

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080923\  
 Data File : BM041348.D  
 Acq On : 09 Aug 2023 20:24  
 Operator : MA/JU  
 Sample : 03919-02MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-38MSD

Quant Time: Aug 10 03:27:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 09 12:20:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.781  | 152  | 154869   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.587 | 136  | 610059   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.445 | 164  | 355651   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.210 | 188  | 686356   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.415 | 240  | 512001   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.780 | 264  | 567427   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.363  | 112  | 1127557  | 108.817 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.969  | 99   | 1319446  | 98.234  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.963  | 82   | 1045344  | 79.686  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.951 | 330  | 633480   | 125.928 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 2305466  | 81.889  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.845 | 244  | 2787803  | 98.447  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.269  | 88   | 147224   | 33.213  | ng    | # 42     |
| 3) Pyridine                   | 3.681  | 79   | 362965   | 31.142  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.587  | 42   | 216804   | 40.220  | ng    | 98       |
| 6) Aniline                    | 7.122  | 93   | 164842   | 10.487  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.351  | 128  | 486308   | 48.074  | ng    | 99       |
| 9) Benzaldehyde               | 6.934  | 77   | 159327   | 22.481  | ng    | 98       |
| 10) Phenol                    | 6.999  | 94   | 528438   | 40.735  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 7.222  | 93   | 496293   | 47.262  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.663  | 146  | 525826   | 47.753  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 7.816  | 146  | 537320   | 48.549  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.128  | 146  | 521601   | 49.152  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.046  | 79   | 462125   | 54.481  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.322  | 45   | 624656   | 44.646  | ng    | 95       |
| 17) 2-Methylphenol            | 8.245  | 107  | 406766   | 45.895  | ng    | 98       |
| 18) Hexachloroethane          | 8.845  | 117  | 207073   | 50.256  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 8.604  | 70   | 421320   | 51.643  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.581  | 107  | 534030   | 45.065  | ng    | 97       |
| 22) Acetophenone              | 8.622  | 105  | 767153   | 47.481  | ng    | # 100    |
| 24) Nitrobenzene              | 9.004  | 77   | 599446   | 45.186  | ng    | 100      |
| 25) Isophorone                | 9.528  | 82   | 1143744  | 51.362  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.710  | 139  | 274236   | 52.879  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 9.775  | 122  | 418077   | 45.813  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.010 | 93   | 664043   | 47.605  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.245 | 162  | 479051   | 52.054  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.451 | 180  | 533448   | 52.465  | ng    | 99       |
| 31) Naphthalene               | 10.639 | 128  | 1504202  | 45.437  | ng    | 100      |
| 32) Benzoic acid              | 9.951  | 122  | 166429   | 27.818  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.787 | 127  | 74233    | 5.611   | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.904 | 225  | 339202   | 55.469  | ng    | 99       |
| 35) Caprolactam               | 11.604 | 113  | 113401   | 42.596  | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 11.910 | 107  | 479101   | 49.462  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.257 | 142  | 1045285  | 46.834  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.475 | 142  | 999915   | 47.867  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 599312   | 51.896  | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 12.592 | 237  | 604786   | 98.989  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.880 | 196  | 397587   | 53.715  | ng    | 99       |

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 Sample : 03919-02MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

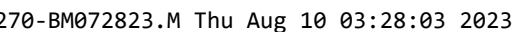
Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-38MSD

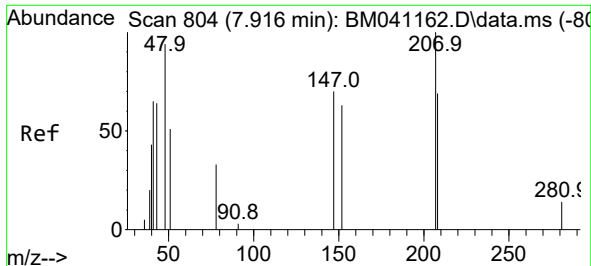
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 09 12:20:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.957 | 196  | 424736   | 49.578 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.275 | 154  | 1383738  | 47.993 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.322 | 162  | 1077340  | 50.043 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.551 | 65   | 309674   | 45.064 | ng    | 95       |
| 49) Acenaphthylene            | 14.169 | 152  | 1706995  | 49.125 | ng    | 99       |
| 50) Dimethylphthalate         | 13.922 | 163  | 1331134  | 49.757 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.051 | 165  | 285933   | 51.583 | ng    | 97       |
| 52) Acenaphthene              | 14.510 | 154  | 976414   | 46.644 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.386 | 138  | 147842   | 24.388 | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 14.598 | 184  | 214134   | 58.867 | ng    | 93       |
| 55) Dibenzofuran              | 14.851 | 168  | 1598418  | 46.801 | ng    | 100      |
| 56) 4-Nitrophenol             | 14.710 | 139  | 299765   | 64.887 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 14.845 | 165  | 375814   | 47.505 | ng    | 95       |
| 58) Fluorene                  | 15.504 | 166  | 1257838  | 46.684 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.086 | 232  | 361746   | 52.145 | ng    | 96       |
| 60) Diethylphthalate          | 15.286 | 149  | 1277291  | 49.371 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.498 | 204  | 677395   | 50.172 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.557 | 138  | 190130   | 33.528 | ng    | 94       |
| 63) Azobenzene                | 15.792 | 77   | 1290862  | 45.551 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 198  | 178009   | 42.812 | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 15.721 | 169  | 1047884  | 49.090 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.398 | 248  | 406066   | 53.960 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.504 | 284  | 468412   | 55.977 | ng    | 97       |
| 69) Atrazine                  | 16.686 | 200  | 373658   | 66.655 | ng    | 99       |
| 70) Pentachlorophenol         | 16.863 | 266  | 493836   | 85.226 | ng    | 100      |
| 71) Phenanthrene              | 17.251 | 178  | 1799668  | 47.193 | ng    | 100      |
| 72) Anthracene                | 17.345 | 178  | 1829999  | 48.521 | ng    | 100      |
| 73) Carbazole                 | 17.627 | 167  | 1544128  | 45.234 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.180 | 149  | 2014289  | 52.218 | ng    | 100      |
| 75) Fluoranthene              | 19.280 | 202  | 1929600  | 45.039 | ng    | 98       |
| 77) Benzidine                 | 19.480 | 184  | 260044   | 37.263 | ng    | 99       |
| 78) Pyrene                    | 19.639 | 202  | 1980827  | 55.323 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.545 | 149  | 766517   | 58.623 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.398 | 228  | 1751052  | 50.449 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 374380   | 33.055 | ng    | 100      |
| 83) Chrysene                  | 21.451 | 228  | 1610363  | 47.967 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.321 | 149  | 1084471  | 52.004 | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 22.233 | 149  | 1782234  | 53.932 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.233 | 276  | 2172794  | 52.083 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 23.062 | 252  | 1747437  | 51.839 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.109 | 252  | 1639137  | 47.538 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.674 | 252  | 1517425  | 46.850 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.244 | 278  | 1817798  | 52.241 | ng    | # 97     |
| 92) Benzo(g,h,i)perylene      | 26.985 | 276  | 1688002  | 49.577 | ng    | 96       |

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

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QLast Update : Wed Aug 09 12:20:12 2023  
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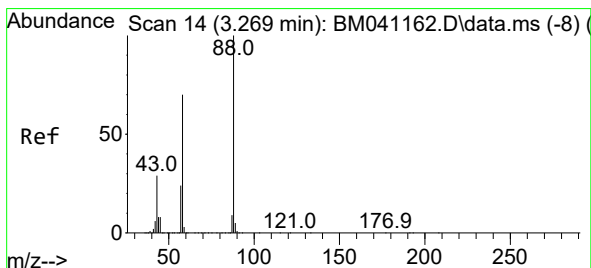
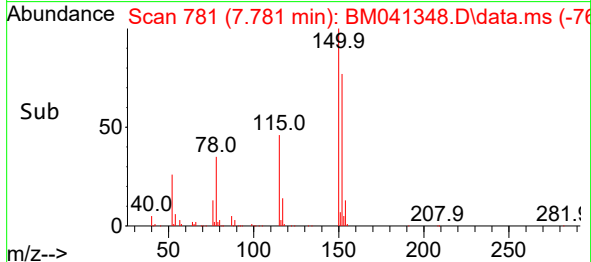
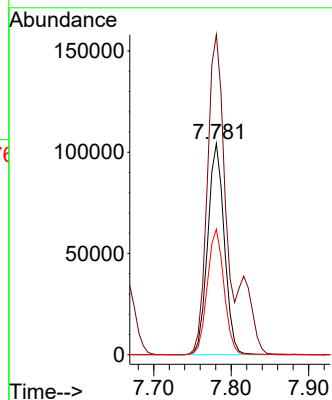
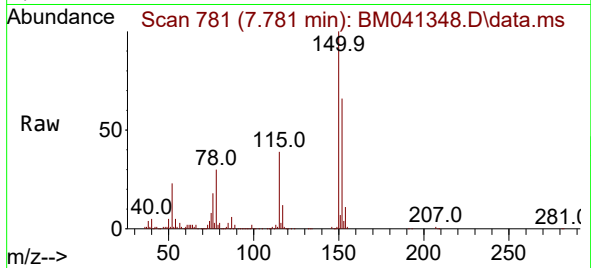




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.781 min Scan# 7  
 Delta R.T. 0.006 min  
 Lab File: BM041348.D  
 Acq: 09 Aug 2023 20:24

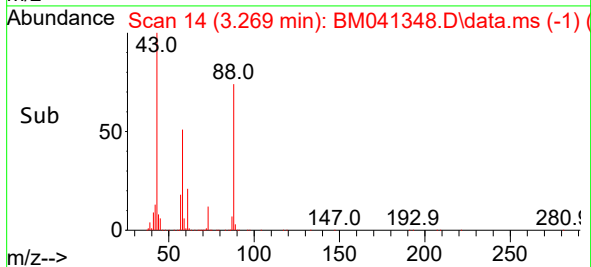
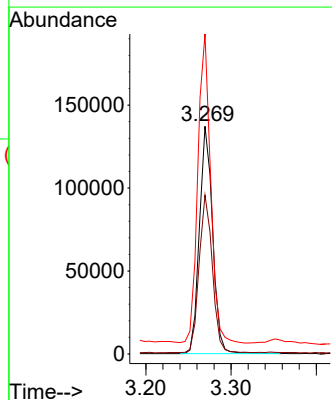
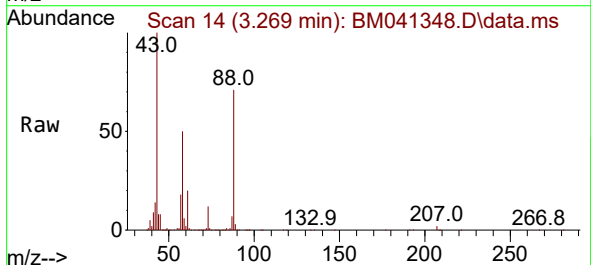
Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-38MSD

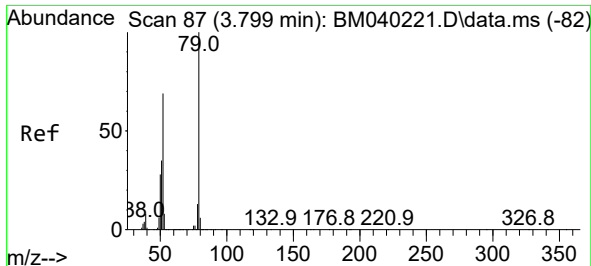
Tgt Ion:152 Resp: 154869  
 Ion Ratio Lower Upper  
 152 100  
 150 151.7 125.5 188.3  
 115 59.5 48.0 72.0



#2  
 1,4-Dioxane  
 Concen: 33.213 ng  
 RT: 3.269 min Scan# 14  
 Delta R.T. 0.012 min  
 Lab File: BM041348.D  
 Acq: 09 Aug 2023 20:24

Tgt Ion: 88 Resp: 147224  
 Ion Ratio Lower Upper  
 88 100  
 58 69.5 58.2 87.4  
 43 132.6 24.4 36.6

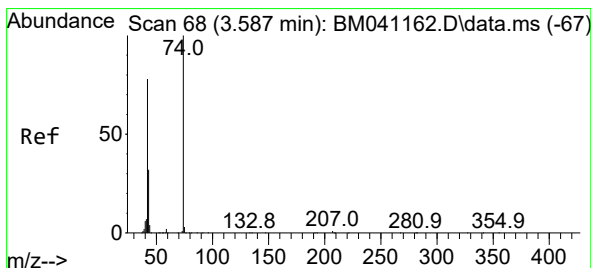
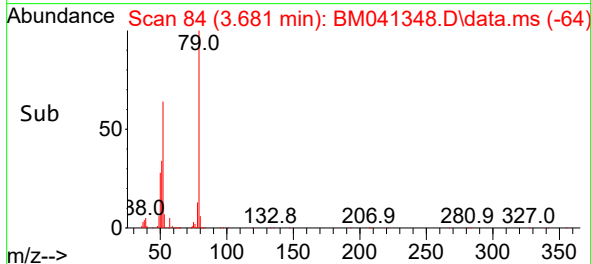
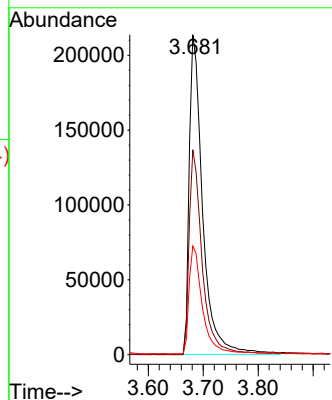
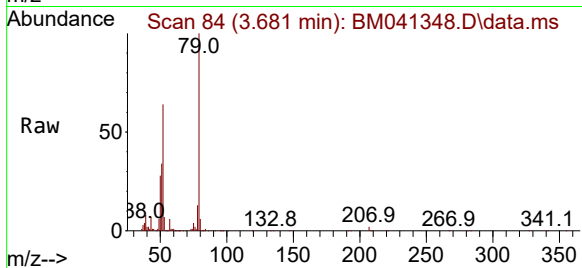




#3  
 Pyridine  
 Concen: 31.142 ng  
 RT: 3.681 min Scan# 84  
 Delta R.T. 0.018 min  
 Lab File: BM041348.D  
 Acq: 09 Aug 2023 20:24

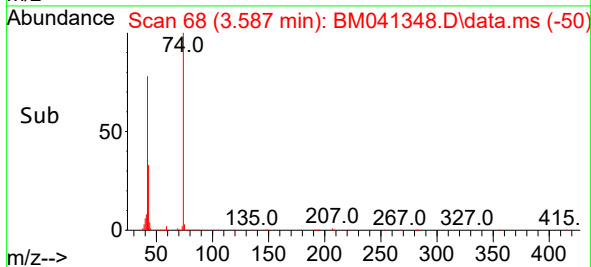
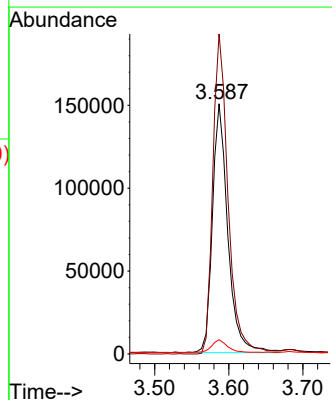
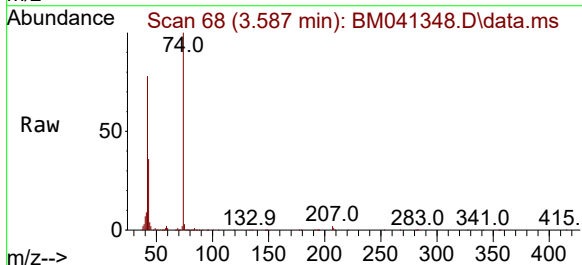
Instrument :  
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 ClientSampleId :  
 TP-38MSD

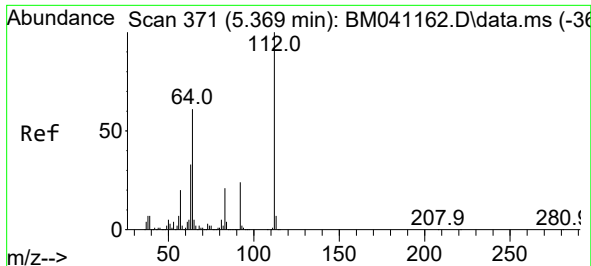
Tgt Ion: 79 Resp: 362965  
 Ion Ratio Lower Upper  
 79 100  
 52 64.1 52.1 78.1  
 51 34.0 27.5 41.3



#4  
 n-Nitrosodimethylamine  
 Concen: 40.220 ng  
 RT: 3.587 min Scan# 68  
 Delta R.T. 0.006 min  
 Lab File: BM041348.D  
 Acq: 09 Aug 2023 20:24

Tgt Ion: 42 Resp: 216804  
 Ion Ratio Lower Upper  
 42 100  
 74 127.9 100.8 151.2  
 44 5.7 5.0 7.4

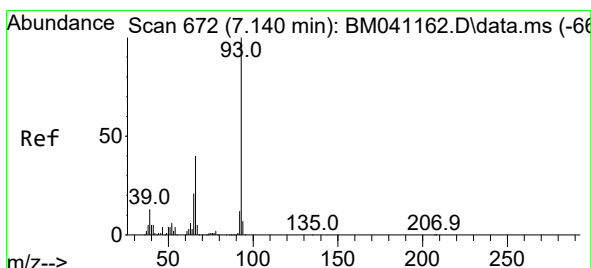
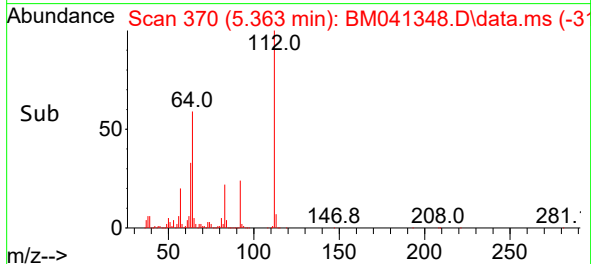
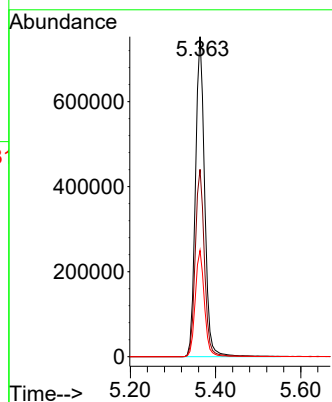
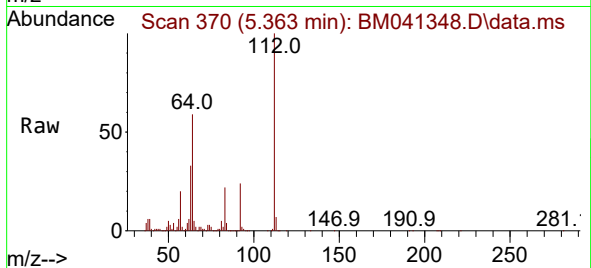




#5  
2-Fluorophenol  
Concen: 108.817 ng  
RT: 5.363 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

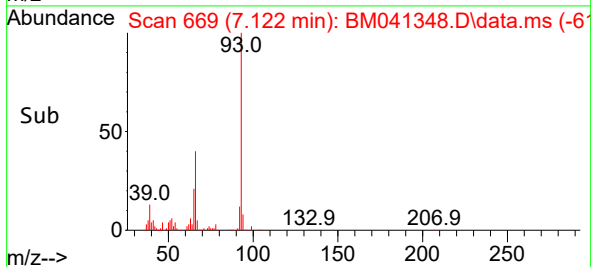
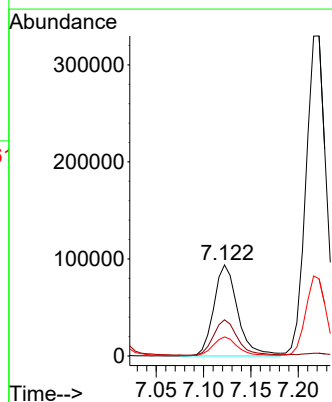
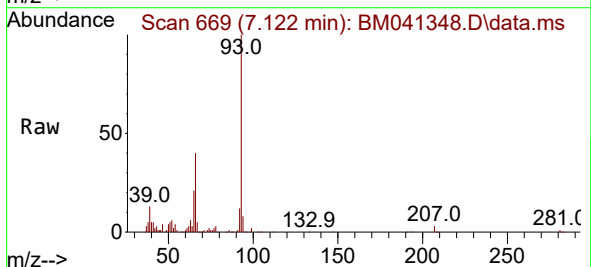
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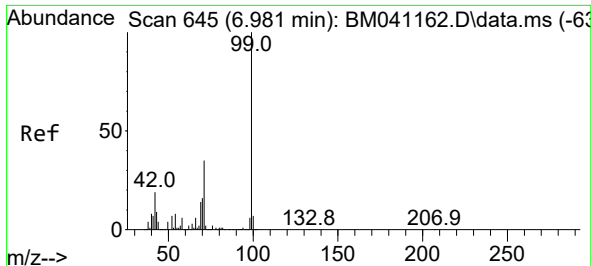
Tgt Ion:112 Resp: 1127557  
Ion Ratio Lower Upper  
112 100  
64 58.6 48.5 72.7  
63 33.2 26.5 39.7



