

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071025\  
 Data File : BM050398.D  
 Acq On : 10 Jul 2025 20:39  
 Operator : RC/JU  
 Sample : Q2489-01MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 G4(0-6)MS

Quant Time: Jul 11 01:27:10 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM070925.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 08 18:32:25 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.863  | 152  | 593749   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.657 | 136  | 2296155  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.492 | 164  | 1504294  | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.227 | 188  | 3001428  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.456 | 240  | 3160884  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.491 | 264  | 2480587  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 2224952  | 64.503  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.022  | 99   | 1766993  | 40.636  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.016  | 82   | 3788091  | 84.167  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.974 | 330  | 3016991  | 165.068 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.122 | 172  | 9817246  | 80.594  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.839 | 244  | 13758226 | 76.583  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.334  | 88   | 237337   | 16.733  | ng    | 99       |
| 3) Pyridine                   | 3.734  | 79   | 601867   | 16.163  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.640  | 42   | 338577   | 19.503  | ng    | # 97     |
| 6) Aniline                    | 7.187  | 93   | 1533319  | 27.477  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.428  | 128  | 1362013  | 37.447  | ng    | 98       |
| 9) Benzaldehyde               | 6.998  | 77   | 990975   | 38.311  | ng    | 98       |
| 10) Phenol                    | 7.045  | 94   | 653586   | 14.411  | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 7.281  | 93   | 1535846  | 42.285  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.751  | 146  | 1118342  | 25.287  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.898  | 146  | 1171030  | 25.931  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.216  | 146  | 1184052  | 27.386  | ng    | 100      |
| 15) Benzyl Alcohol            | 8.098  | 79   | 993359   | 32.422  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.387  | 45   | 2080061  | 38.880  | ng    | 100      |
| 17) 2-Methylphenol            | 8.298  | 107  | 955706   | 32.490  | ng    | 99       |
| 18) Hexachloroethane          | 8.951  | 117  | 383987   | 24.177  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.669  | 70   | 1265497  | 48.041  | ng    | 96       |
| 20) 3+4-Methylphenols         | 8.628  | 107  | 1175122  | 29.759  | ng    | 99       |
| 22) Acetophenone              | 8.681  | 105  | 2548607  | 44.393  | ng    | 97       |
| 24) Nitrobenzene              | 9.057  | 77   | 1726765  | 42.995  | ng    | 98       |
| 25) Isophorone                | 9.592  | 82   | 3525997  | 48.281  | ng    | 100      |
| 26) 2-Nitrophenol             | 9.769  | 139  | 815463   | 49.819  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.834  | 122  | 1492881  | 42.861  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93   | 2226233  | 46.004  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.304 | 162  | 1642192  | 45.893  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.522 | 180  | 1457078  | 34.039  | ng    | 100      |
| 31) Naphthalene               | 10.710 | 128  | 4450418  | 38.159  | ng    | 99       |
| 32) Benzoic acid              | 9.922  | 122  | 314772   | 18.865  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.810 | 127  | 1494176  | 30.304  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.004 | 225  | 762547   | 29.187  | ng    | 99       |
| 35) Caprolactam               | 11.586 | 113  | 46978    | 4.809   | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 11.933 | 107  | 1504550  | 45.026  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.322 | 142  | 3273041  | 44.447  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.539 | 142  | 3475568  | 44.597  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.686 | 216  | 2158519  | 45.122  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.675 | 237  | 2202761  | 72.036  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.922 | 196  | 1508438  | 51.227  | ng    | 99       |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.992 | 196  | 1654685  | 51.453  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.327 | 154  | 5134210  | 46.002  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.369 | 162  | 3996208  | 44.908  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.563 | 65   | 1097792  | 55.269  | ng    | 95       |
| 49) Acenaphthylene            | 14.216 | 152  | 6502221  | 48.349  | ng    | 99       |
| 50) Dimethylphthalate         | 13.951 | 163  | 5492602  | 53.034  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.063 | 165  | 1097204  | 55.177  | ng    | 96       |
| 52) Acenaphthene              | 14.557 | 154  | 4020866  | 47.028  | ng    | 100      |
| 53) 3-Nitroaniline            | 14.386 | 138  | 793223   | 37.509  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.592 | 184  | 1268000  | 112.711 | ng #  | 85       |
| 55) Dibenzofuran              | 14.892 | 168  | 6291245  | 47.756  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.686 | 139  | 727022   | 39.976  | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.845 | 165  | 1577324  | 52.704  | ng    | 97       |
| 58) Fluorene                  | 15.539 | 166  | 5530046  | 50.964  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.110 | 232  | 1477699  | 54.585  | ng    | 98       |
| 60) Diethylphthalate          | 15.316 | 149  | 5128680  | 51.841  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204  | 2922679  | 51.511  | ng    | 97       |
| 62) 4-Nitroaniline            | 15.545 | 138  | 1172268  | 48.205  | ng    | 98       |
| 63) Azobenzene                | 15.821 | 77   | 4738176  | 52.158  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.604 | 198  | 851588   | 52.140  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.745 | 169  | 4656336  | 49.578  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.421 | 248  | 1727958  | 52.253  | ng    | 100      |
| 68) Hexachlorobenzene         | 16.539 | 284  | 1997235  | 51.137  | ng    | 96       |
| 69) Atrazine                  | 16.692 | 200  | 1702330  | 55.199  | ng    | 100      |
| 70) Pentachlorophenol         | 16.874 | 266  | 2906548  | 119.545 | ng    | 99       |
| 71) Phenanthrene              | 17.268 | 178  | 8458203  | 49.802  | ng    | 99       |
| 72) Anthracene                | 17.362 | 178  | 8602361  | 50.884  | ng    | 99       |
| 73) Carbazole                 | 17.621 | 167  | 7985603  | 52.205  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.198 | 149  | 9347956  | 55.833  | ng    | 99       |
| 75) Fluoranthene              | 19.274 | 202  | 10212191 | 55.311  | ng    | 99       |
| 77) Benzidine                 | 19.451 | 184  | 5021242  | 62.281  | ng    | 100      |
| 78) Pyrene                    | 19.639 | 202  | 10584561 | 52.285  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.533 | 149  | 4212458  | 63.107  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.439 | 228  | 10652130 | 51.721  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.356 | 252  | 3348107  | 48.206  | ng    | 100      |
| 83) Chrysene                  | 21.497 | 228  | 9862925  | 50.772  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.368 | 149  | 6463875  | 61.000  | ng    | 97       |
| 85) Di-n-octyl phthalate      | 22.521 | 149  | 10297978 | 62.050  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 27.932 | 276  | 7968564  | 45.182  | ng #  | 93       |
| 88) Benzo(b)fluoranthene      | 23.533 | 252  | 8758935  | 57.405  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.597 | 252  | 8704573  | 54.980  | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.350 | 252  | 7714979  | 54.014  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 27.997 | 278  | 6728546  | 45.300  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 29.003 | 276  | 6186792  | 44.072  | ng    | 99       |

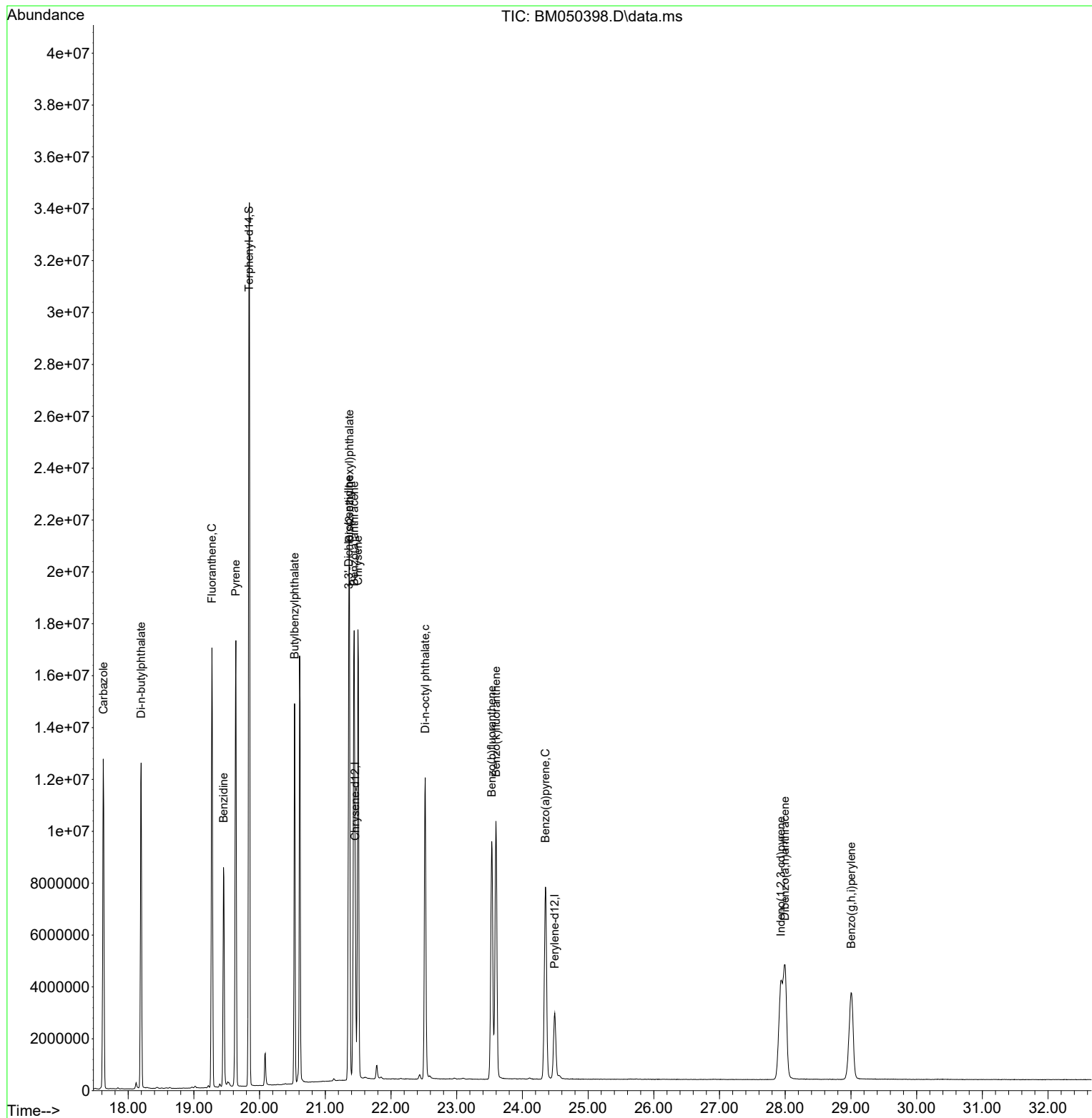
(#) = qualifier out of range (m) = manual integration (+) = signals summed



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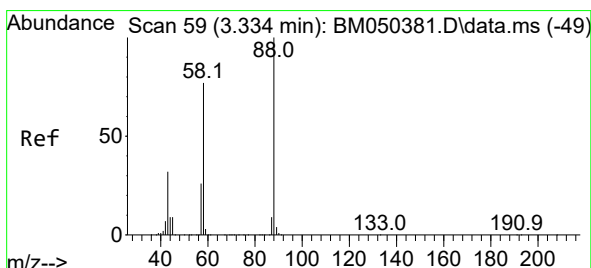
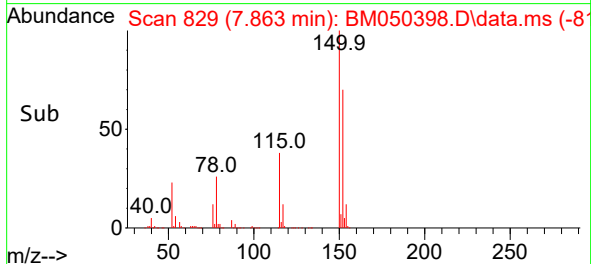
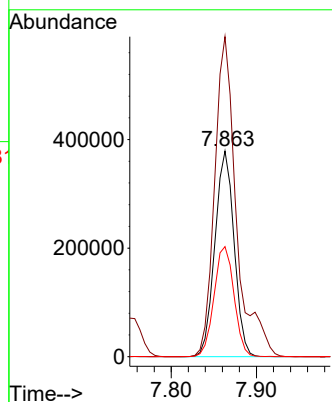
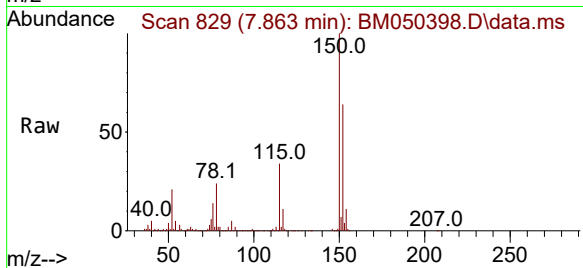




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.863 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: BM050398.D  
 Acq: 10 Jul 2025 20:39

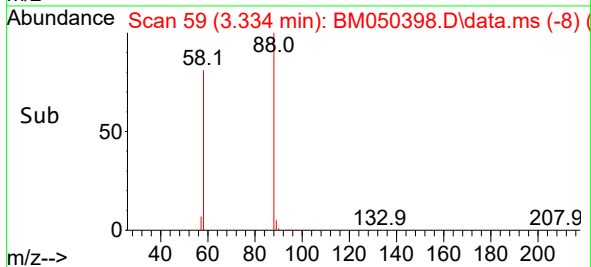
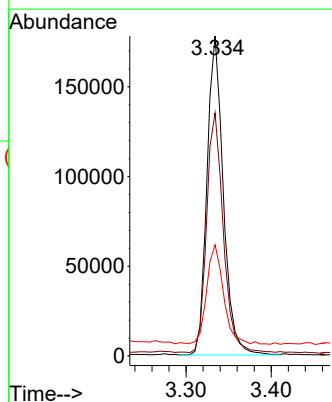
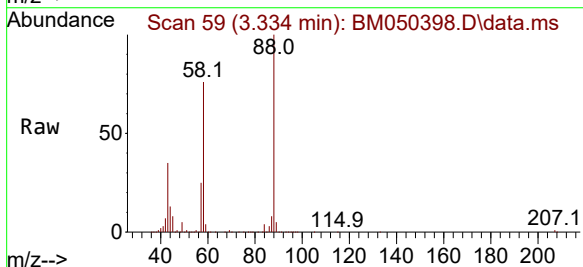
Instrument :  
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 ClientSampleId :  
 G4(0-6)MS

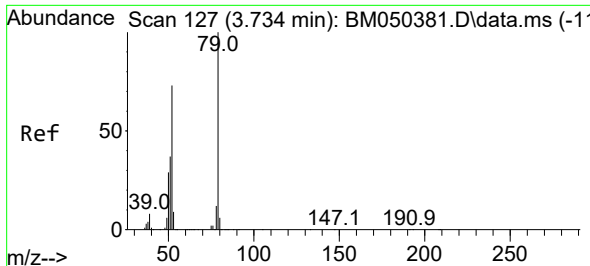
Tgt Ion:152 Resp: 593749  
 Ion Ratio Lower Upper  
 152 100  
 150 155.6 126.2 189.4  
 115 53.6 45.8 68.8



#2  
 1,4-Dioxane  
 Concen: 16.733 ng  
 RT: 3.334 min Scan# 59  
 Delta R.T. 0.000 min  
 Lab File: BM050398.D  
 Acq: 10 Jul 2025 20:39

Tgt Ion: 88 Resp: 237337  
 Ion Ratio Lower Upper  
 88 100  
 58 75.9 61.0 91.6  
 43 32.2 24.6 37.0

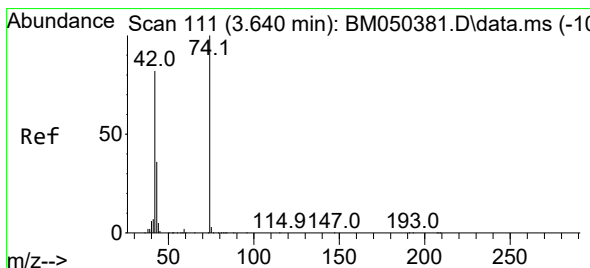
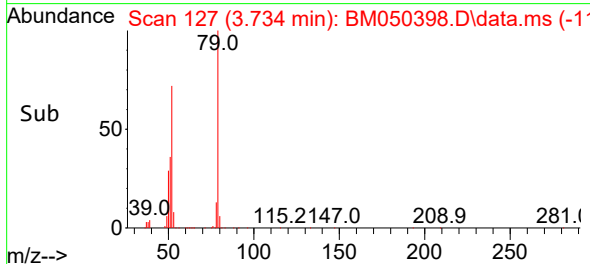
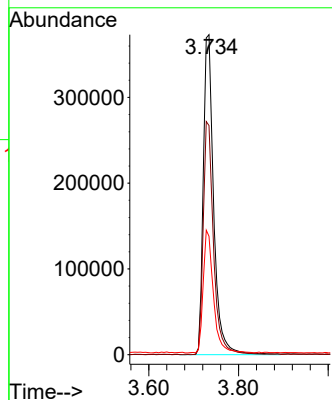
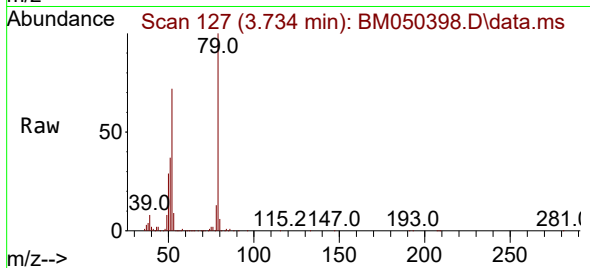




#3  
Pyridine  
Concen: 16.163 ng  
RT: 3.734 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

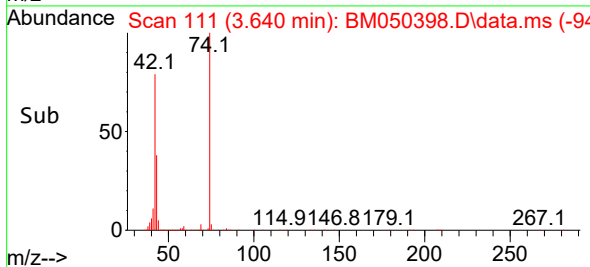
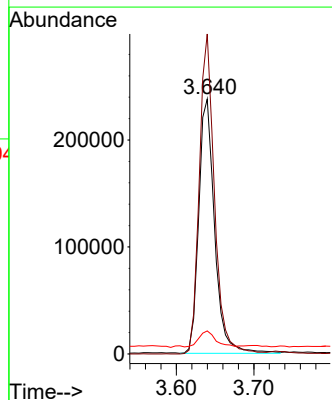
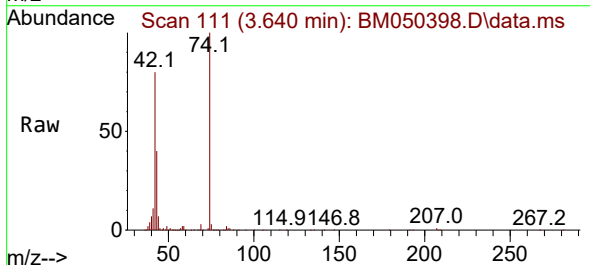
Instrument :  
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ClientSampleId :  
G4(0-6)MS

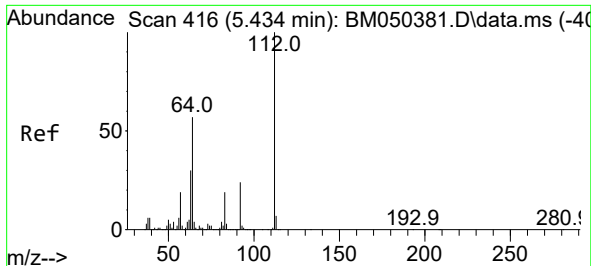
Tgt Ion: 79 Resp: 601867  
Ion Ratio Lower Upper  
79 100  
52 71.6 58.3 87.5  
51 37.0 29.6 44.4



#4  
n-Nitrosodimethylamine  
Concen: 19.503 ng  
RT: 3.640 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion: 42 Resp: 338577  
Ion Ratio Lower Upper  
42 100  
74 125.5 97.5 146.3  
44 9.0 5.7 8.5

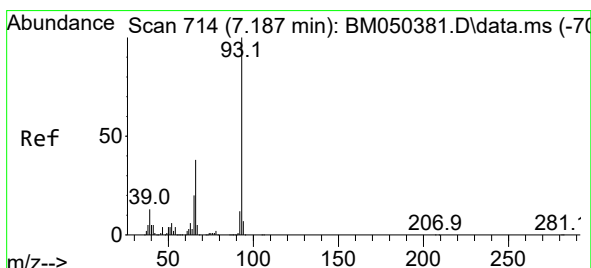
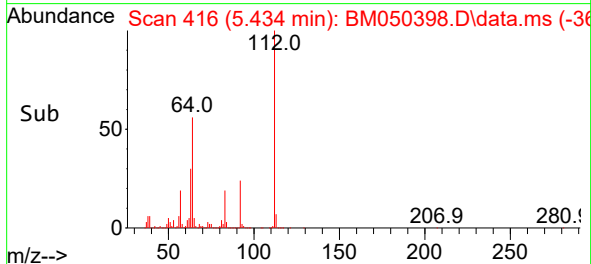
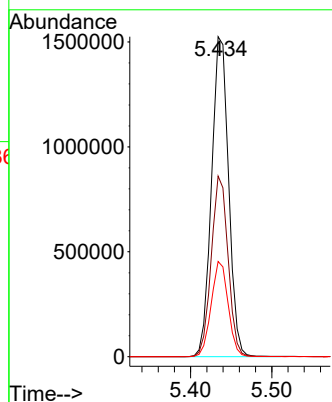
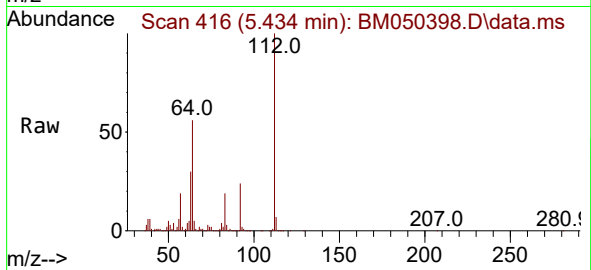




#5  
2-Fluorophenol  
Concen: 64.503 ng  
RT: 5.434 min Scan# 416  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

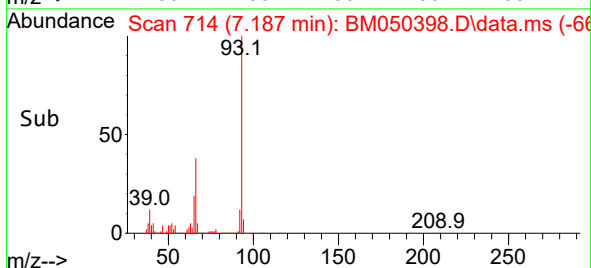
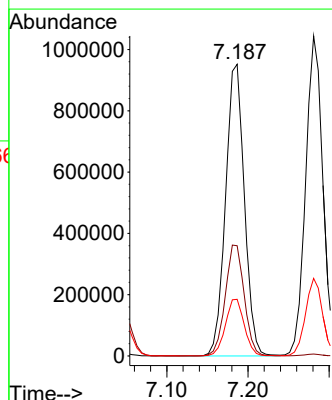
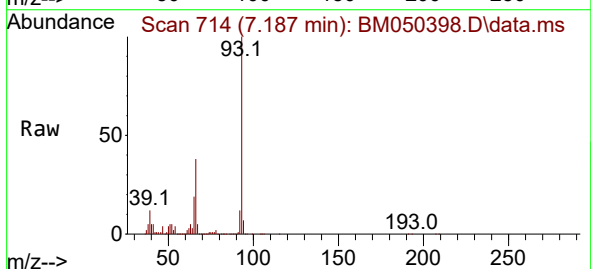
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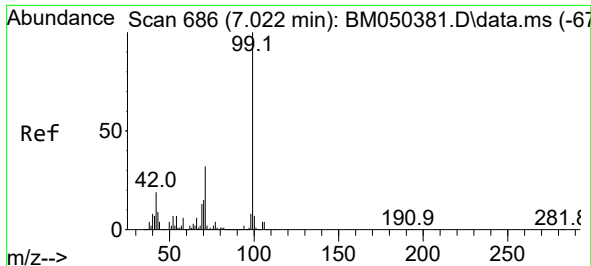
Tgt Ion:112 Resp: 2224952  
Ion Ratio Lower Upper  
112 100  
64 56.4 45.5 68.3  
63 29.8 24.2 36.4



#6  
Aniline  
Concen: 27.477 ng  
RT: 7.187 min Scan# 714  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion: 93 Resp: 1533319  
Ion Ratio Lower Upper  
93 100  
66 37.8 30.5 45.7  
65 19.4 15.9 23.9

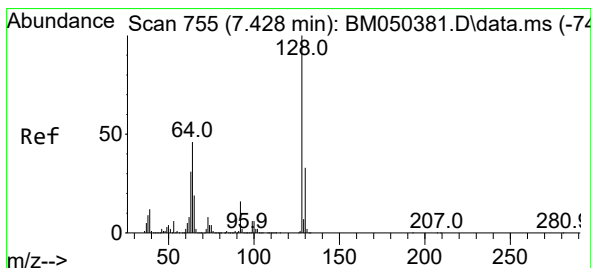
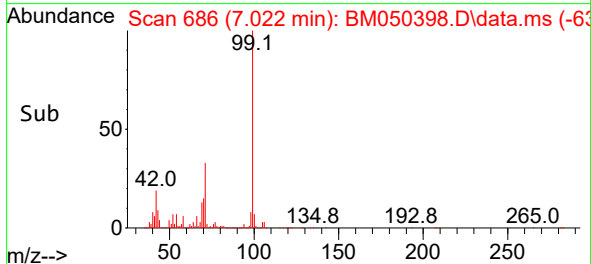
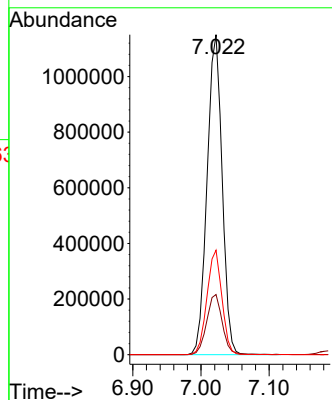
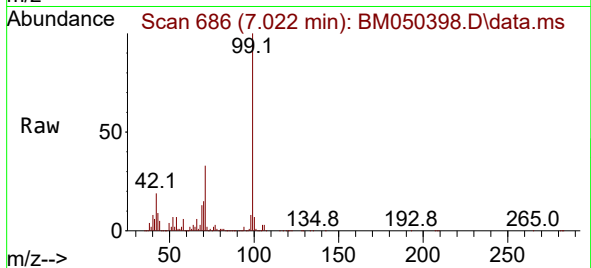




