Tgt Ion:266 Resp: 676939

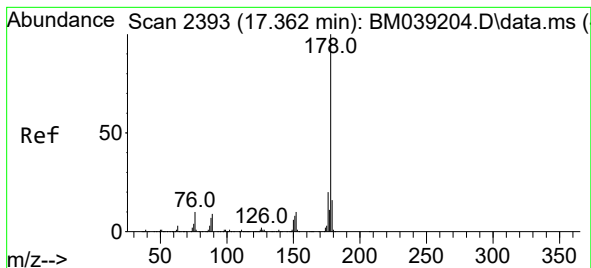
Ion Ratio Lower Upper

266 100

268 64.1 51.4 77.2

264 63.1 50.2 75.4





#71

Phenanthrene

Concen: 45.712 ng

RT: 17.363 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

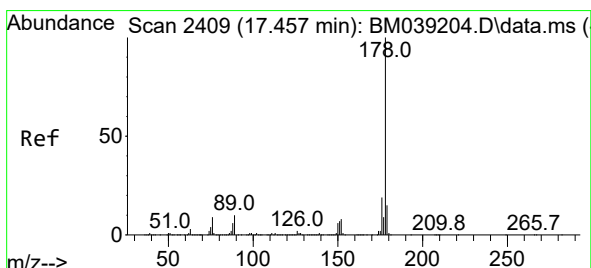
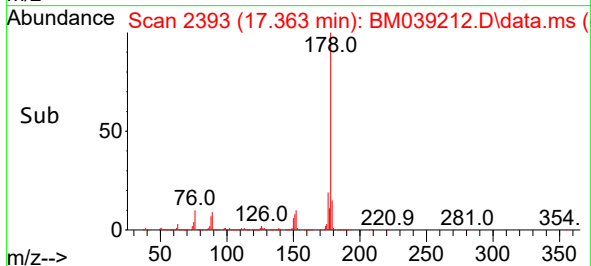
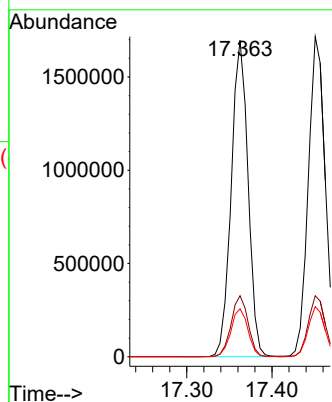
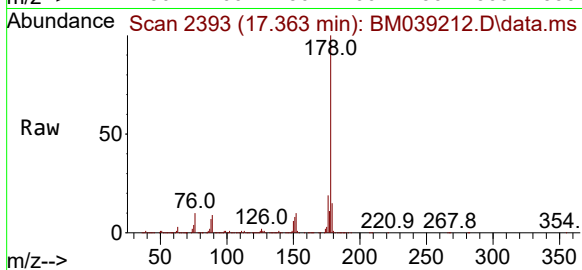
Tgt Ion:178 Resp: 2320829

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

179 15.1 12.4 18.6



#72

Anthracene

Concen: 45.734 ng

RT: 17.451 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

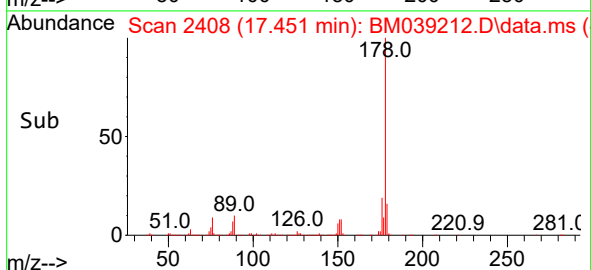
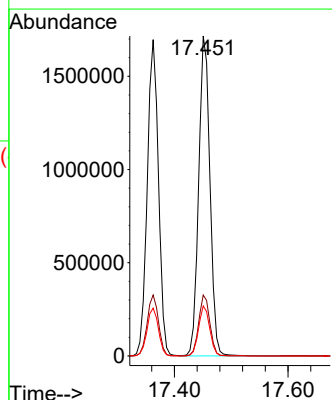
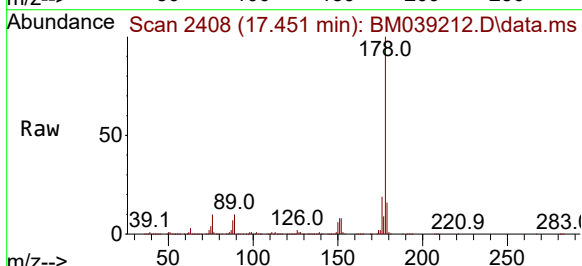
Tgt Ion:178 Resp: 2367610

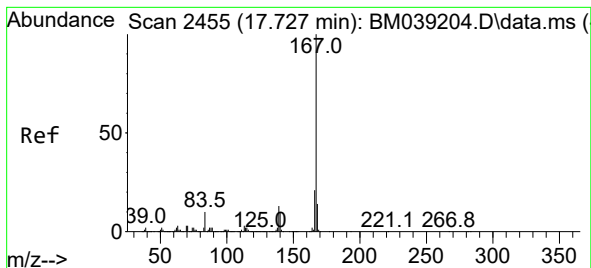
Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