#6  
Aniline  
Concen: 10.487 ng  
RT: 7.122 min Scan# 669  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion: 93 Resp: 164842  
Ion Ratio Lower Upper  
93 100  
66 39.6 32.0 48.0  
65 20.9 16.6 24.8

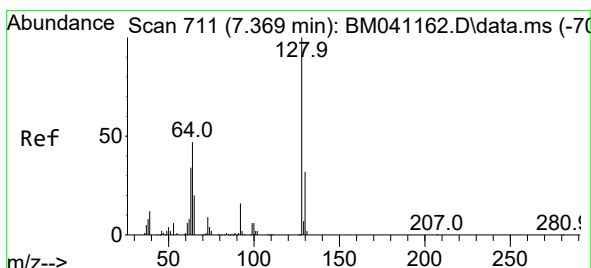
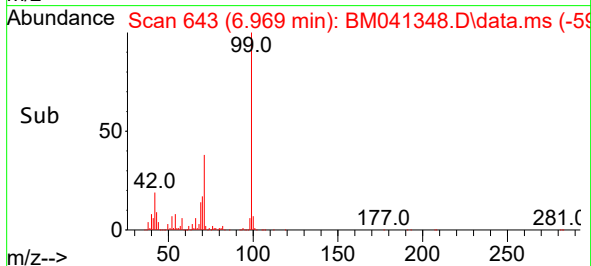
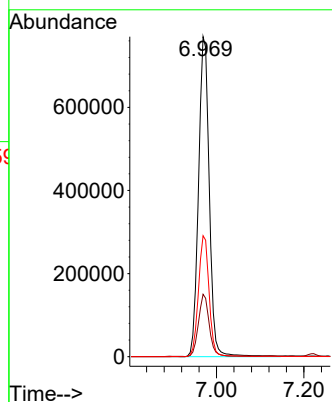
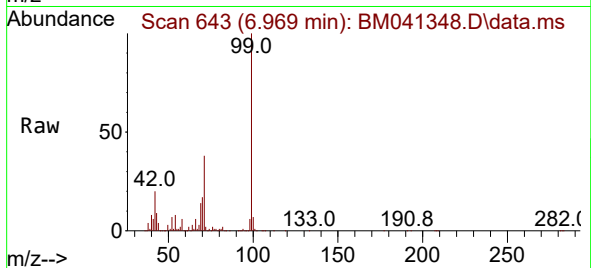




#7  
Phenol-d6  
Concen: 98.234 ng  
RT: 6.969 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

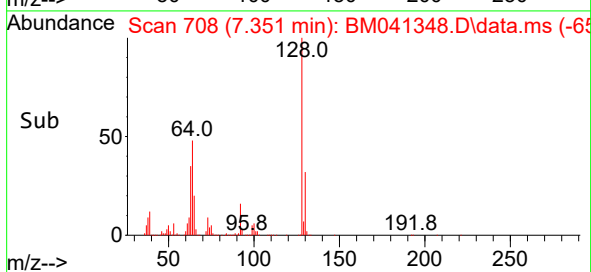
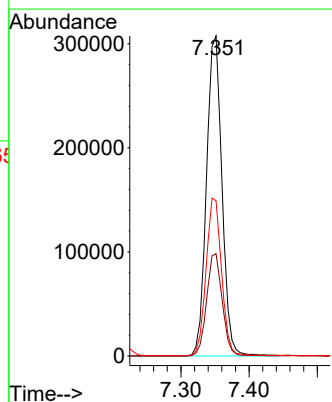
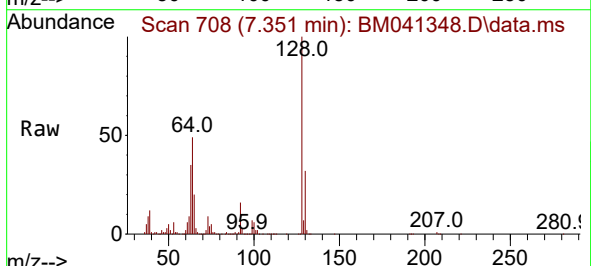
Instrument :  
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ClientSampleId :  
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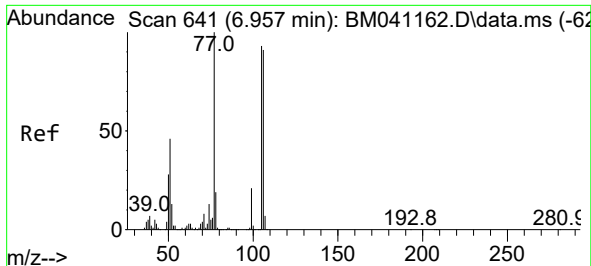
Tgt Ion: 99 Resp: 1319446  
Ion Ratio Lower Upper  
99 100  
42 19.5 15.4 23.0  
71 37.8 28.2 42.4



#8  
2-Chlorophenol  
Concen: 48.074 ng  
RT: 7.351 min Scan# 708  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion: 128 Resp: 486308  
Ion Ratio Lower Upper  
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130 31.9 12.3 52.3  
64 48.5 29.3 69.3

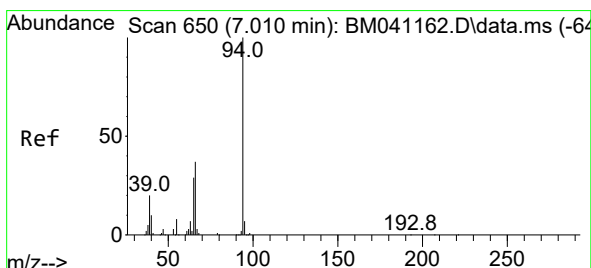
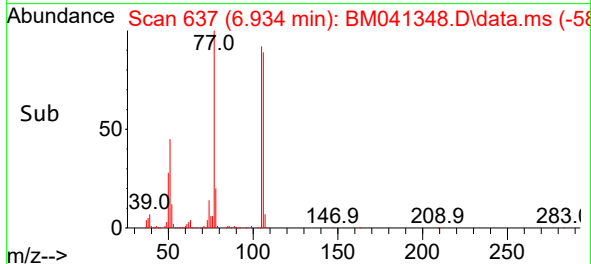
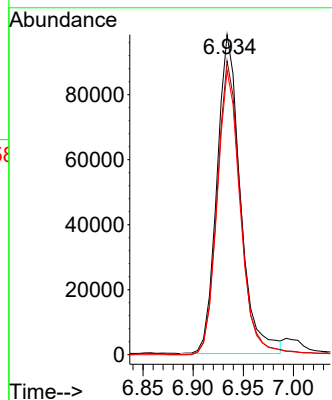
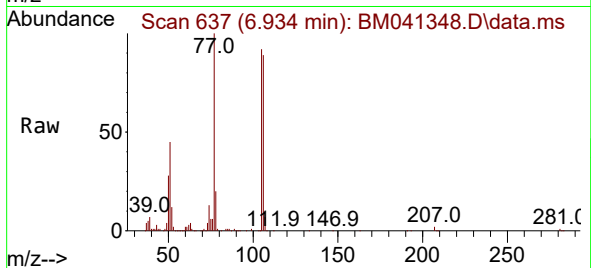




#9  
Benzaldehyde  
Concen: 22.481 ng  
RT: 6.934 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

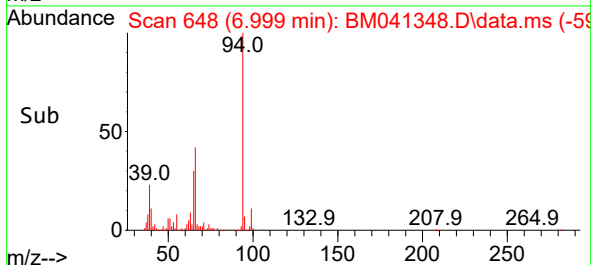
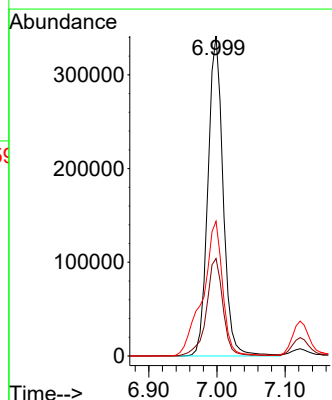
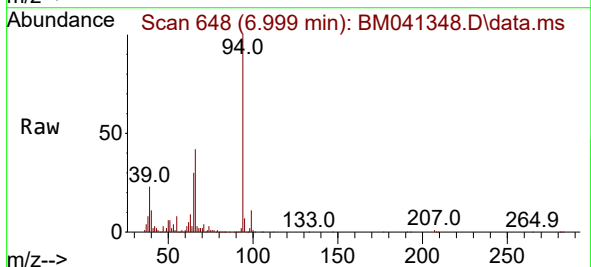
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

Tgt Ion: 77 Resp: 159327  
Ion Ratio Lower Upper  
77 100  
105 91.8 72.8 112.8  
106 88.8 70.8 110.8

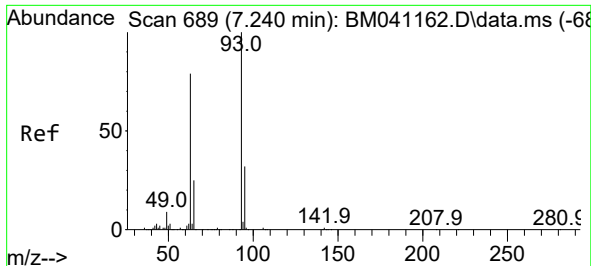


#10  
Phenol  
Concen: 40.735 ng  
RT: 6.999 min Scan# 648  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion: 94 Resp: 528438  
Ion Ratio Lower Upper  
94 100  
65 30.5 9.5 49.5  
66 42.1 18.0 58.0



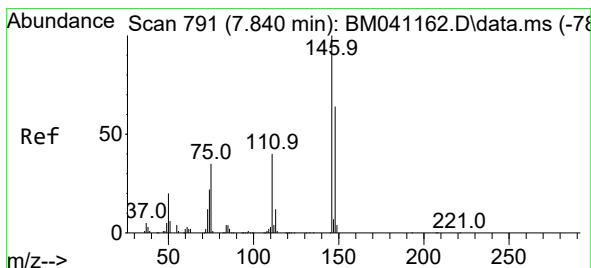
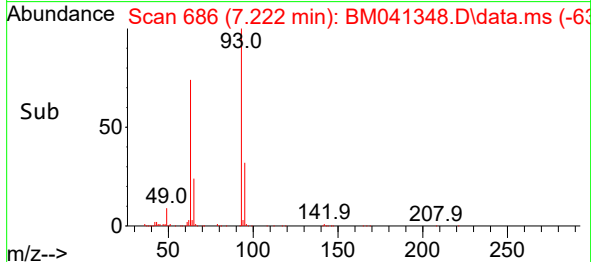
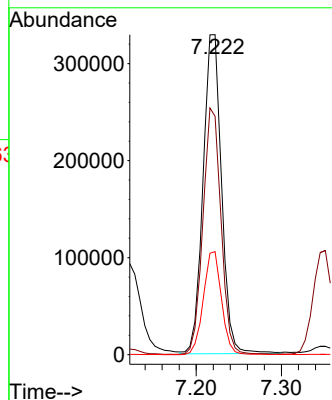
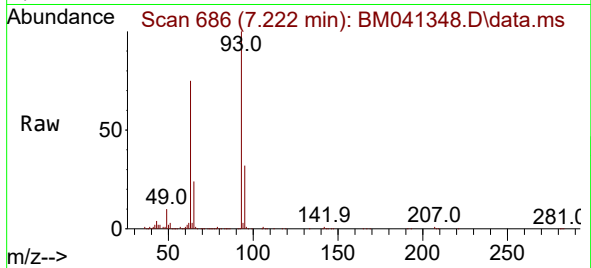




#11  
bis(2-Chloroethyl)ether  
Concen: 47.262 ng  
RT: 7.222 min Scan# 686  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

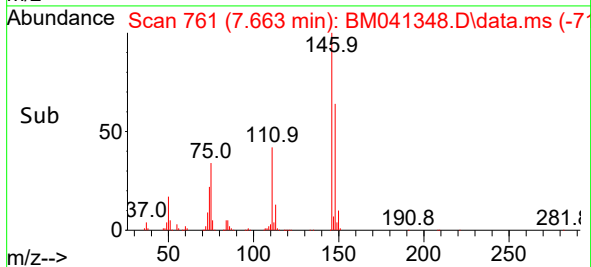
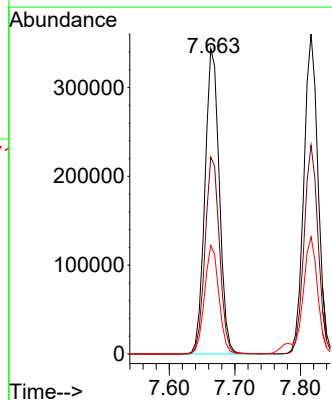
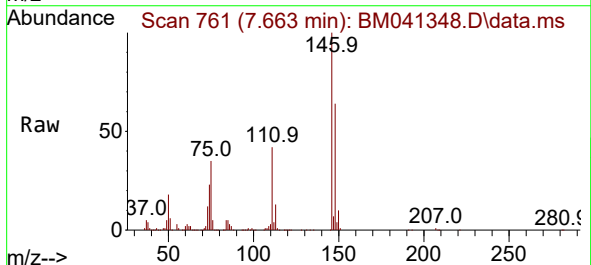
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

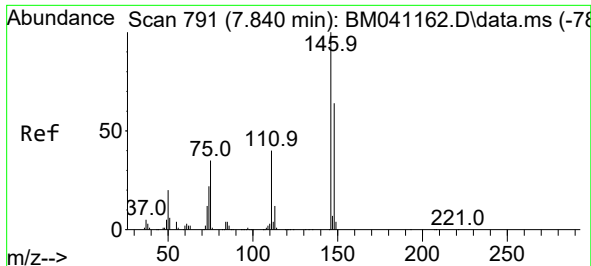
Tgt Ion: 93 Resp: 496293  
Ion Ratio Lower Upper  
93 100  
63 74.5 58.8 98.8  
95 32.2 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 47.753 ng  
RT: 7.663 min Scan# 761  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion: 146 Resp: 525826  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.9 77.9  
75 35.5 28.3 42.5

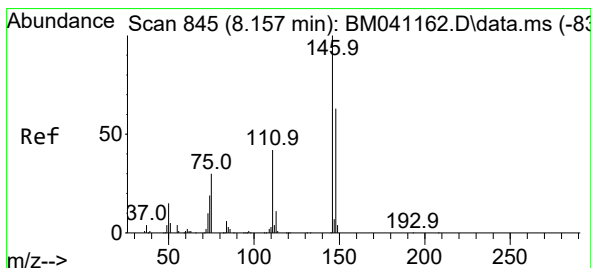
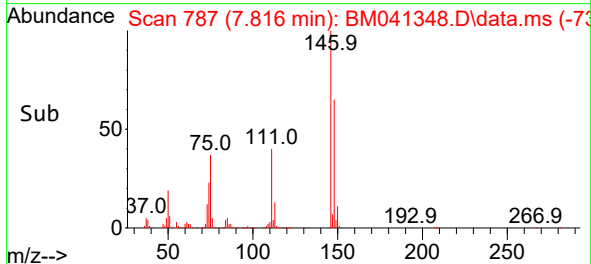
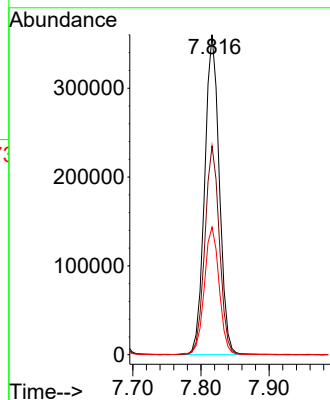
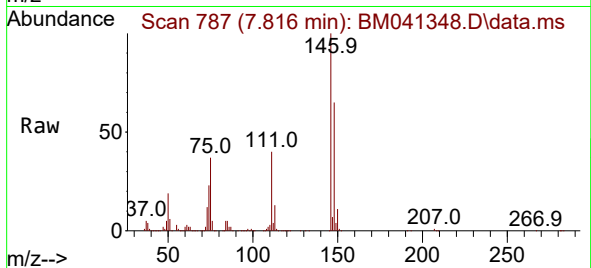




#13  
1,4-Dichlorobenzene  
Concen: 48.549 ng  
RT: 7.816 min Scan# 791  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

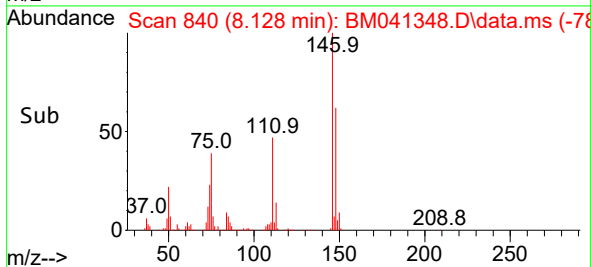
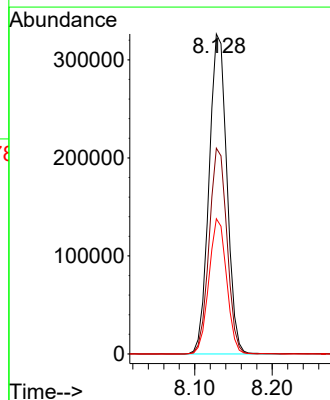
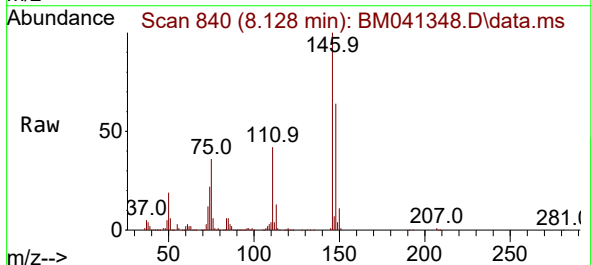
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

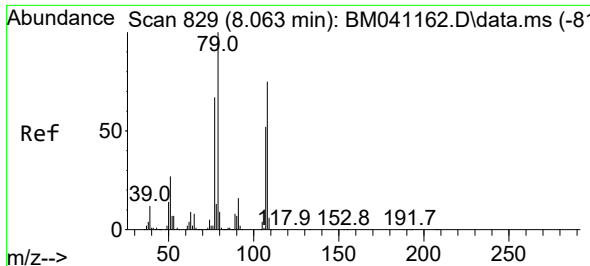
Tgt Ion:146 Resp: 537320  
Ion Ratio Lower Upper  
146 100  
148 65.3 51.4 77.0  
111 39.8 32.4 48.6



#14  
1,2-Dichlorobenzene  
Concen: 49.152 ng  
RT: 8.128 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:146 Resp: 521601  
Ion Ratio Lower Upper  
146 100  
148 64.3 50.9 76.3  
111 42.3 33.8 50.6

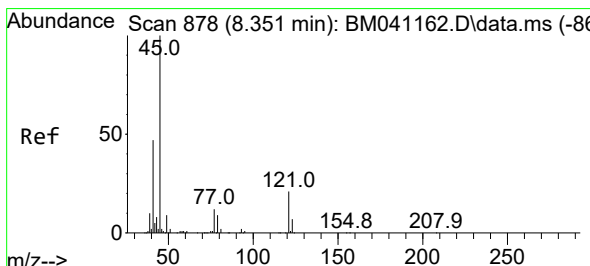
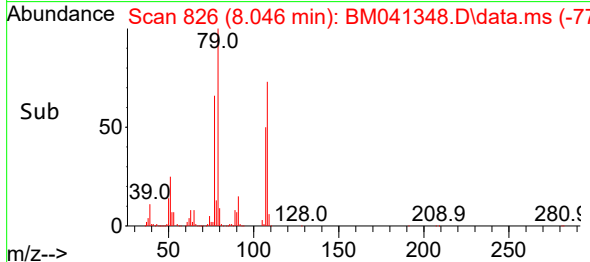
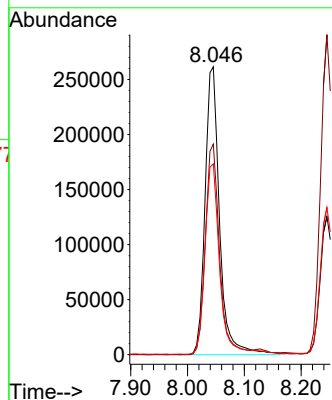
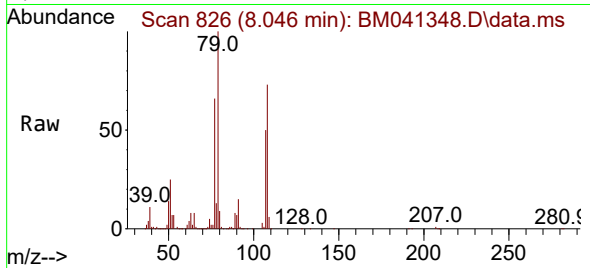