#7  
Phenol-d6  
Concen: 40.636 ng  
RT: 7.022 min Scan# 686  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
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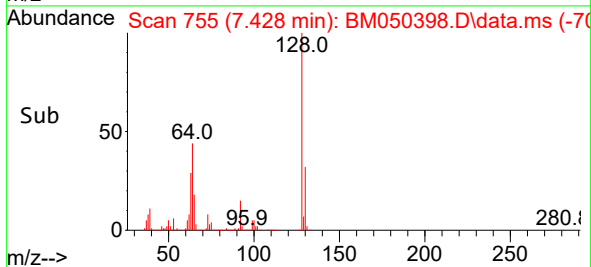
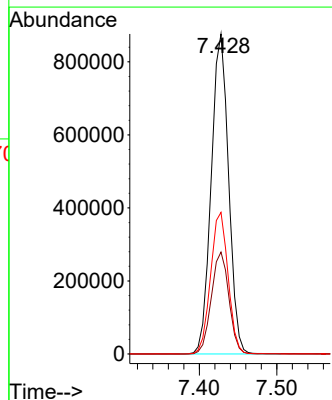
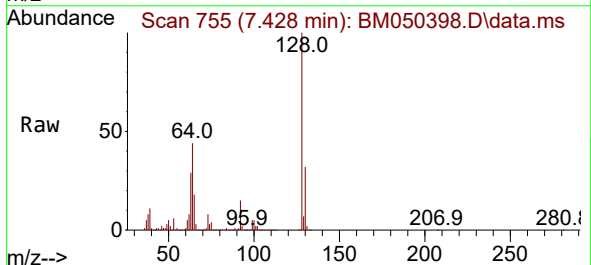
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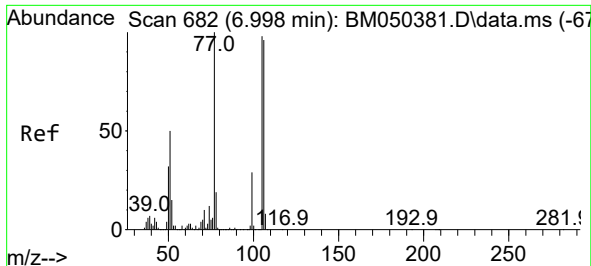
Tgt Ion: 99 Resp: 1766993  
Ion Ratio Lower Upper  
99 100  
42 18.8 15.0 22.6  
71 32.7 25.9 38.9



#8  
2-Chlorophenol  
Concen: 37.447 ng  
RT: 7.428 min Scan# 755  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:128 Resp: 1362013  
Ion Ratio Lower Upper  
128 100  
130 31.8 13.3 53.3  
64 44.2 25.6 65.6

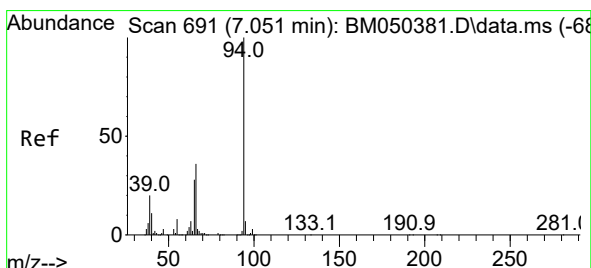
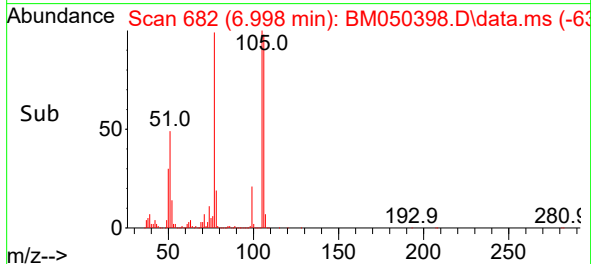
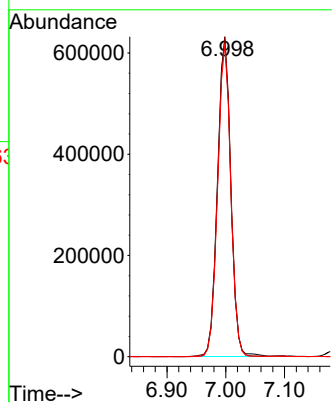
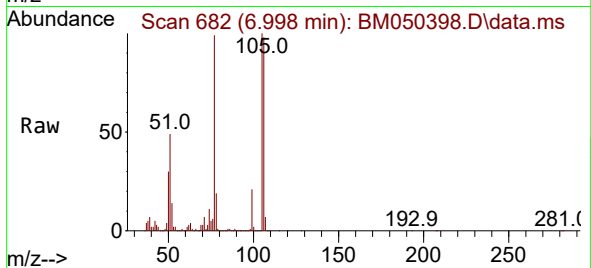




#9  
Benzaldehyde  
Concen: 38.311 ng  
RT: 6.998 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

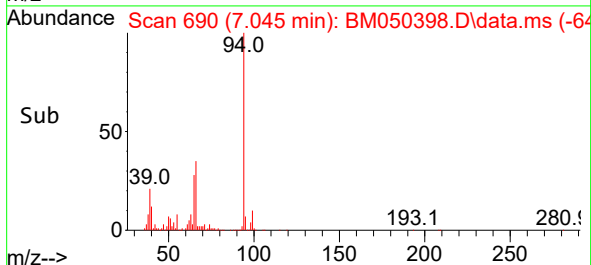
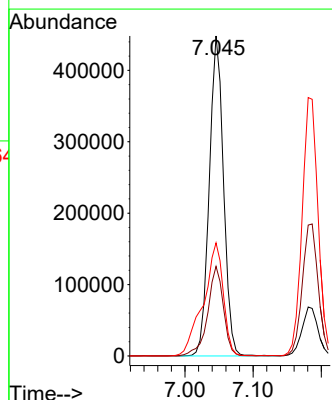
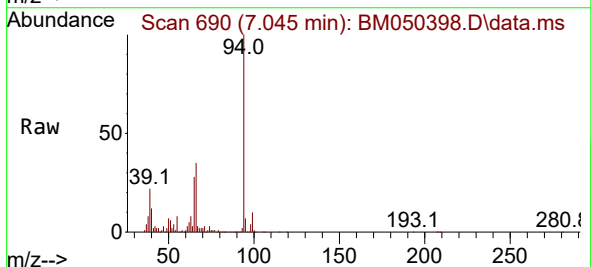
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

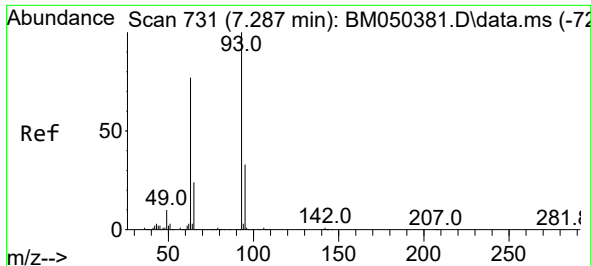
Tgt Ion: 77 Resp: 990975  
Ion Ratio Lower Upper  
77 100  
105 100.9 78.4 118.4  
106 98.6 76.3 116.3



#10  
Phenol  
Concen: 14.411 ng  
RT: 7.045 min Scan# 690  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion: 94 Resp: 653586  
Ion Ratio Lower Upper  
94 100  
65 28.0 8.1 48.1  
66 35.4 15.8 55.8

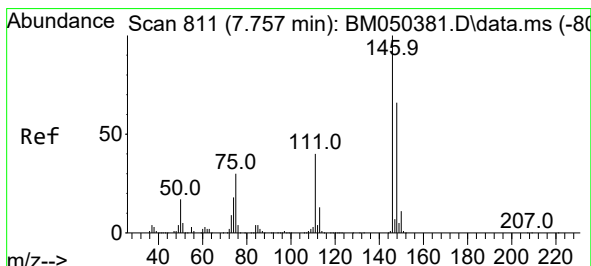
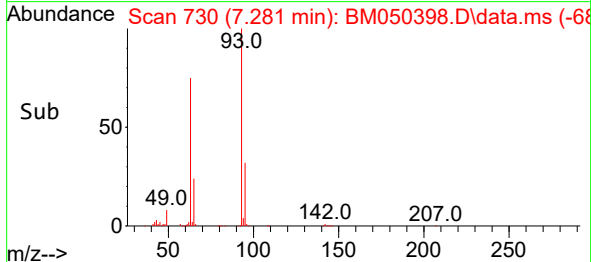
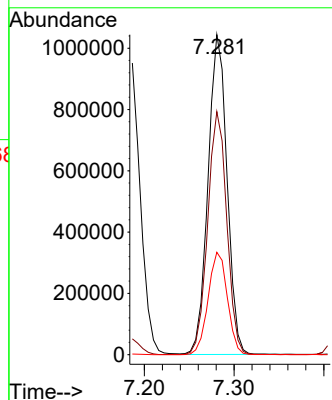
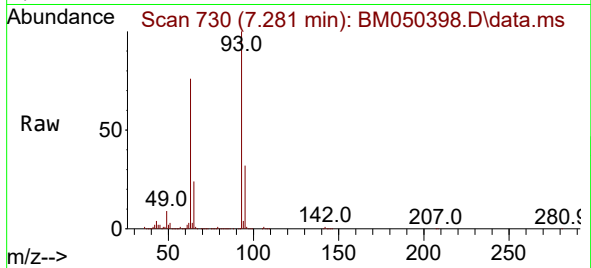




#11  
bis(2-Chloroethyl)ether  
Concen: 42.285 ng  
RT: 7.281 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

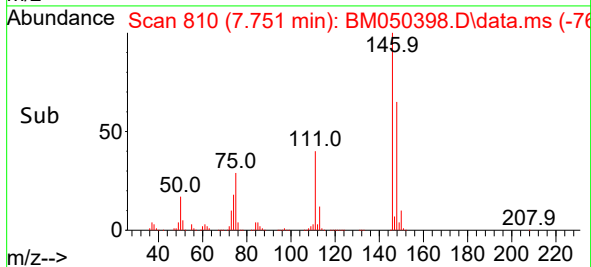
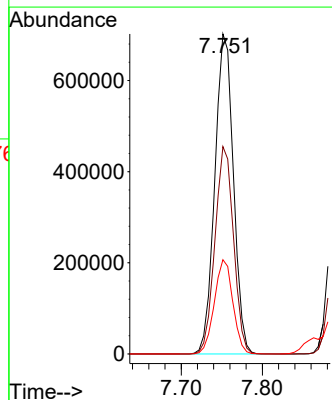
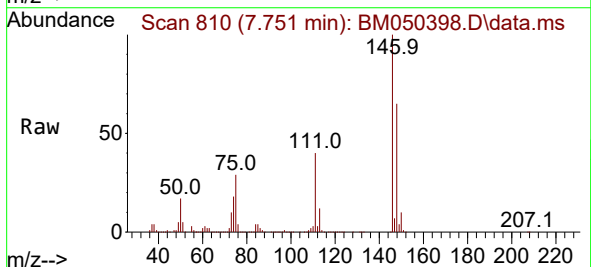
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

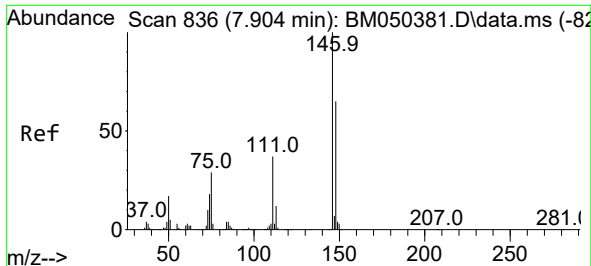
Tgt Ion: 93 Resp: 1535846  
Ion Ratio Lower Upper  
93 100  
63 75.9 56.9 96.9  
95 32.0 12.6 52.6



#12  
1,3-Dichlorobenzene  
Concen: 25.287 ng  
RT: 7.751 min Scan# 810  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:146 Resp: 1118342  
Ion Ratio Lower Upper  
146 100  
148 64.8 53.2 79.8  
75 29.5 23.9 35.9

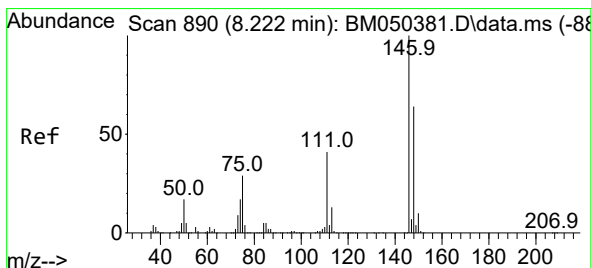
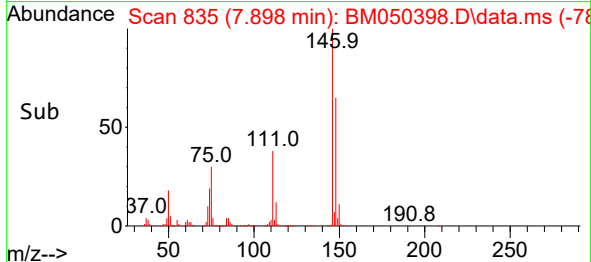
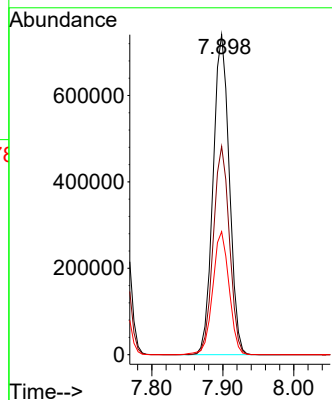
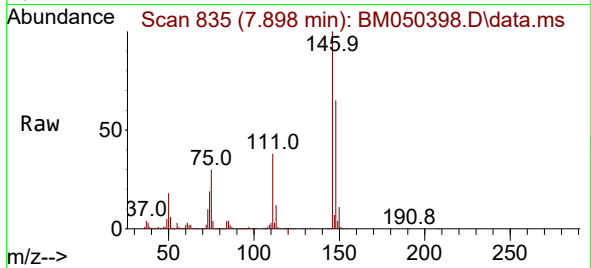




#13  
1,4-Dichlorobenzene  
Concen: 25.931 ng  
RT: 7.898 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

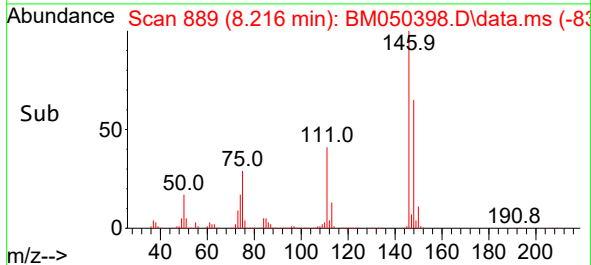
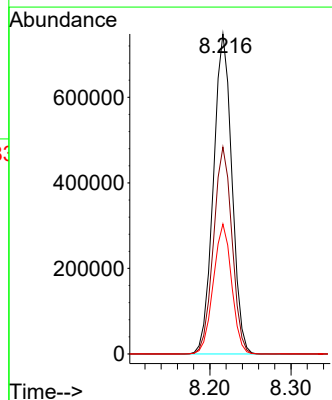
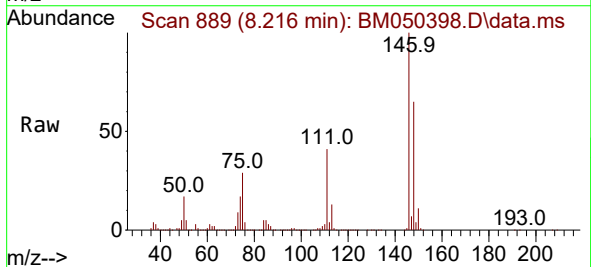
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

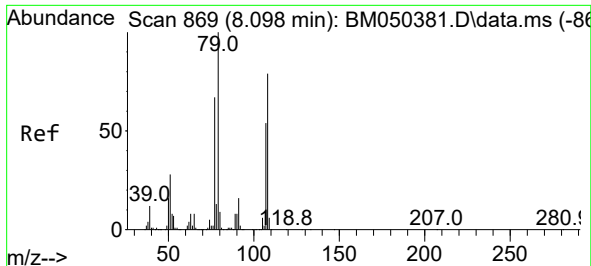
Tgt Ion:146 Resp: 1171030  
Ion Ratio Lower Upper  
146 100  
148 65.1 51.9 77.9  
111 38.5 30.0 45.0



#14  
1,2-Dichlorobenzene  
Concen: 27.386 ng  
RT: 8.216 min Scan# 889  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:146 Resp: 1184052  
Ion Ratio Lower Upper  
146 100  
148 64.7 51.5 77.3  
111 40.6 32.6 49.0

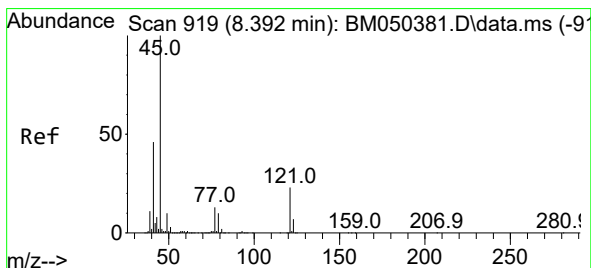
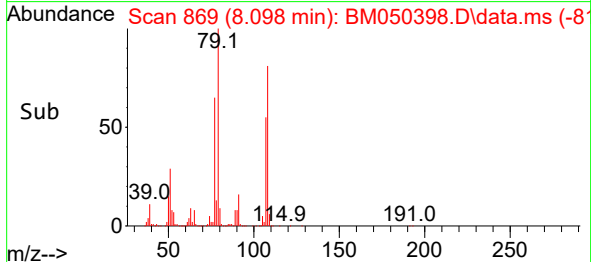
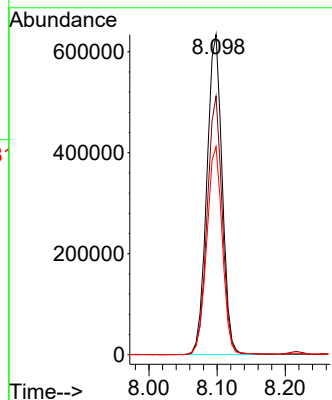
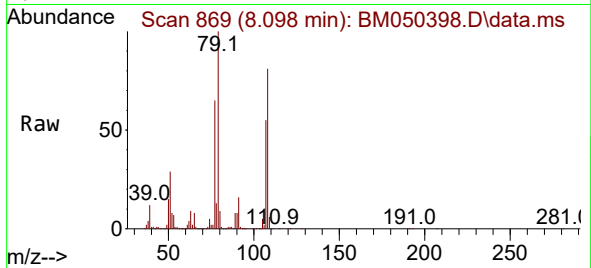




#15  
Benzyl Alcohol  
Concen: 32.422 ng  
RT: 8.098 min Scan# 869  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

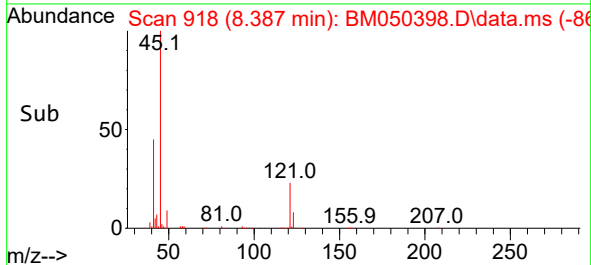
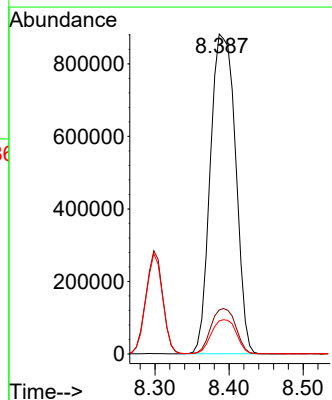
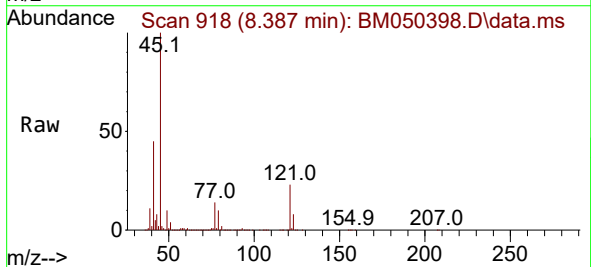
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

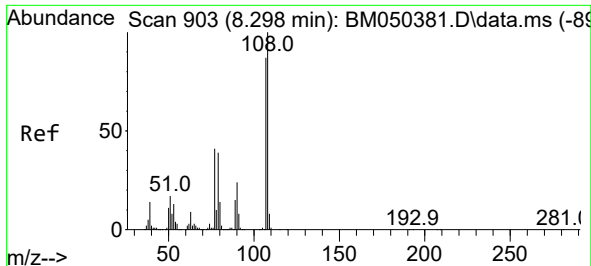
Tgt Ion: 79 Resp: 993359  
Ion Ratio Lower Upper  
79 100  
108 80.7 63.0 94.4  
77 65.0 53.4 80.0



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.880 ng  
RT: 8.387 min Scan# 918  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion: 45 Resp: 2080061  
Ion Ratio Lower Upper  
45 100  
77 13.8 0.0 33.5  
79 10.3 0.0 30.3





#17

2-Methylphenol

Concen: 32.490 ng

RT: 8.298 min Scan# 903

Delta R.T. 0.000 min

Lab File: BM050398.D

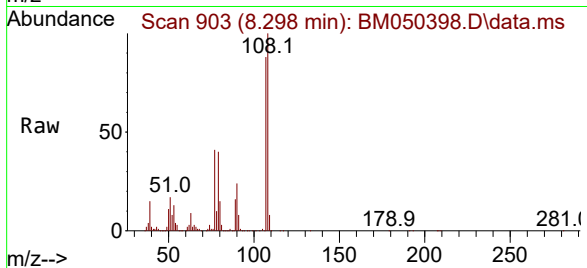
Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS



Tgt Ion:107 Resp: 955706

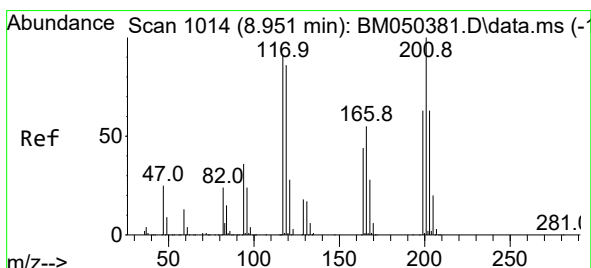
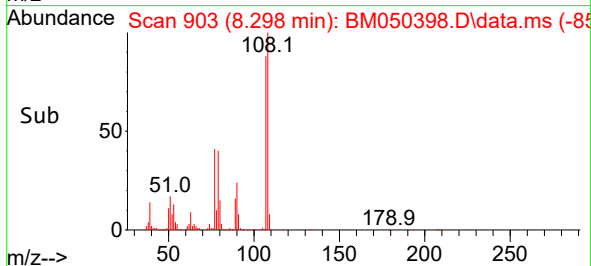
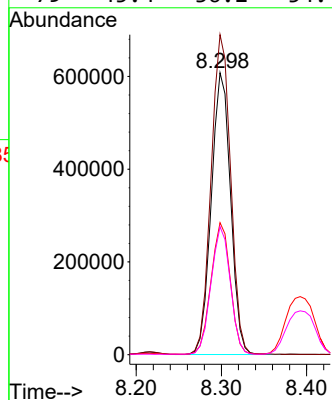
Ion Ratio Lower Upper

107 100

108 113.5 92.1 138.1

77 46.8 38.2 57.4

79 45.4 36.2 54.4



#18

Hexachloroethane

Concen: 24.177 ng

RT: 8.951 min Scan# 1014

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

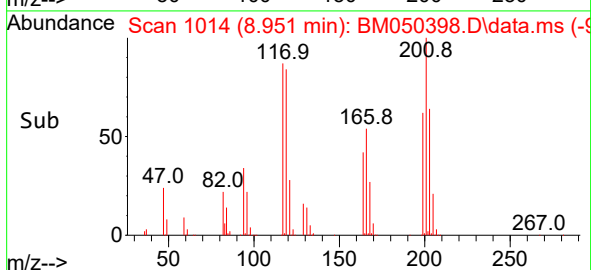
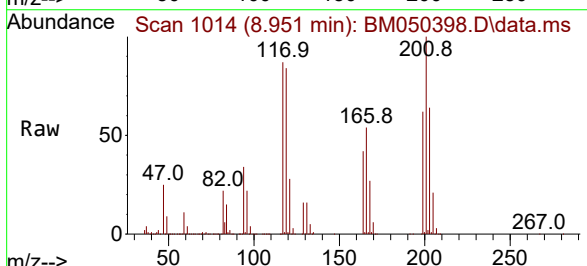
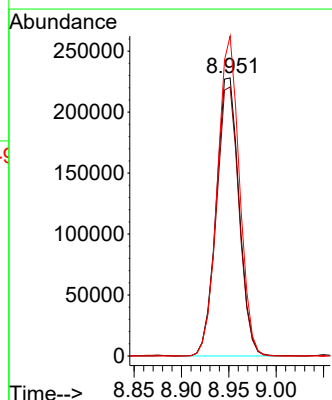
Tgt Ion:117 Resp: 383987

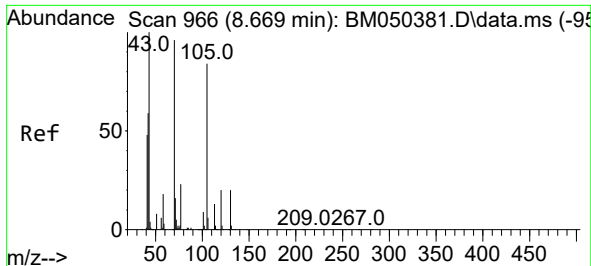
Ion Ratio Lower Upper

117 100

119 96.7 75.6 113.4

201 115.1 87.9 131.9





#19

n-Nitroso-di-n-propylamine

Concen: 48.041 ng

RT: 8.669 min Scan# 966

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

Tgt Ion: 70 Resp: 1265497

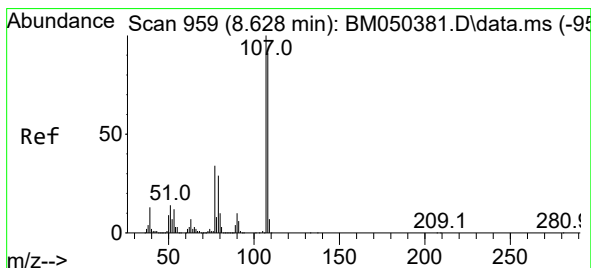
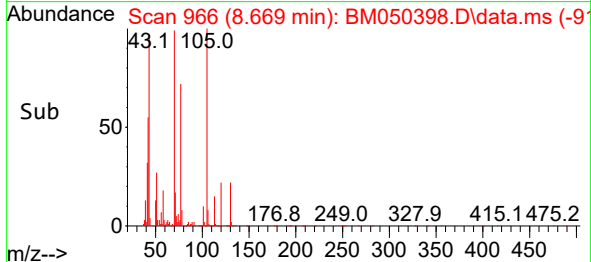
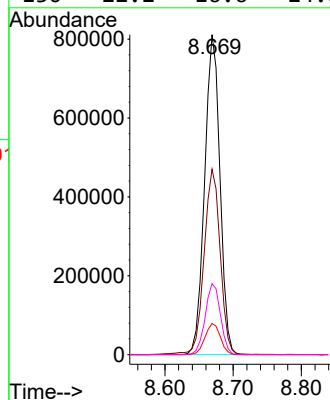
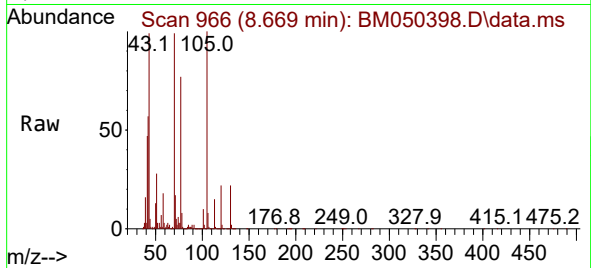
Ion Ratio Lower Upper