179 15.7 12.2 18.2





#73

Carbazole

Concen: 45.015 ng

RT: 17.727 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

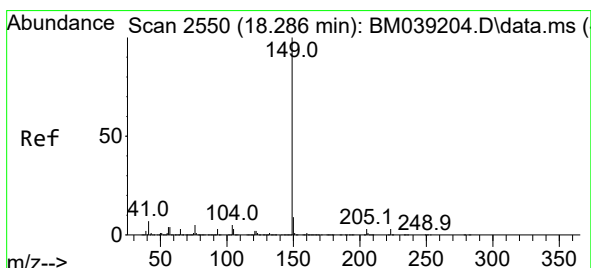
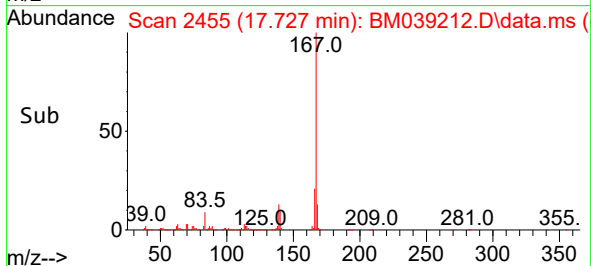
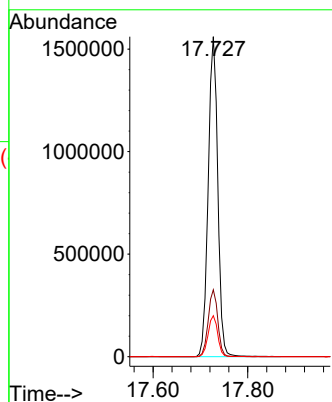
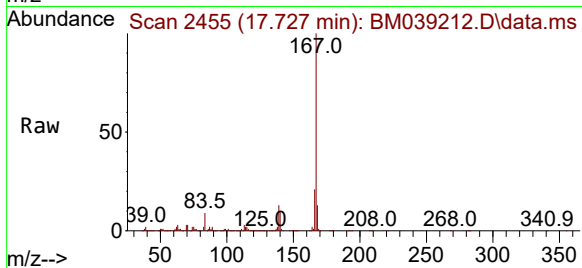
Tgt Ion:167 Resp: 2177567

Ion Ratio Lower Upper

167 100

166 20.9 17.2 25.8

139 12.8 10.6 16.0



#74

Di-n-butylphthalate

Concen: 44.782 ng

RT: 18.286 min Scan# 2550

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

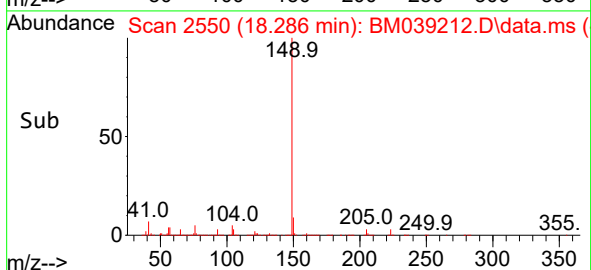
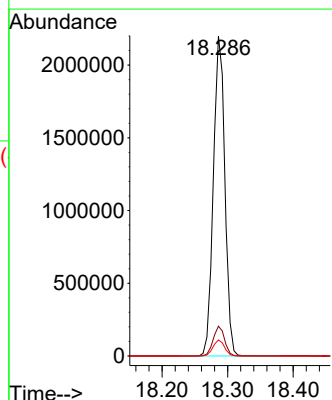
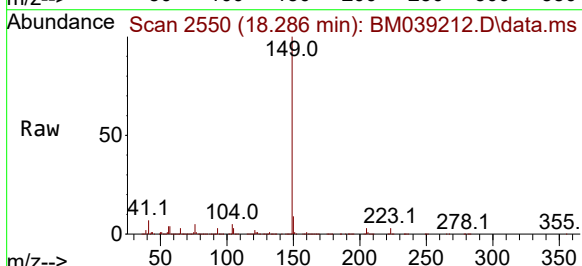
Tgt Ion:149 Resp: 2679755

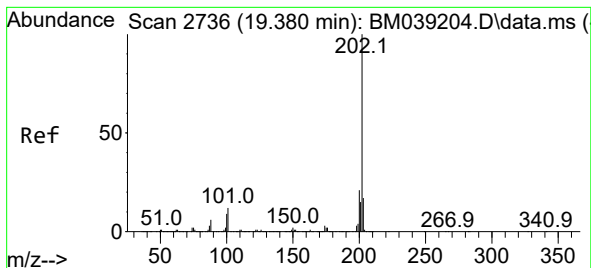
Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

104 5.0 4.1 6.1

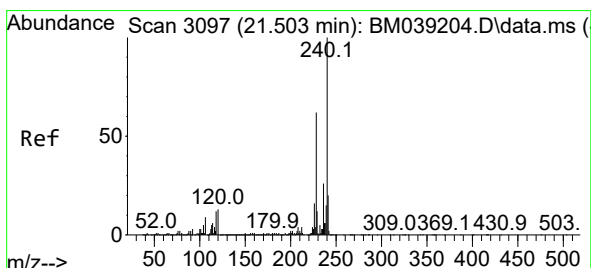
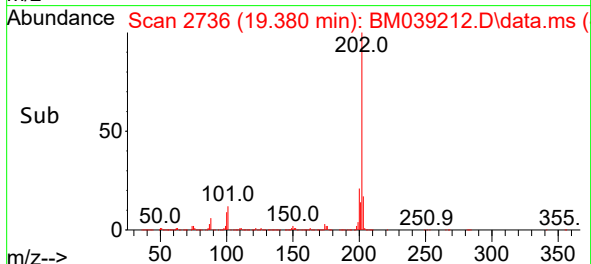
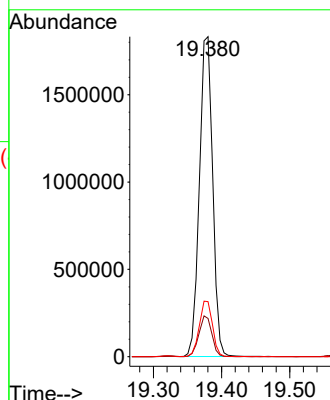
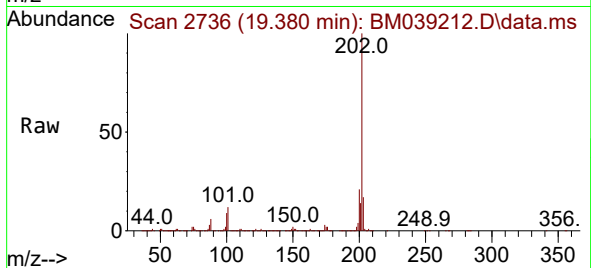




#75  
Fluoranthene  
Concen: 42.901 ng  
RT: 19.380 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