#15  
Benzyl Alcohol  
Concen: 54.481 ng  
RT: 8.046 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

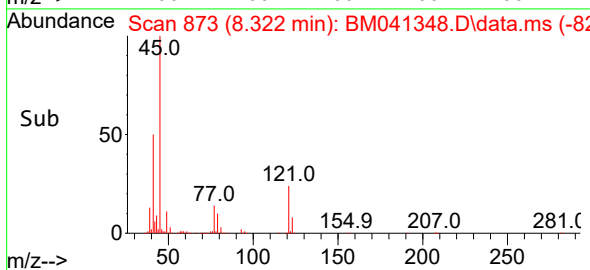
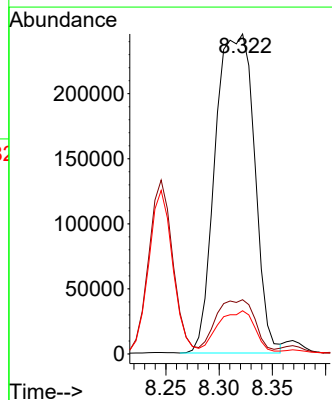
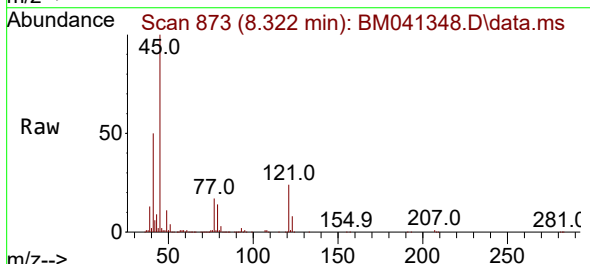
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

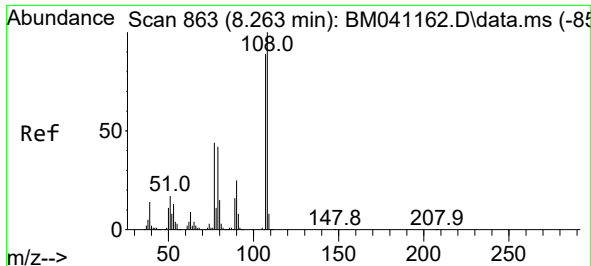
Tgt Ion: 79 Resp: 462125  
Ion Ratio Lower Upper  
79 100  
108 73.1 59.8 89.8  
77 66.3 53.8 80.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.646 ng  
RT: 8.322 min Scan# 873  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion: 45 Resp: 624656  
Ion Ratio Lower Upper  
45 100  
77 16.9 0.0 34.5  
79 13.5 0.0 32.1

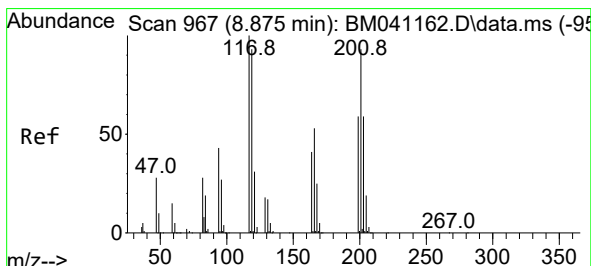
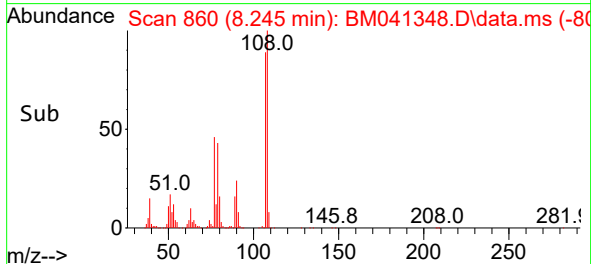
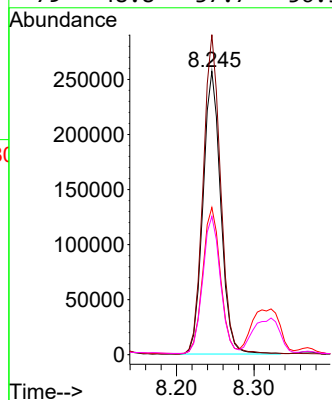
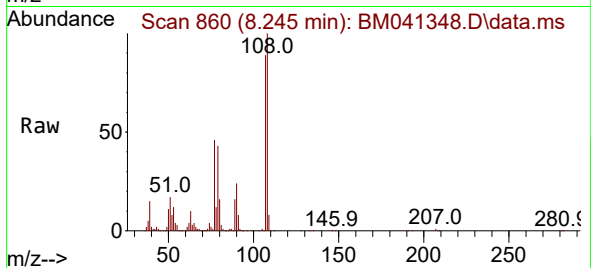




#17  
2-Methylphenol  
Concen: 45.895 ng  
RT: 8.245 min Scan# 860  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

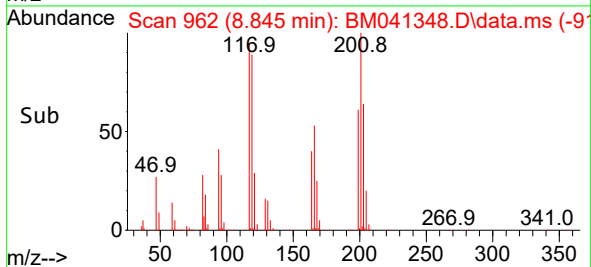
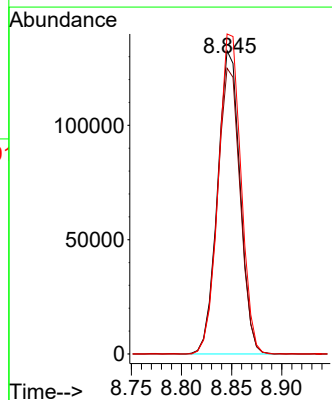
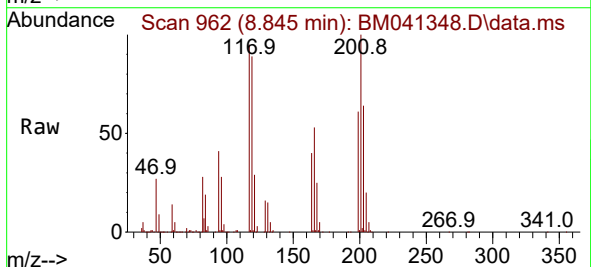
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

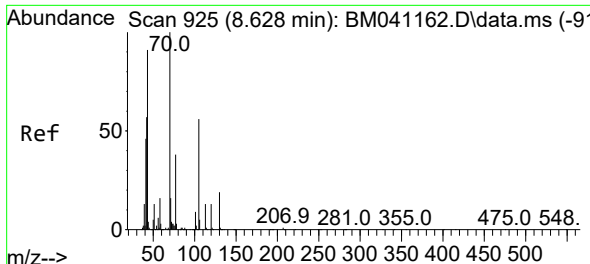
Tgt Ion:107 Resp: 406766  
Ion Ratio Lower Upper  
107 100  
108 112.9 89.9 134.9  
77 52.0 39.8 59.8  
79 48.8 37.7 56.5



#18  
Hexachloroethane  
Concen: 50.256 ng  
RT: 8.845 min Scan# 962  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:117 Resp: 207073  
Ion Ratio Lower Upper  
117 100  
119 94.3 74.2 111.4  
201 105.6 74.5 111.7





#19

n-Nitroso-di-n-propylamine

Concen: 51.643 ng

RT: 8.604 min Scan# 91

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

BNA\_M

ClientSampleId :

TP-38MSD

Tgt Ion: 70 Resp: 421320

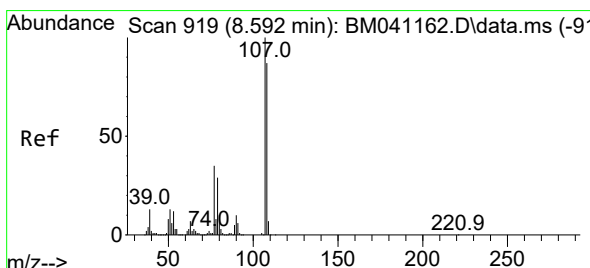
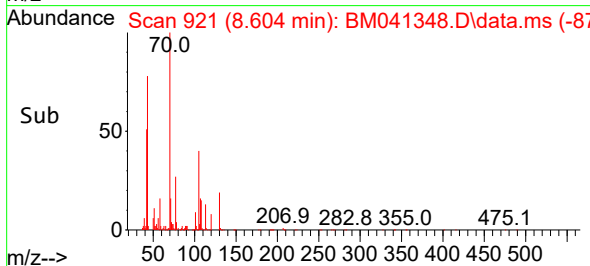
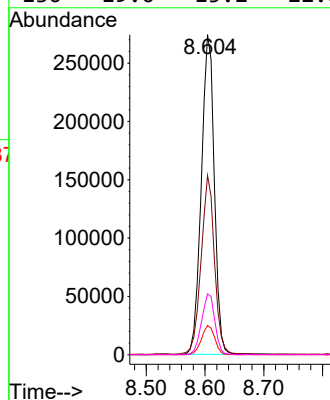
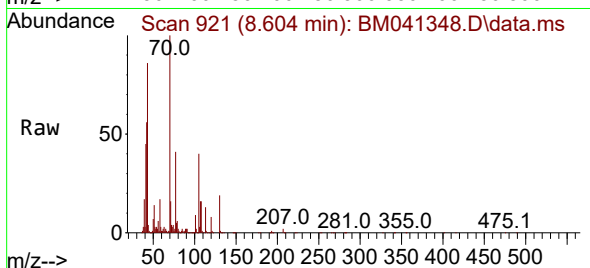
Ion Ratio Lower Upper

70 100

42 56.0 45.8 68.8

101 9.1 7.4 11.0

130 19.0 15.2 22.8



#20

3+4-Methylphenols

Concen: 45.065 ng

RT: 8.581 min Scan# 917

Delta R.T. 0.006 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Tgt Ion:107 Resp: 534030

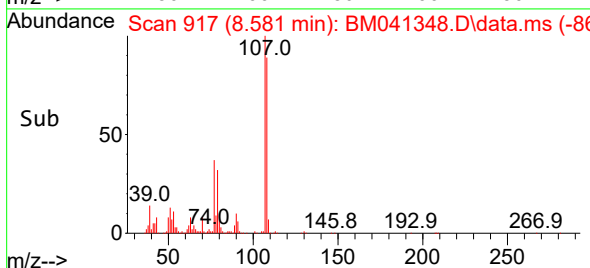
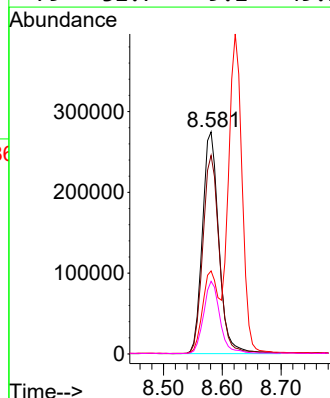
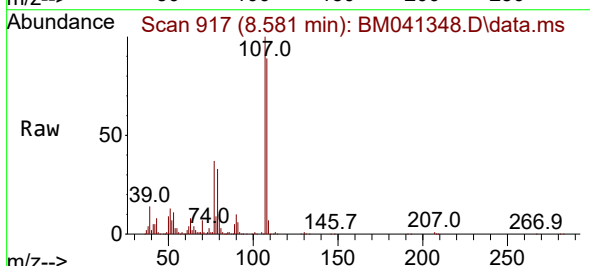
Ion Ratio Lower Upper

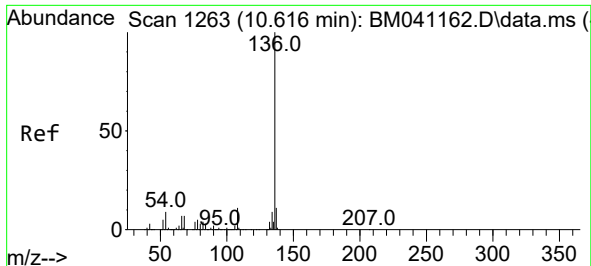
107 100

108 89.4 67.2 107.2

77 37.4 15.4 55.4

79 32.7 9.2 49.2

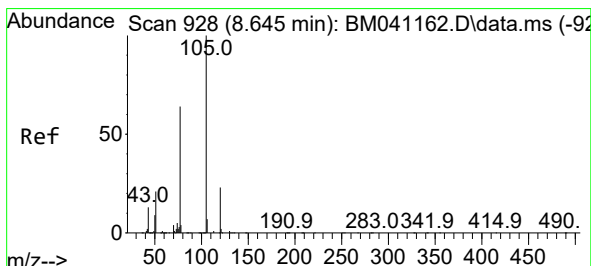
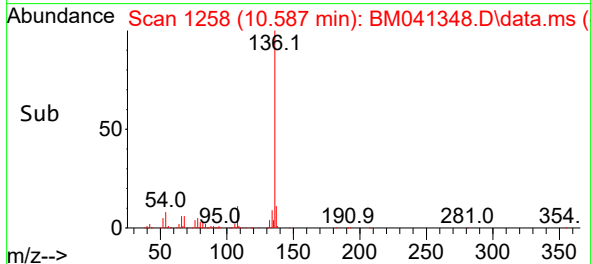
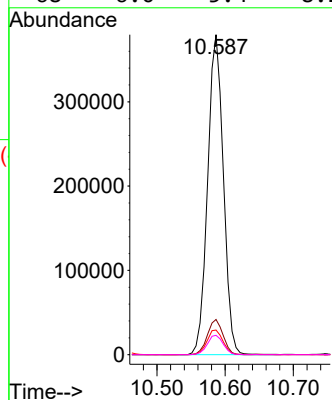
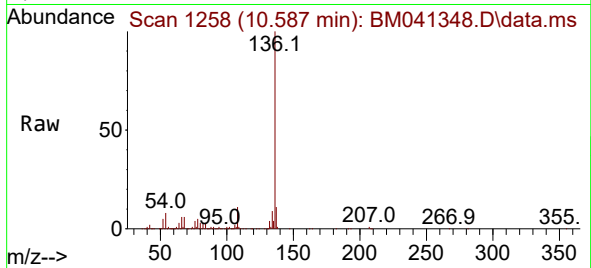




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.587 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

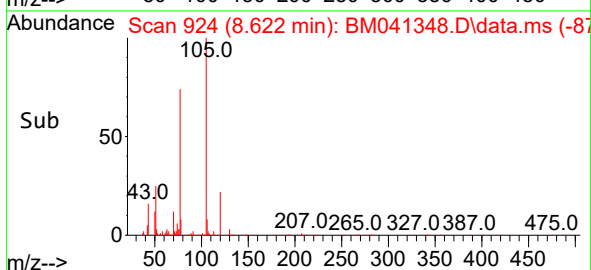
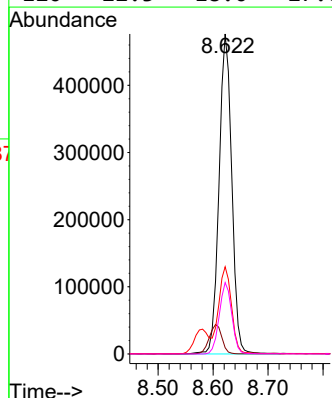
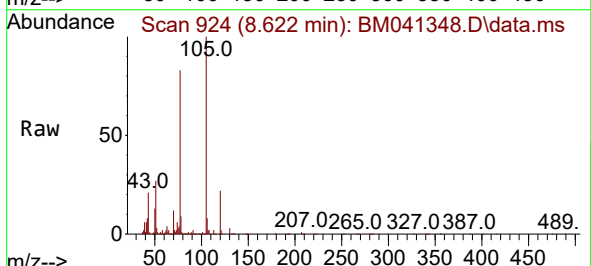
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

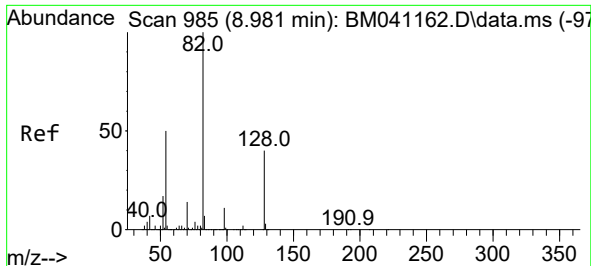
Tgt Ion:136 Resp: 610059  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 7.7 6.9 10.3  
68 6.0 5.4 8.2



#22  
Acetophenone  
Concen: 47.481 ng  
RT: 8.622 min Scan# 924  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:105 Resp: 767153  
Ion Ratio Lower Upper  
105 100  
71 1.9 1.2 1.8#  
51 27.2 22.0 33.0  
120 22.3 18.0 27.0





#23

Nitrobenzene-d5

Concen: 79.686 ng

RT: 8.963 min Scan# 985

Delta R.T. 0.006 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

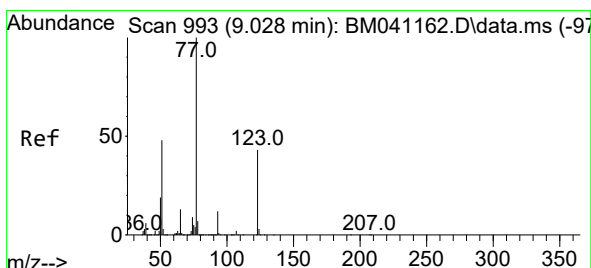
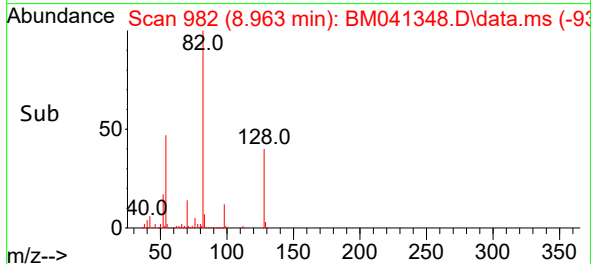
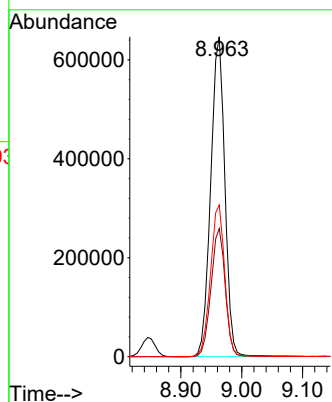
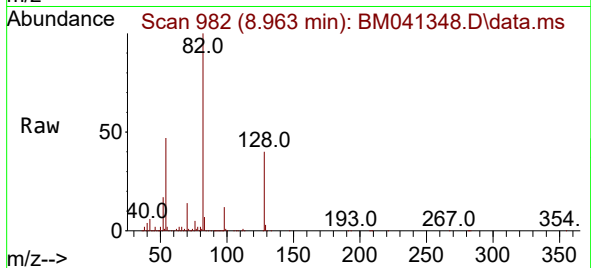
BNA\_M

ClientSampleId :

TP-38MSD

Tgt Ion: 82 Resp: 1045344

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 40.1  | 31.8  | 47.6  |
| 54  | 47.4  | 40.1  | 60.1  |



#24

Nitrobenzene

Concen: 45.186 ng

RT: 9.004 min Scan# 989

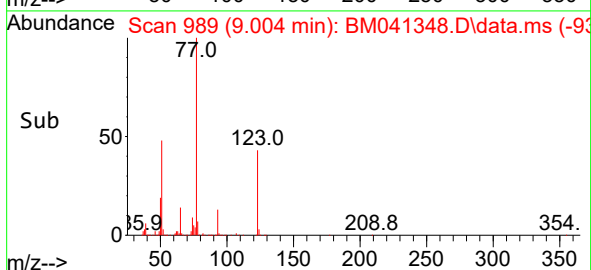
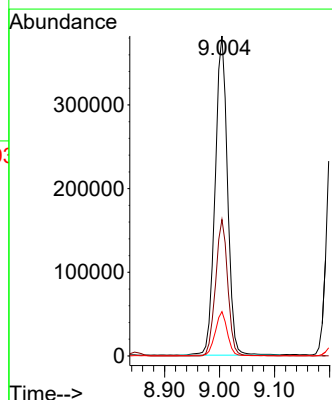
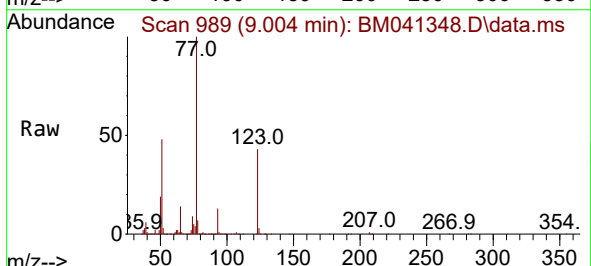
Delta R.T. 0.006 min

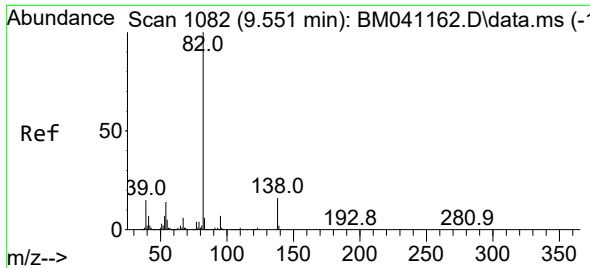
Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Tgt Ion: 77 Resp: 599446