70 100

42 57.9 49.7 74.5

101 9.8 7.7 11.5

130 22.2 16.6 24.8



#20

3+4-Methylphenols

Concen: 29.759 ng

RT: 8.628 min Scan# 959

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Tgt Ion:107 Resp: 1175122

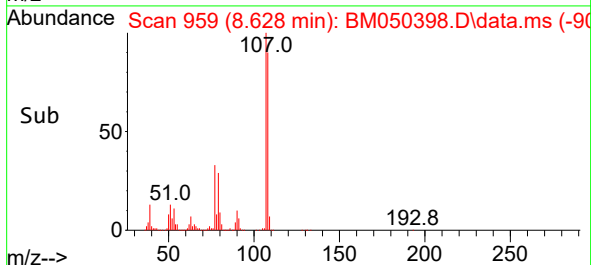
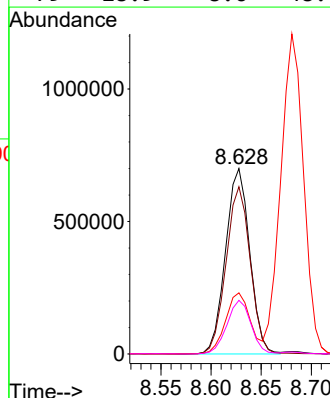
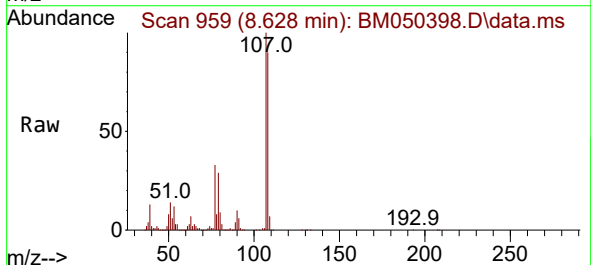
Ion Ratio Lower Upper

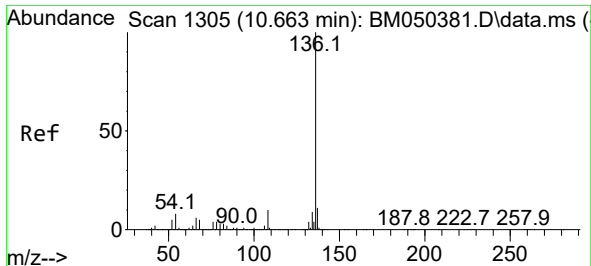
107 100

108 90.2 71.5 111.5

77 33.0 13.7 53.7

79 28.9 8.6 48.6

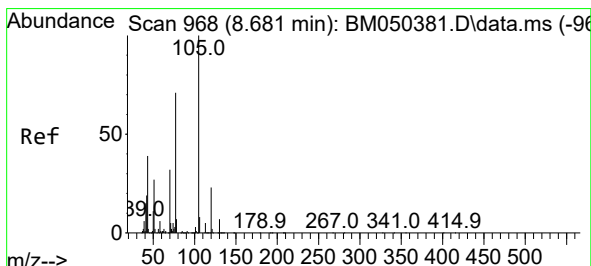
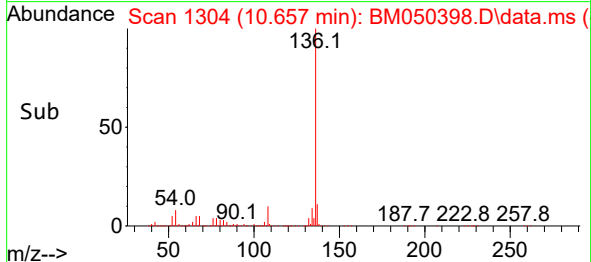
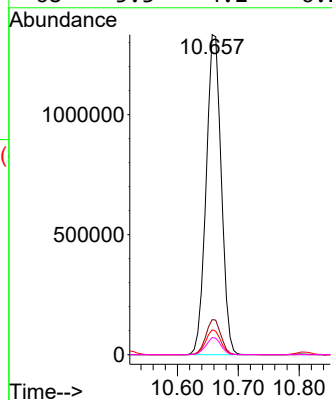
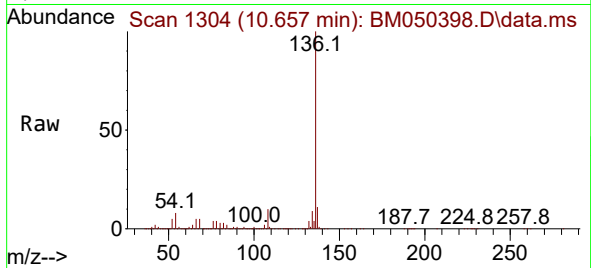




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.657 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

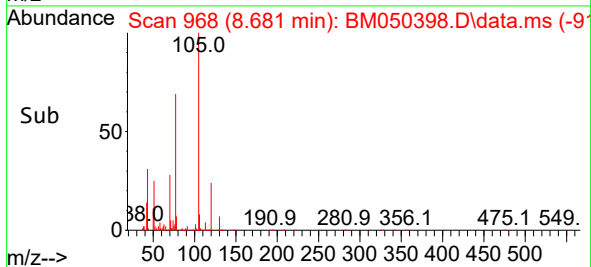
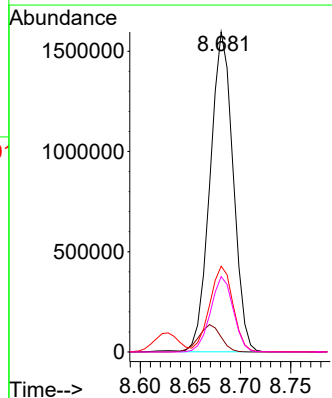
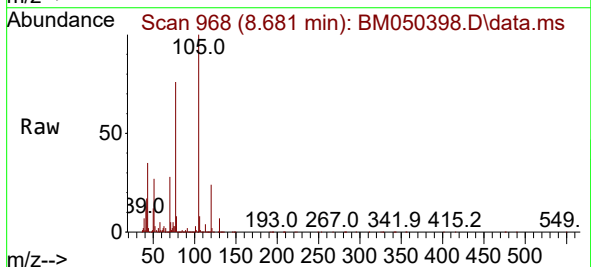
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

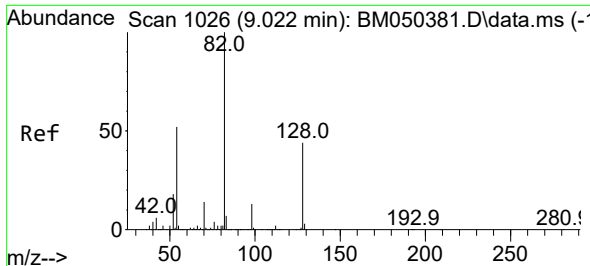
Tgt Ion:136 Resp: 2296155  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 7.7 6.3 9.5  
68 5.3 4.2 6.2



#22  
Acetophenone  
Concen: 44.393 ng  
RT: 8.681 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:105 Resp: 2548607  
Ion Ratio Lower Upper  
105 100  
71 4.6 4.4 6.6  
51 26.8 23.0 34.6  
120 23.6 18.3 27.5

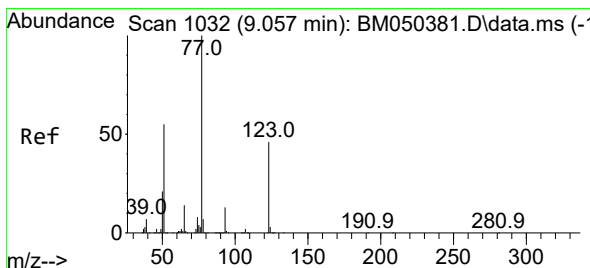
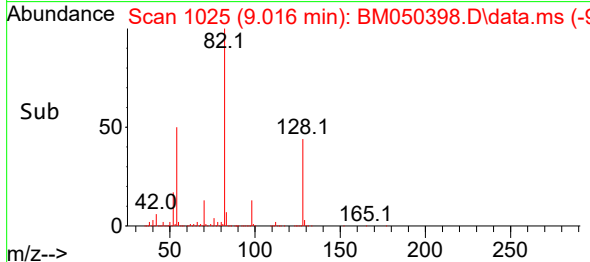
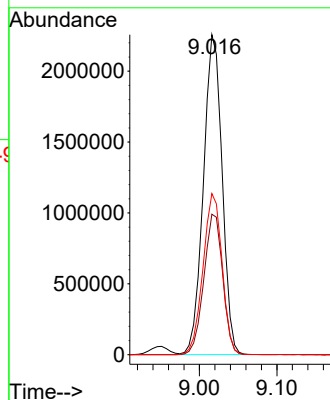
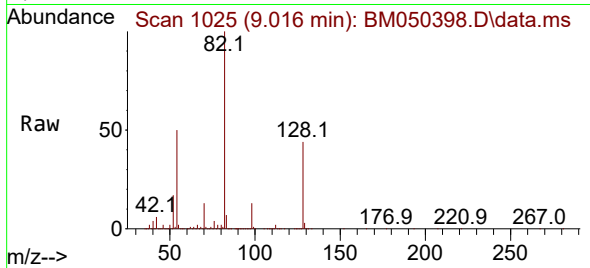




#23  
Nitrobenzene-d5  
Concen: 84.167 ng  
RT: 9.016 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

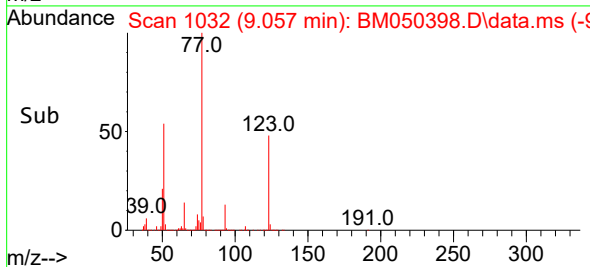
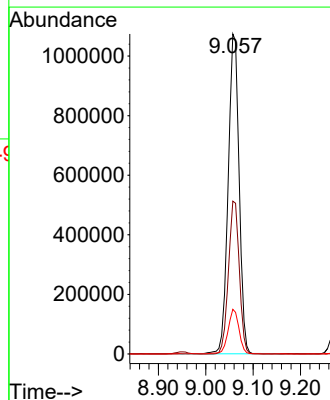
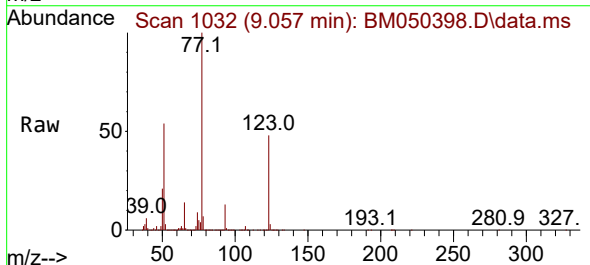
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

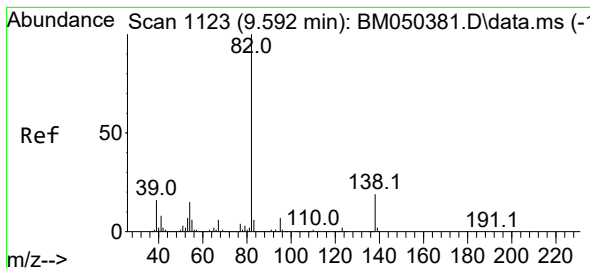
Tgt Ion: 82 Resp: 3788091  
Ion Ratio Lower Upper  
82 100  
128 43.9 35.2 52.8  
54 50.4 41.5 62.3



#24  
Nitrobenzene  
Concen: 42.995 ng  
RT: 9.057 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion: 77 Resp: 1726765  
Ion Ratio Lower Upper  
77 100  
123 47.8 37.0 55.6  
65 13.9 11.0 16.4





#25

Isophorone

Concen: 48.281 ng

RT: 9.592 min Scan# 1123

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

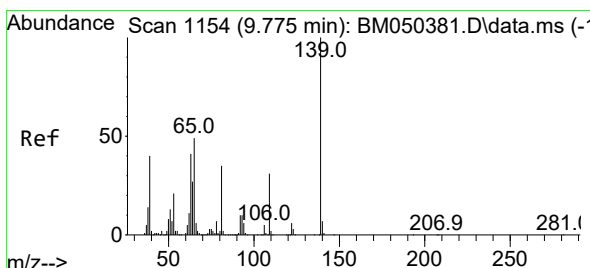
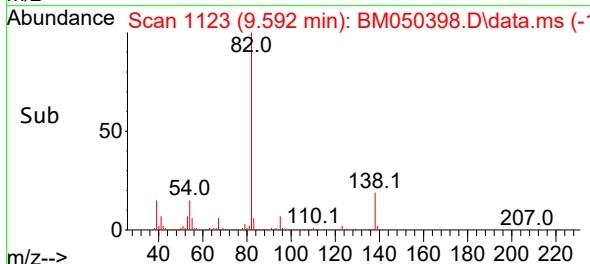
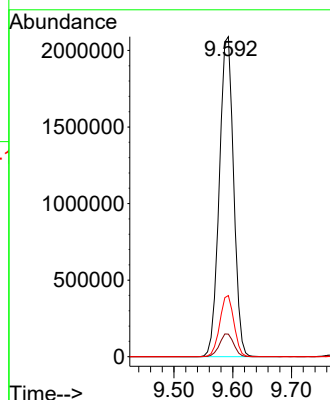
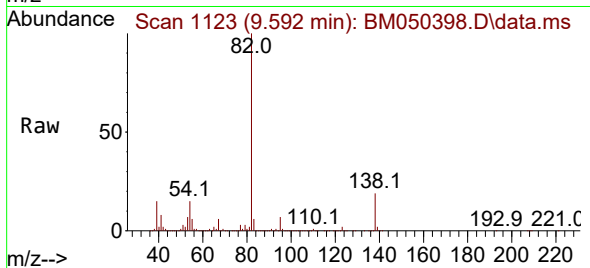
Tgt Ion: 82 Resp: 3525997

Ion Ratio Lower Upper

82 100

95 7.1 5.6 8.4

138 19.1 15.3 22.9



#26

2-Nitrophenol

Concen: 49.819 ng

RT: 9.769 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

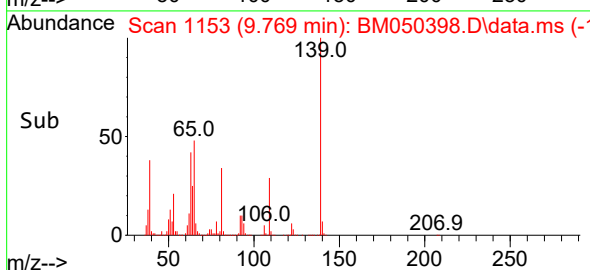
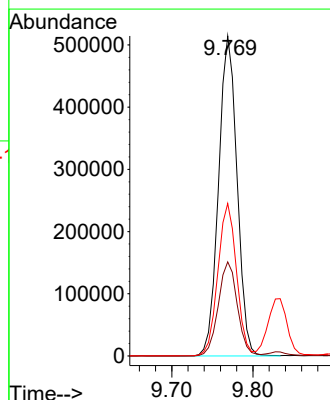
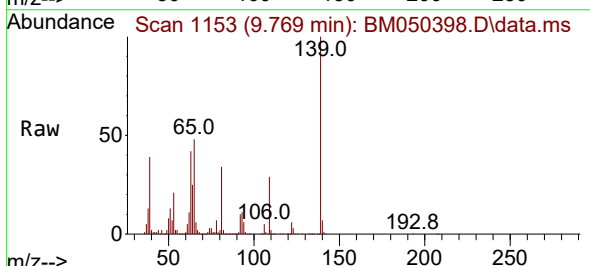
Tgt Ion:139 Resp: 815463

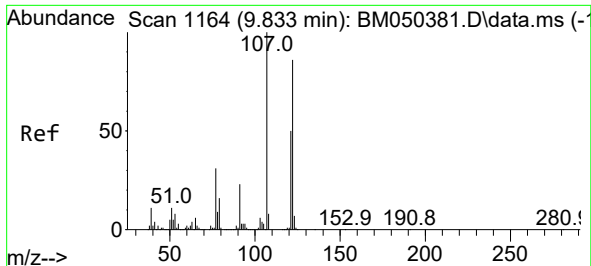
Ion Ratio Lower Upper

139 100

109 29.4 24.6 36.8

65 47.6 39.2 58.8





#27

2,4-Dimethylphenol

Concen: 42.861 ng

RT: 9.834 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

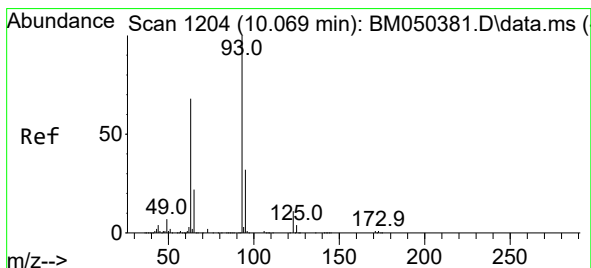
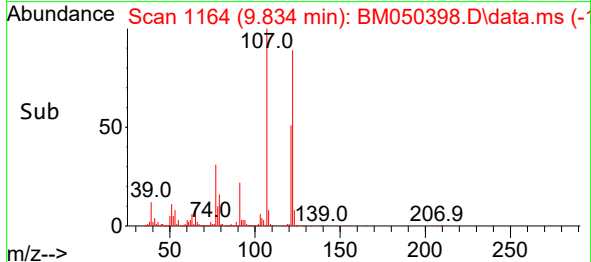
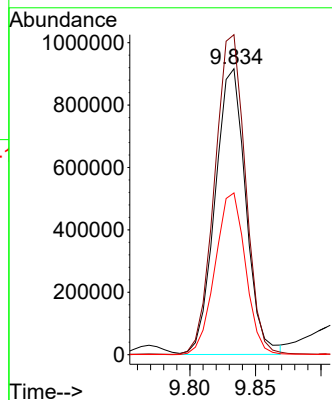
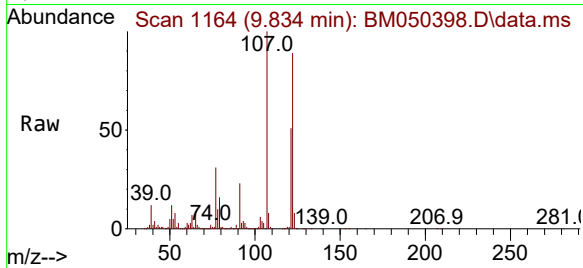
Tgt Ion:122 Resp: 1492881

Ion Ratio Lower Upper

122 100

107 111.9 93.0 139.6

121 56.6 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 46.004 ng

RT: 10.069 min Scan# 1204

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

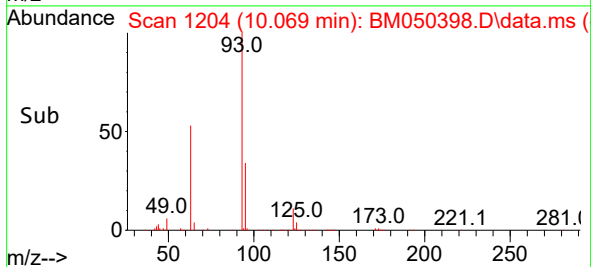
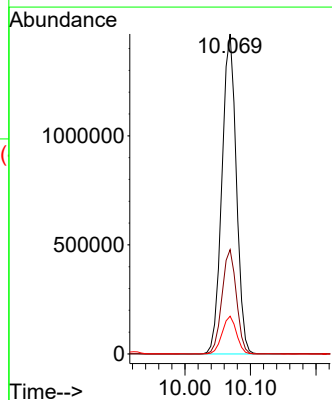
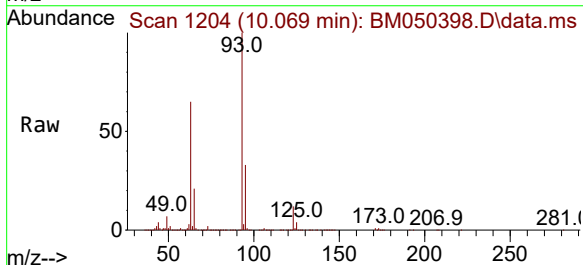
Tgt Ion: 93 Resp: 2226233

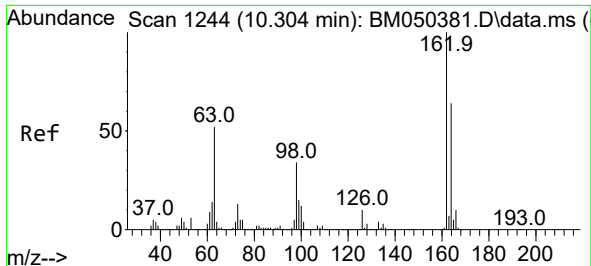
Ion Ratio Lower Upper

93 100

95 32.6 25.8 38.6

123 11.8 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 45.893 ng

RT: 10.304 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

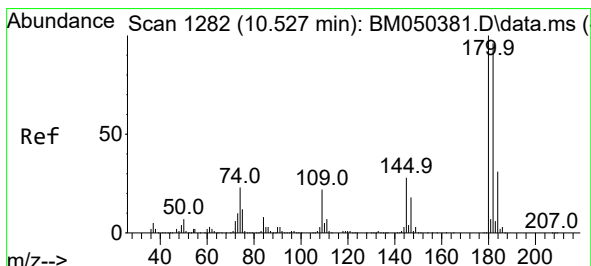
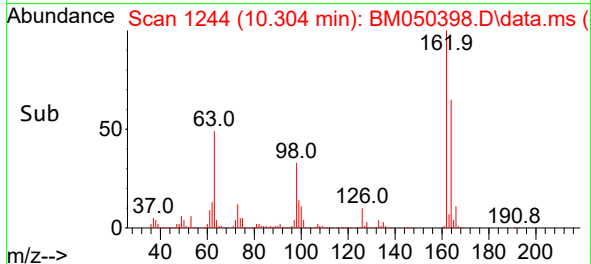
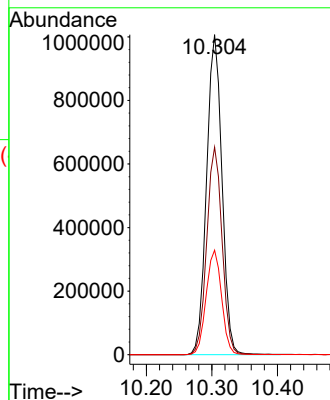
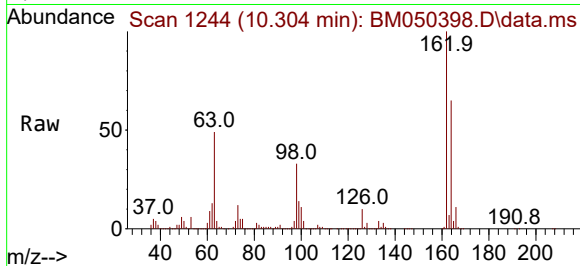
Tgt Ion:162 Resp: 1642192

Ion Ratio Lower Upper

162 100

164 64.9 43.7 83.7

98 32.7 13.7 53.7



#30

1,2,4-Trichlorobenzene

Concen: 34.039 ng

RT: 10.522 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

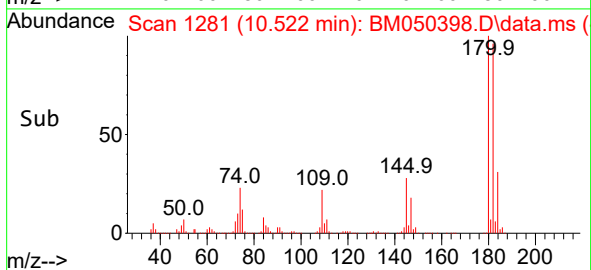
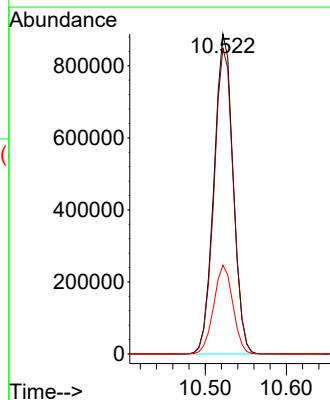
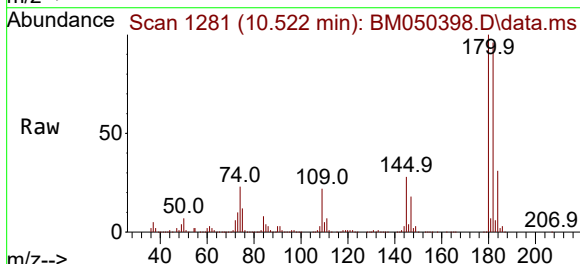
Tgt Ion:180 Resp: 1457078

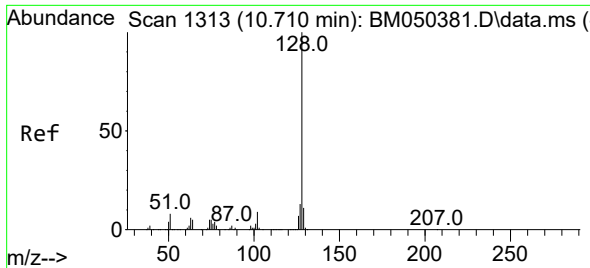
Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

145 27.7 22.6 33.8

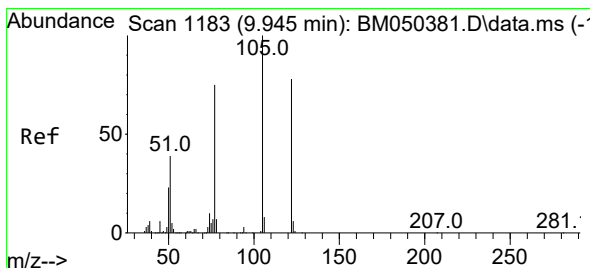
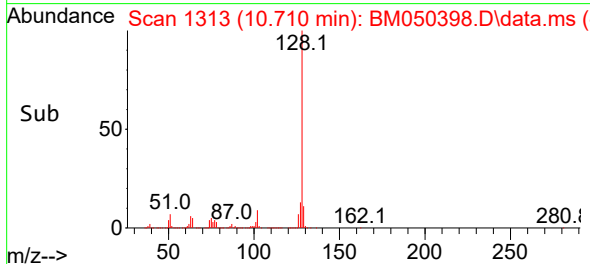
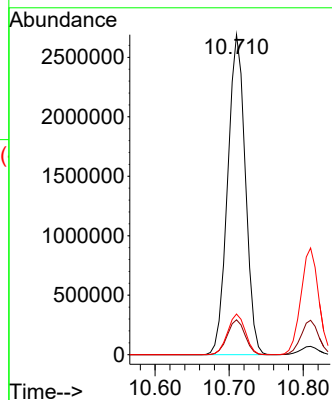
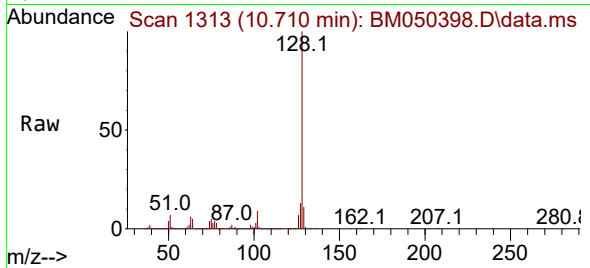




#31  
Naphthalene  
Concen: 38.159 ng  
RT: 10.710 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