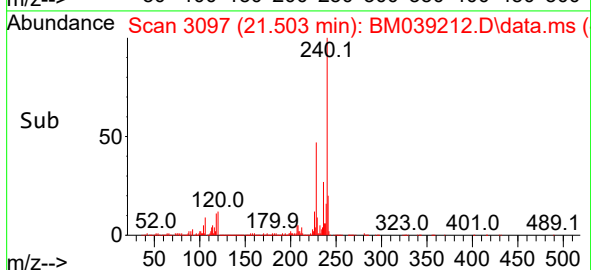
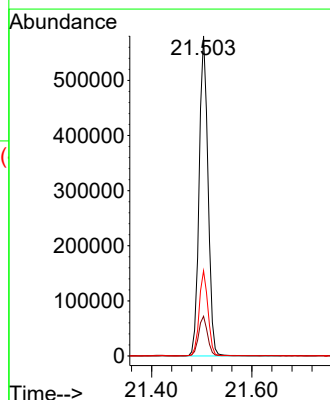
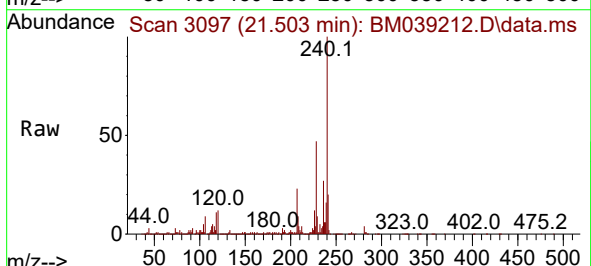
Instrument :  
BNA\_M  
ClientSampleId :  
PB151623BS

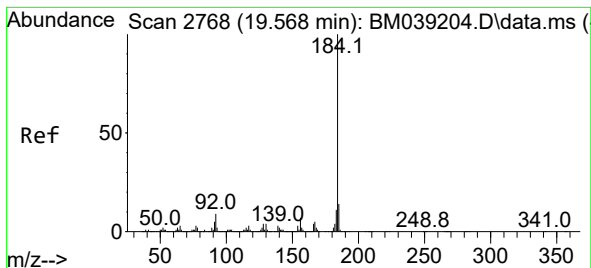
Tgt Ion:202 Resp: 2482898  
Ion Ratio Lower Upper  
202 100  
101 12.0 0.0 32.5  
203 17.2 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.503 min Scan# 3097  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:240 Resp: 708661  
Ion Ratio Lower Upper  
240 100  
120 12.4 10.2 15.2  
236 26.6 20.9 31.3





#77

Benzidine

Concen: 79.939 ng

RT: 19.562 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

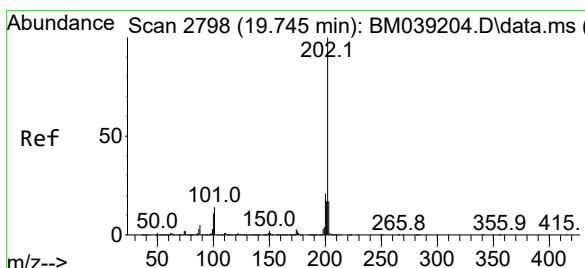
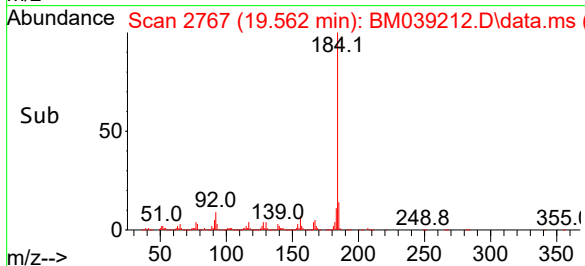
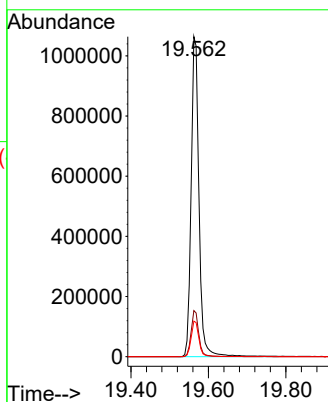
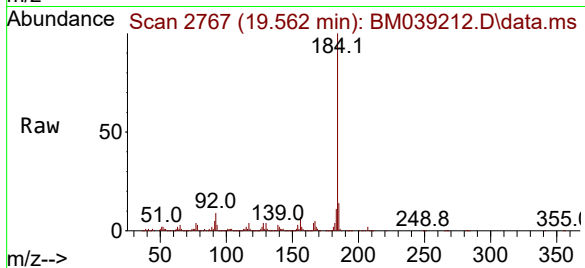
Tgt Ion:184 Resp: 1494222

Ion Ratio Lower Upper

184 100

185 14.4 11.4 17.0

183 11.1 9.0 13.4



#78

Pyrene

Concen: 51.331 ng

RT: 19.739 min Scan# 2797

Delta R.T. -0.006 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

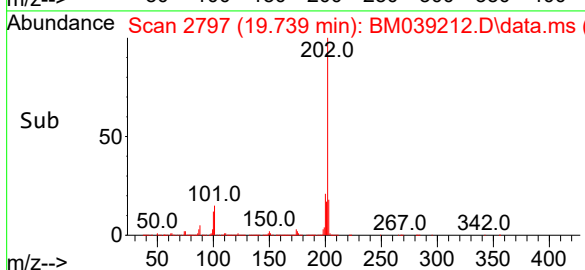
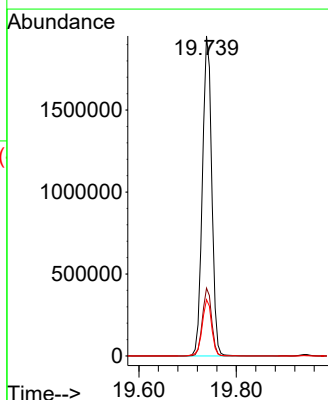
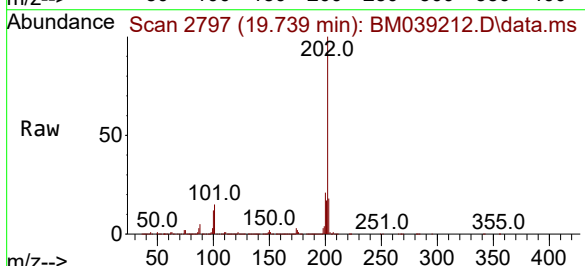
Tgt Ion:202 Resp: 2589610