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 42.7  | 34.2  | 51.2  |
| 65  | 13.9  | 10.7  | 16.1  |

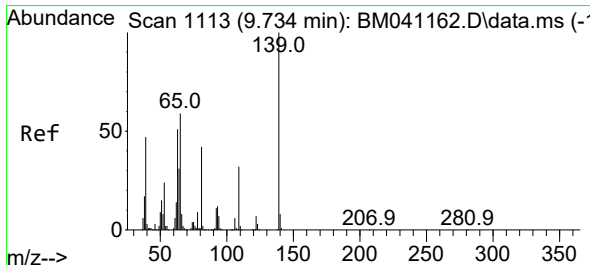
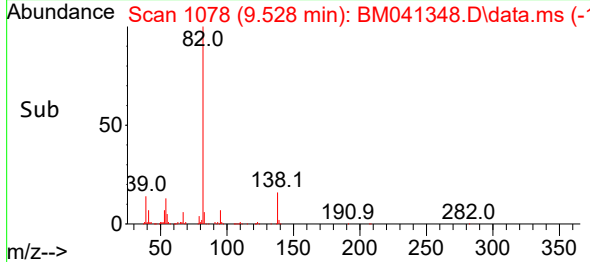
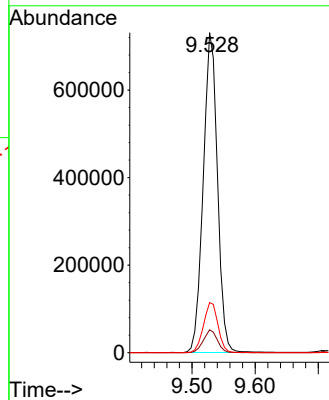
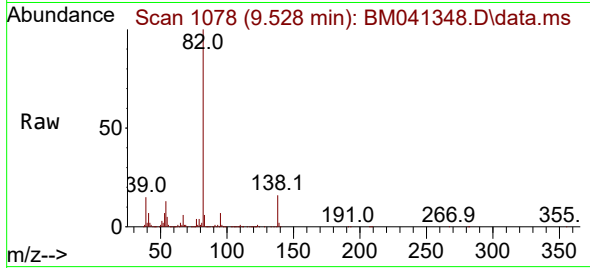




#25  
Isophorone  
Concen: 51.362 ng  
RT: 9.528 min Scan# 1107  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

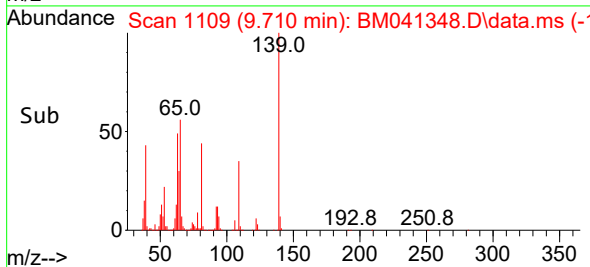
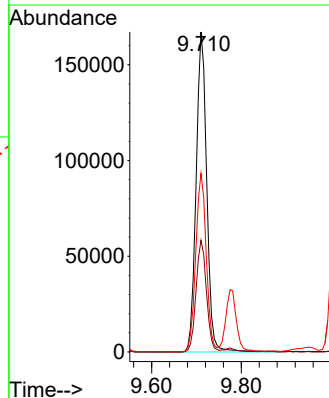
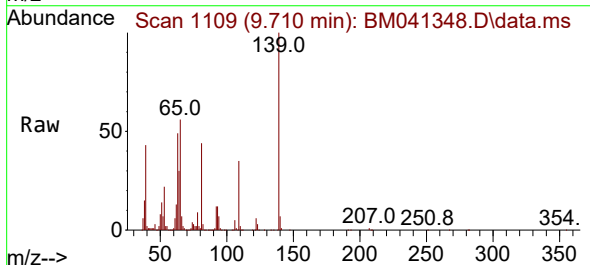
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

Tgt Ion: 82 Resp: 1143744  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.3 7.9  
138 15.7 12.8 19.2

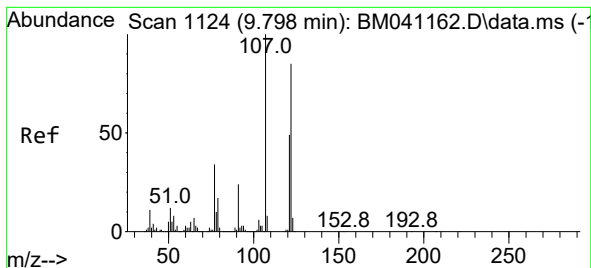


#26  
2-Nitrophenol  
Concen: 52.879 ng  
RT: 9.710 min Scan# 1109  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion: 139 Resp: 274236  
Ion Ratio Lower Upper  
139 100  
109 34.9 25.4 38.2  
65 55.8 47.2 70.8



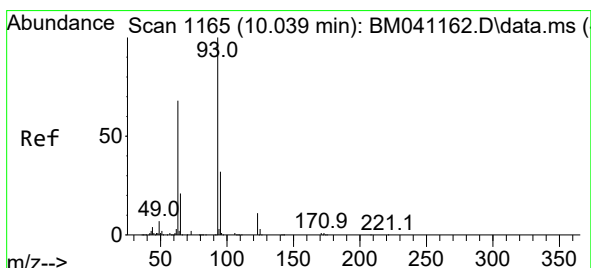
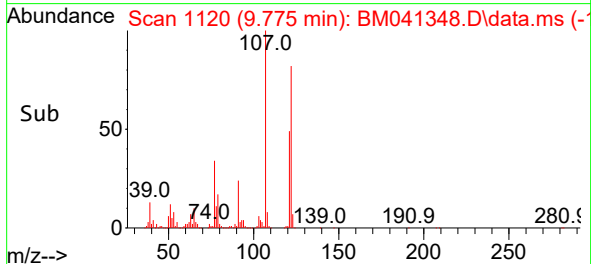
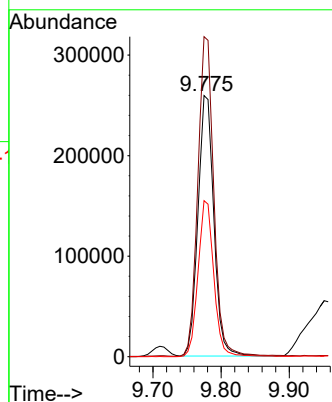
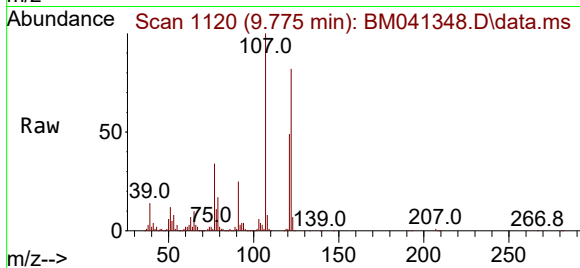




#27  
2,4-Dimethylphenol  
Concen: 45.813 ng  
RT: 9.775 min Scan# 1120  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

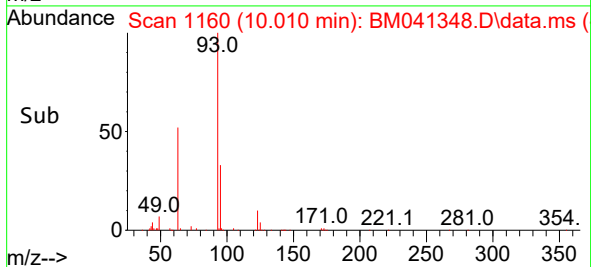
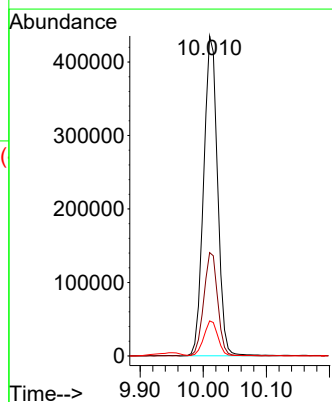
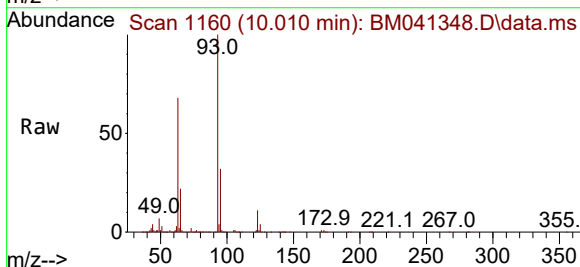
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

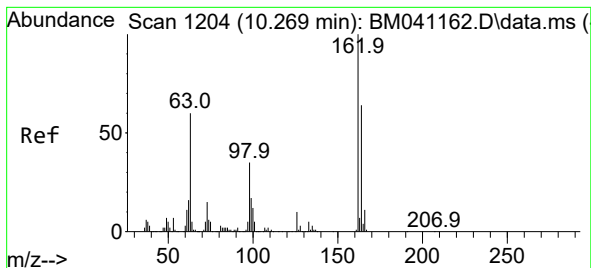
Tgt Ion:122 Resp: 418077  
Ion Ratio Lower Upper  
122 100  
107 122.5 94.3 141.5  
121 59.7 45.8 68.8



#28  
bis(2-Chloroethoxy)methane  
Concen: 47.605 ng  
RT: 10.010 min Scan# 1160  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion: 93 Resp: 664043  
Ion Ratio Lower Upper  
93 100  
95 32.3 25.9 38.9  
123 11.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 52.054 ng

RT: 10.245 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

BNA\_M

ClientSampleId :

TP-38MSD

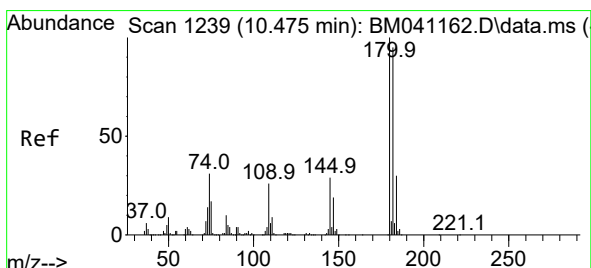
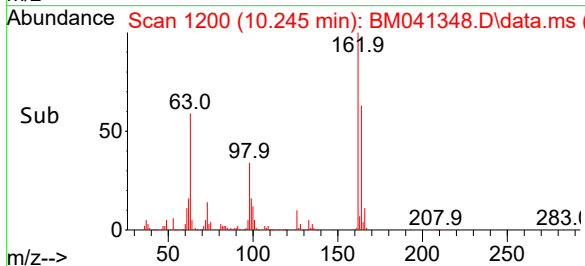
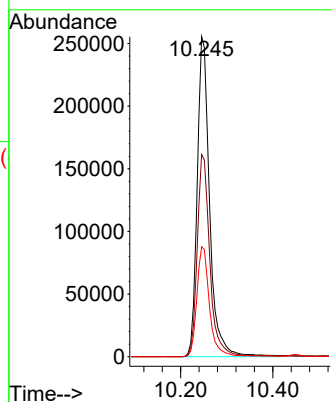
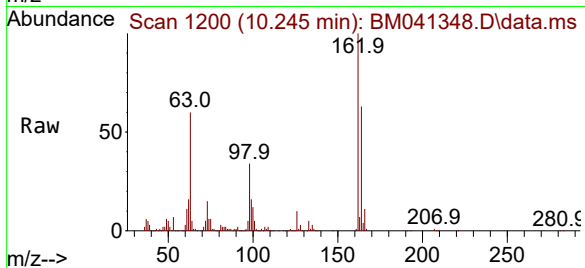
Tgt Ion:162 Resp: 479051

Ion Ratio Lower Upper

162 100

164 63.2 44.3 84.3

98 34.4 15.1 55.1



#30

1,2,4-Trichlorobenzene

Concen: 52.465 ng

RT: 10.451 min Scan# 1235

Delta R.T. 0.006 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

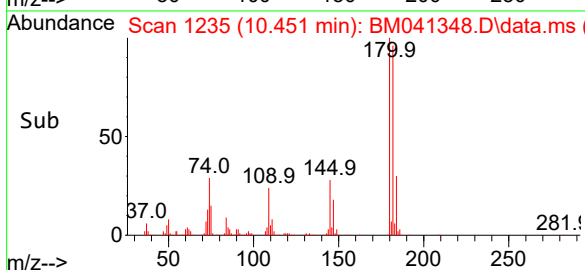
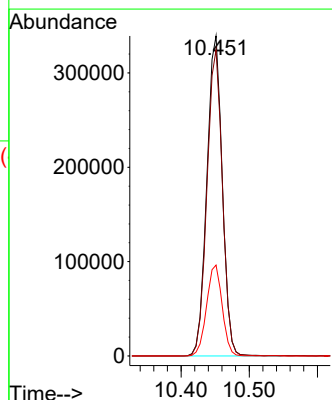
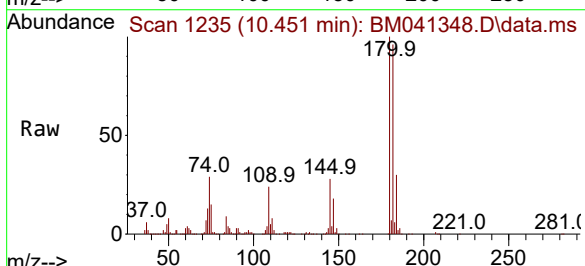
Tgt Ion:180 Resp: 533448

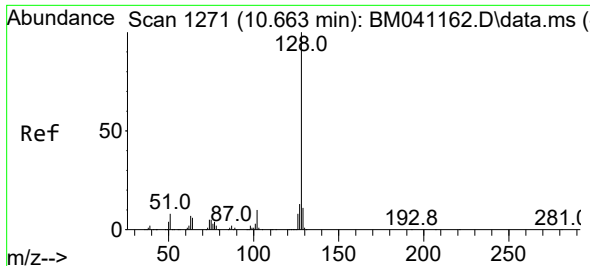
Ion Ratio Lower Upper

180 100

182 95.7 75.9 113.9

145 28.4 23.6 35.4

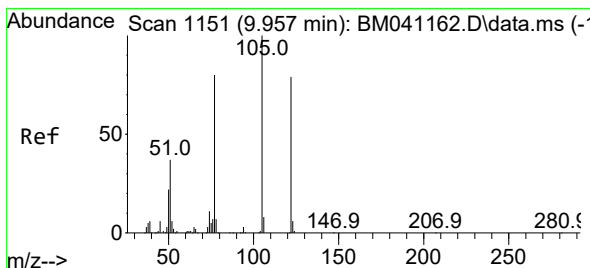
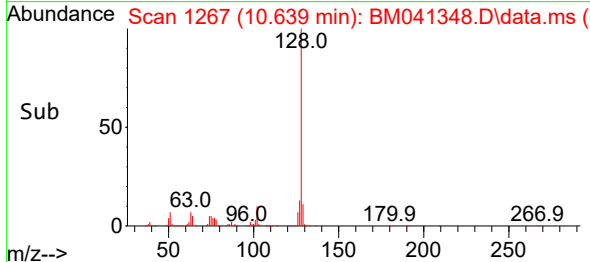
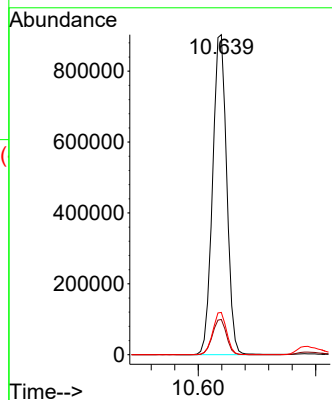
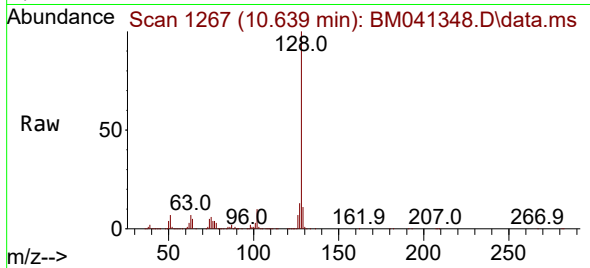




#31  
Naphthalene  
Concen: 45.437 ng  
RT: 10.639 min Scan# 1150  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

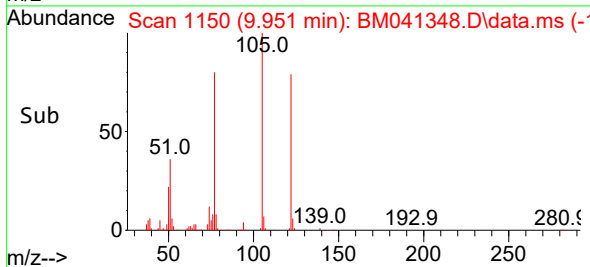
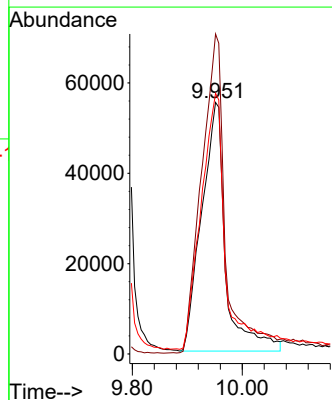
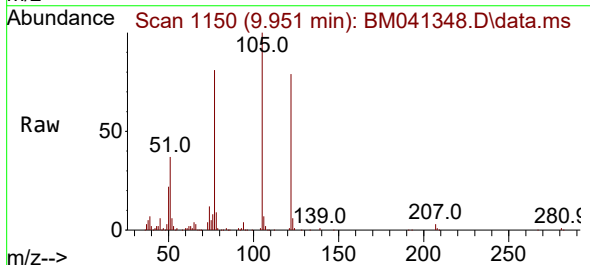
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

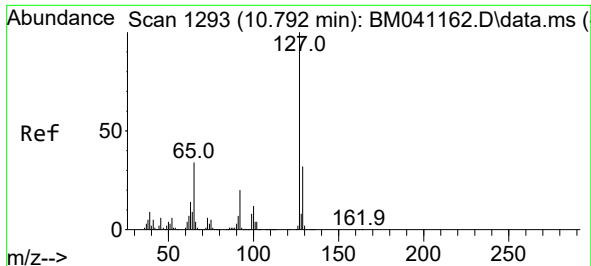
Tgt Ion:128 Resp: 1504202  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.0 13.4  
127 13.2 10.5 15.7



#32  
Benzoic acid  
Concen: 27.818 ng  
RT: 9.951 min Scan# 1150  
Delta R.T. -0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:122 Resp: 166429  
Ion Ratio Lower Upper  
122 100  
105 127.3 104.0 144.0  
77 103.7 79.9 119.9

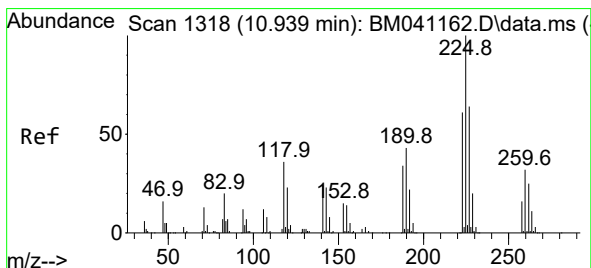
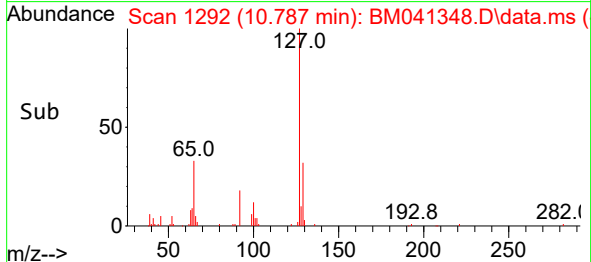
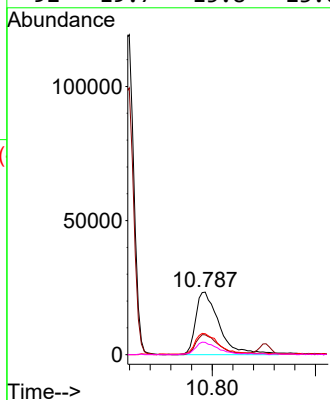
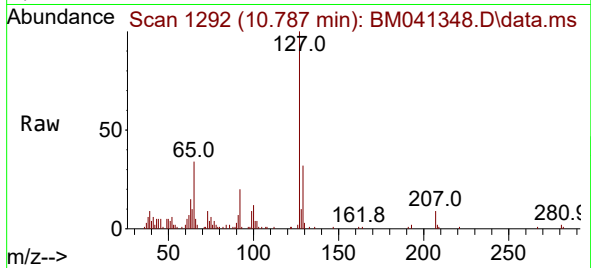




#33  
4-Chloroaniline  
Concen: 5.611 ng  
RT: 10.787 min Scan# 1292  
Delta R.T. 0.018 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