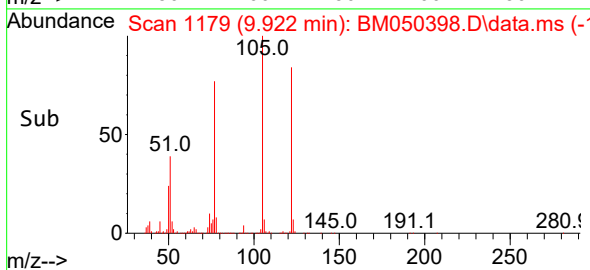
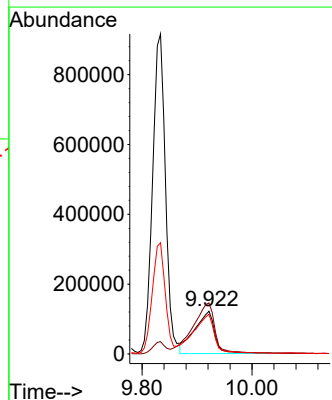
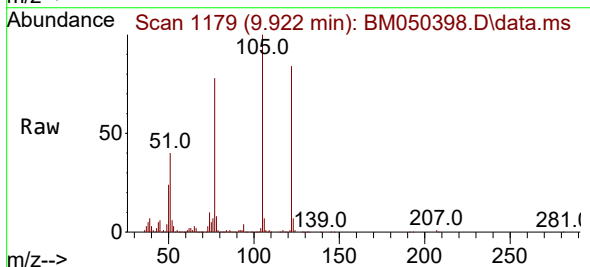
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

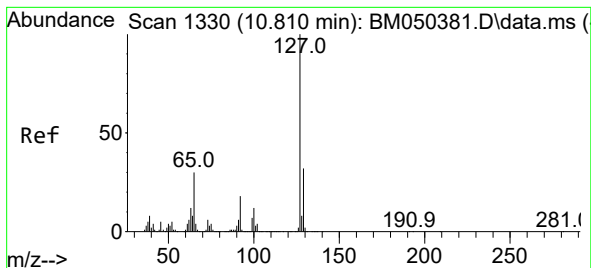
Tgt Ion:128 Resp: 4450418  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.8 13.2  
127 12.7 10.4 15.6



#32  
Benzoic acid  
Concen: 18.865 ng  
RT: 9.922 min Scan# 1179  
Delta R.T. -0.023 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:122 Resp: 314772  
Ion Ratio Lower Upper  
122 100  
105 119.5 104.0 144.0  
77 92.8 73.8 113.8





#33

4-Chloroaniline

Concen: 30.304 ng

RT: 10.810 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

Tgt Ion:127 Resp: 1494176

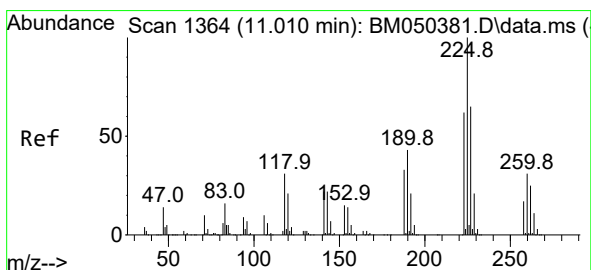
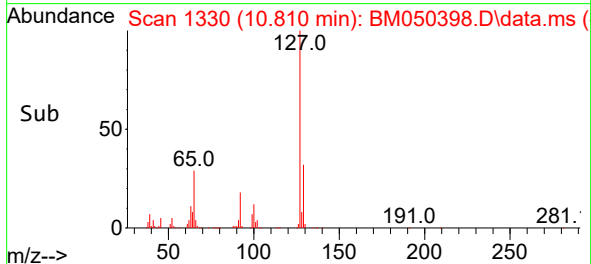
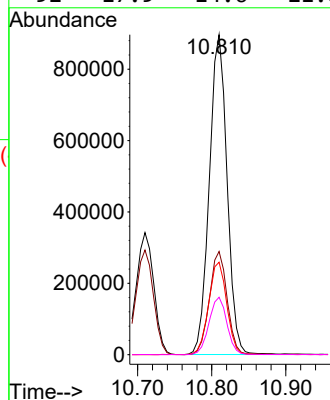
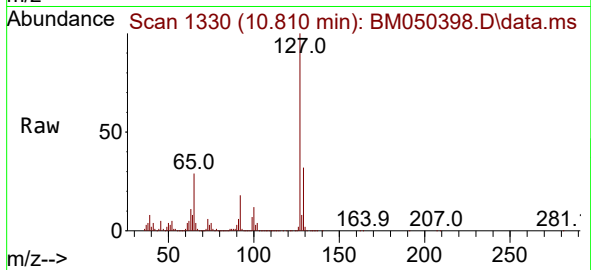
Ion Ratio Lower Upper

127 100

129 32.2 25.5 38.3

65 28.9 23.9 35.9

92 17.9 14.6 21.8



#34

Hexachlorobutadiene

Concen: 29.187 ng

RT: 11.004 min Scan# 1363

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

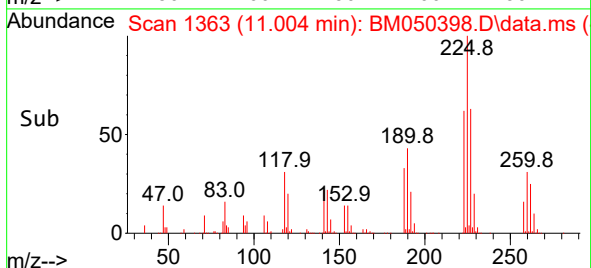
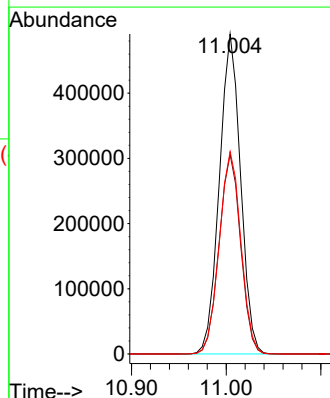
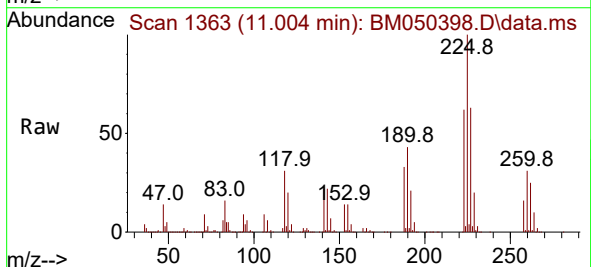
Tgt Ion:225 Resp: 762547

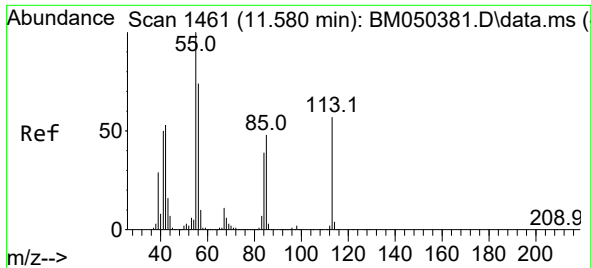
Ion Ratio Lower Upper

225 100

223 62.3 49.7 74.5

227 63.2 52.1 78.1

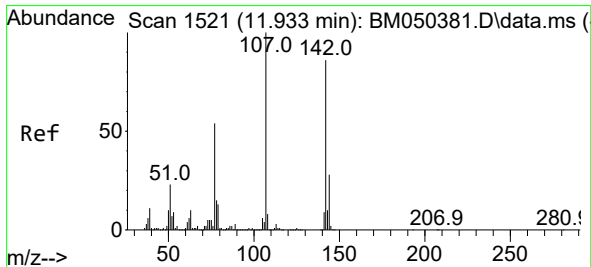
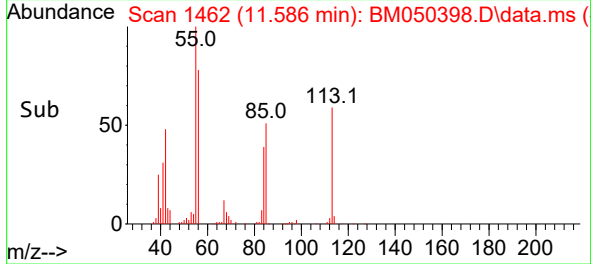
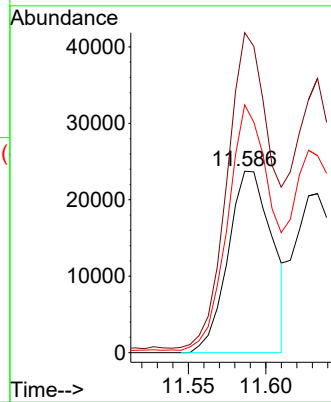
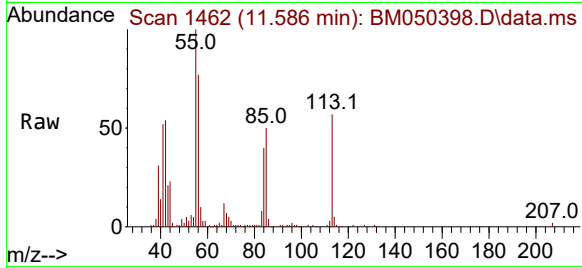




#35  
Caprolactam  
Concen: 4.809 ng  
RT: 11.586 min Scan# 1461  
Delta R.T. 0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

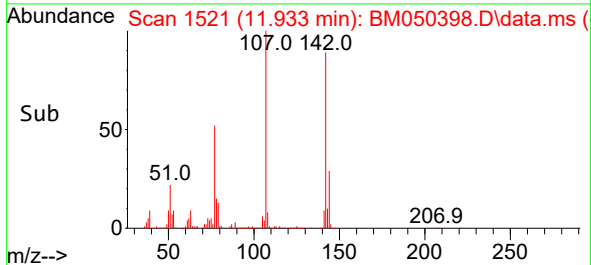
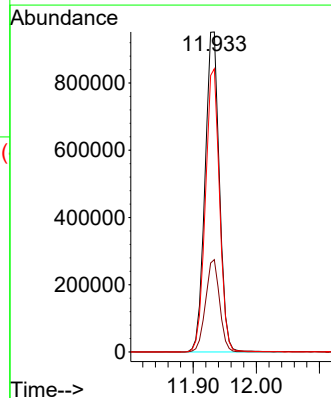
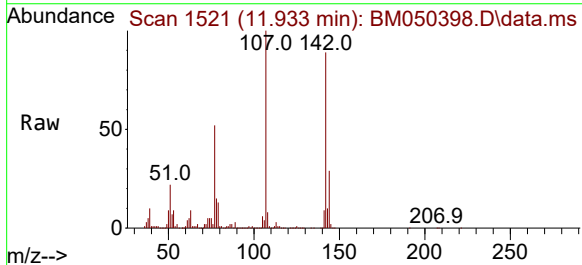
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

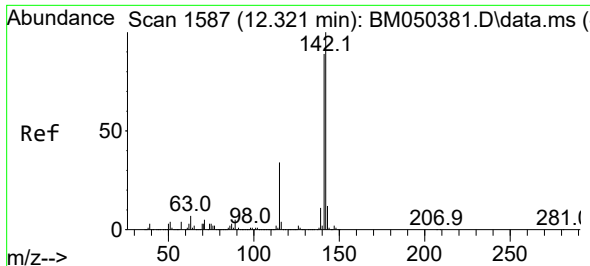
Tgt Ion:113 Resp: 46978  
Ion Ratio Lower Upper  
113 100  
55 176.4 157.2 197.2  
56 136.6 111.7 151.7



#36  
4-Chloro-3-methylphenol  
Concen: 45.026 ng  
RT: 11.933 min Scan# 1521  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:107 Resp: 1504550  
Ion Ratio Lower Upper  
107 100  
144 28.8 22.2 33.4  
142 88.5 68.7 103.1

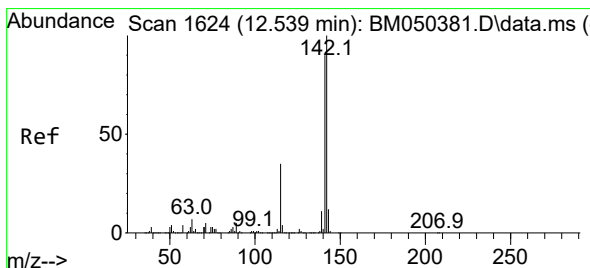
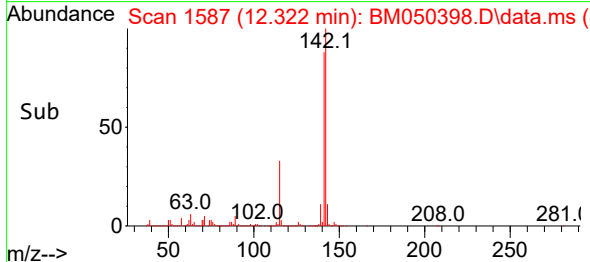
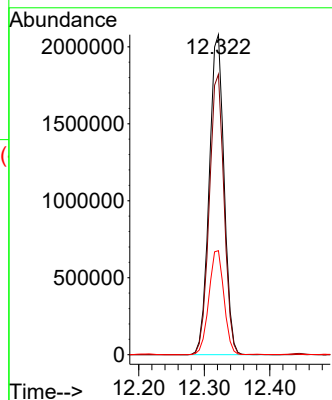
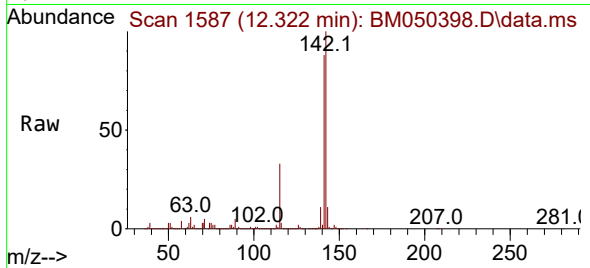




#37  
2-Methylnaphthalene  
Concen: 44.447 ng  
RT: 12.322 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

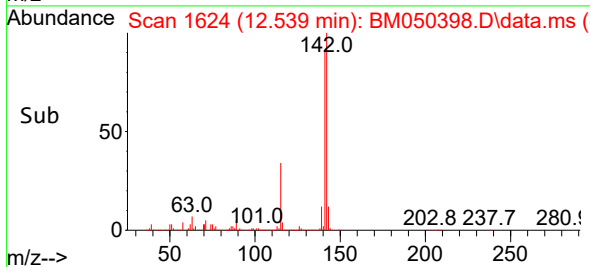
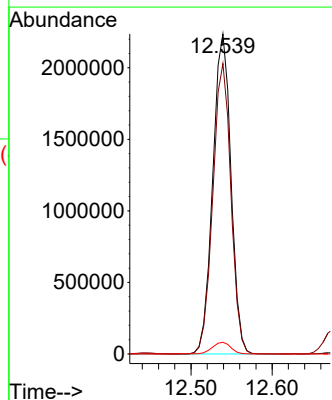
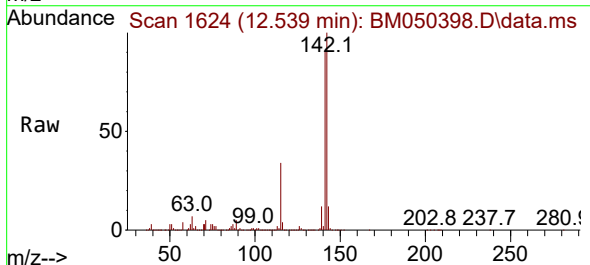
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

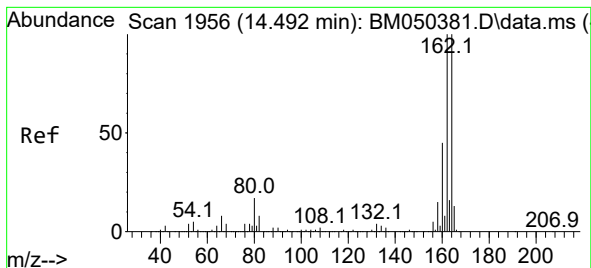
Tgt Ion:142 Resp: 3273041  
Ion Ratio Lower Upper  
142 100  
141 87.6 70.8 106.2  
115 32.5 27.0 40.4



#38  
1-Methylnaphthalene  
Concen: 44.597 ng  
RT: 12.539 min Scan# 1624  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:142 Resp: 3475568  
Ion Ratio Lower Upper  
142 100  
141 90.8 71.9 107.9  
116 3.6 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.492 min Scan# 1956

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

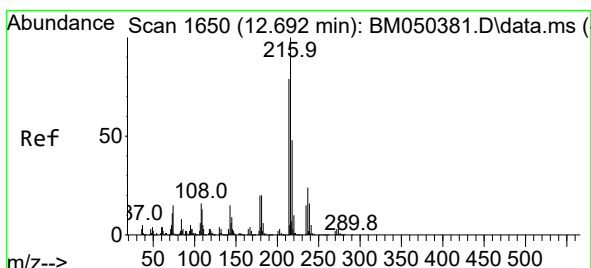
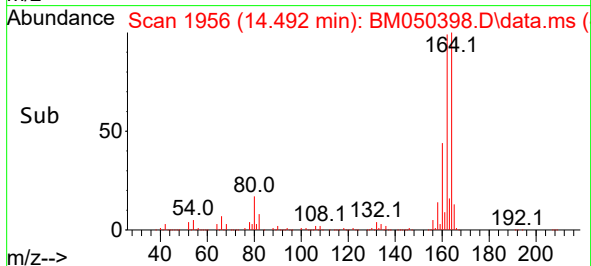
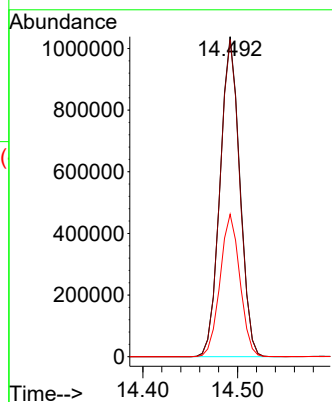
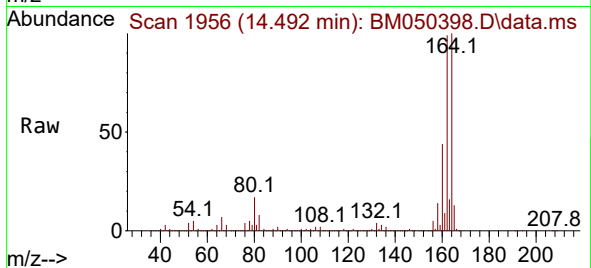
Tgt Ion:164 Resp: 1504294

Ion Ratio Lower Upper

164 100

162 99.1 79.9 119.9

160 44.5 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.122 ng

RT: 12.686 min Scan# 1649

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Tgt Ion:216 Resp: 2158519

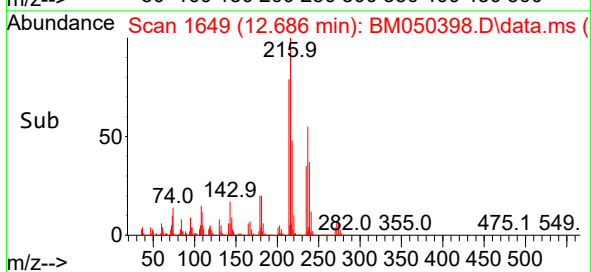
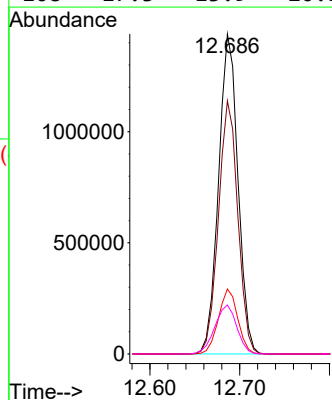
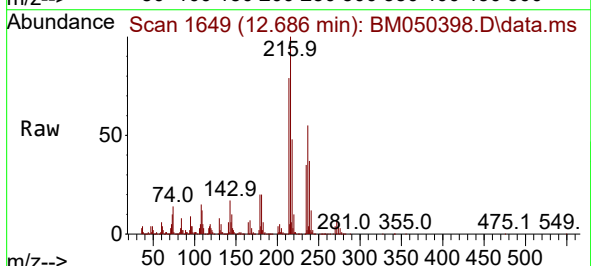
Ion Ratio Lower Upper

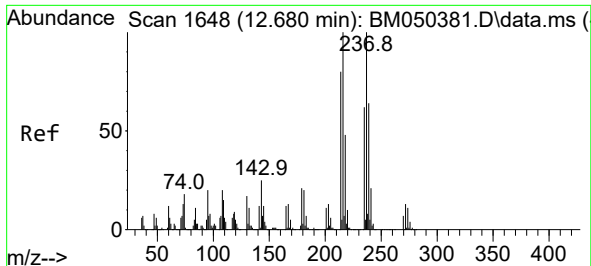
216 100

214 79.0 63.3 94.9

179 20.2 16.4 24.6

108 17.3 13.9 20.9

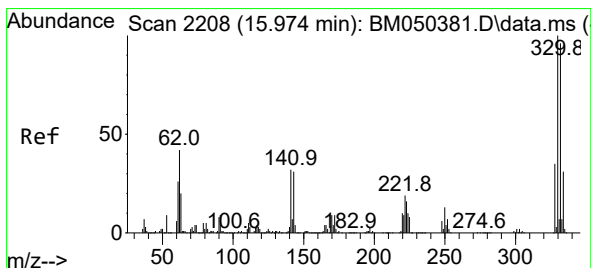
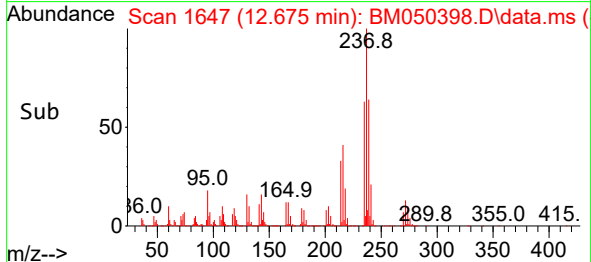
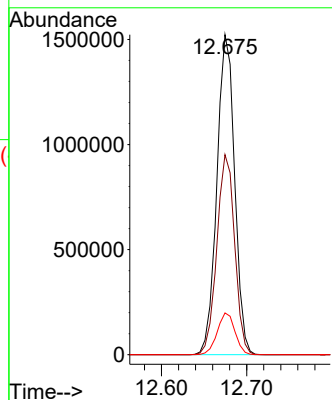
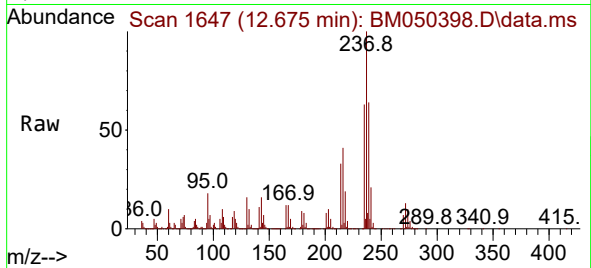




#41  
Hexachlorocyclopentadiene  
Concen: 72.036 ng  
RT: 12.675 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

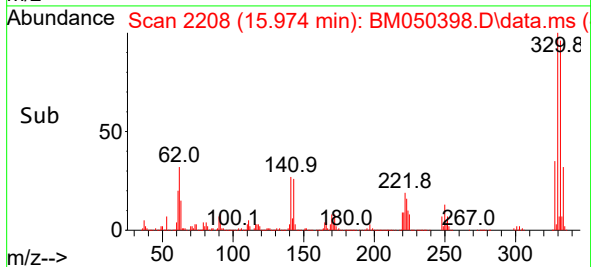
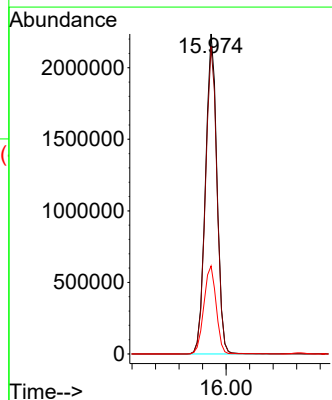
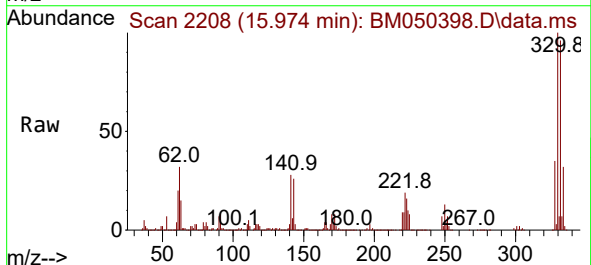
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

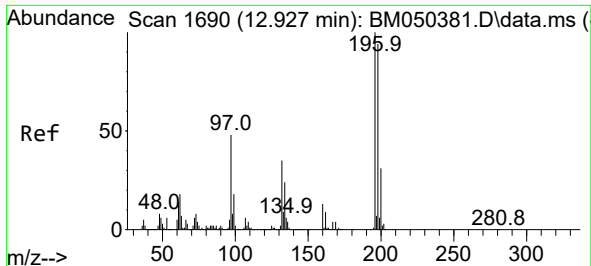
Tgt Ion:237 Resp: 2202761  
Ion Ratio Lower Upper  
237 100  
235 62.5 42.3 82.3  
272 13.1 0.0 33.0



#42  
2,4,6-Tribromophenol  
Concen: 165.068 ng  
RT: 15.974 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:330 Resp: 3016991  
Ion Ratio Lower Upper  
330 100  
332 96.5 76.9 115.3  
141 29.6 27.4 41.0

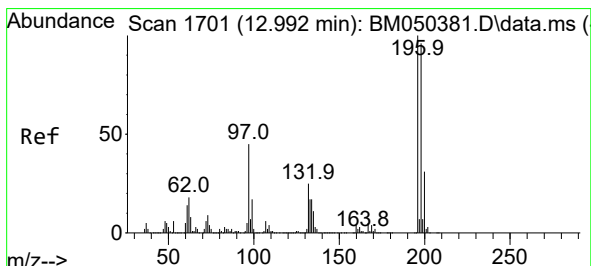
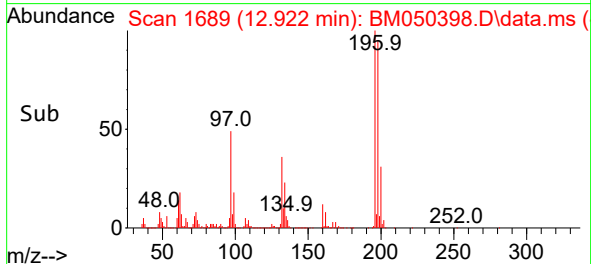
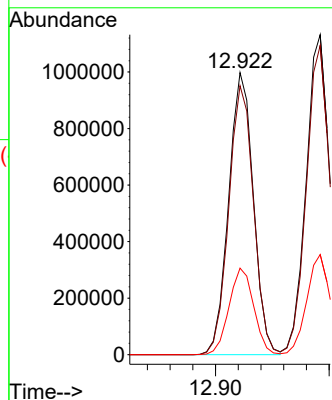
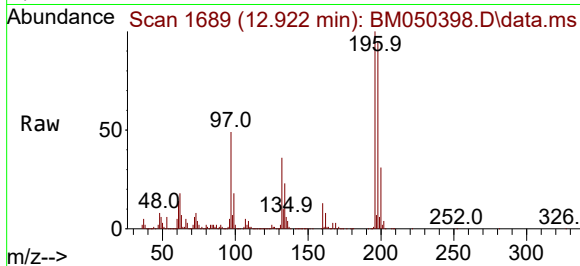




#43  
2,4,6-Trichlorophenol  
Concen: 51.227 ng  
RT: 12.922 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