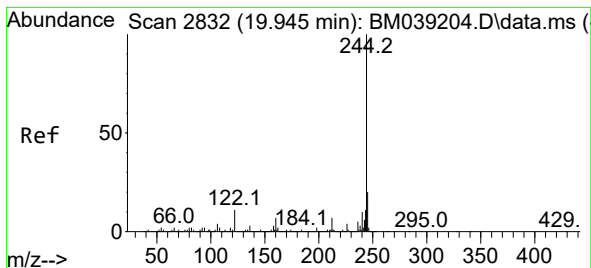
Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 17.6 13.9 20.9





#79

Terphenyl-d14

Concen: 83.763 ng

RT: 19.939 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

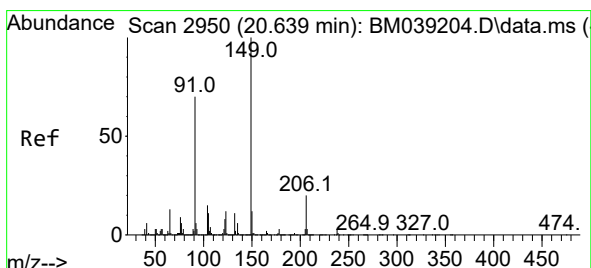
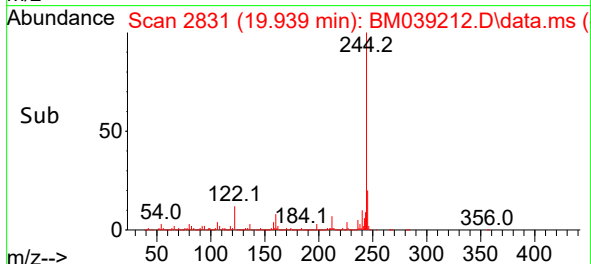
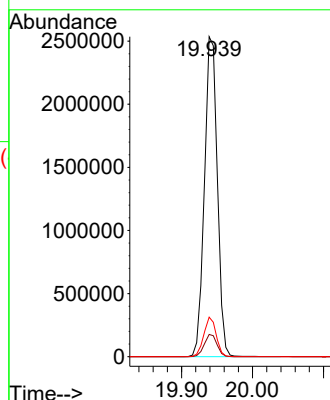
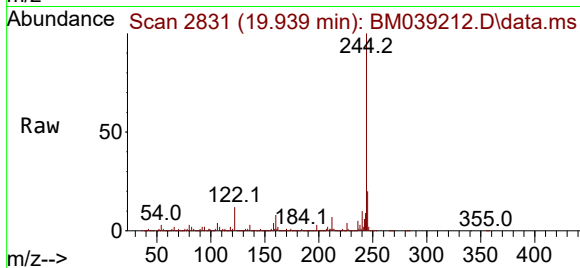
Tgt Ion:244 Resp: 3212858

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 12.4 9.1 13.7



#80

Butylbenzylphthalate

Concen: 47.928 ng

RT: 20.639 min Scan# 2950

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

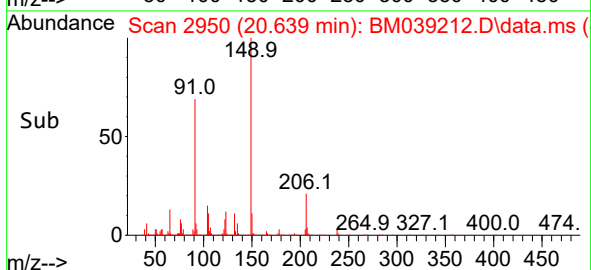
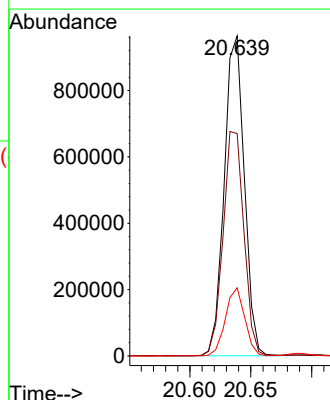
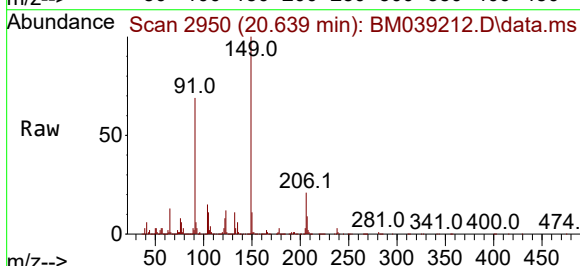
Tgt Ion:149 Resp: 1107723

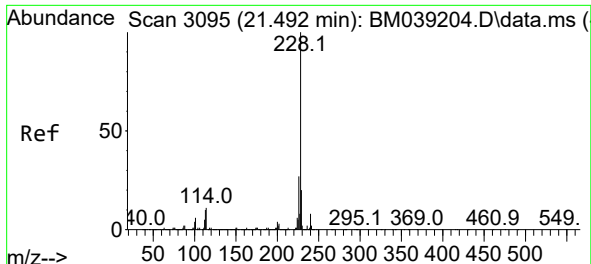
Ion Ratio Lower Upper

149 100

91 69.5 56.3 84.5

206 21.3 16.4 24.6

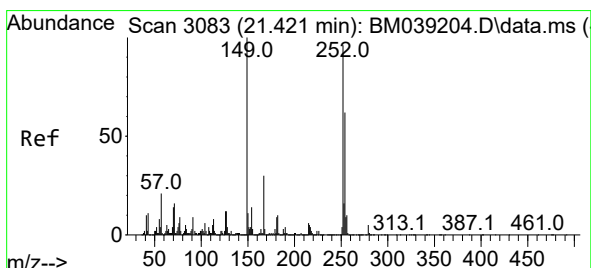
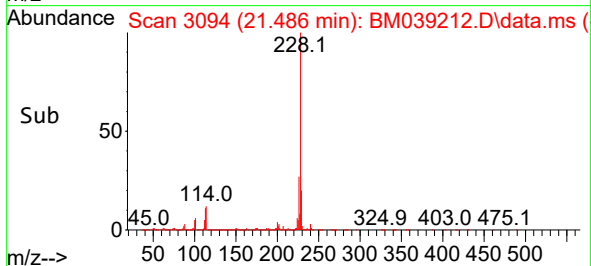
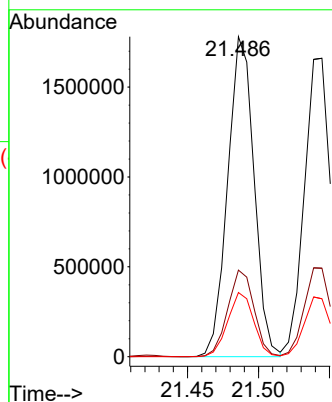
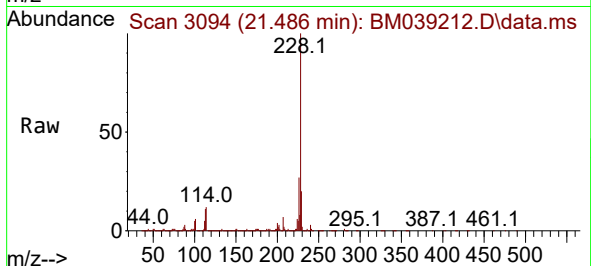