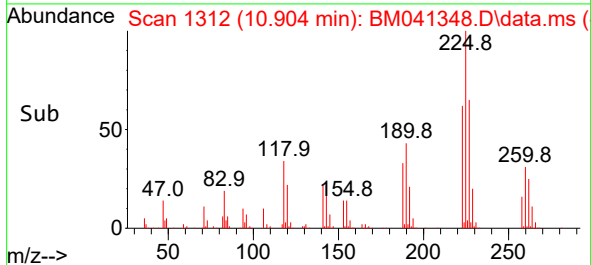
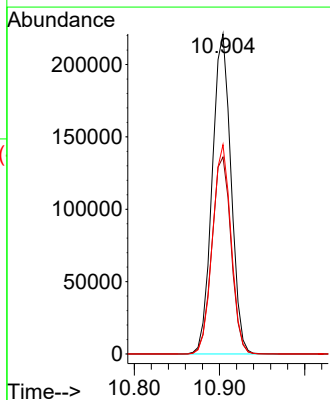
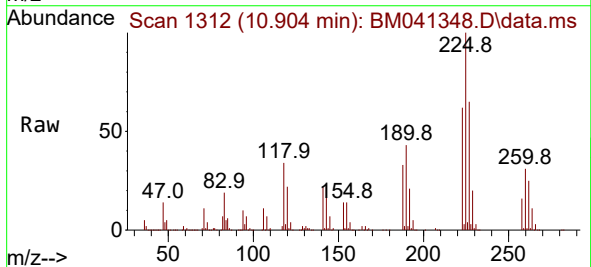
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

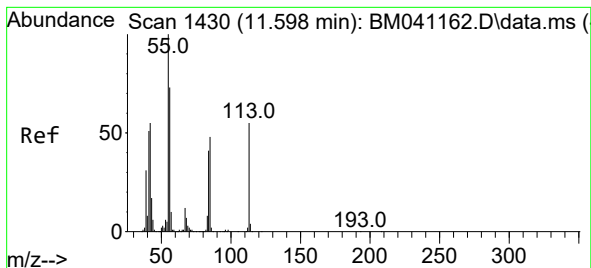
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 74233 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.6  | 25.9  | 38.9  |
| 65       | 33.6  | 26.9  | 40.3  |
| 92       | 19.7  | 15.8  | 23.6  |



#34  
Hexachlorobutadiene  
Concen: 55.469 ng  
RT: 10.904 min Scan# 1312  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 339202 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.6  | 49.0  | 73.4   |
| 227      | 65.4  | 50.8  | 76.2   |

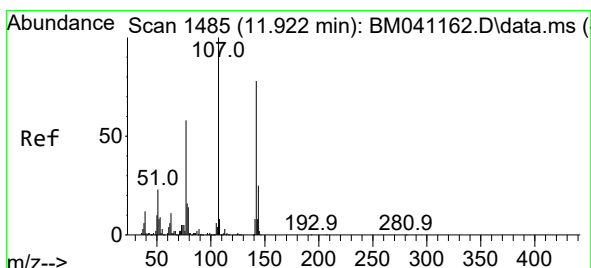
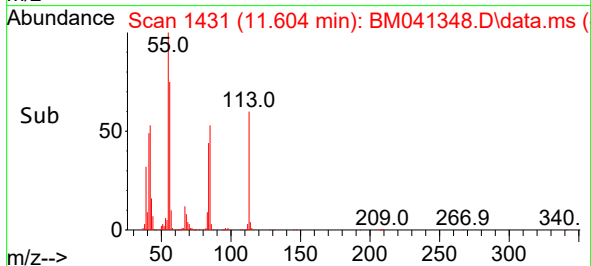
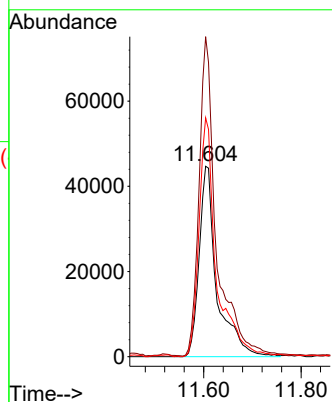
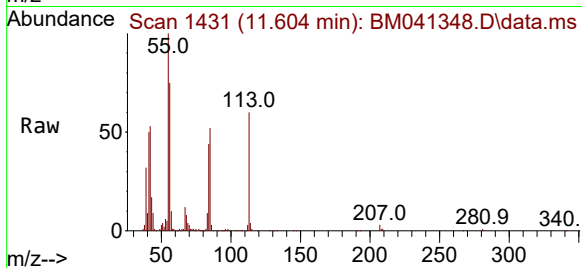




#35  
Caprolactam  
Concen: 42.596 ng  
RT: 11.604 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

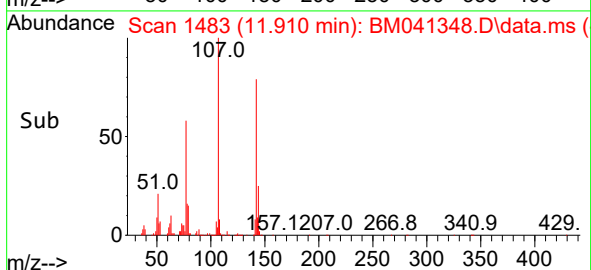
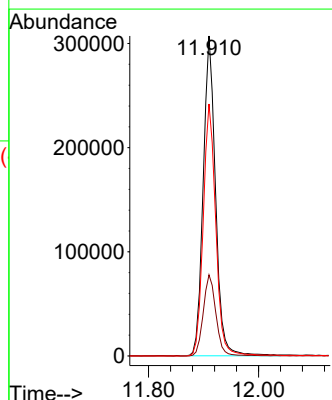
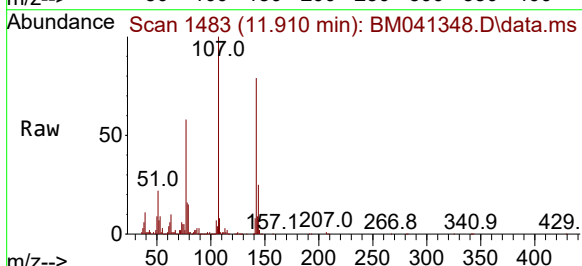
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

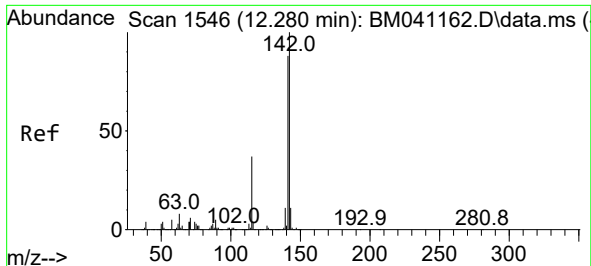
Tgt Ion:113 Resp: 113401  
Ion Ratio Lower Upper  
113 100  
55 168.0 162.5 202.5  
56 125.4 114.1 154.1



#36  
4-Chloro-3-methylphenol  
Concen: 49.462 ng  
RT: 11.910 min Scan# 1483  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:107 Resp: 479101  
Ion Ratio Lower Upper  
107 100  
144 25.4 20.1 30.1  
142 78.8 62.2 93.4





#37

2-Methylnaphthalene

Concen: 46.834 ng

RT: 12.257 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

BNA\_M

ClientSampleId :

TP-38MSD

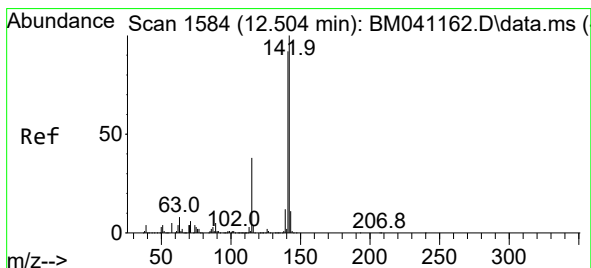
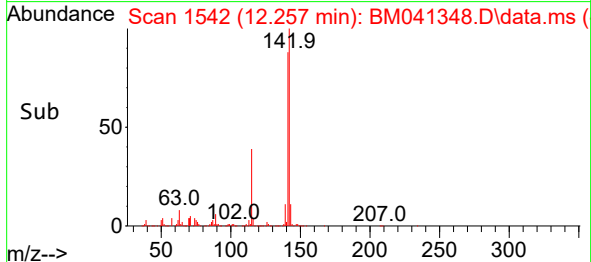
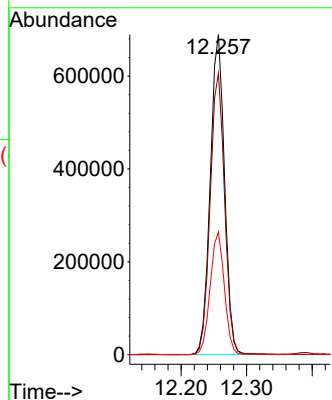
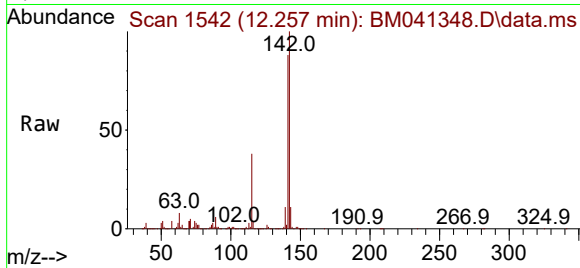
Tgt Ion:142 Resp: 1045285

Ion Ratio Lower Upper

142 100

141 87.9 70.7 106.1

115 38.4 29.3 43.9



#38

1-Methylnaphthalene

Concen: 47.867 ng

RT: 12.475 min Scan# 1579

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

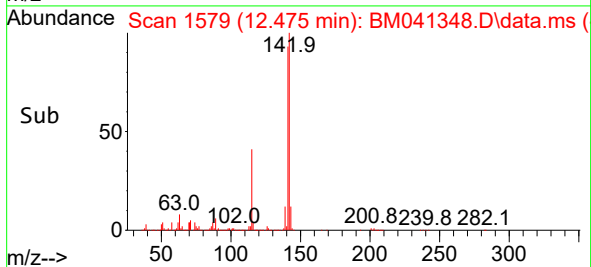
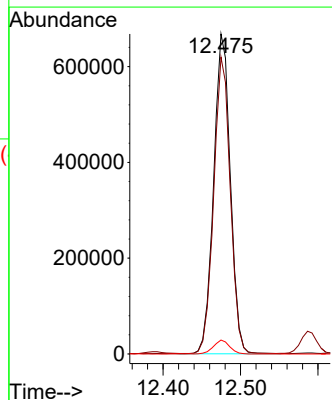
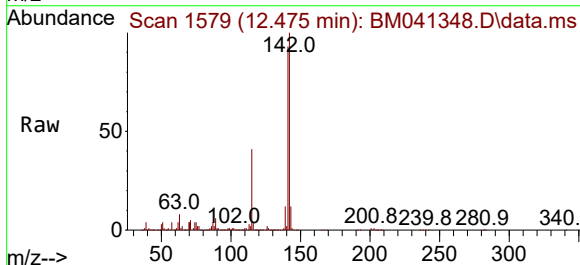
Tgt Ion:142 Resp: 999915

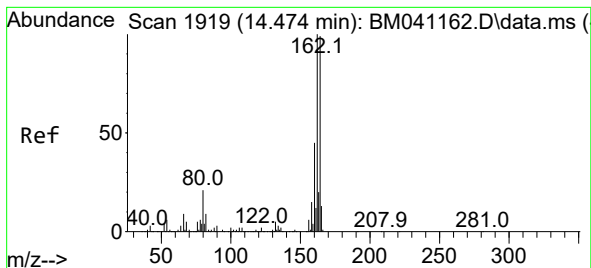
Ion Ratio Lower Upper

142 100

141 92.7 73.4 110.2

116 4.3 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.445 min Scan# 1914

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

BNA\_M

ClientSampleId :

TP-38MSD

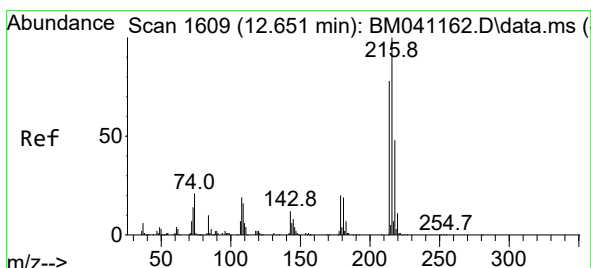
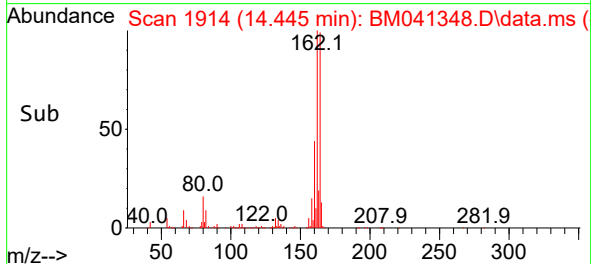
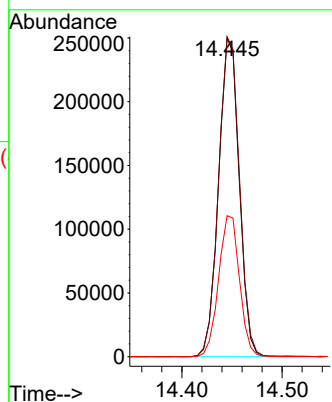
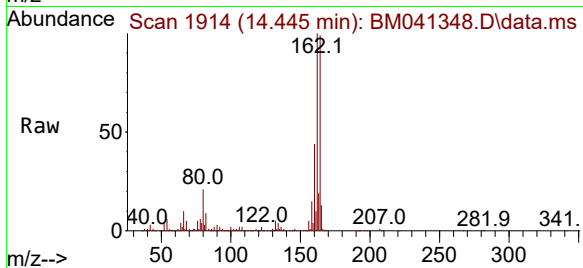
Tgt Ion:164 Resp: 355651

Ion Ratio Lower Upper

164 100

162 100.6 80.4 120.6

160 44.3 36.2 54.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.896 ng

RT: 12.628 min Scan# 1605

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Tgt Ion:216 Resp: 599312

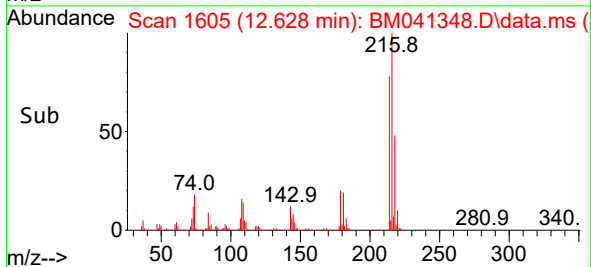
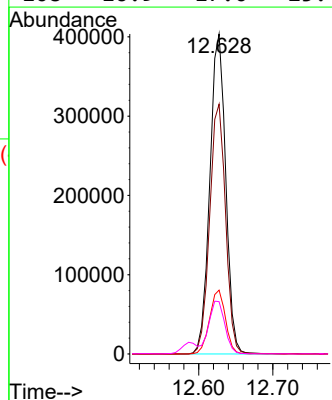
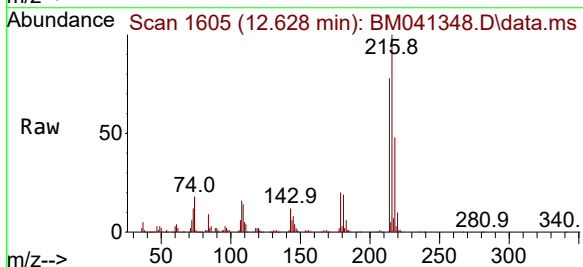
Ion Ratio Lower Upper

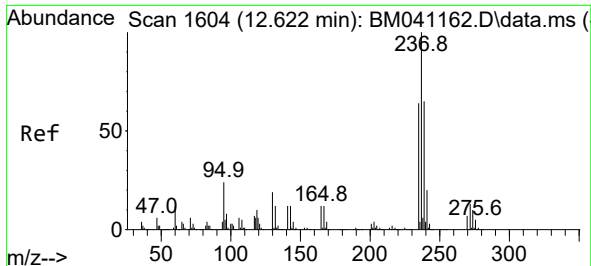
216 100

214 78.5 63.2 94.8

179 20.0 16.2 24.2

108 16.9 17.0 25.4#

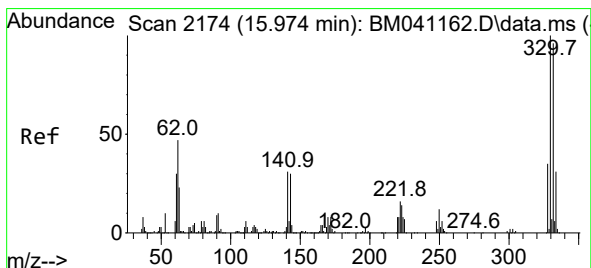
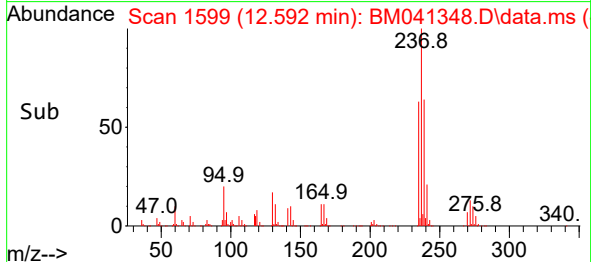
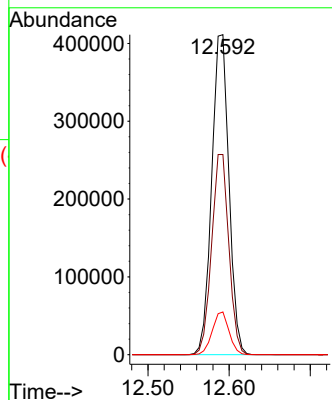
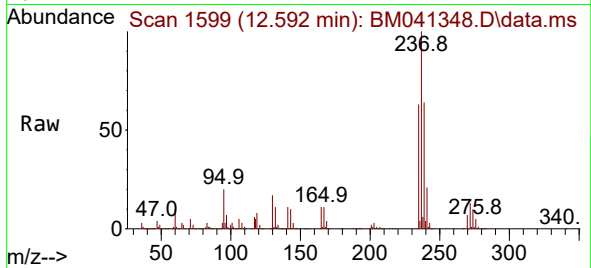




#41  
Hexachlorocyclopentadiene  
Concen: 98.989 ng  
RT: 12.592 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

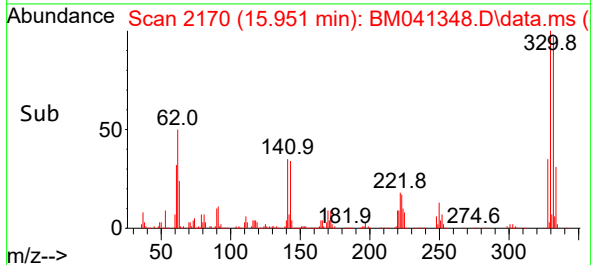
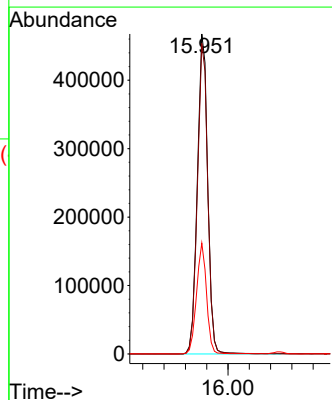
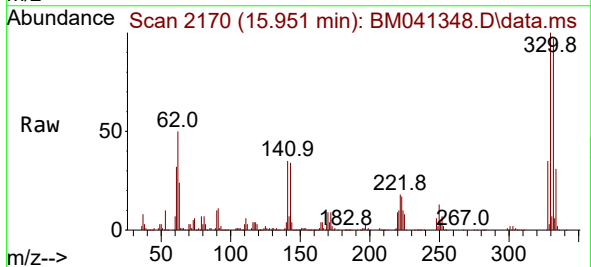
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

Tgt Ion:237 Resp: 604786  
Ion Ratio Lower Upper  
237 100  
235 62.5 43.6 83.6  
272 13.3 0.0 33.3

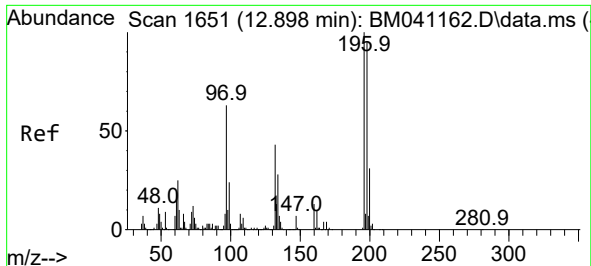


#42  
2,4,6-Tribromophenol  
Concen: 125.928 ng  
RT: 15.951 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:330 Resp: 633480  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.7 116.5  
141 33.7 28.3 42.5