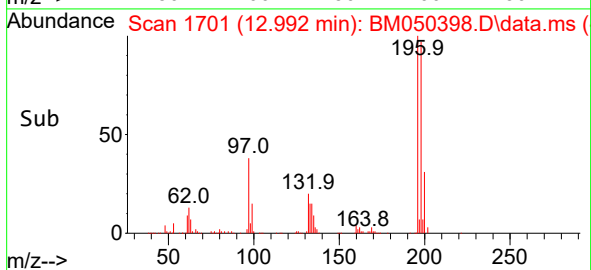
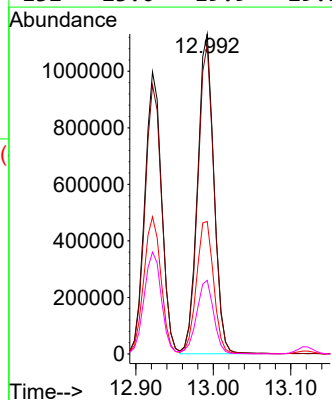
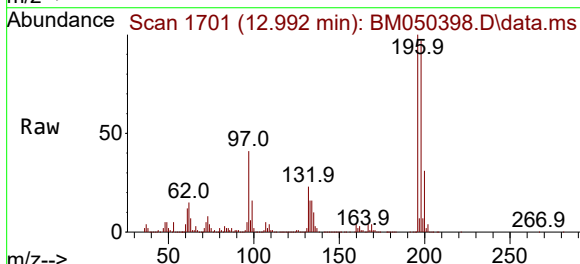
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

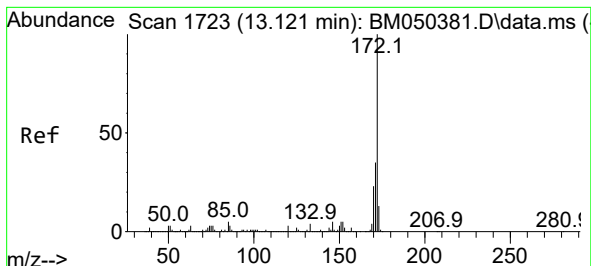
Tgt Ion:196 Resp: 1508438  
Ion Ratio Lower Upper  
196 100  
198 95.4 75.1 112.7  
200 30.7 24.6 37.0



#44  
2,4,5-Trichlorophenol  
Concen: 51.453 ng  
RT: 12.992 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:196 Resp: 1654685  
Ion Ratio Lower Upper  
196 100  
198 96.7 77.2 115.8  
97 41.4 36.2 54.4  
132 23.0 19.9 29.9





#45

2-Fluorobiphenyl

Concen: 80.594 ng

RT: 13.122 min Scan# 1723

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

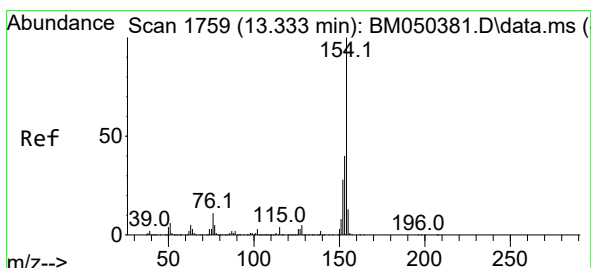
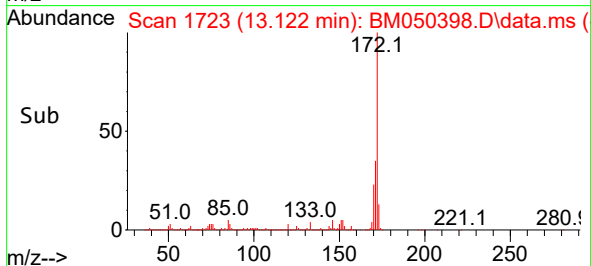
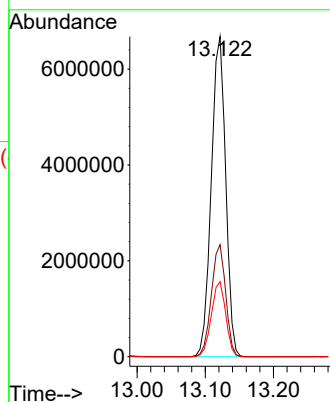
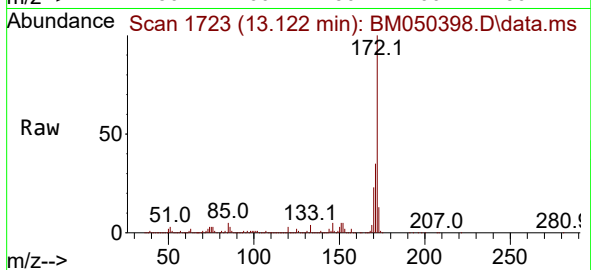
Tgt Ion:172 Resp: 9817246

Ion Ratio Lower Upper

172 100

171 35.0 27.7 41.5

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 46.002 ng

RT: 13.327 min Scan# 1758

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

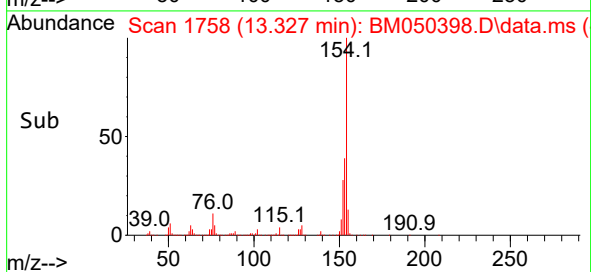
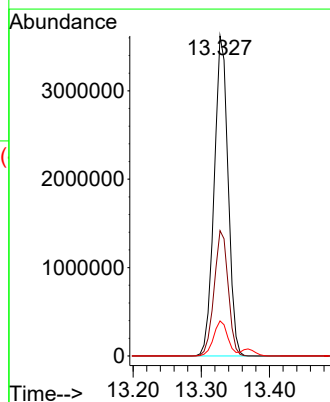
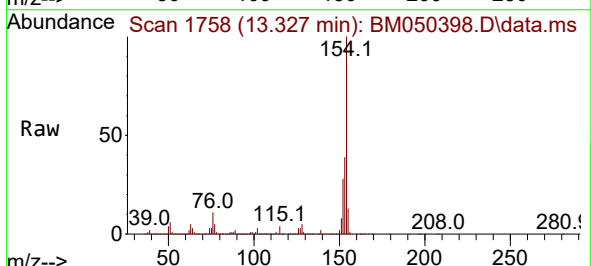
Tgt Ion:154 Resp: 5134210

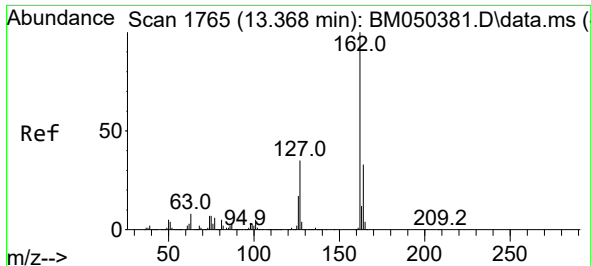
Ion Ratio Lower Upper

154 100

153 39.2 19.7 59.7

76 10.9 0.0 30.9

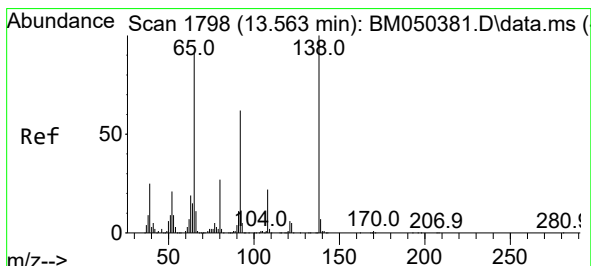
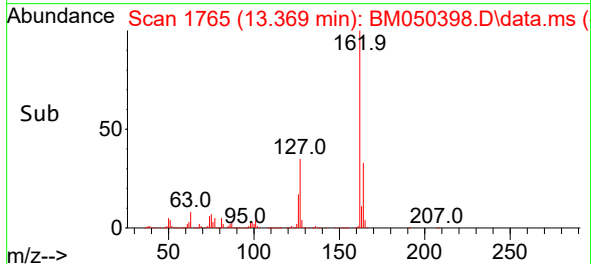
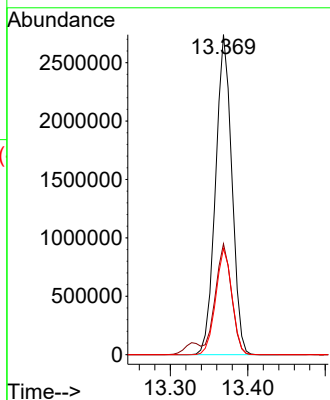
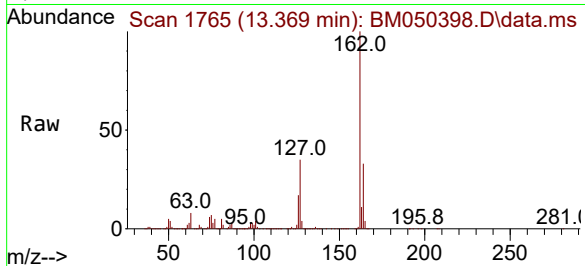




#47  
2-Chloronaphthalene  
Concen: 44.908 ng  
RT: 13.369 min Scan# 1765  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

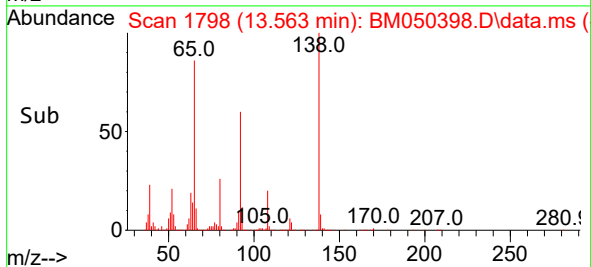
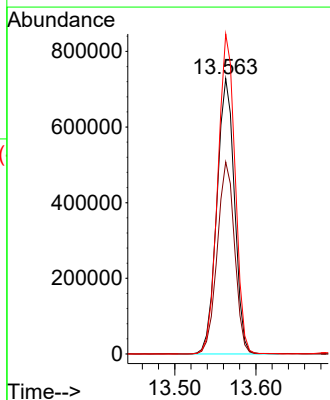
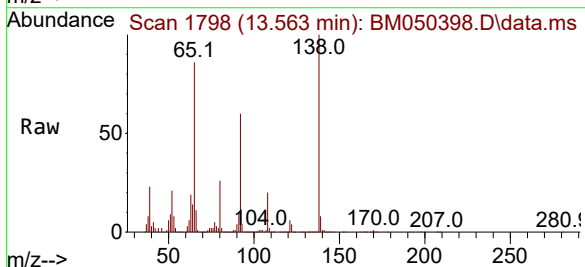
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

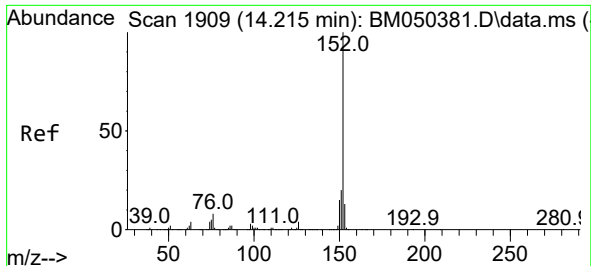
Tgt Ion:162 Resp: 3996208  
Ion Ratio Lower Upper  
162 100  
127 34.7 28.3 42.5  
164 33.2 26.6 40.0



#48  
2-Nitroaniline  
Concen: 55.269 ng  
RT: 13.563 min Scan# 1798  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion: 65 Resp: 1097792  
Ion Ratio Lower Upper  
65 100  
92 69.7 54.3 81.5  
138 116.2 87.8 131.6

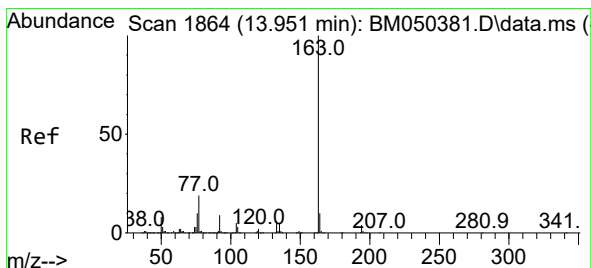
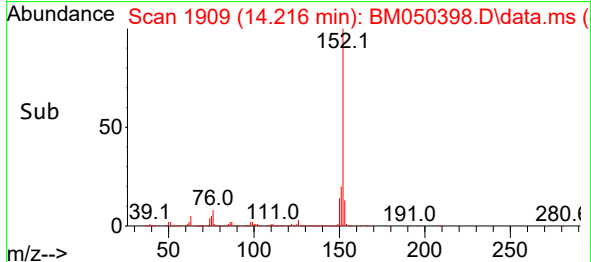
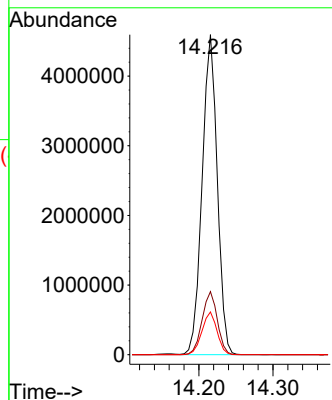
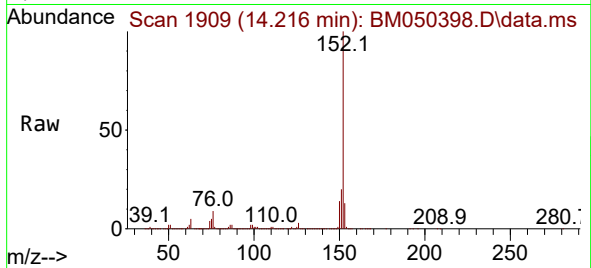




#49  
Acenaphthylene  
Concen: 48.349 ng  
RT: 14.216 min Scan# 1909  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

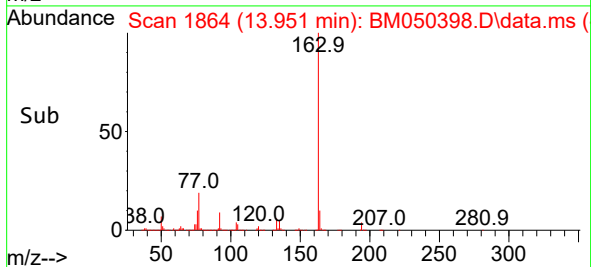
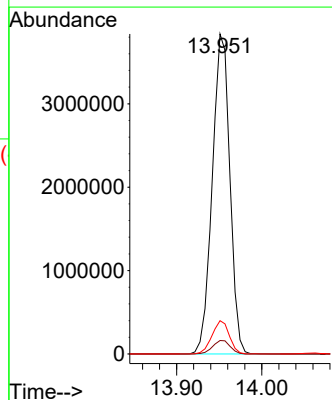
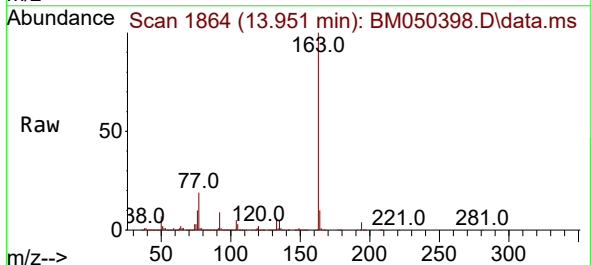
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

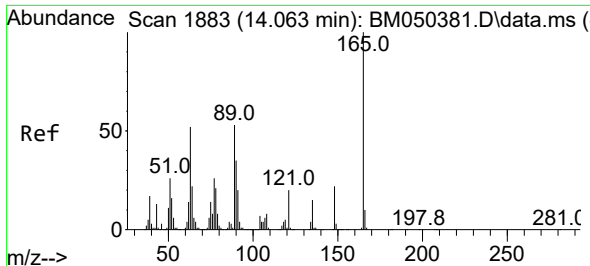
Tgt Ion:152 Resp: 6502221  
Ion Ratio Lower Upper  
152 100  
151 19.7 16.3 24.5  
153 13.3 10.6 15.8



#50  
Dimethylphthalate  
Concen: 53.034 ng  
RT: 13.951 min Scan# 1864  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:163 Resp: 5492602  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.4 5.2  
164 10.4 8.2 12.2

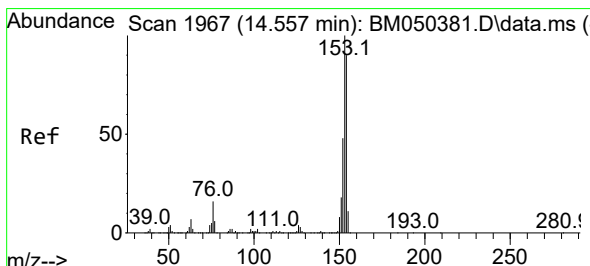
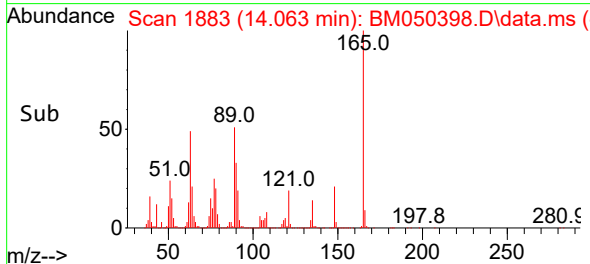
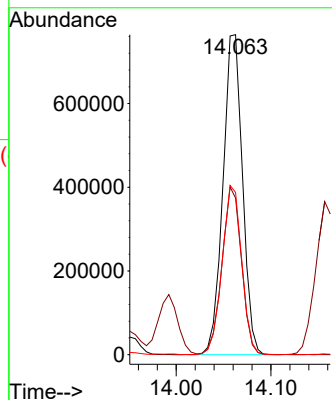
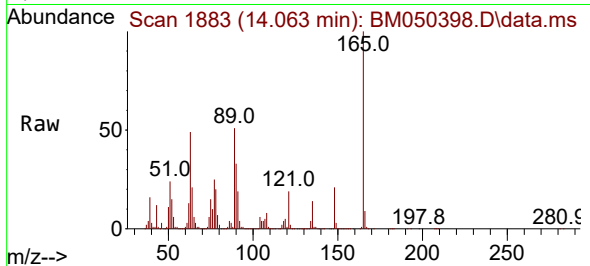




#51  
2,6-Dinitrotoluene  
Concen: 55.177 ng  
RT: 14.063 min Scan# 1883  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

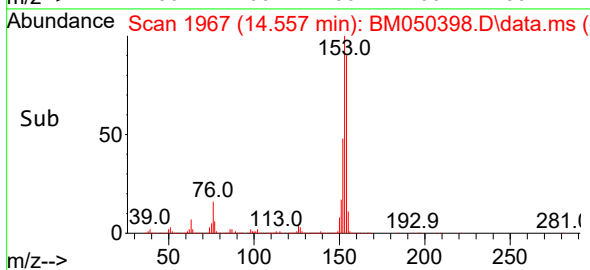
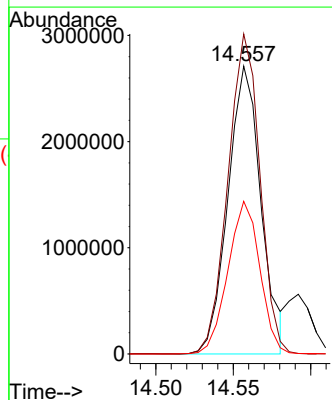
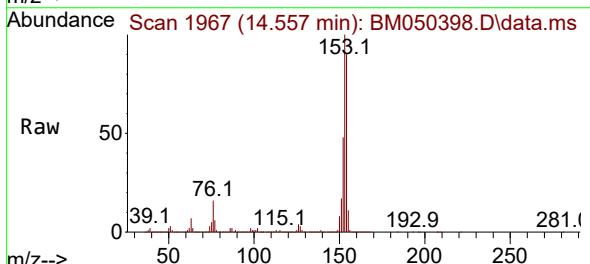
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

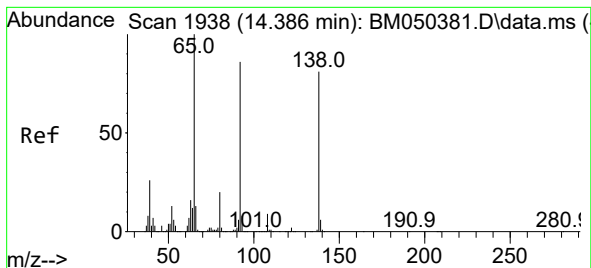
Tgt Ion:165 Resp: 1097204  
Ion Ratio Lower Upper  
165 100  
63 48.9 42.4 63.6  
89 50.7 42.2 63.2



#52  
Acenaphthene  
Concen: 47.028 ng  
RT: 14.557 min Scan# 1967  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:154 Resp: 4020866  
Ion Ratio Lower Upper  
154 100  
153 111.2 89.2 133.8  
152 53.0 42.6 64.0

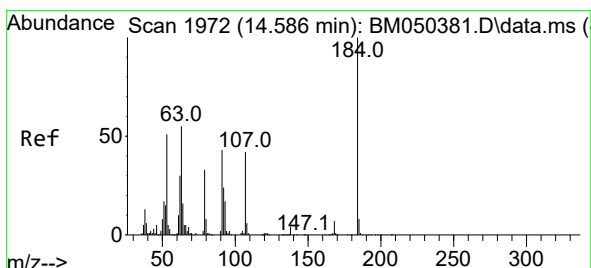
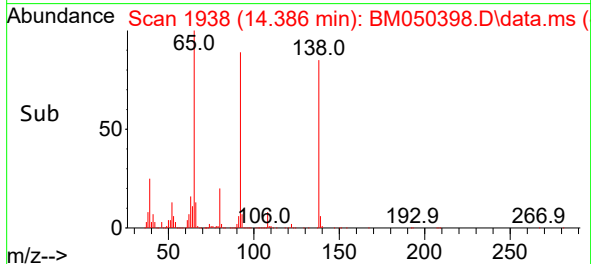
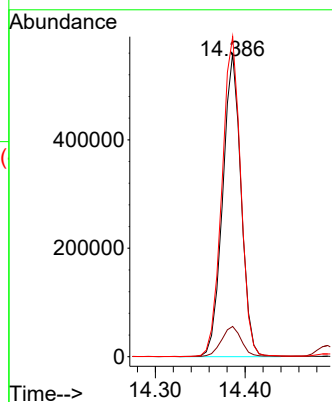
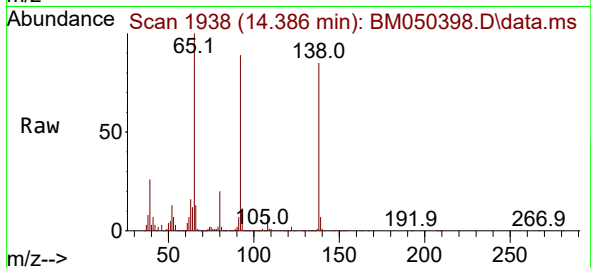




#53  
3-Nitroaniline  
Concen: 37.509 ng  
RT: 14.386 min Scan# 1938  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

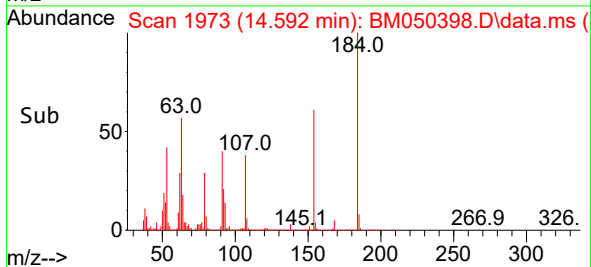
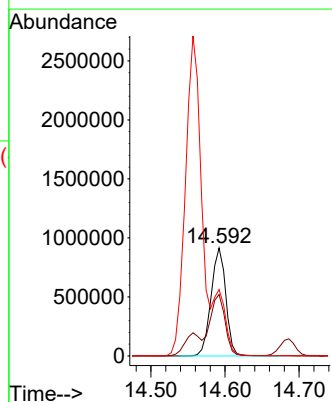
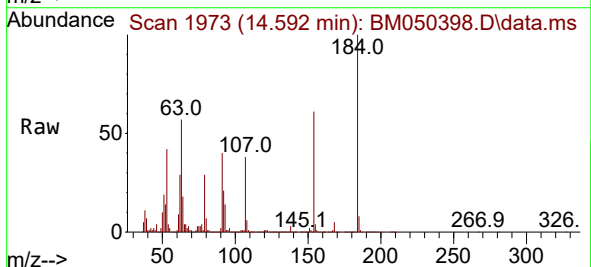
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

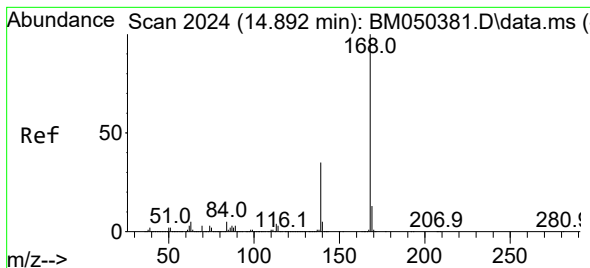
Tgt Ion:138 Resp: 793223  
Ion Ratio Lower Upper  
138 100  
108 10.0 8.8 13.2  
92 105.5 85.0 127.6



#54  
2,4-Dinitrophenol  
Concen: 112.711 ng  
RT: 14.592 min Scan# 1973  
Delta R.T. 0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:184 Resp: 1268000  
Ion Ratio Lower Upper  
184 100  
63 56.9 53.4 80.0  
154 61.4 61.6 92.4#

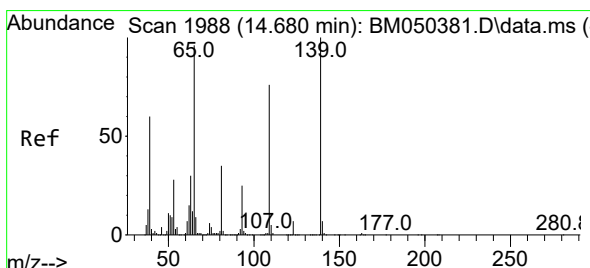
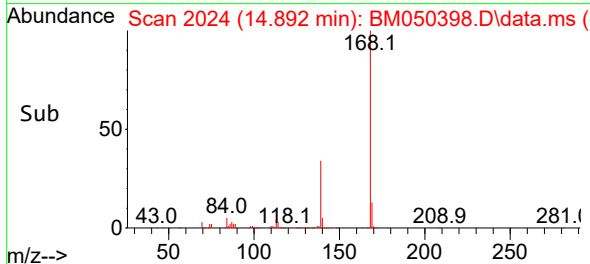
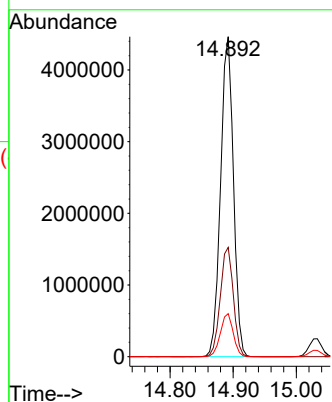
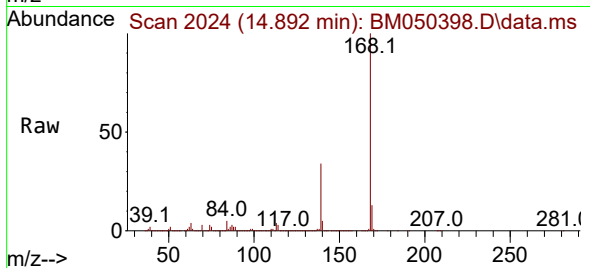




#55  
Dibenzofuran  
Concen: 47.756 ng  
RT: 14.892 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