#81  
Benzo(a)anthracene  
Concen: 46.037 ng  
RT: 21.486 min Scan# 3094  
Delta R.T. -0.006 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

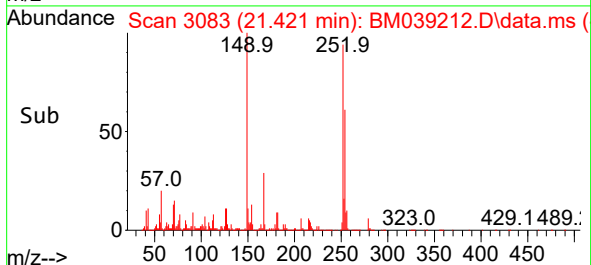
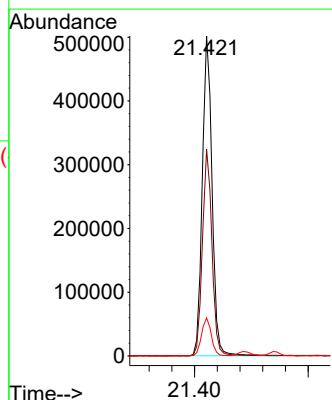
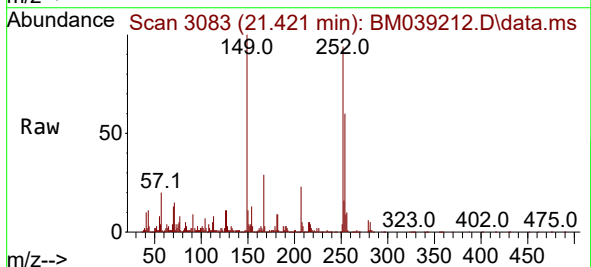
Instrument :  
BNA\_M  
ClientSampleId :  
PB151623BS

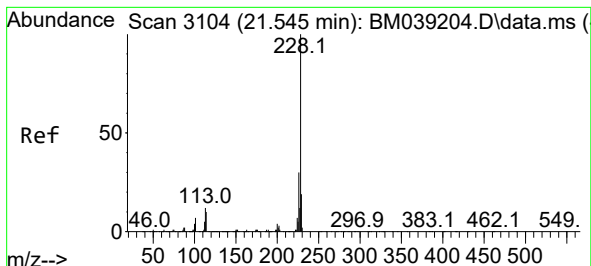
Tgt Ion:228 Resp: 2300904  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.9 32.9  
229 20.0 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 35.978 ng  
RT: 21.421 min Scan# 3083  
Delta R.T. 0.000 min  
Lab File: BM039212.D  
Acq: 29 Mar 2023 19:41

Tgt Ion:252 Resp: 599009  
Ion Ratio Lower Upper  
252 100  
254 64.5 51.8 77.8  
126 11.9 10.1 15.1





#83

Chrysene

Concen: 44.840 ng

RT: 21.545 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

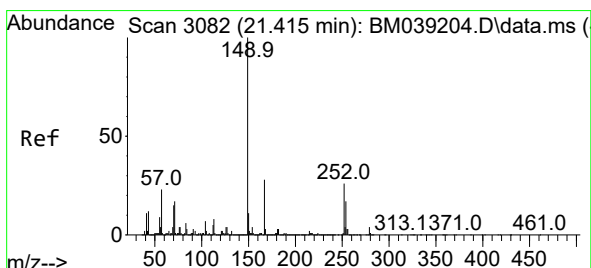
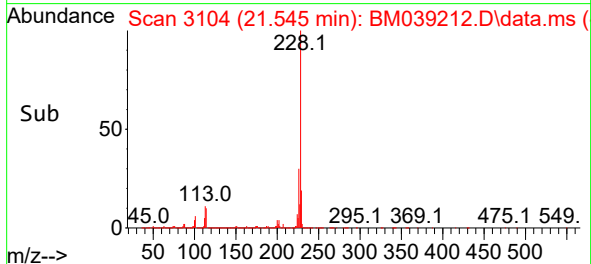
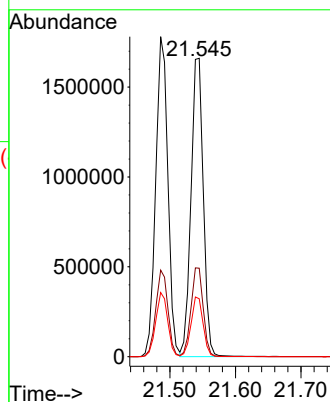
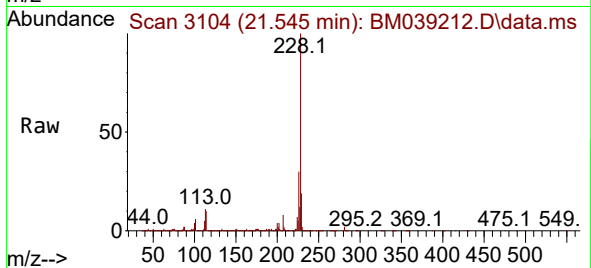
Tgt Ion:228 Resp: 2163474