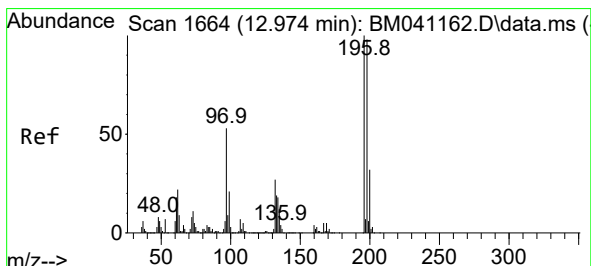
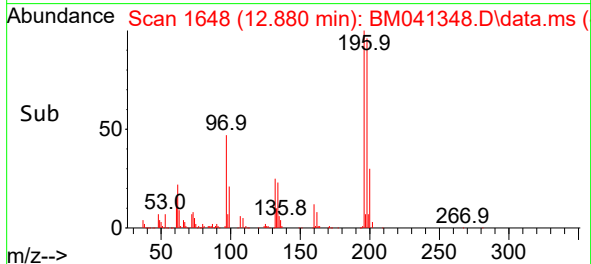
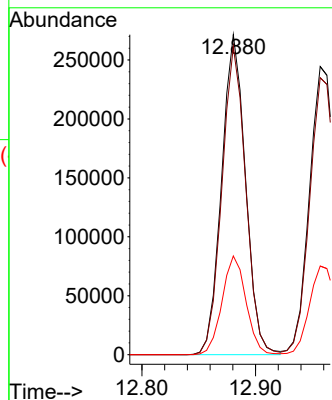
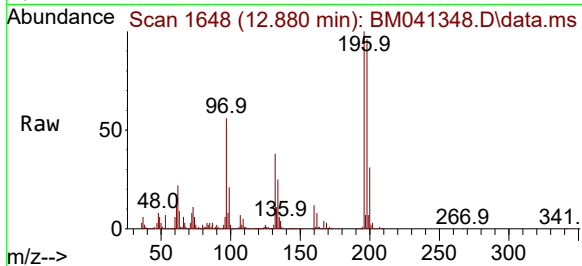




#43  
2,4,6-Trichlorophenol  
Concen: 53.715 ng  
RT: 12.880 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

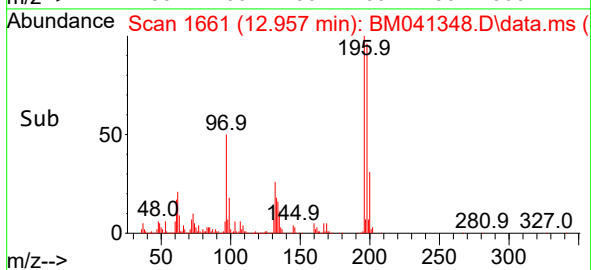
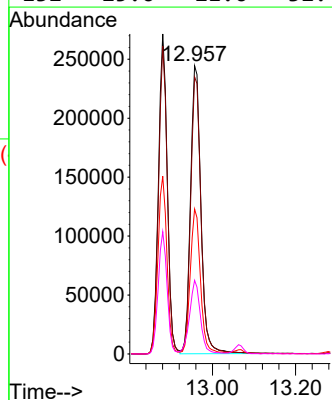
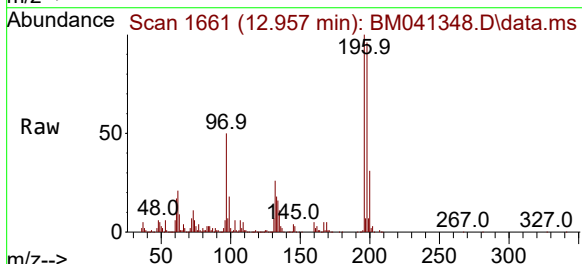
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

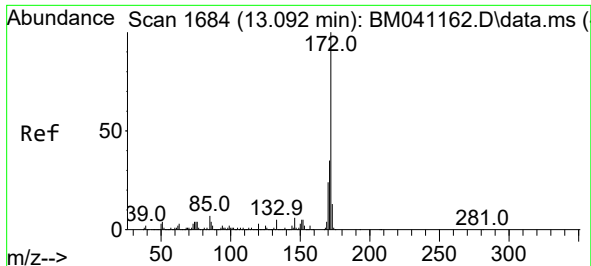
Tgt Ion:196 Resp: 397587  
Ion Ratio Lower Upper  
196 100  
198 96.3 76.2 114.4  
200 30.9 24.6 36.8



#44  
2,4,5-Trichlorophenol  
Concen: 49.578 ng  
RT: 12.957 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:196 Resp: 424736  
Ion Ratio Lower Upper  
196 100  
198 96.1 78.2 117.4  
97 50.3 42.7 64.1  
132 25.6 21.6 32.4





#45

2-Fluorobiphenyl

Concen: 81.889 ng

RT: 13.063 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

BNA\_M

ClientSampleId :

TP-38MSD

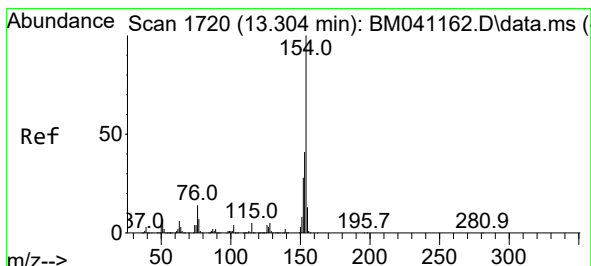
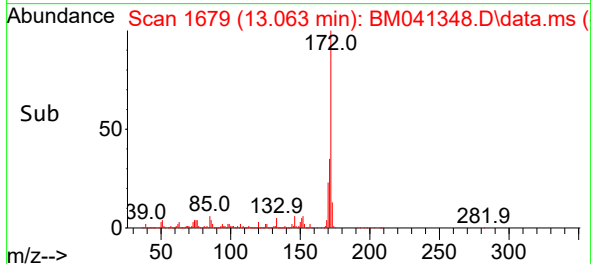
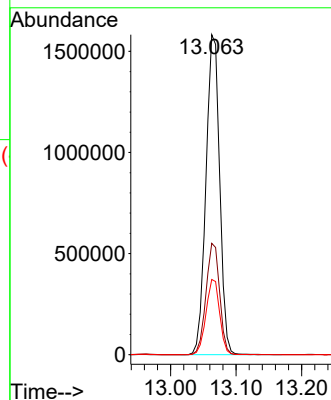
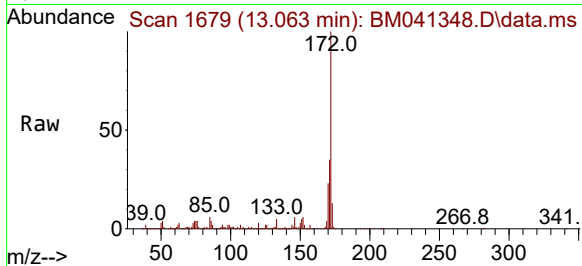
Tgt Ion:172 Resp: 2305466

Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 23.5 18.9 28.3



#46

1,1'-Biphenyl

Concen: 47.993 ng

RT: 13.275 min Scan# 1715

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

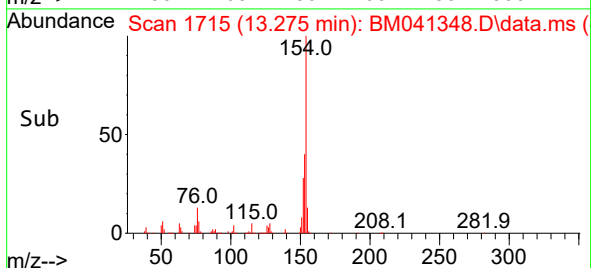
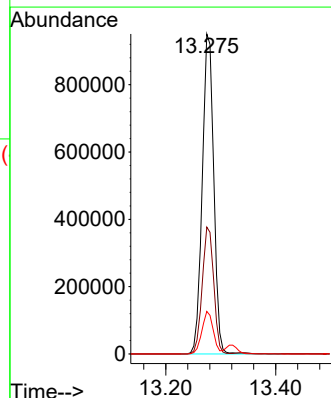
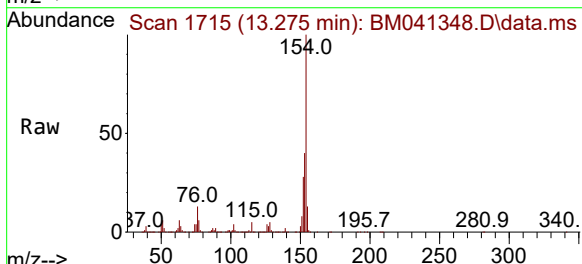
Tgt Ion:154 Resp: 1383738

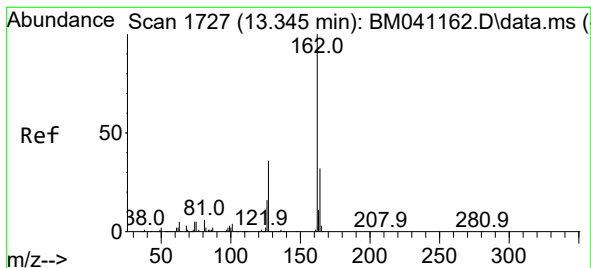
Ion Ratio Lower Upper

154 100

153 39.6 20.5 60.5

76 13.3 0.0 34.1





#47

2-Chloronaphthalene

Concen: 50.043 ng

RT: 13.322 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

BNA\_M

ClientSampleId :

TP-38MSD

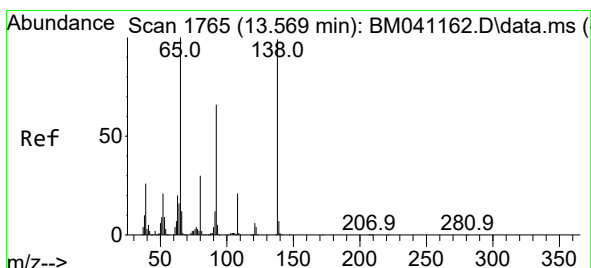
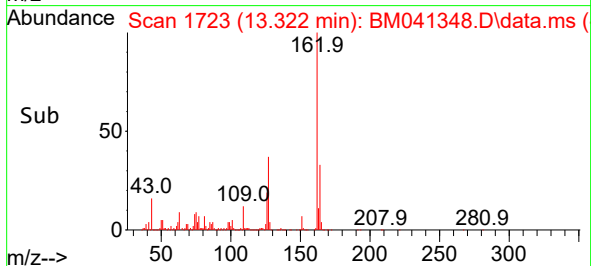
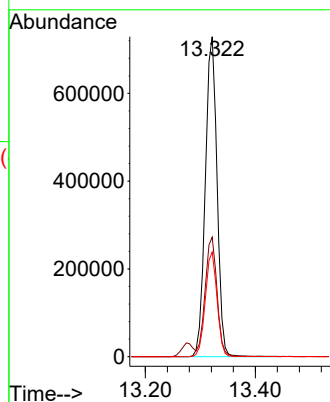
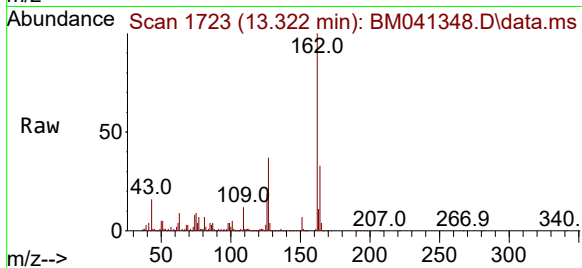
Tgt Ion:162 Resp: 1077340

Ion Ratio Lower Upper

162 100

127 37.3 30.6 45.8

164 32.7 25.6 38.4



#48

2-Nitroaniline

Concen: 45.064 ng

RT: 13.551 min Scan# 1762

Delta R.T. 0.006 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

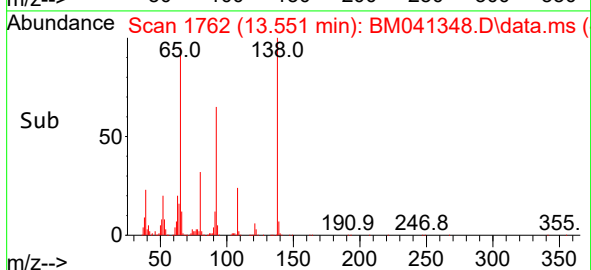
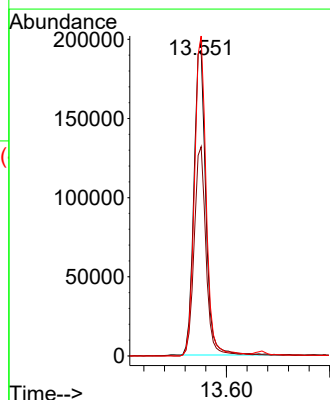
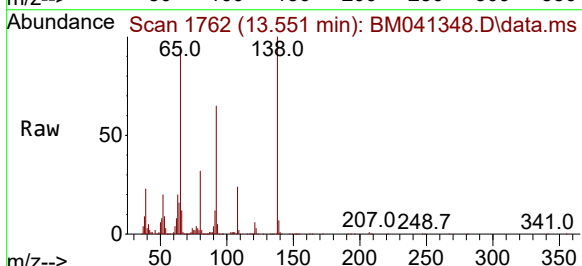
Tgt Ion: 65 Resp: 309674

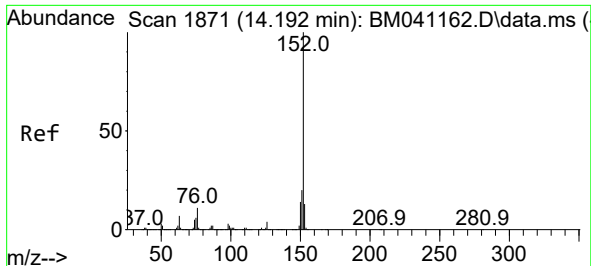
Ion Ratio Lower Upper

65 100

92 68.5 53.0 79.4

138 104.7 79.1 118.7

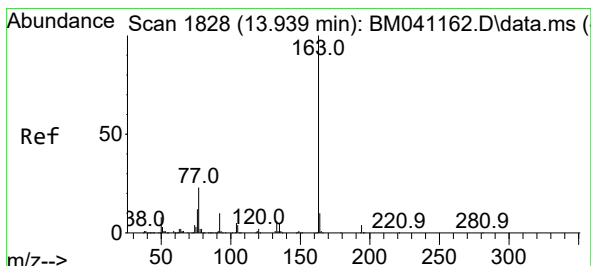
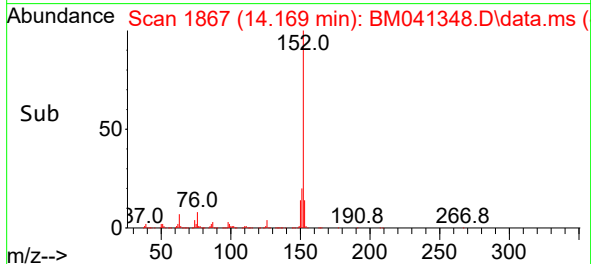
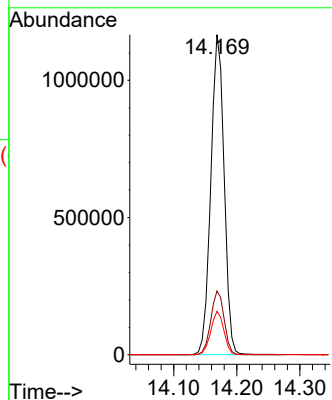
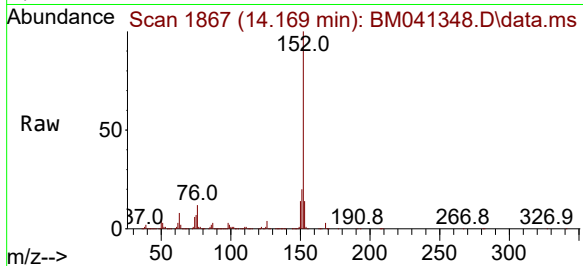




#49  
Acenaphthylene  
Concen: 49.125 ng  
RT: 14.169 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

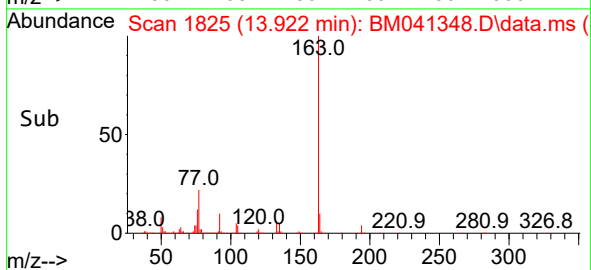
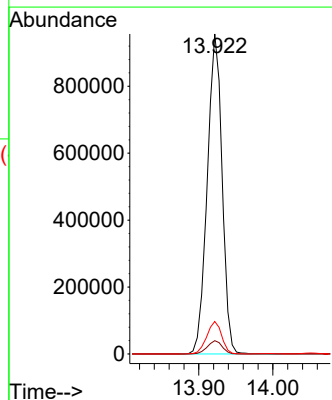
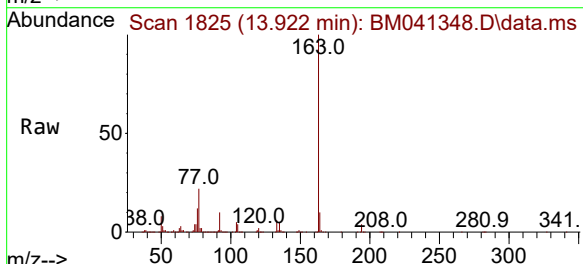
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

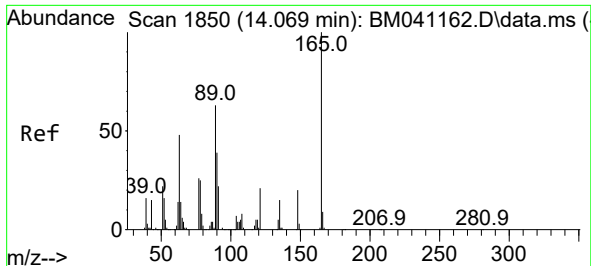
Tgt Ion:152 Resp: 1706995  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.1 24.1  
153 13.5 10.5 15.7



#50  
Dimethylphthalate  
Concen: 49.757 ng  
RT: 13.922 min Scan# 1825  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:163 Resp: 1331134  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 10.2 8.3 12.5

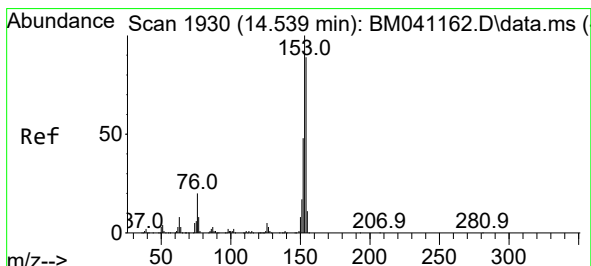
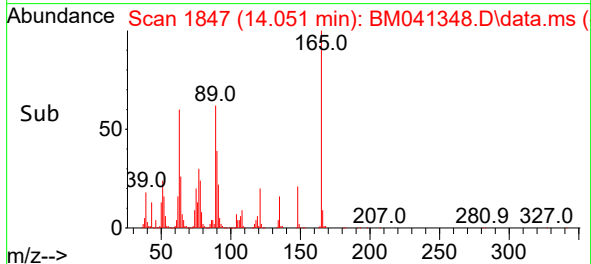
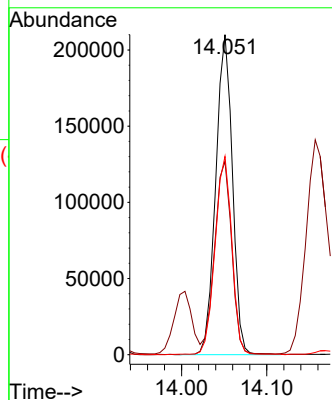
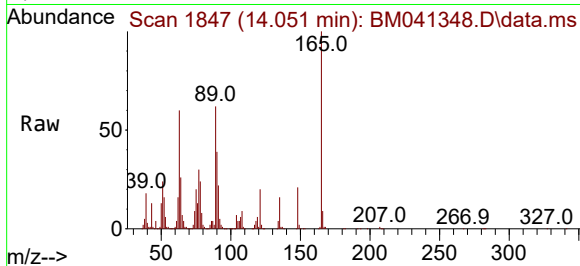




#51  
2,6-Dinitrotoluene  
Concen: 51.583 ng  
RT: 14.051 min Scan# 1847  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

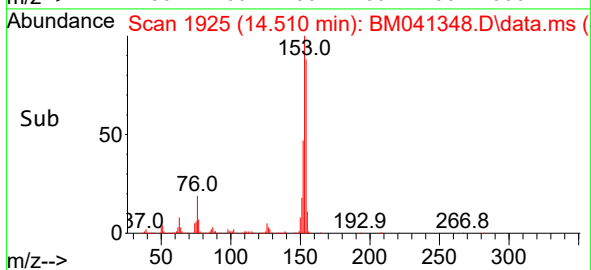
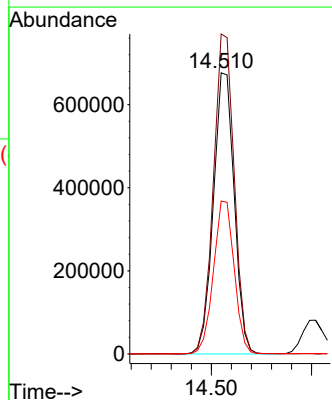
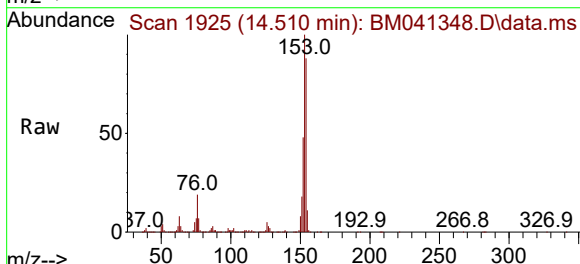
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