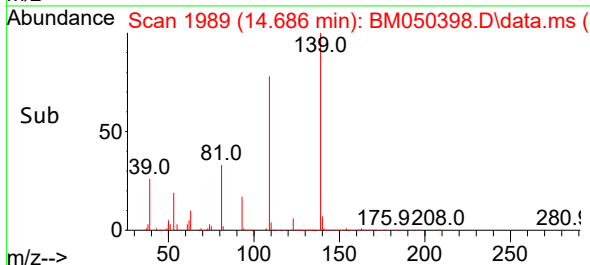
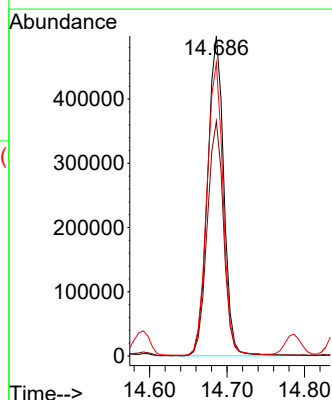
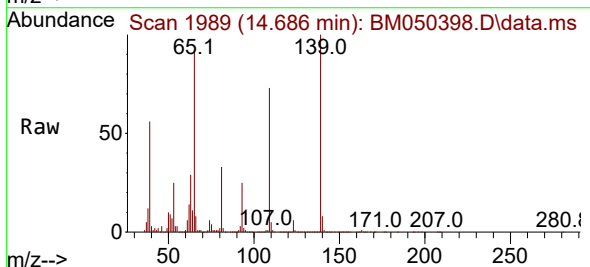
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

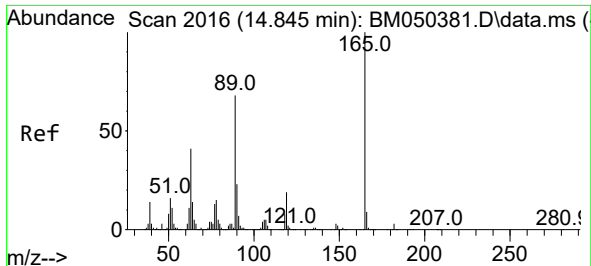
Tgt Ion:168 Resp: 6291245  
Ion Ratio Lower Upper  
168 100  
139 34.2 27.7 41.5  
169 13.4 10.7 16.1



#56  
4-Nitrophenol  
Concen: 39.976 ng  
RT: 14.686 min Scan# 1989  
Delta R.T. 0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:139 Resp: 727022  
Ion Ratio Lower Upper  
139 100  
109 73.4 56.5 96.5  
65 91.6 76.4 116.4

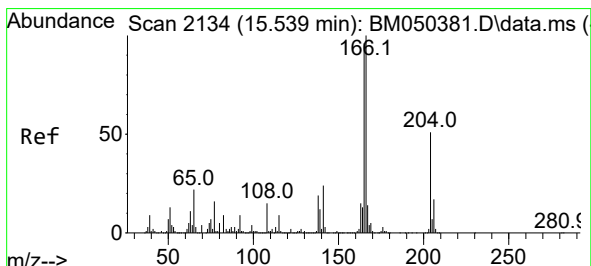
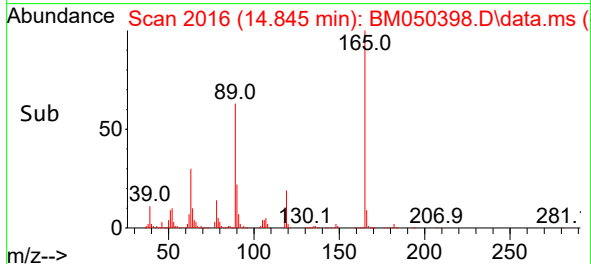
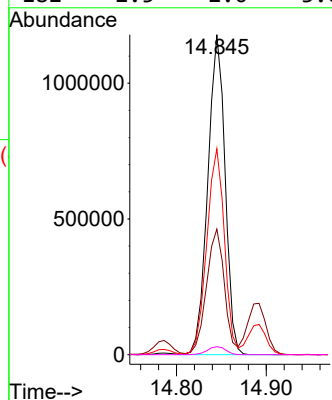
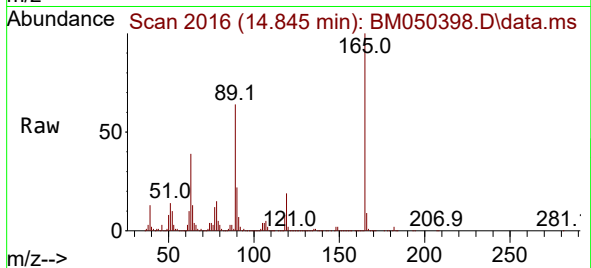




#57  
2,4-Dinitrotoluene  
Concen: 52.704 ng  
RT: 14.845 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

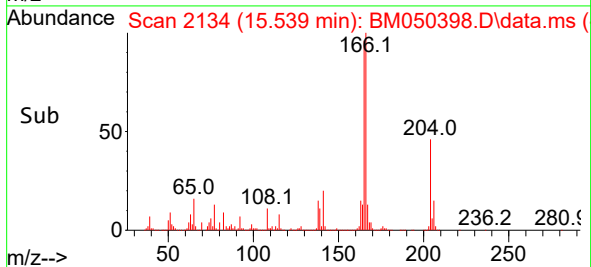
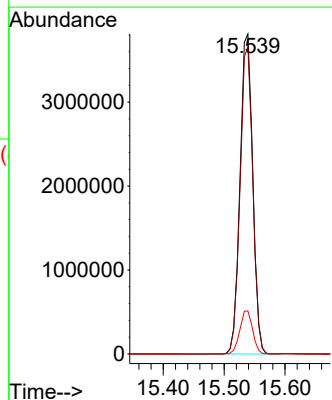
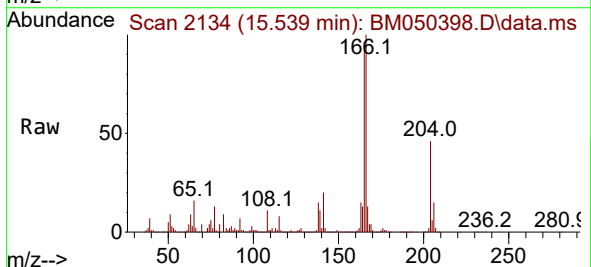
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

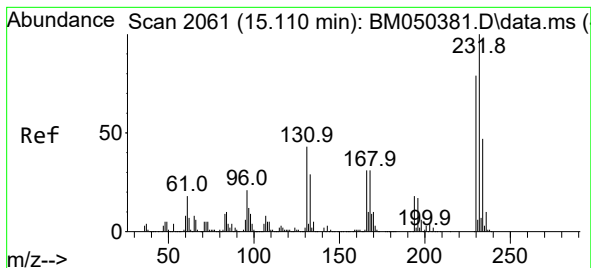
Tgt Ion:165 Resp: 1577324  
Ion Ratio Lower Upper  
165 100  
63 39.3 32.5 48.7  
89 64.3 54.0 81.0  
182 2.5 2.0 3.0



#58  
Fluorene  
Concen: 50.964 ng  
RT: 15.539 min Scan# 2134  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:166 Resp: 5530046  
Ion Ratio Lower Upper  
166 100  
165 96.0 77.0 115.6  
167 13.5 10.9 16.3

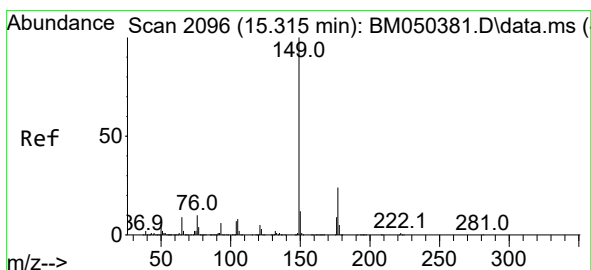
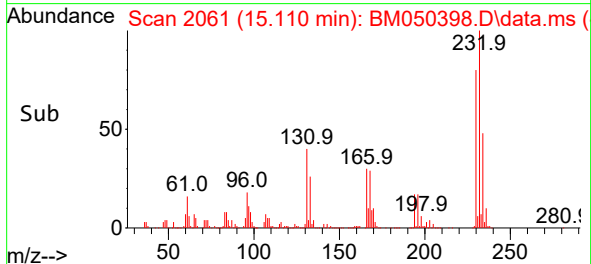
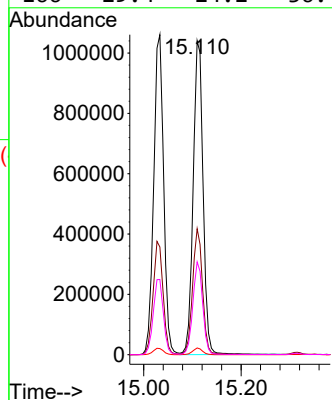
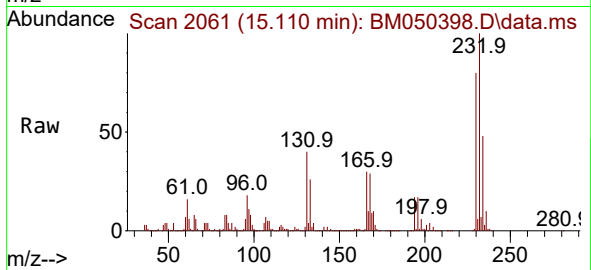




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 54.585 ng  
RT: 15.110 min Scan# 2061  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

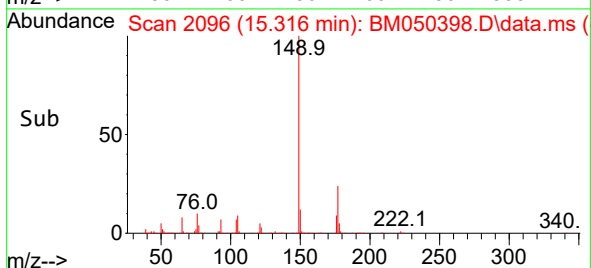
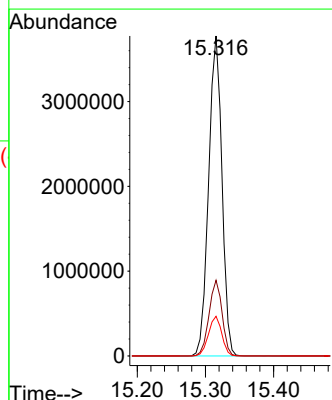
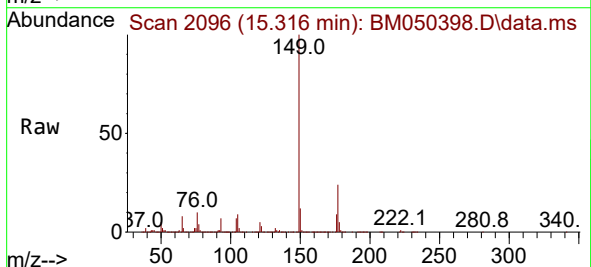
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

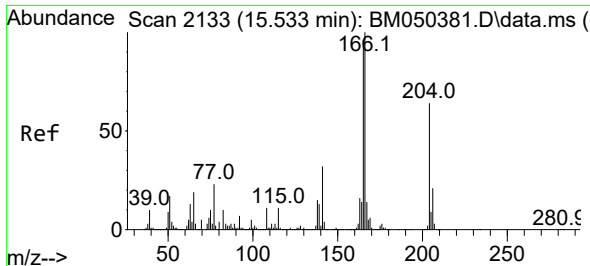
Tgt Ion:232 Resp: 1477699  
Ion Ratio Lower Upper  
232 100  
131 39.8 33.4 50.0  
130 2.1 1.8 2.6  
166 29.4 24.2 36.4



#60  
Diethylphthalate  
Concen: 51.841 ng  
RT: 15.316 min Scan# 2096  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:149 Resp: 5128680  
Ion Ratio Lower Upper  
149 100  
177 23.6 18.8 28.2  
150 12.4 9.8 14.8

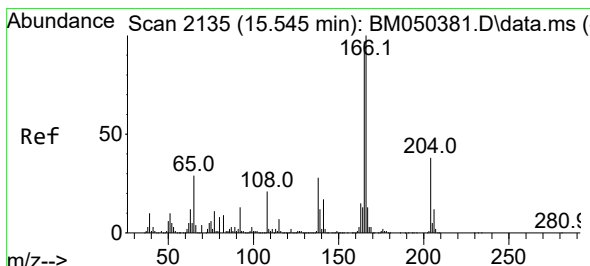
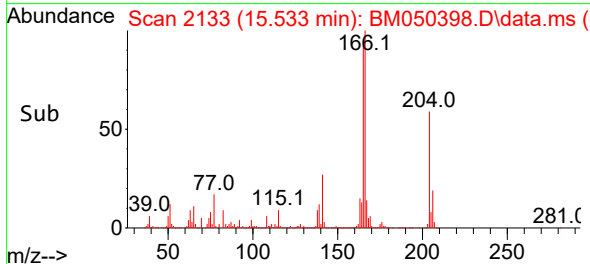
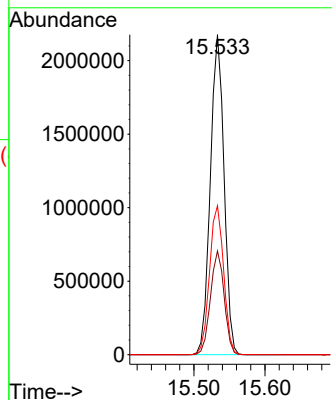
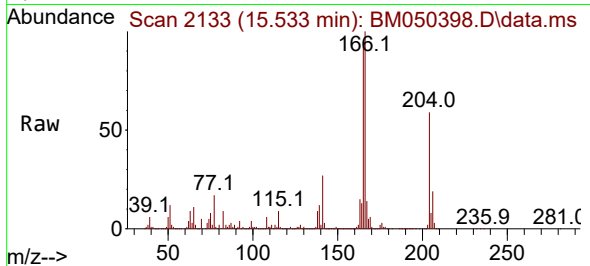




#61  
4-Chlorophenyl-phenylether  
Concen: 51.511 ng  
RT: 15.533 min Scan# 2133  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

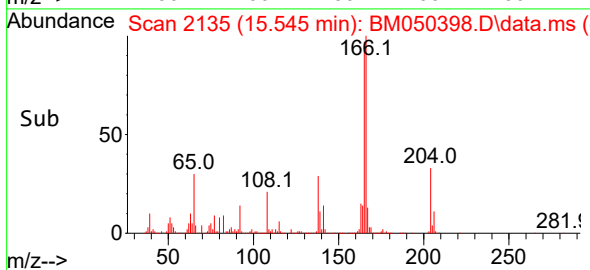
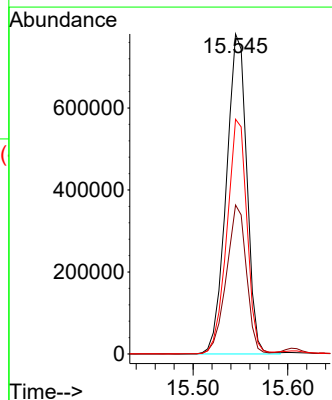
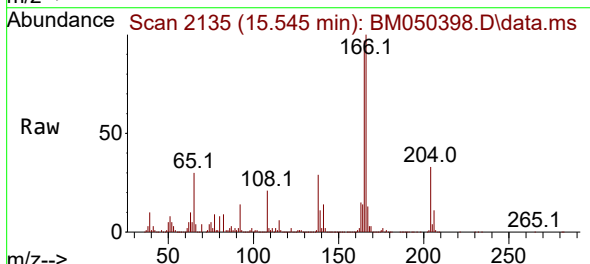
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

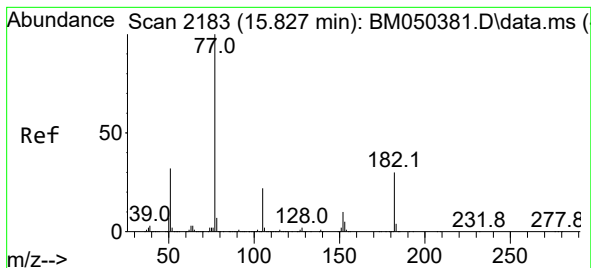
Tgt Ion:204 Resp: 2922679  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.6 39.8  
141 46.6 39.9 59.9



#62  
4-Nitroaniline  
Concen: 48.205 ng  
RT: 15.545 min Scan# 2135  
Delta R.T. -0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:138 Resp: 1172268  
Ion Ratio Lower Upper  
138 100  
92 46.6 24.5 64.5  
108 73.3 52.5 92.5



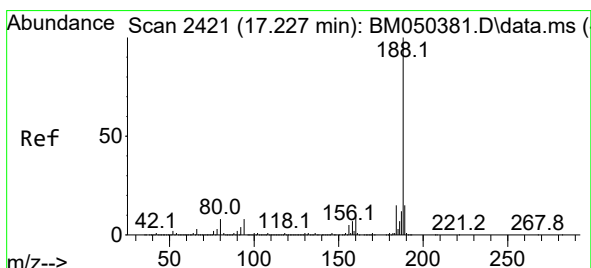
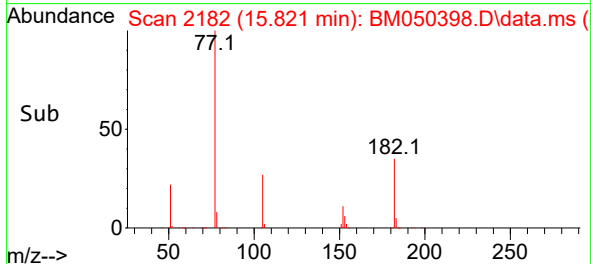
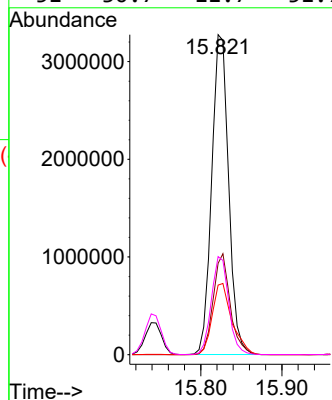
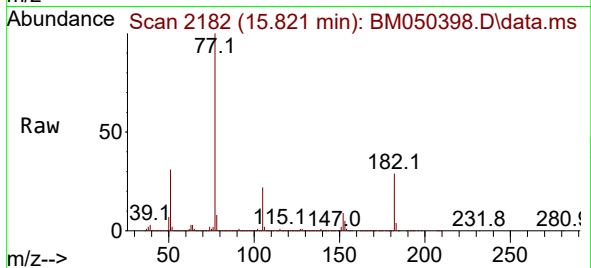


#63  
Azobenzene  
Concen: 52.158 ng  
RT: 15.821 min Scan# 2183  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

Tgt Ion: 77 Resp: 4738176

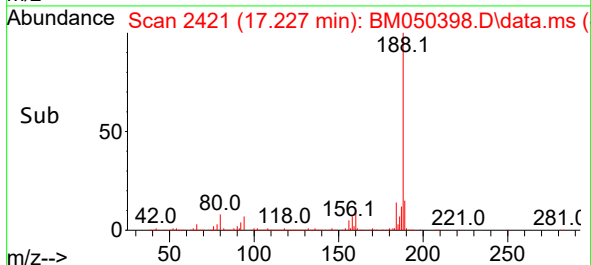
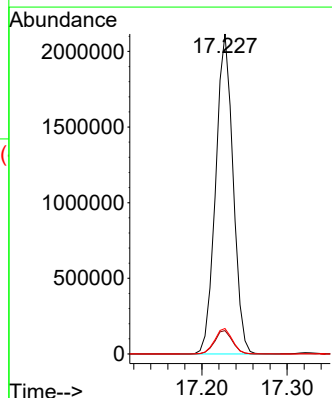
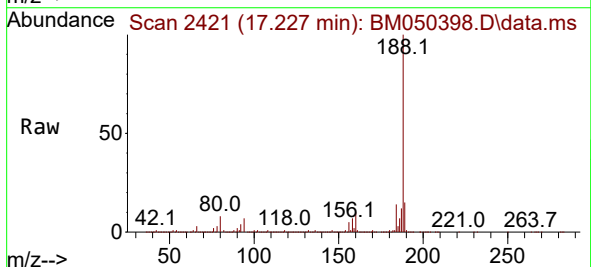
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 28.6  | 10.0  | 50.0  |
| 105 | 21.7  | 2.0   | 42.0  |
| 51  | 30.7  | 11.7  | 51.7  |

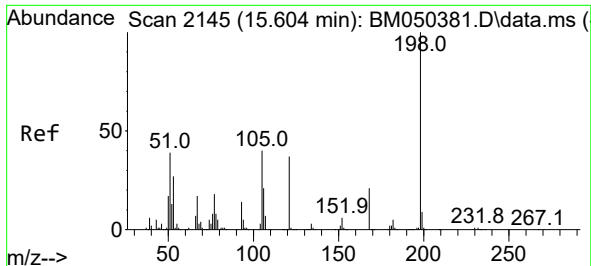


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.227 min Scan# 2421  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion: 188 Resp: 3001428

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 7.3   | 6.0   | 9.0   |
| 80  | 8.0   | 6.5   | 9.7   |

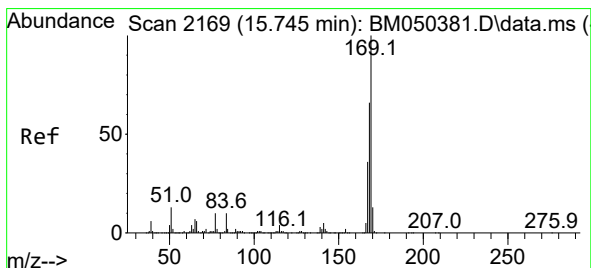
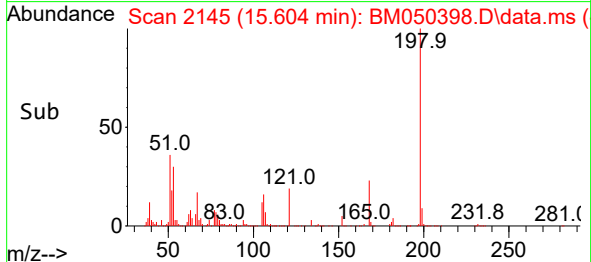
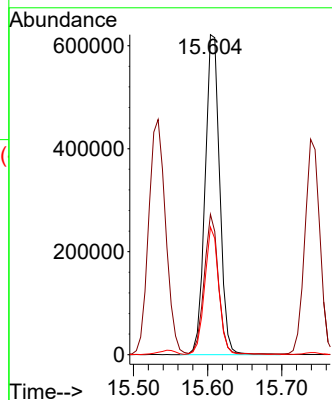
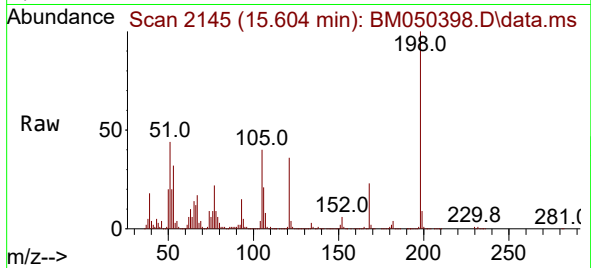




#65  
4,6-Dinitro-2-methylphenol  
Concen: 52.140 ng  
RT: 15.604 min Scan# 2145  
Delta R.T. -0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

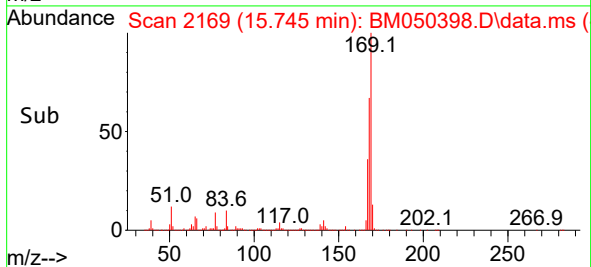
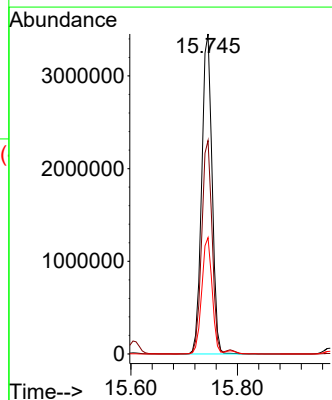
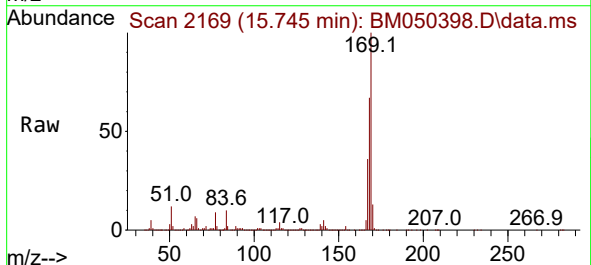
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

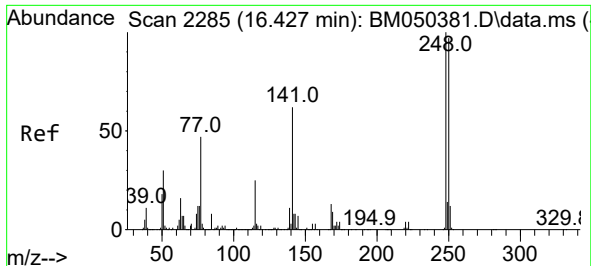
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 43.9  | 26.6  | 66.6  |
| 105     | 39.8  | 20.9  | 60.9  |



#66  
n-Nitrosodiphenylamine  
Concen: 49.578 ng  
RT: 15.745 min Scan# 2169  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 66.7  | 53.2  | 79.8  |
| 167     | 36.4  | 28.7  | 43.1  |

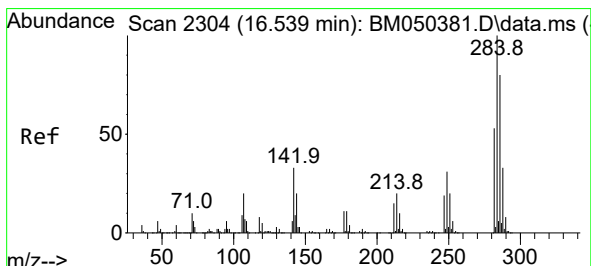
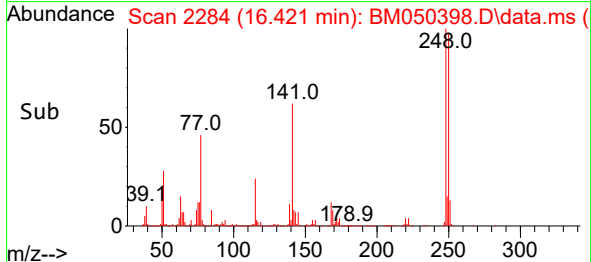
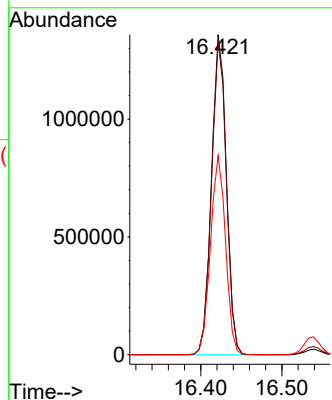
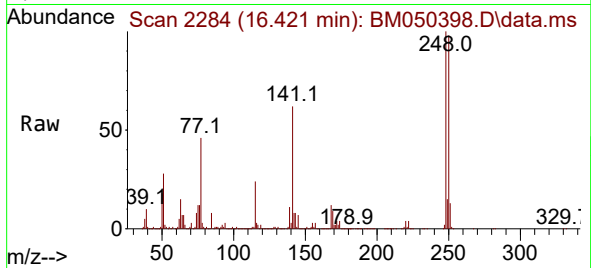




#67  
4-Bromophenyl-phenylether  
Concen: 52.253 ng  
RT: 16.421 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