Ion Ratio Lower Upper

228 100

226 29.6 24.1 36.1

229 19.4 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.260 ng

RT: 21.409 min Scan# 3081

Delta R.T. -0.006 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

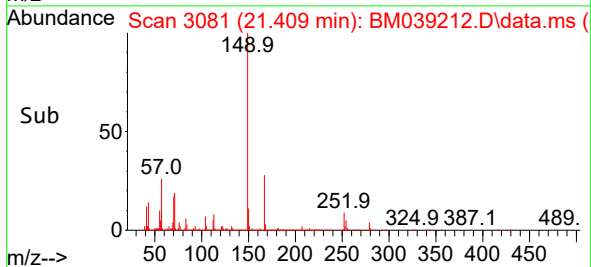
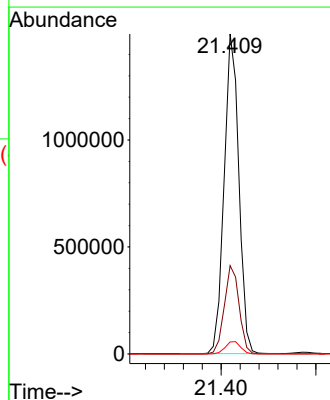
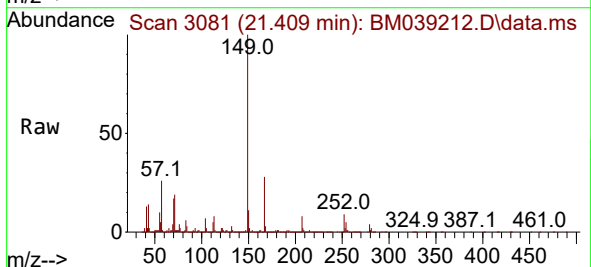
Tgt Ion:149 Resp: 1613187

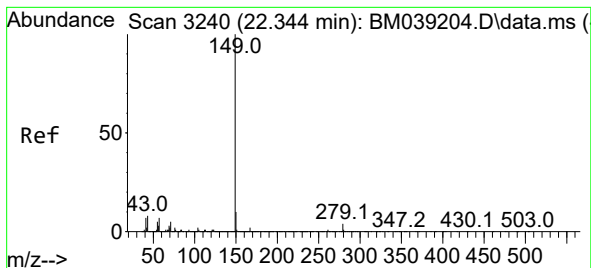
Ion Ratio Lower Upper

149 100

167 27.6 22.3 33.5

279 3.7 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 43.955 ng

RT: 22.345 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

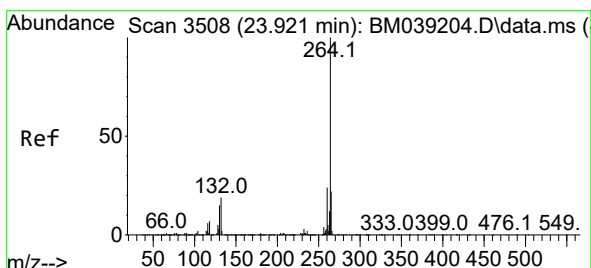
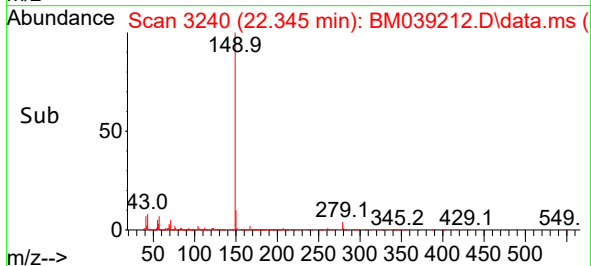
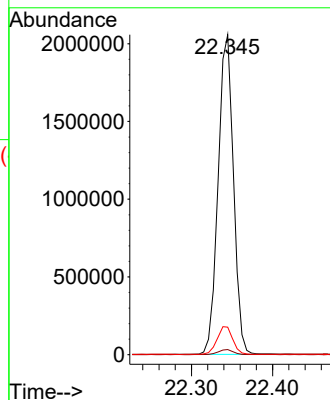
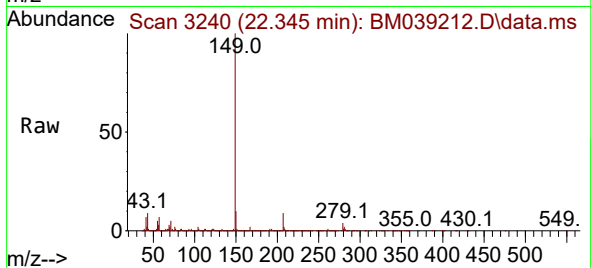
Tgt Ion:149 Resp: 2703193

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 8.8 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.921 min Scan# 3508

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

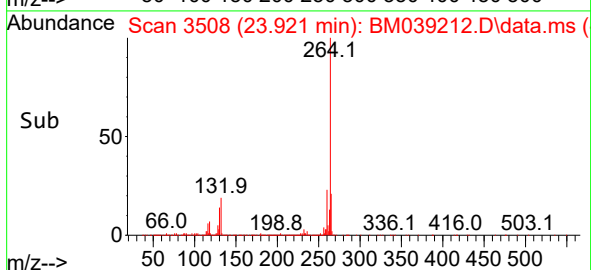
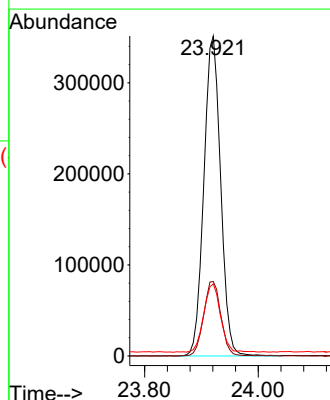
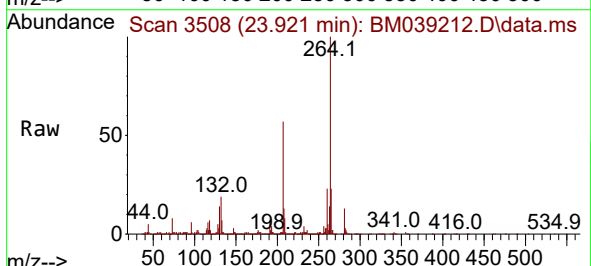
Tgt Ion:264 Resp: 718930