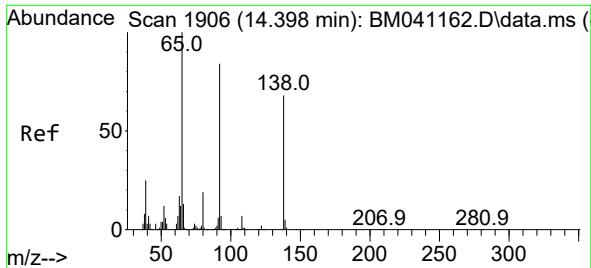
Tgt Ion:165 Resp: 285933  
Ion Ratio Lower Upper  
165 100  
63 60.4 50.9 76.3  
89 61.9 50.6 76.0



#52  
Acenaphthene  
Concen: 46.644 ng  
RT: 14.510 min Scan# 1925  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:154 Resp: 976414  
Ion Ratio Lower Upper  
154 100  
153 113.8 90.2 135.4  
152 54.4 43.4 65.0

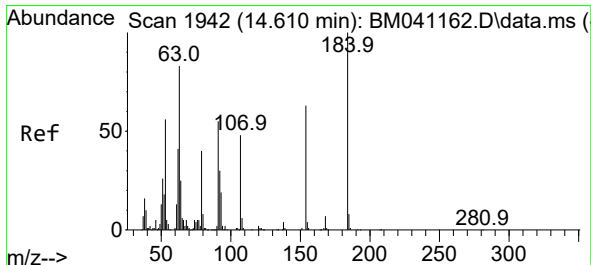
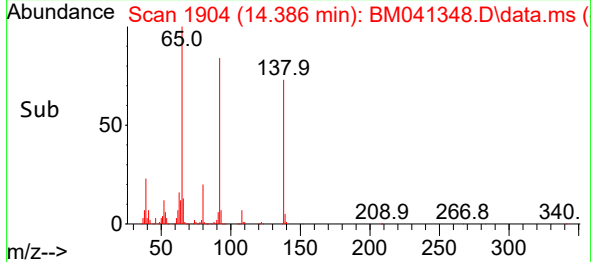
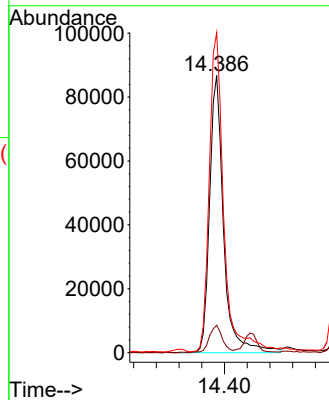
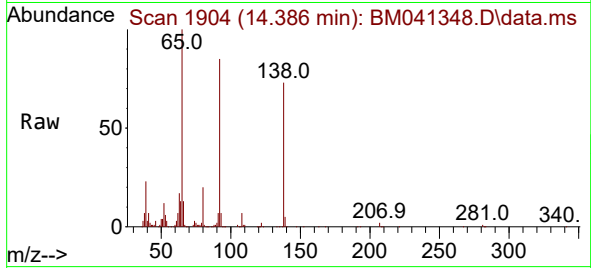




#53  
3-Nitroaniline  
Concen: 24.388 ng  
RT: 14.386 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

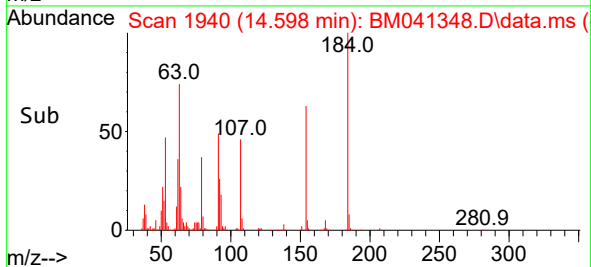
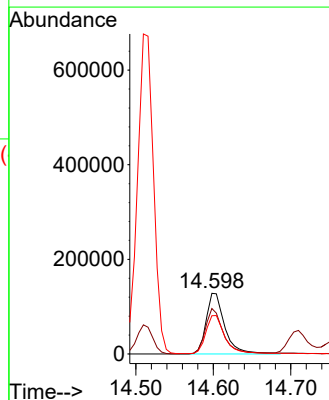
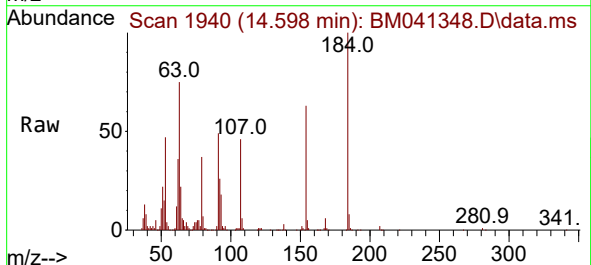
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

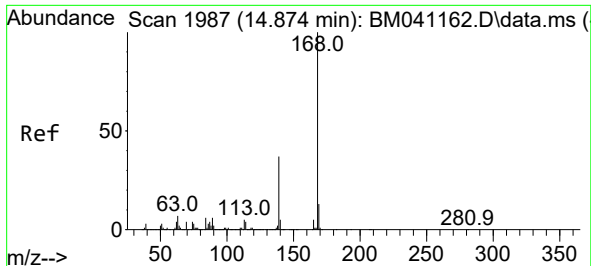
Tgt Ion:138 Resp: 147842  
Ion Ratio Lower Upper  
138 100  
108 9.9 7.6 11.4  
92 115.5 98.9 148.3



#54  
2,4-Dinitrophenol  
Concen: 58.867 ng  
RT: 14.598 min Scan# 1940  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:184 Resp: 214134  
Ion Ratio Lower Upper  
184 100  
63 74.8 66.5 99.7  
154 63.0 52.8 79.2

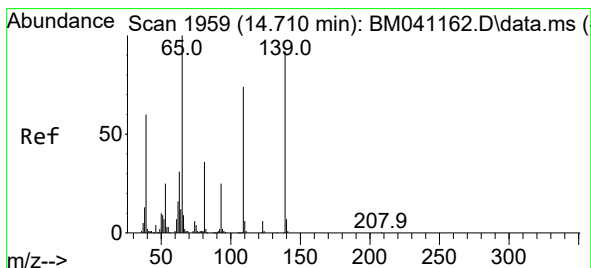
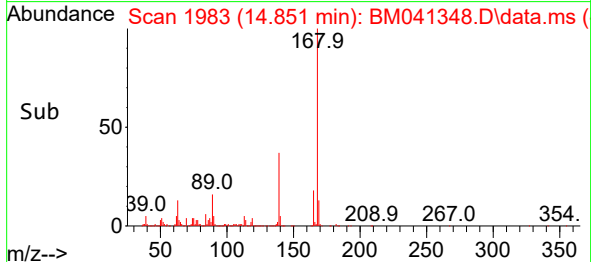
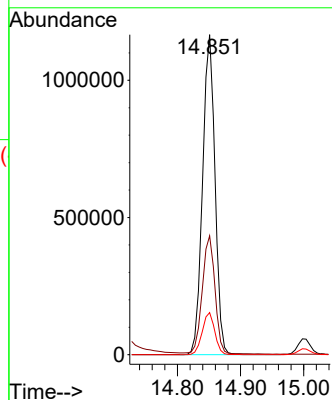
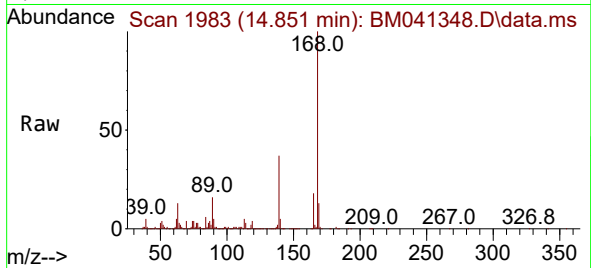




#55  
Dibenzenofuran  
Concen: 46.801 ng  
RT: 14.851 min Scan# 1983  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

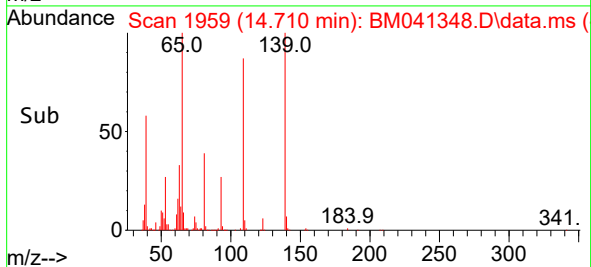
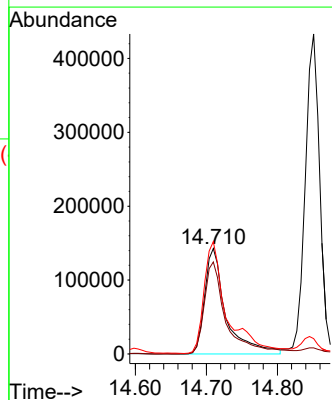
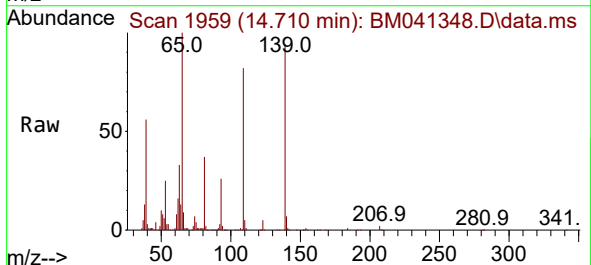
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

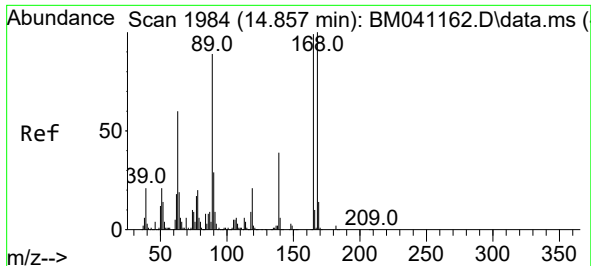
Tgt Ion:168 Resp: 1598418  
Ion Ratio Lower Upper  
168 100  
139 37.1 29.8 44.6  
169 13.1 10.5 15.7



#56  
4-Nitrophenol  
Concen: 64.887 ng  
RT: 14.710 min Scan# 1959  
Delta R.T. -0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:139 Resp: 299765  
Ion Ratio Lower Upper  
139 100  
109 87.3 61.2 101.2  
65 106.5 89.5 129.5

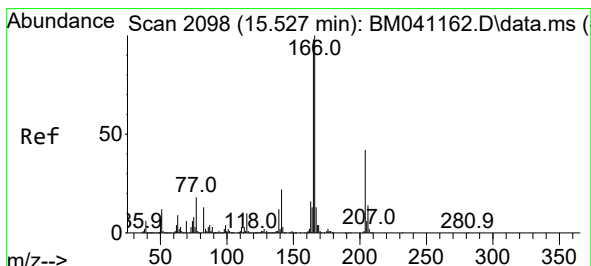
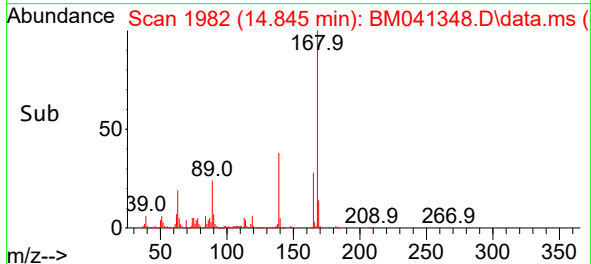
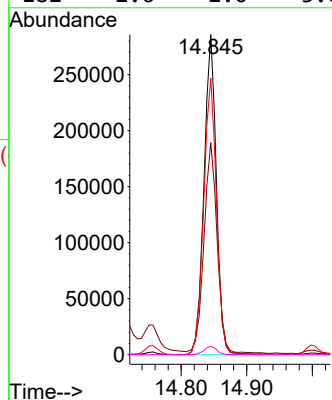
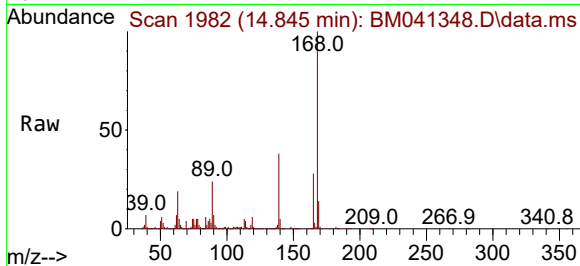




#57  
2,4-Dinitrotoluene  
Concen: 47.505 ng  
RT: 14.845 min Scan# 1984  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

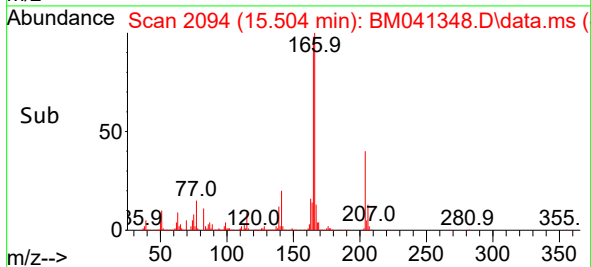
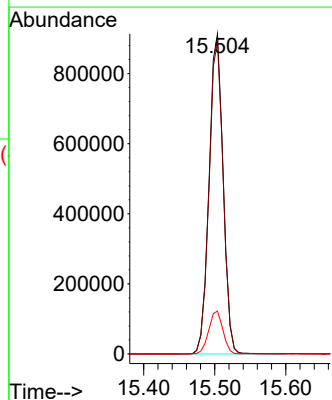
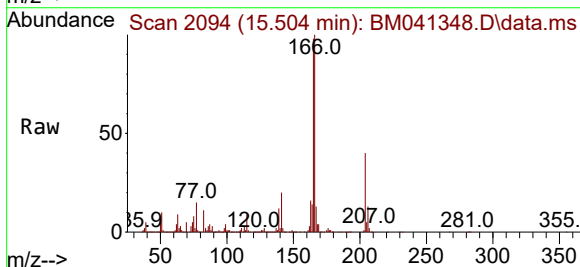
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

Tgt Ion:165 Resp: 375814  
Ion Ratio Lower Upper  
165 100  
63 66.3 48.3 72.5  
89 86.3 71.8 107.8  
182 2.6 2.0 3.0

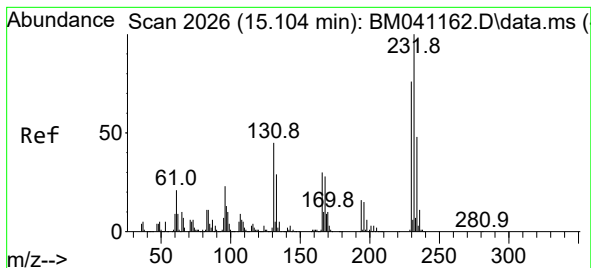


#58  
Fluorene  
Concen: 46.684 ng  
RT: 15.504 min Scan# 2094  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:166 Resp: 1257838  
Ion Ratio Lower Upper  
166 100  
165 97.7 78.2 117.4  
167 13.4 10.6 16.0



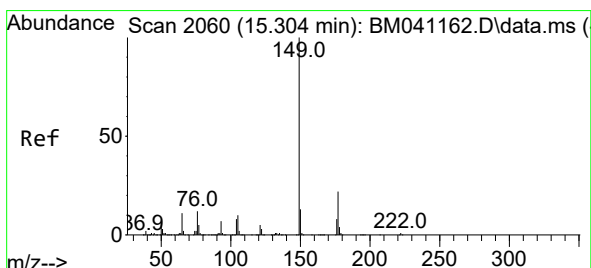
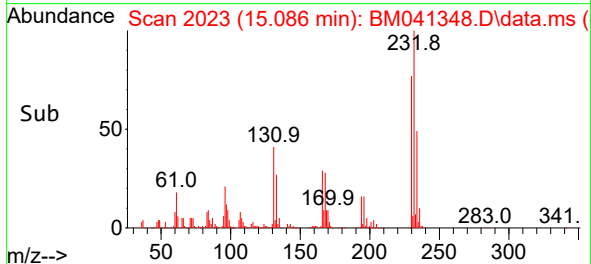
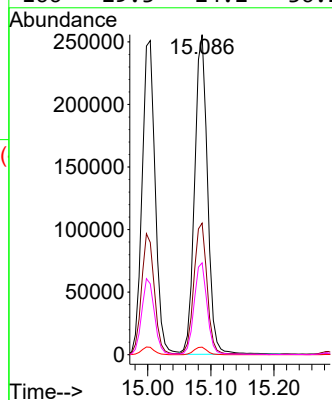
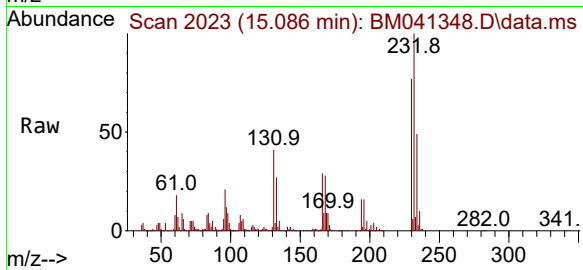




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 52.145 ng  
RT: 15.086 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

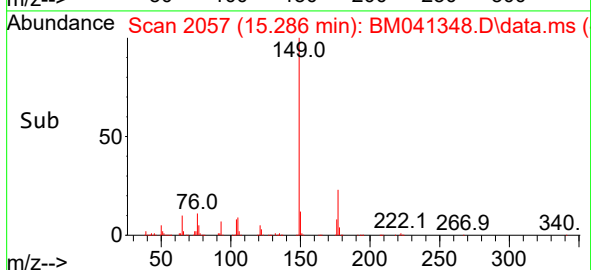
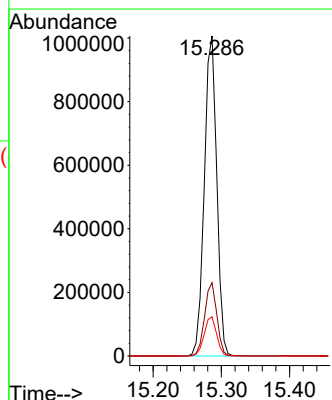
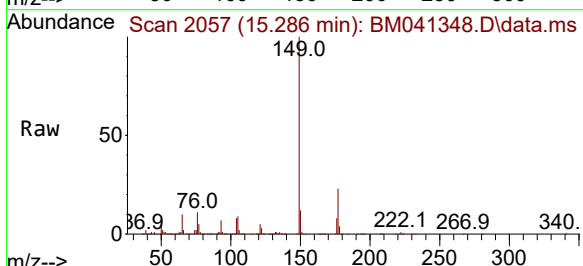
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

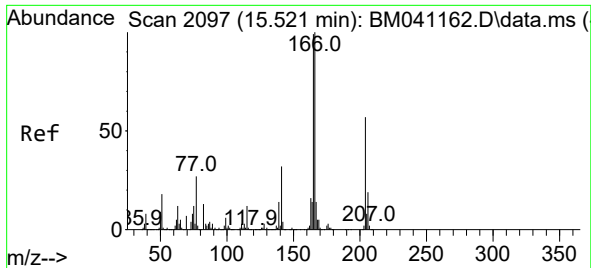
Tgt Ion:232 Resp: 361746  
Ion Ratio Lower Upper  
232 100  
131 42.2 36.9 55.3  
130 2.4 2.0 3.0  
166 29.3 24.2 36.2



#60  
Diethylphthalate  
Concen: 49.371 ng  
RT: 15.286 min Scan# 2057  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:149 Resp: 1277291  
Ion Ratio Lower Upper  
149 100  
177 22.9 17.5 26.3  
150 12.2 10.1 15.1

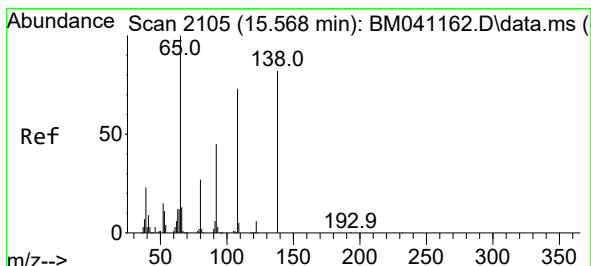
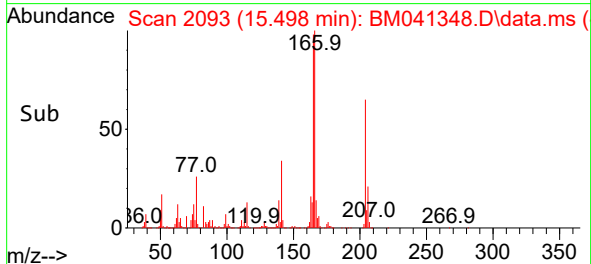
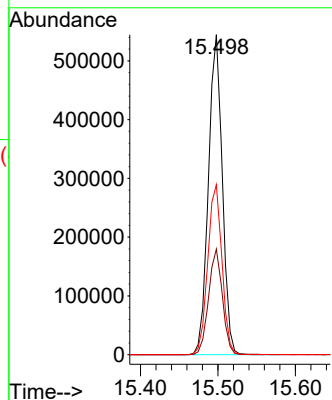
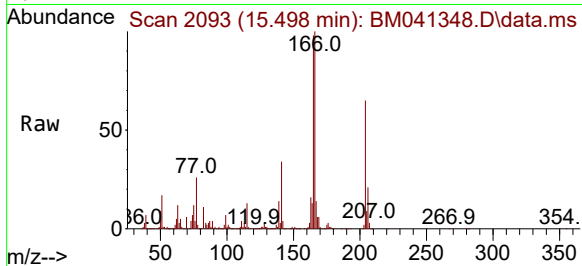