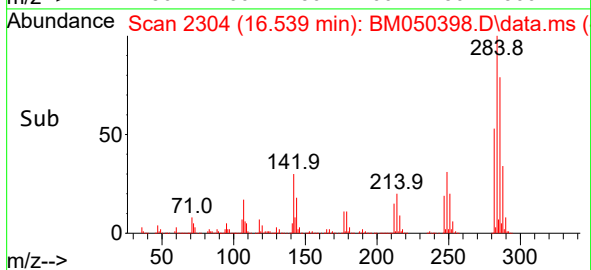
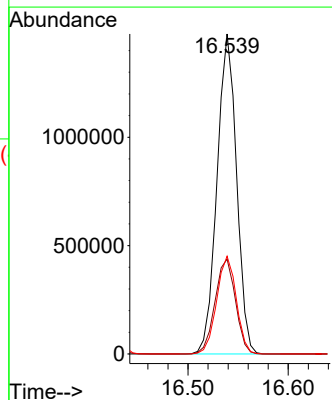
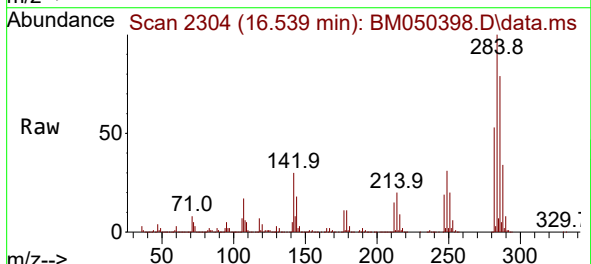
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

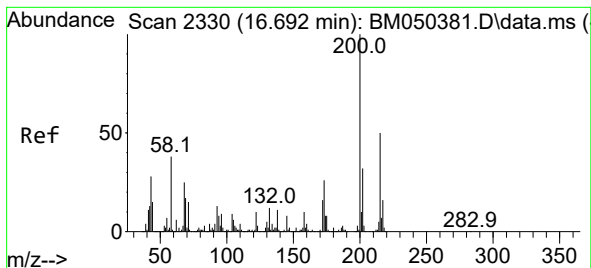
Tgt Ion:248 Resp: 1727958  
Ion Ratio Lower Upper  
248 100  
250 97.8 77.9 116.9  
141 62.3 49.7 74.5



#68  
Hexachlorobenzene  
Concen: 51.137 ng  
RT: 16.539 min Scan# 2304  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:284 Resp: 1997235  
Ion Ratio Lower Upper  
284 100  
142 29.7 26.8 40.2  
249 30.5 24.5 36.7





#69

Atrazine

Concen: 55.199 ng

RT: 16.692 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

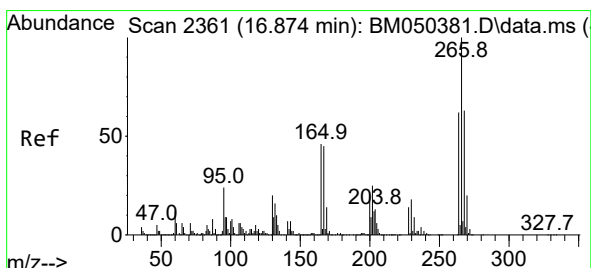
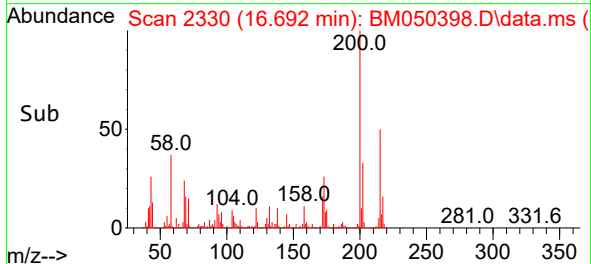
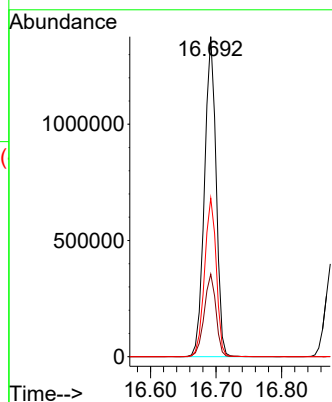
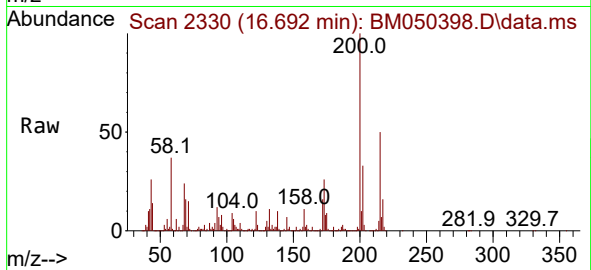
Tgt Ion:200 Resp: 1702330

Ion Ratio Lower Upper

200 100

173 25.8 5.6 45.6

215 49.6 29.6 69.6



#70

Pentachlorophenol

Concen: 119.545 ng

RT: 16.874 min Scan# 2361

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

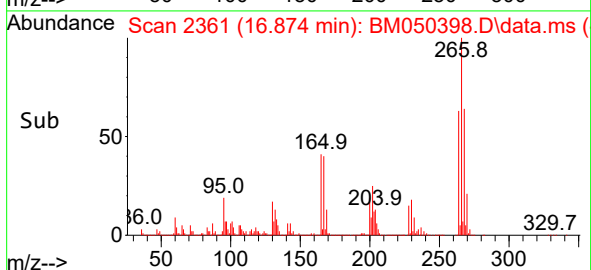
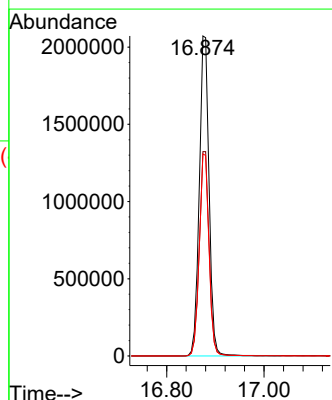
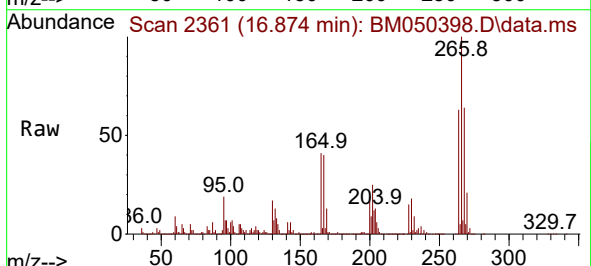
Tgt Ion:266 Resp: 2906548

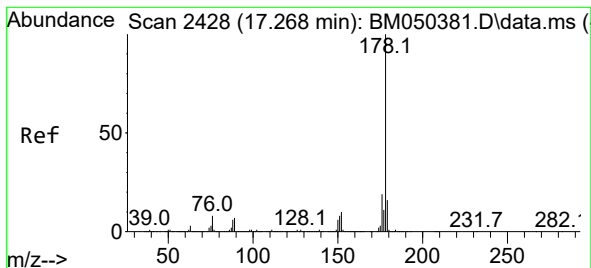
Ion Ratio Lower Upper

266 100

268 63.8 50.5 75.7

264 63.2 49.9 74.9





#71

Phenanthrene

Concen: 49.802 ng

RT: 17.268 min Scan# 2428

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

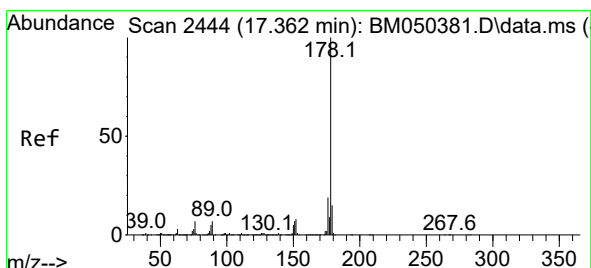
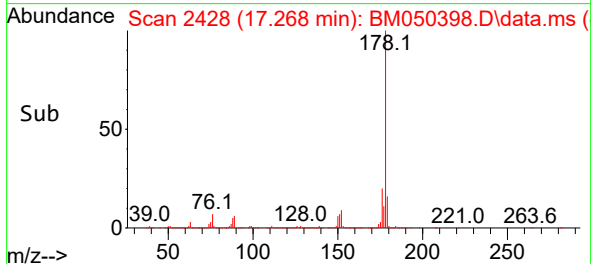
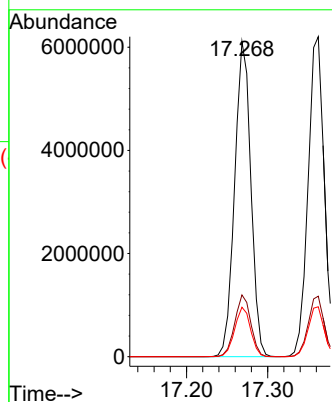
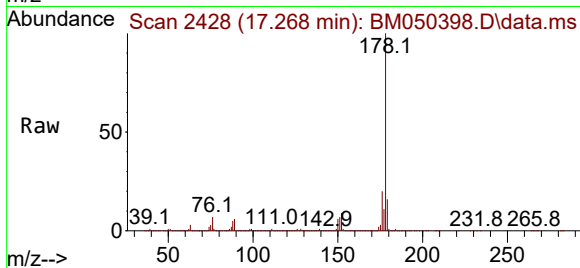
Tgt Ion:178 Resp: 8458203

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.7 12.5 18.7



#72

Anthracene

Concen: 50.884 ng

RT: 17.362 min Scan# 2444

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

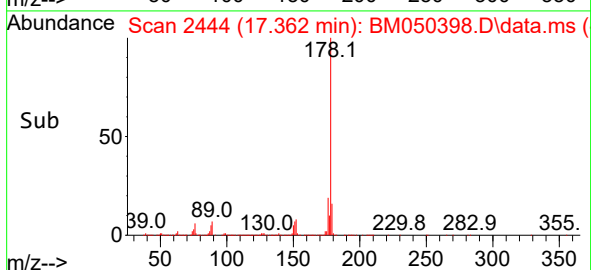
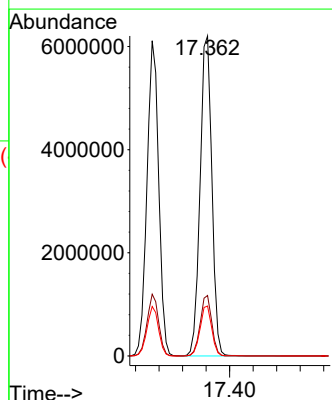
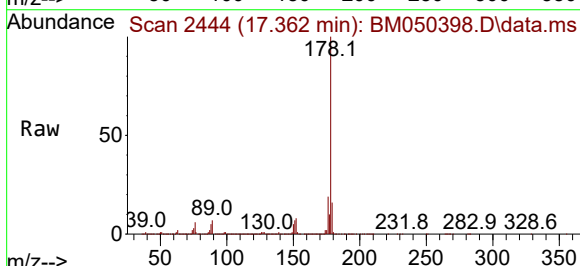
Tgt Ion:178 Resp: 8602361

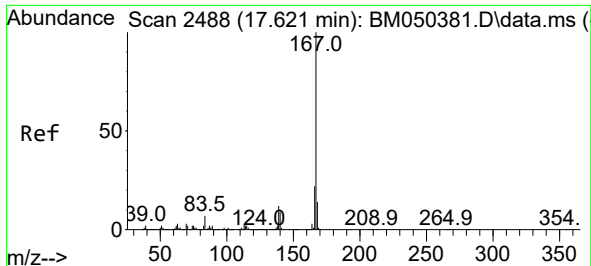
Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.6 12.2 18.4

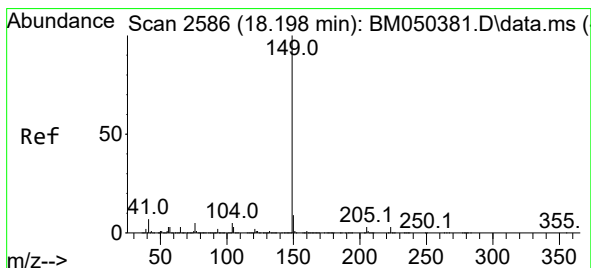
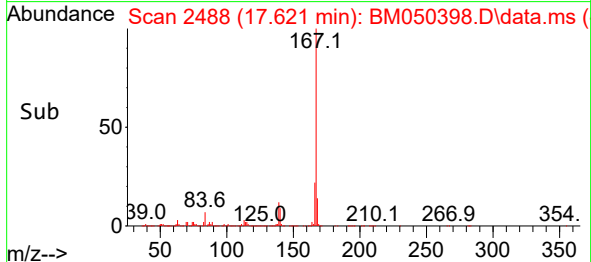
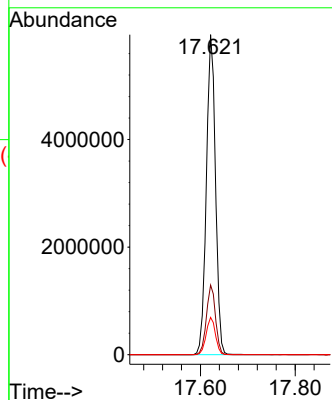
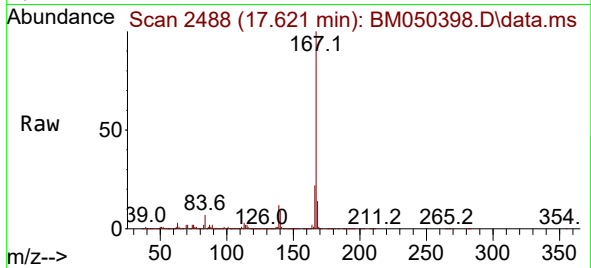




#73  
 Carbazole  
 Concen: 52.205 ng  
 RT: 17.621 min Scan# 2488  
 Delta R.T. 0.000 min  
 Lab File: BM050398.D  
 Acq: 10 Jul 2025 20:39

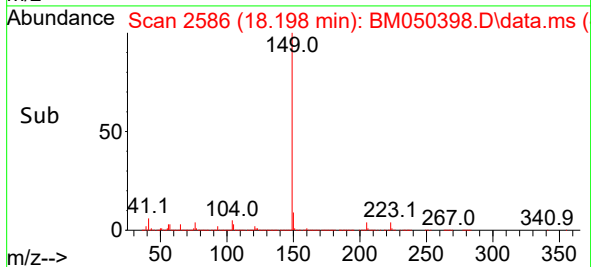
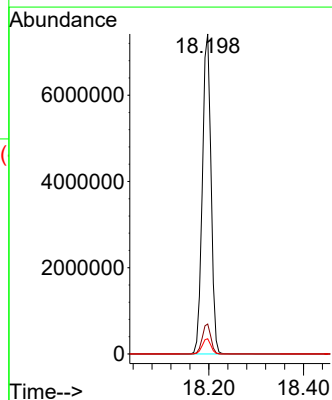
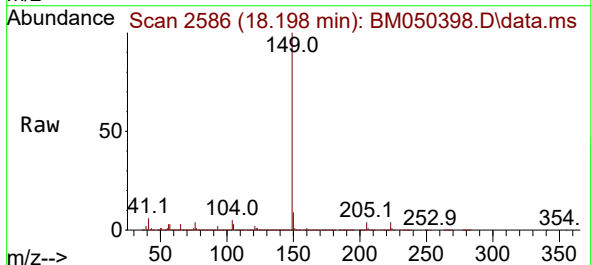
Instrument :  
 BNA\_M  
 ClientSampleId :  
 G4(0-6)MS

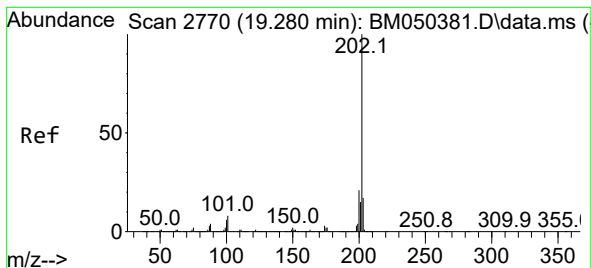
Tgt Ion:167 Resp: 7985603  
 Ion Ratio Lower Upper  
 167 100  
 166 21.7 17.2 25.8  
 139 11.7 9.9 14.9



#74  
 Di-n-butylphthalate  
 Concen: 55.833 ng  
 RT: 18.198 min Scan# 2586  
 Delta R.T. 0.000 min  
 Lab File: BM050398.D  
 Acq: 10 Jul 2025 20:39

Tgt Ion:149 Resp: 9347956  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.3 10.9  
 104 4.8 3.9 5.9





#75

Fluoranthene

Concen: 55.311 ng

RT: 19.274 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

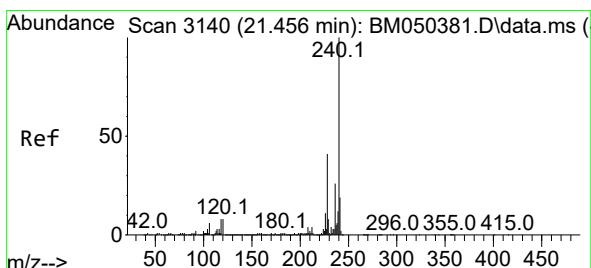
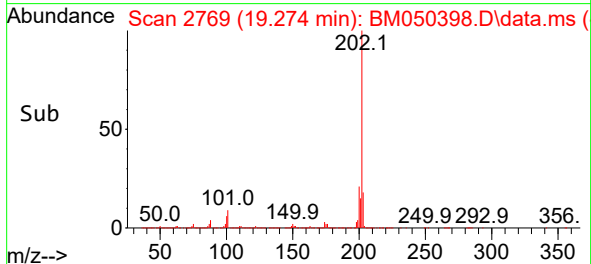
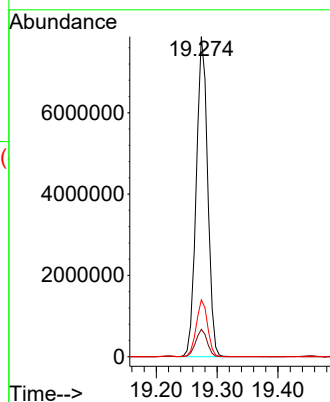
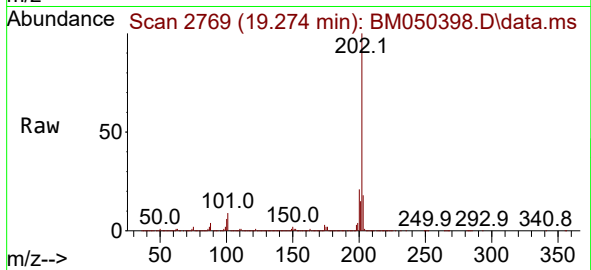
Tgt Ion:202 Resp:10212191

Ion Ratio Lower Upper

202 100

101 8.5 0.0 28.3

203 17.8 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.456 min Scan# 3140

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

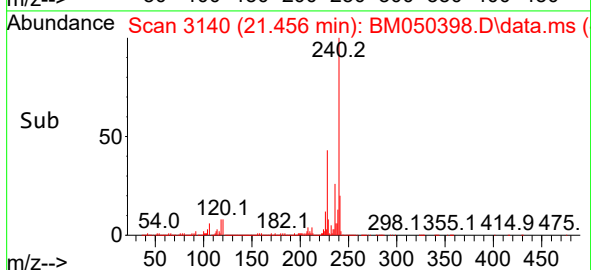
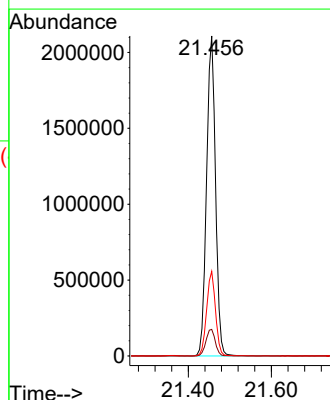
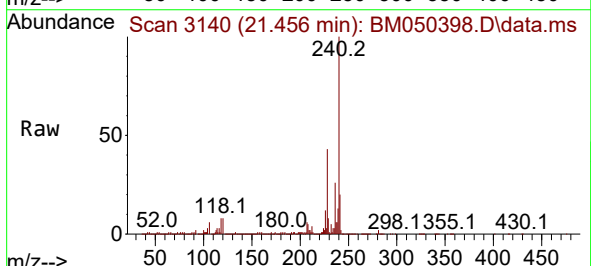
Tgt Ion:240 Resp: 3160884

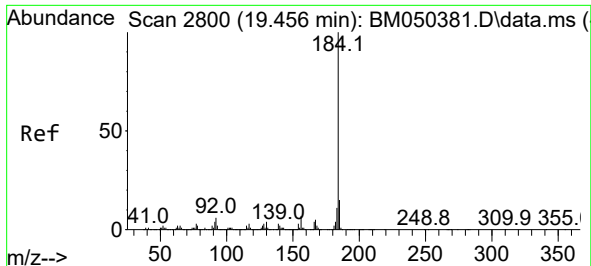
Ion Ratio Lower Upper

240 100

120 8.3 6.7 10.1

236 26.5 20.7 31.1

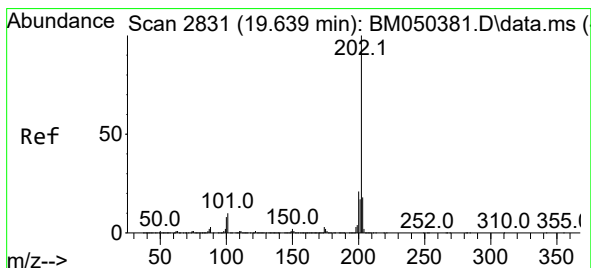
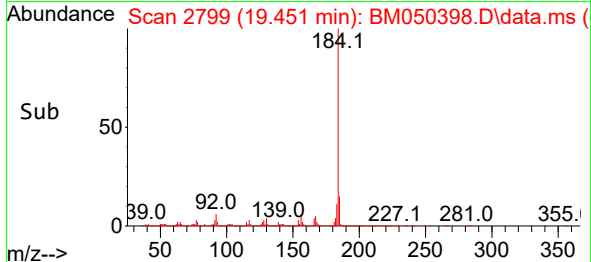
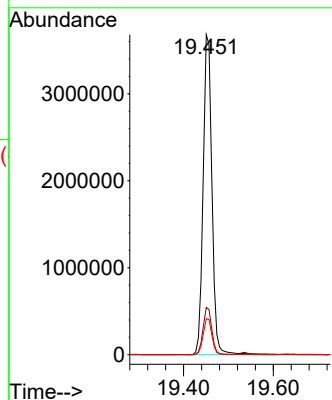
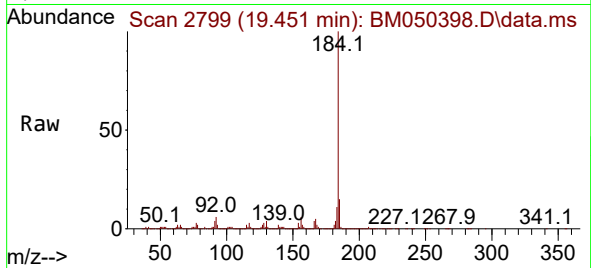




#77  
Benzidine  
Concen: 62.281 ng  
RT: 19.451 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

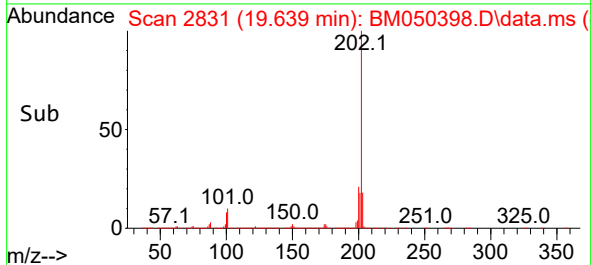
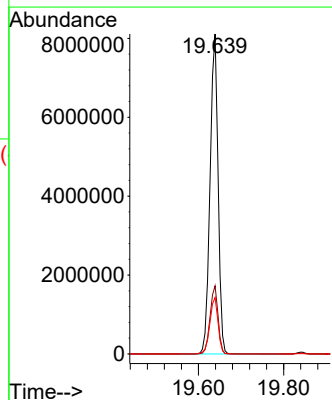
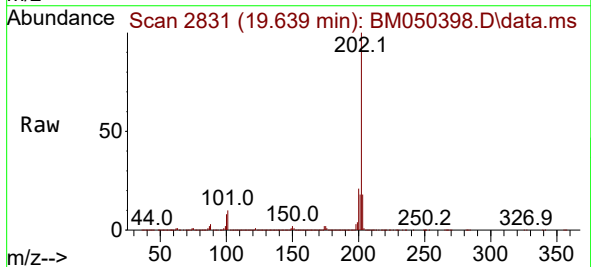
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

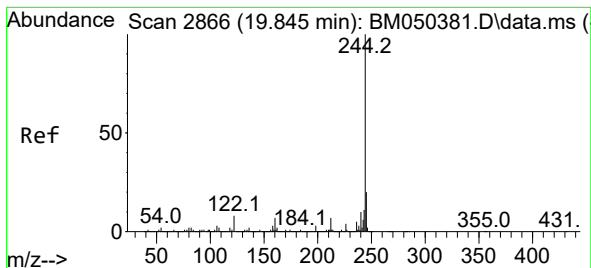
Tgt Ion:184 Resp: 5021242  
Ion Ratio Lower Upper  
184 100  
185 14.7 11.7 17.5  
183 11.2 9.0 13.6



#78  
Pyrene  
Concen: 52.285 ng  
RT: 19.639 min Scan# 2831  
Delta R.T. 0.000 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:202 Resp:10584561  
Ion Ratio Lower Upper  
202 100  
200 21.3 16.9 25.3  
203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 76.583 ng

RT: 19.839 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

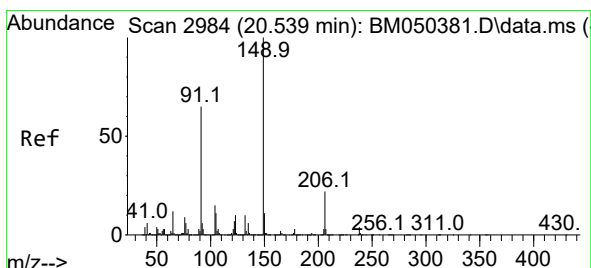
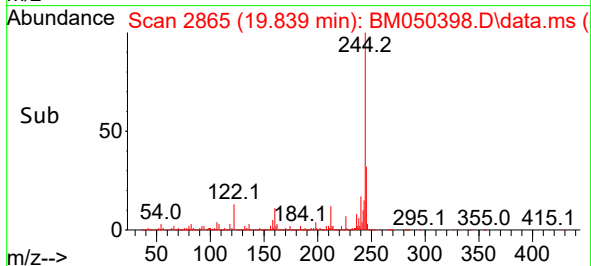
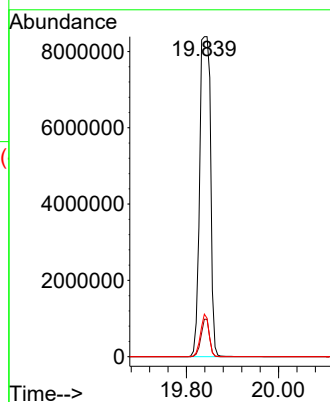
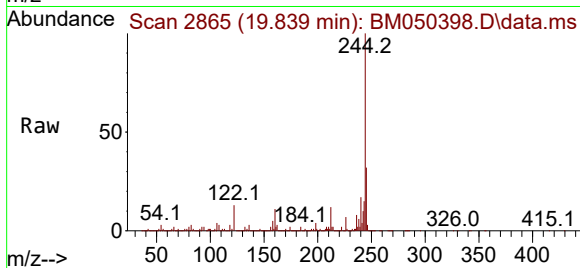
Tgt Ion:244 Resp:13758226