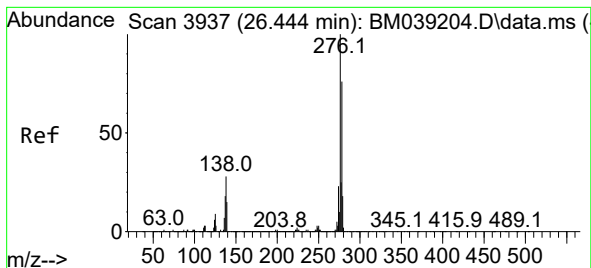
Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.6

265 22.5 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.559 ng

RT: 26.433 min Scan# 3935

Delta R.T. -0.012 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

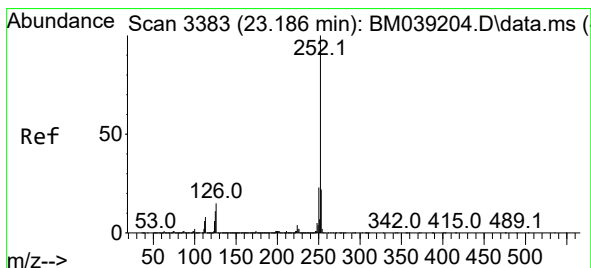
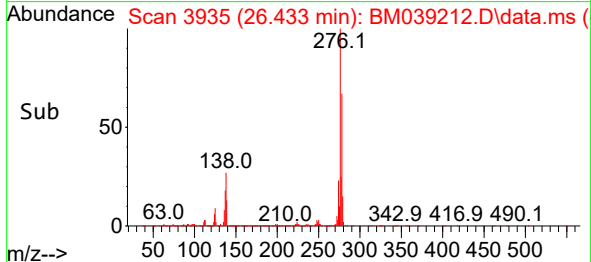
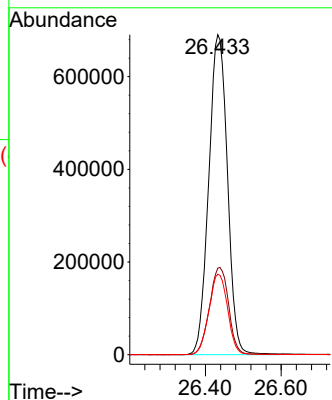
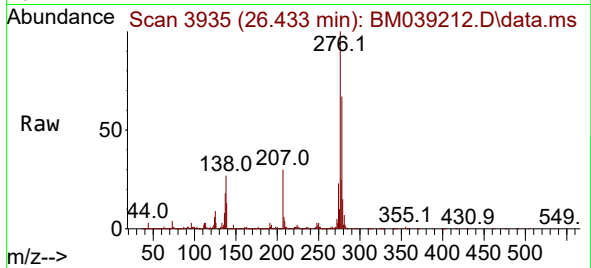
Tgt Ion:276 Resp: 2360319

Ion Ratio Lower Upper

276 100

138 27.9 22.2 33.2

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 51.100 ng

RT: 23.186 min Scan# 3383

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

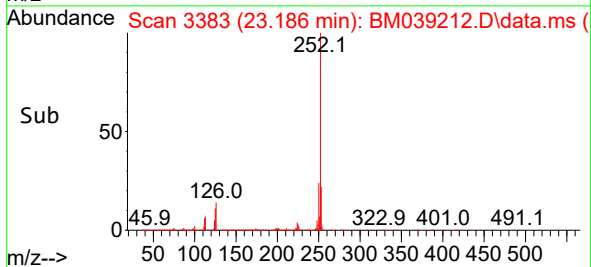
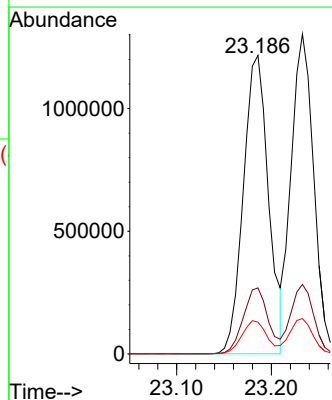
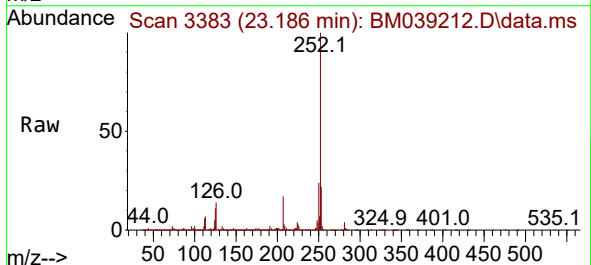
Tgt Ion:252 Resp: 2247901

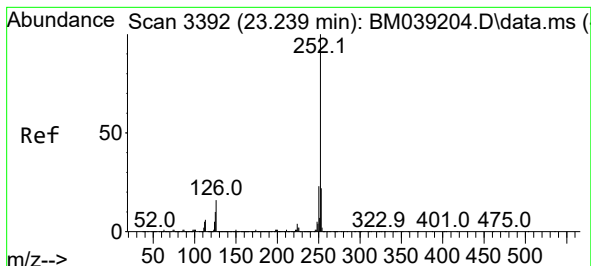
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 10.7 9.0 13.6





#89

Benzo(k)fluoranthene

Concen: 48.115 ng

RT: 23.233 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

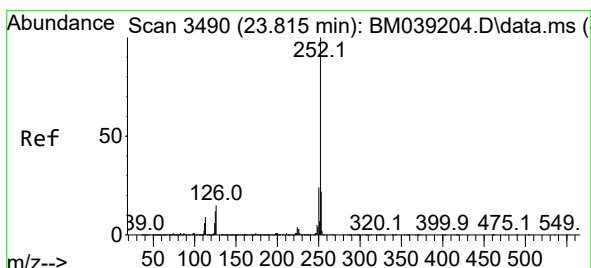
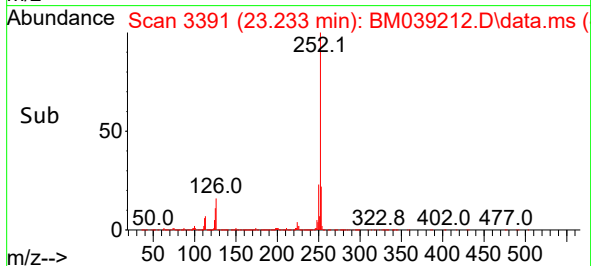
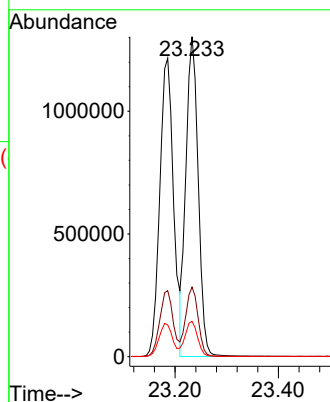
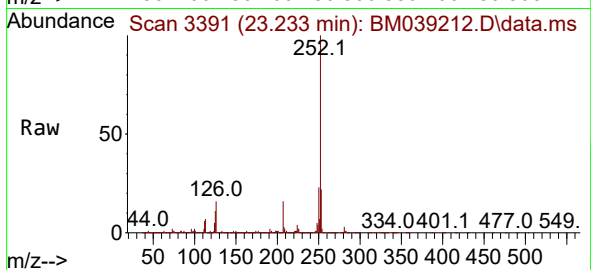
Tgt Ion:252 Resp: 2155940

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 11.1 8.5 12.7



#90

Benzo(a)pyrene

Concen: 44.112 ng

RT: 23.815 min Scan# 3490

Delta R.T. 0.000 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

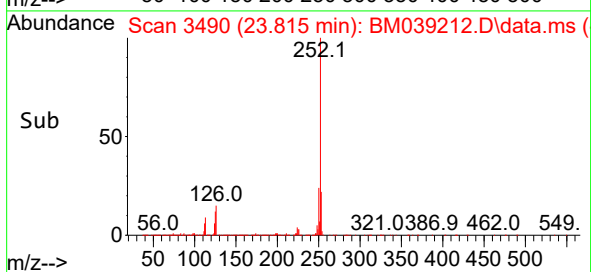
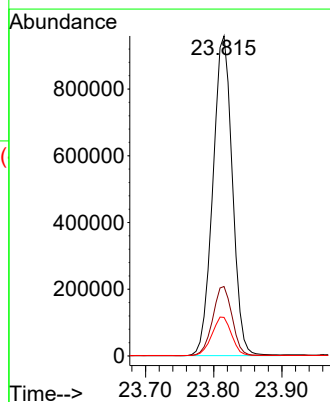
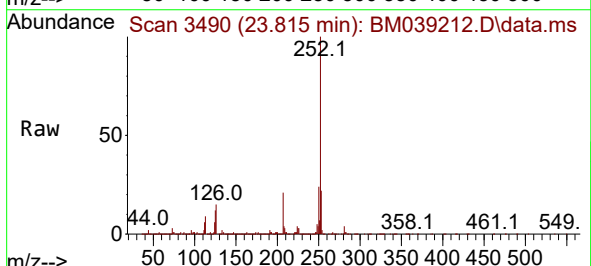
Tgt Ion:252 Resp: 1906243

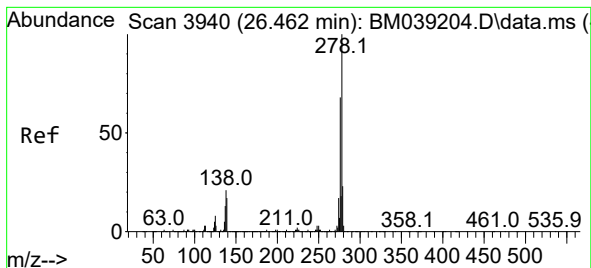
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 12.1 9.8 14.6





#91

Dibenzo(a,h)anthracene

Concen: 44.716 ng

RT: 26.450 min Scan# 3940

Delta R.T. -0.012 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Instrument :

BNA\_M

ClientSampleId :

PB151623BS

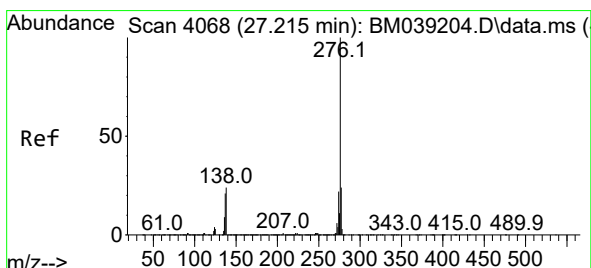
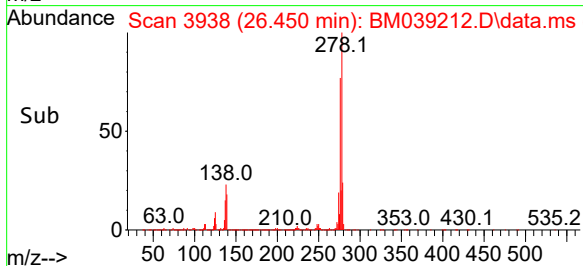
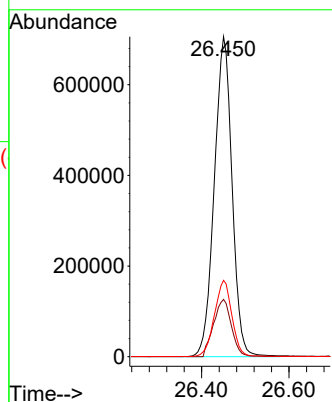
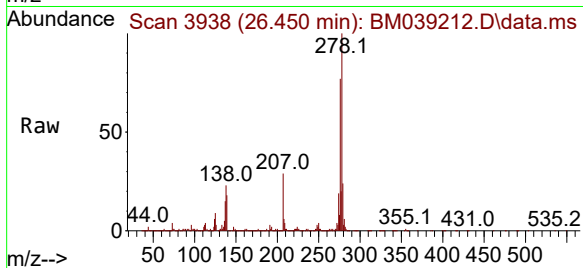
Tgt Ion:278 Resp: 1988924

Ion Ratio Lower Upper

278 100

139 17.9 13.9 20.9

279 23.8 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 43.633 ng

RT: 27.209 min Scan# 4067

Delta R.T. -0.006 min

Lab File: BM039212.D

Acq: 29 Mar 2023 19:41

Tgt Ion:276 Resp: 1908584

Ion Ratio Lower Upper

276 100

277 23.7 19.1 28.7

138 24.3 19.5 29.3