Ion Ratio Lower Upper

244 100

212 11.7 5.7 8.5#

122 13.3 6.2 9.2#



#80

Butylbenzylphthalate

Concen: 63.107 ng

RT: 20.533 min Scan# 2983

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

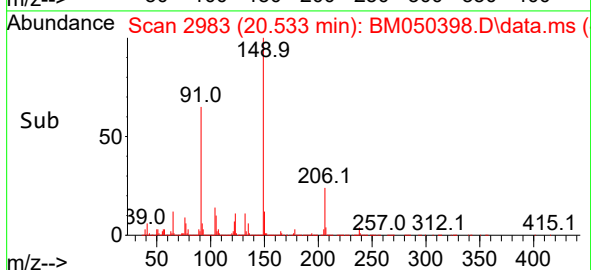
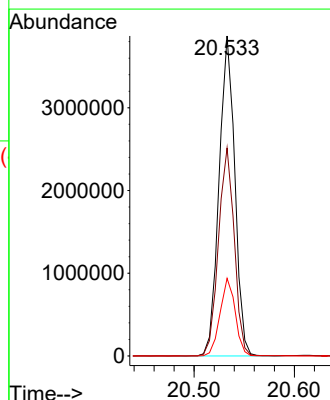
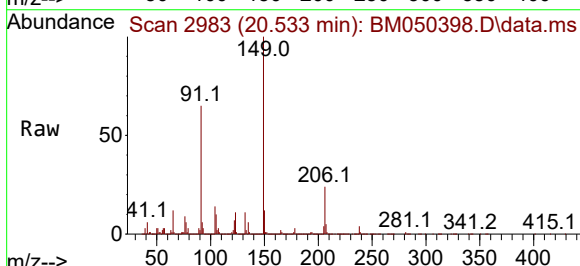
Tgt Ion:149 Resp: 4212458

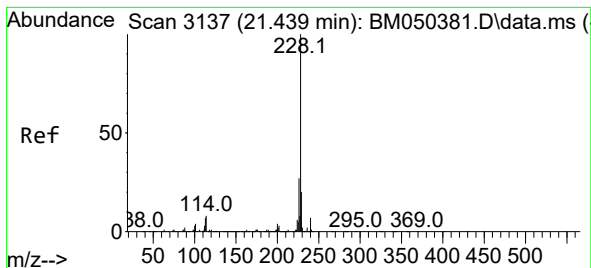
Ion Ratio Lower Upper

149 100

91 65.0 51.6 77.4

206 24.3 17.8 26.8





#81

Benzo(a)anthracene

Concen: 51.721 ng

RT: 21.439 min Scan# 3137

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

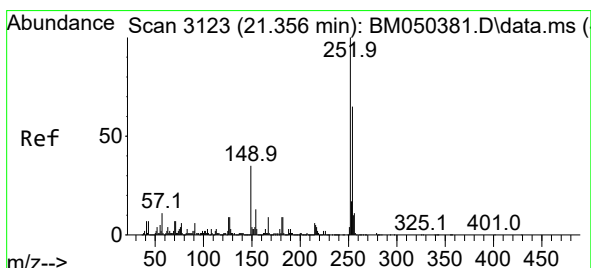
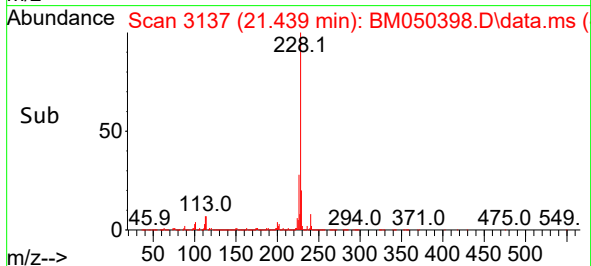
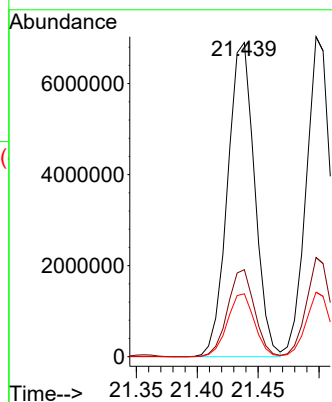
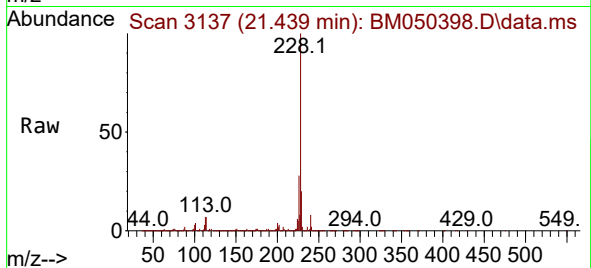
Tgt Ion:228 Resp:10652130

Ion Ratio Lower Upper

228 100

226 27.7 21.8 32.8

229 20.1 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 48.206 ng

RT: 21.356 min Scan# 3123

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

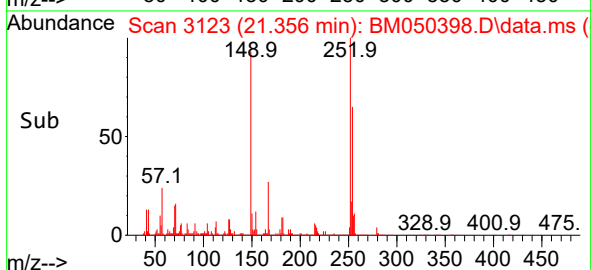
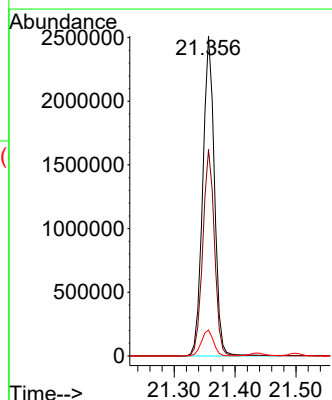
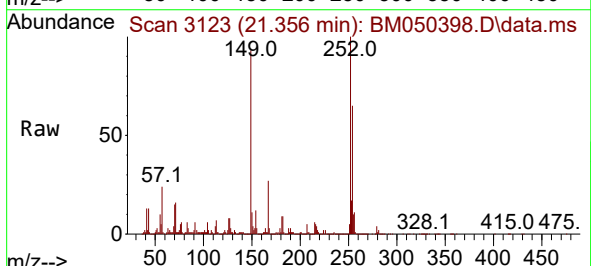
Tgt Ion:252 Resp: 3348107

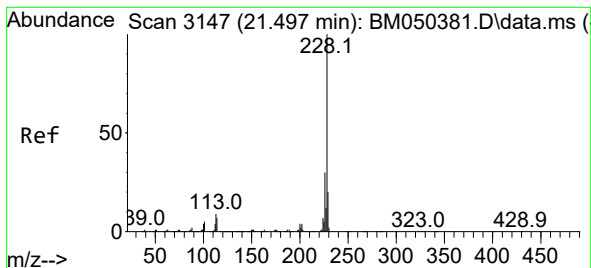
Ion Ratio Lower Upper

252 100

254 64.5 51.7 77.5

126 8.1 7.3 10.9





#83

Chrysene

Concen: 50.772 ng

RT: 21.497 min Scan# 3147

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

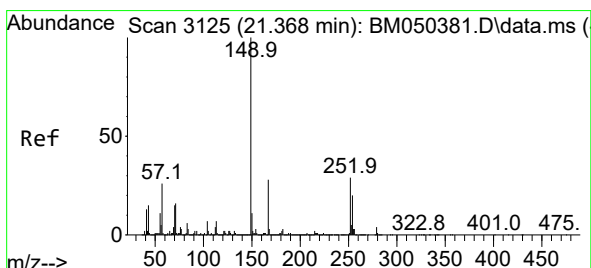
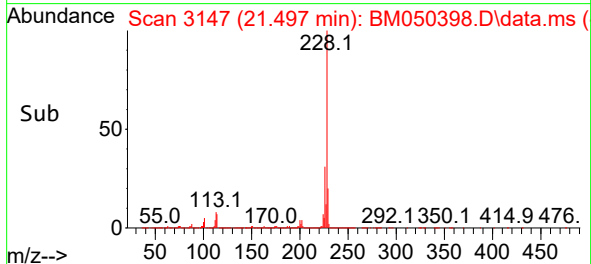
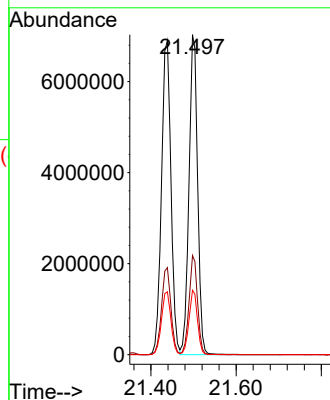
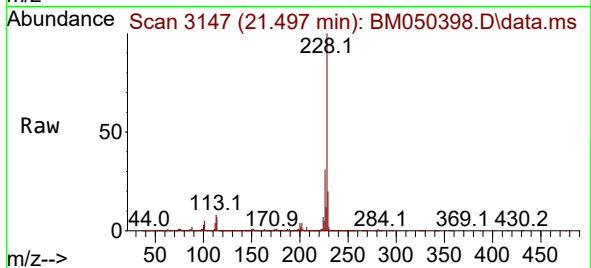
Tgt Ion:228 Resp: 9862925

Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.4

229 20.1 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 61.000 ng

RT: 21.368 min Scan# 3125

Delta R.T. 0.000 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

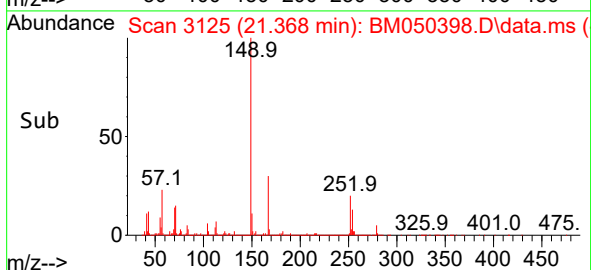
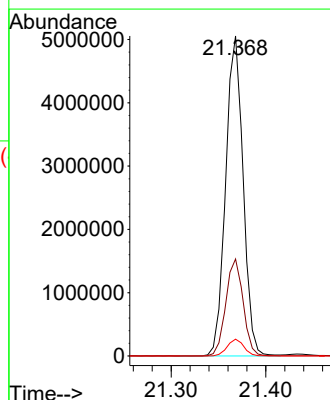
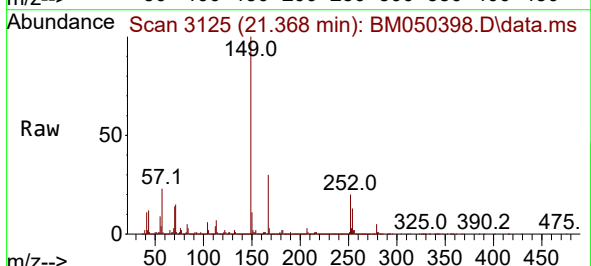
Tgt Ion:149 Resp: 6463875

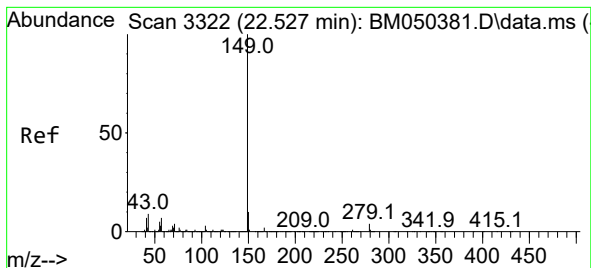
Ion Ratio Lower Upper

149 100

167 30.3 22.7 34.1

279 5.2 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 62.050 ng

RT: 22.521 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

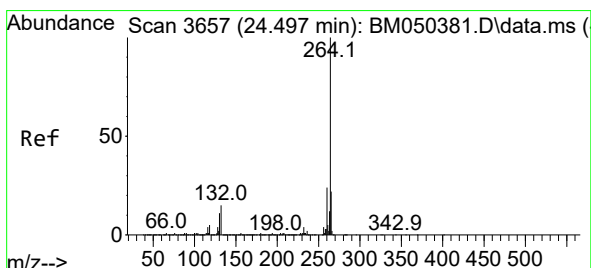
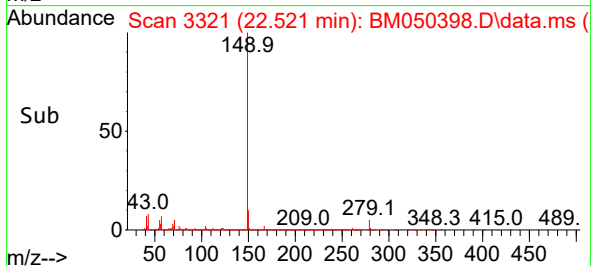
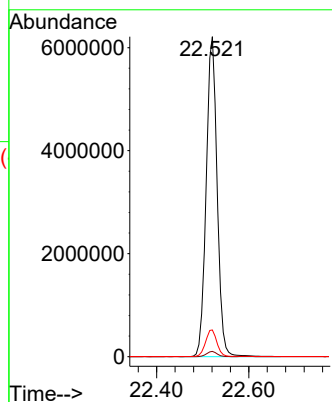
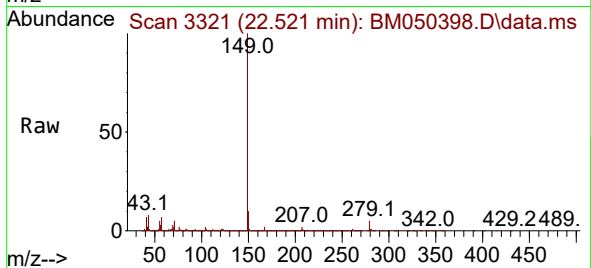
Tgt Ion:149 Resp:10297978

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.7 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.491 min Scan# 3656

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

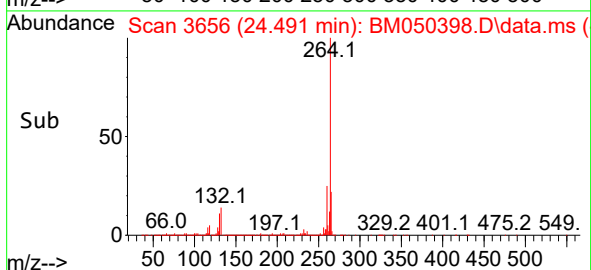
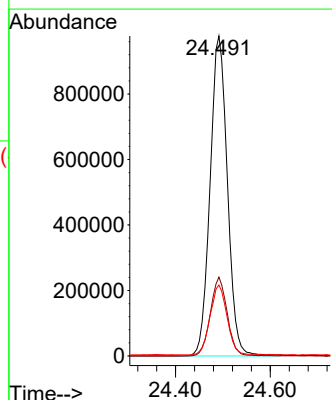
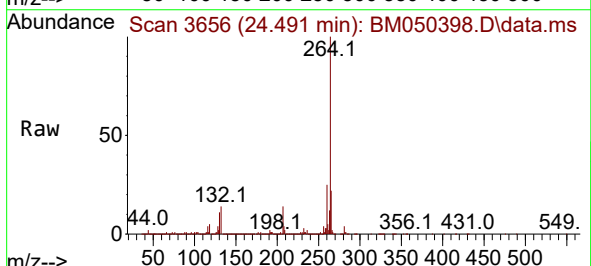
Tgt Ion:264 Resp: 2480587

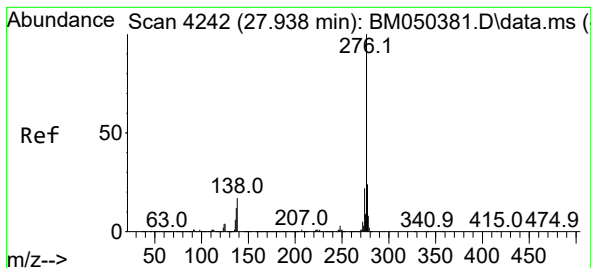
Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 22.2 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.182 ng

RT: 27.932 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

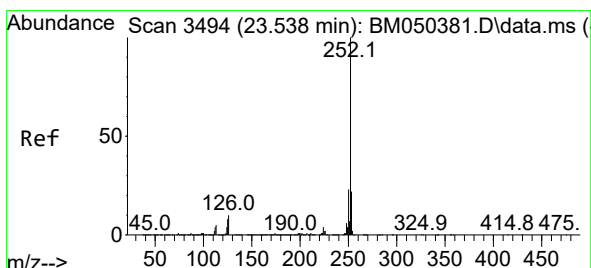
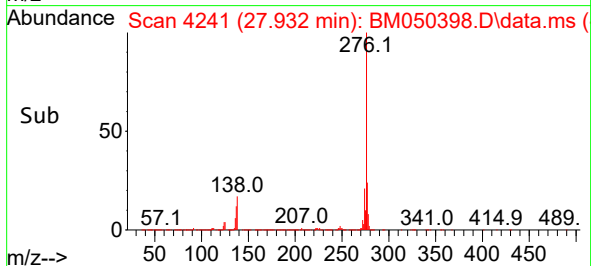
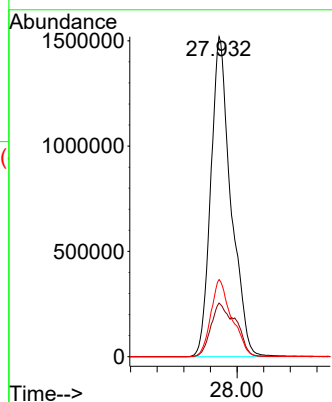
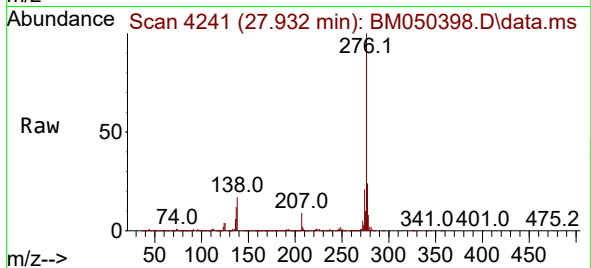
Tgt Ion:276 Resp: 7968564

Ion Ratio Lower Upper

276 100

138 14.1 17.0 25.6#

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 57.405 ng

RT: 23.533 min Scan# 3493

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

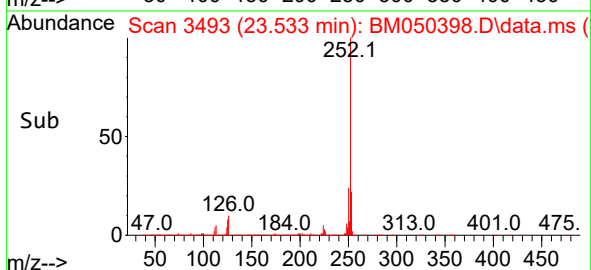
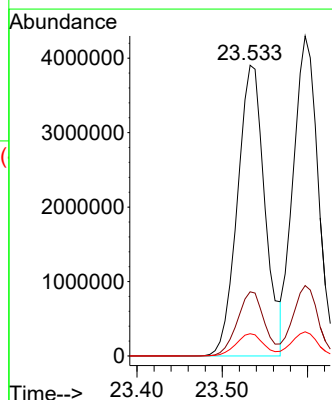
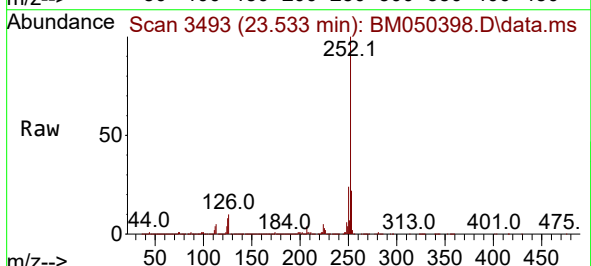
Tgt Ion:252 Resp: 8758935

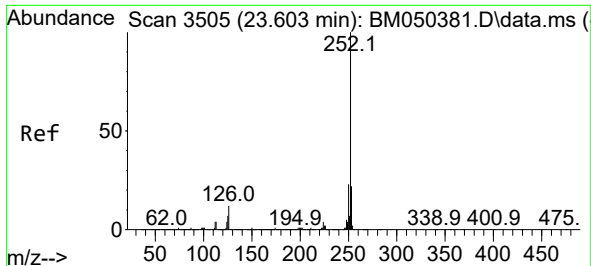
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 7.7 6.3 9.5

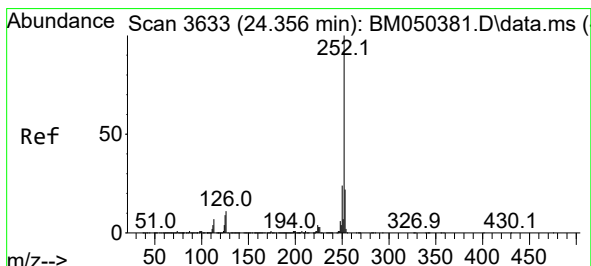
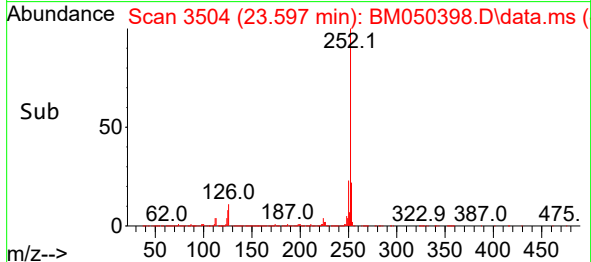
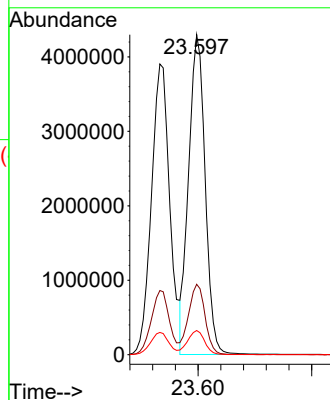
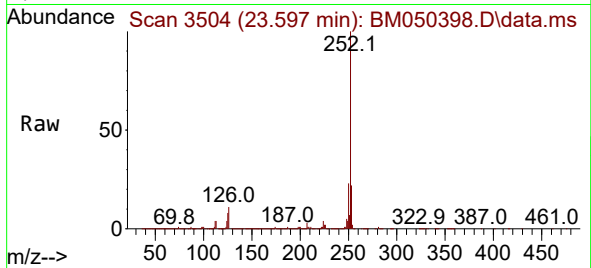




#89  
Benzo(k)fluoranthene  
Concen: 54.980 ng  
RT: 23.597 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

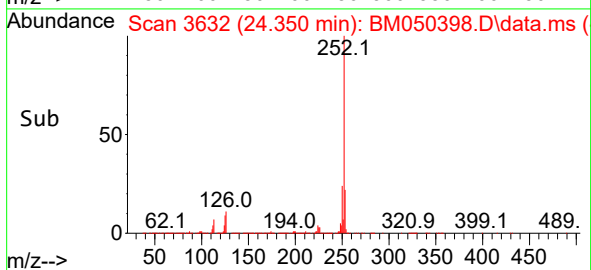
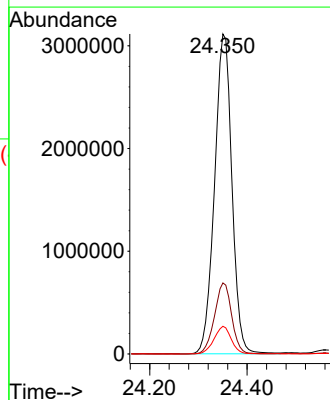
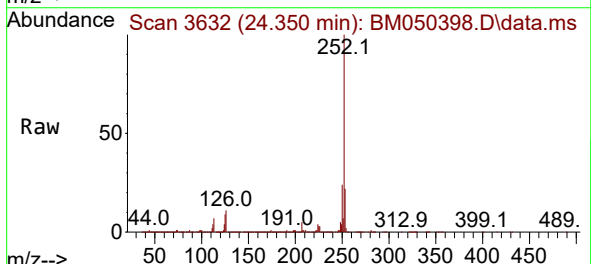
Instrument :  
BNA\_M  
ClientSampleId :  
G4(0-6)MS

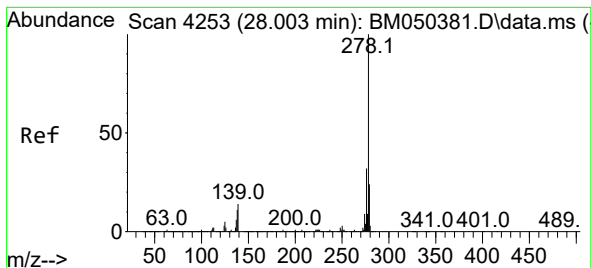
Tgt Ion:252 Resp: 8704573  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 7.5 6.2 9.2



#90  
Benzo(a)pyrene  
Concen: 54.014 ng  
RT: 24.350 min Scan# 3632  
Delta R.T. -0.006 min  
Lab File: BM050398.D  
Acq: 10 Jul 2025 20:39

Tgt Ion:252 Resp: 7714979  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.8 26.6  
125 8.7 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 45.300 ng

RT: 27.997 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Instrument :

BNA\_M

ClientSampleId :

G4(0-6)MS

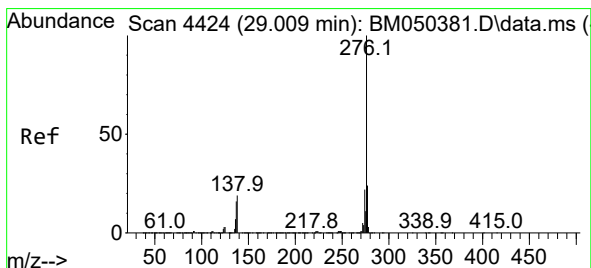
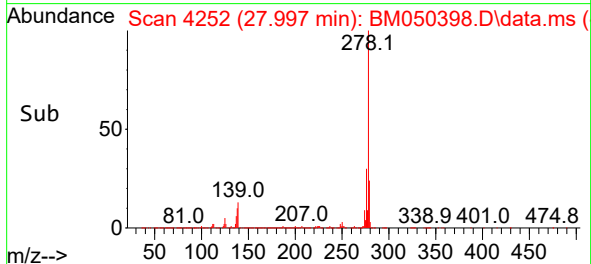
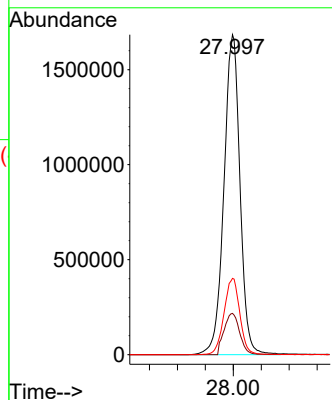
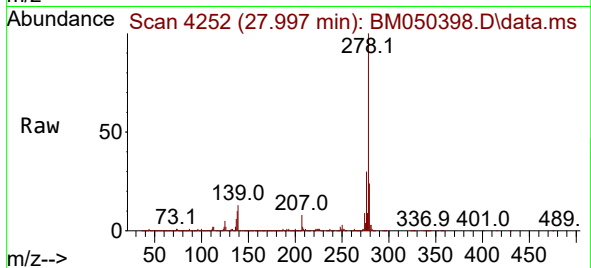
Tgt Ion:278 Resp: 6728546

Ion Ratio Lower Upper

278 100

139 12.9 10.8 16.2

279 23.9 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 44.072 ng

RT: 29.003 min Scan# 4423

Delta R.T. -0.006 min

Lab File: BM050398.D

Acq: 10 Jul 2025 20:39

Tgt Ion:276 Resp: 6186792

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 18.0 14.9 22.3