#61  
4-Chlorophenyl-phenylether  
Concen: 50.172 ng  
RT: 15.498 min Scan# 2097  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

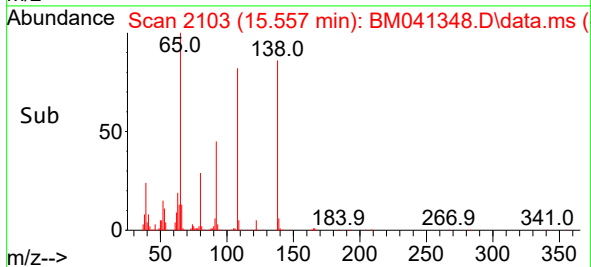
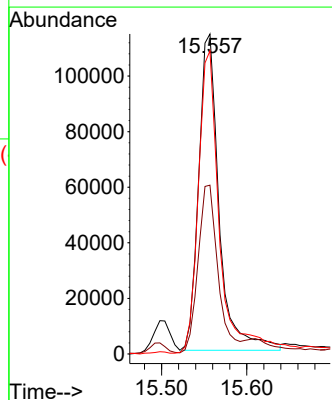
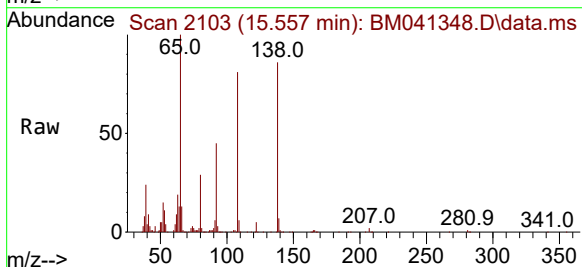
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

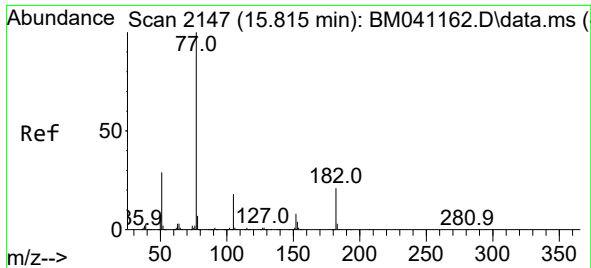
Tgt Ion:204 Resp: 677395  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.5 39.7  
141 53.1 44.8 67.2



#62  
4-Nitroaniline  
Concen: 33.528 ng  
RT: 15.557 min Scan# 2103  
Delta R.T. 0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:138 Resp: 190130  
Ion Ratio Lower Upper  
138 100  
92 52.8 35.1 75.1  
108 94.7 67.8 107.8



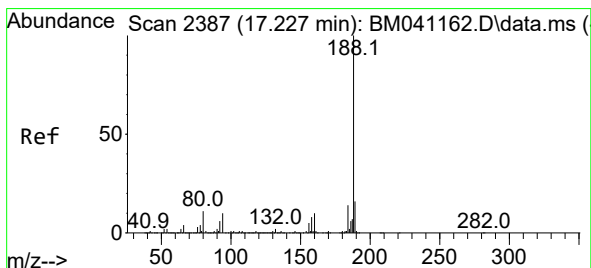
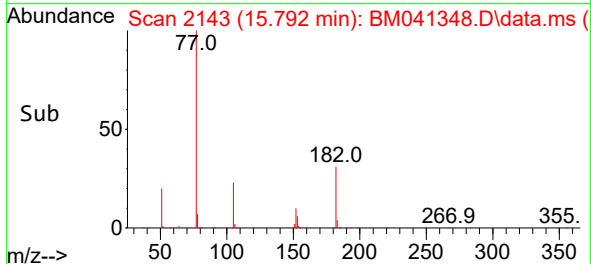
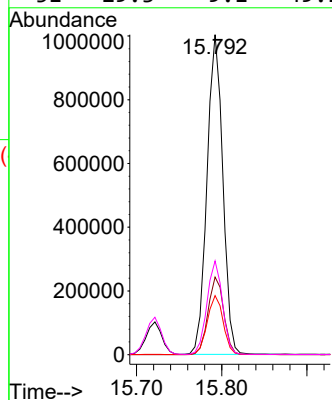
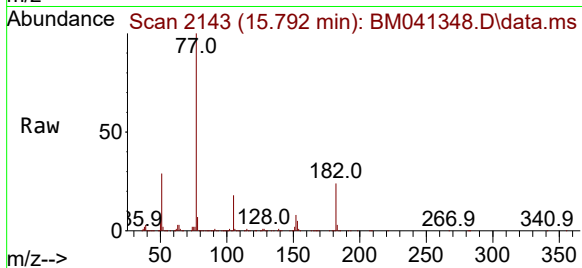


#63  
Azobenzene  
Concen: 45.551 ng  
RT: 15.792 min Scan# 2143  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

Tgt Ion: 77 Resp: 1290862

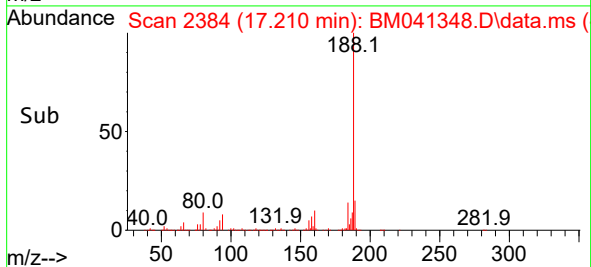
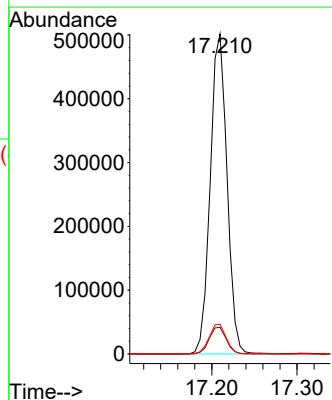
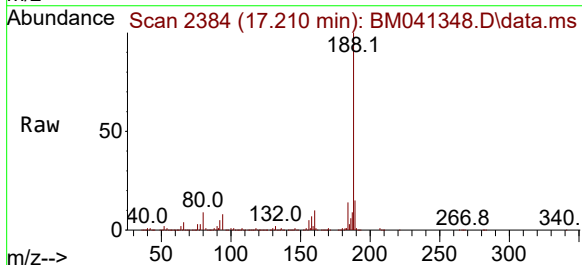
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 24.2  | 1.3   | 41.3  |
| 105 | 18.4  | 0.0   | 38.5  |
| 51  | 29.3  | 9.1   | 49.1  |

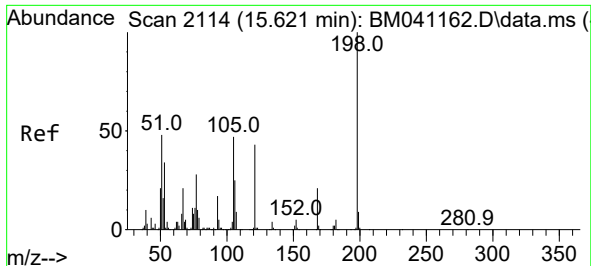


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.210 min Scan# 2384  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion: 188 Resp: 686356

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 8.3   | 8.2   | 12.2  |
| 80  | 9.3   | 8.6   | 13.0  |

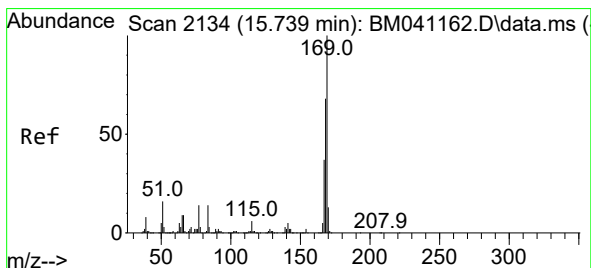
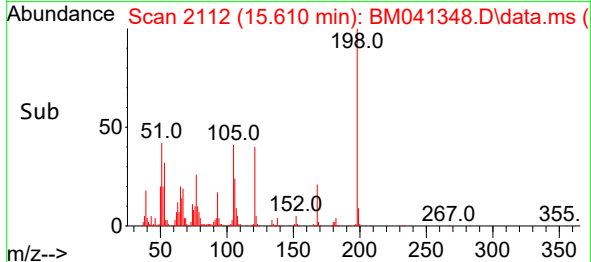
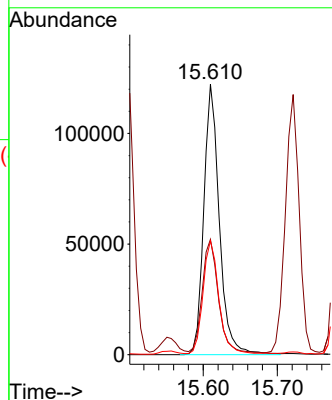
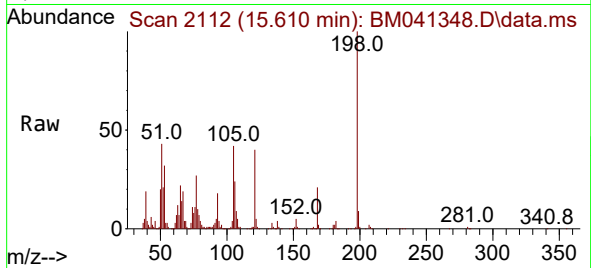




#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.812 ng  
RT: 15.610 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

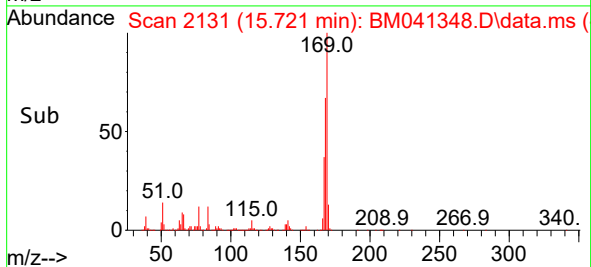
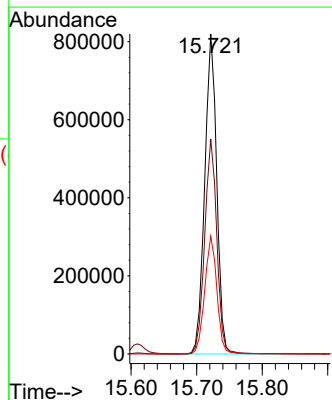
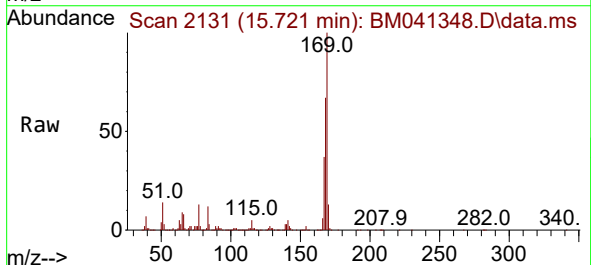
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

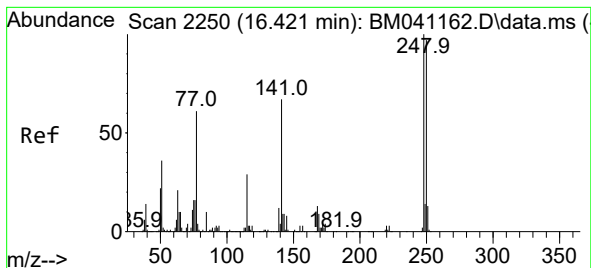
Tgt Ion:198 Resp: 178009  
Ion Ratio Lower Upper  
198 100  
51 42.7 31.7 71.7  
105 42.1 27.8 67.8



#66  
n-Nitrosodiphenylamine  
Concen: 49.090 ng  
RT: 15.721 min Scan# 2131  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:169 Resp: 1047884  
Ion Ratio Lower Upper  
169 100  
168 67.2 54.6 81.8  
167 36.8 29.9 44.9

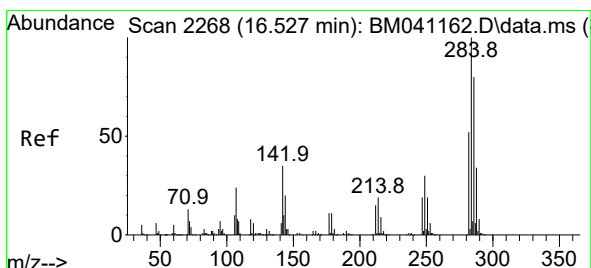
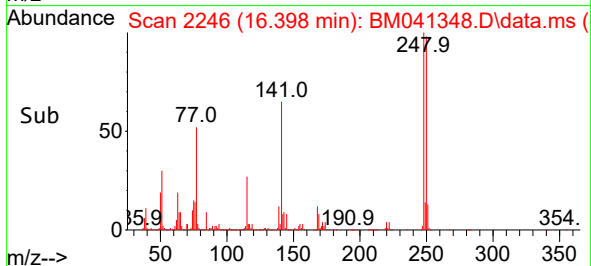
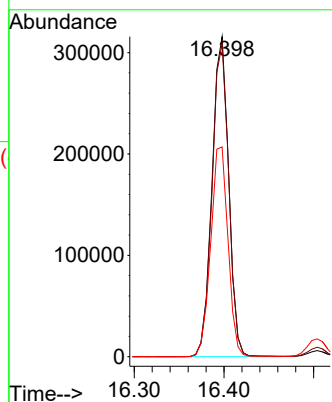
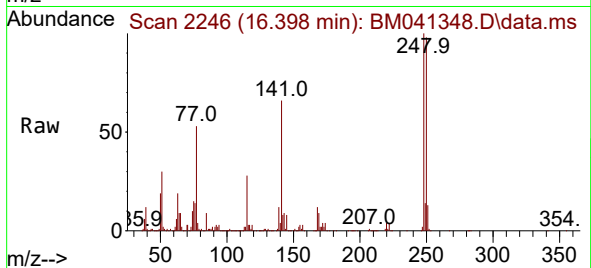




#67  
4-Bromophenyl-phenylether  
Concen: 53.960 ng  
RT: 16.398 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

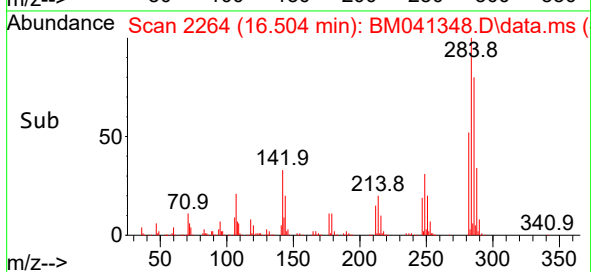
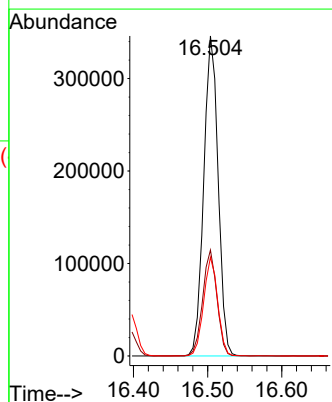
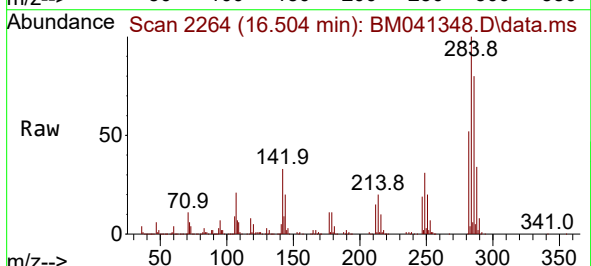
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

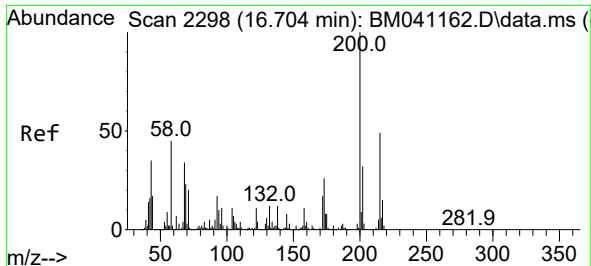
Tgt Ion:248 Resp: 406066  
Ion Ratio Lower Upper  
248 100  
250 97.7 78.0 117.0  
141 65.6 53.8 80.8



#68  
Hexachlorobenzene  
Concen: 55.977 ng  
RT: 16.504 min Scan# 2264  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:284 Resp: 468412  
Ion Ratio Lower Upper  
284 100  
142 33.1 28.0 42.0  
249 30.9 23.7 35.5

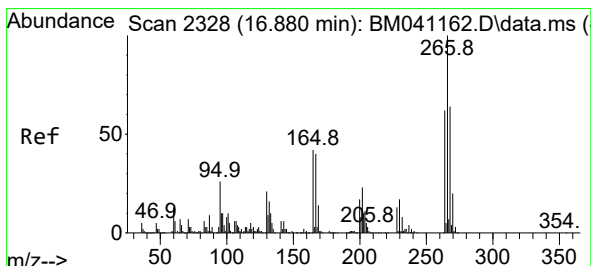
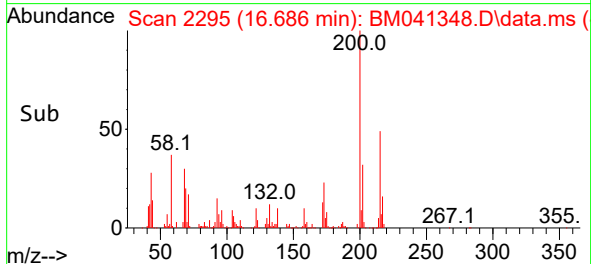
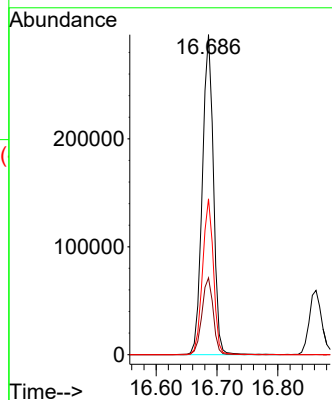
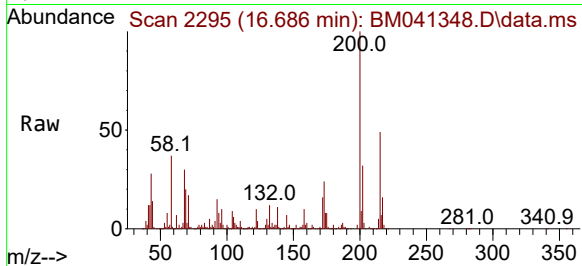




#69  
 Atrazine  
 Concen: 66.655 ng  
 RT: 16.686 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BM041348.D  
 Acq: 09 Aug 2023 20:24

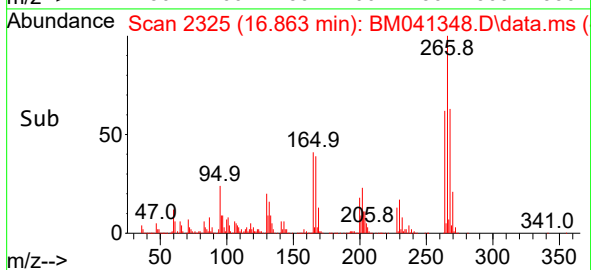
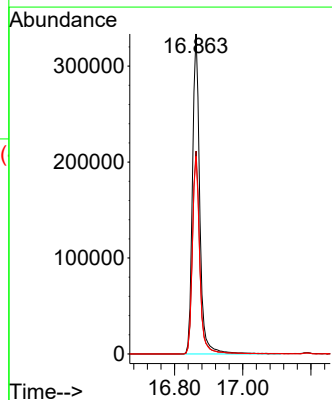
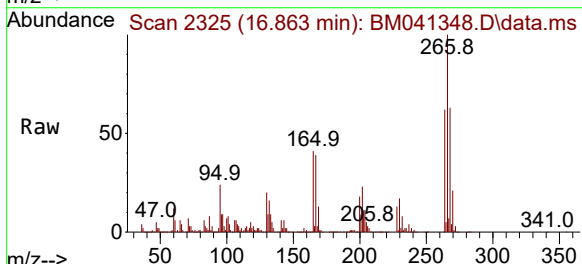
Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-38MSD

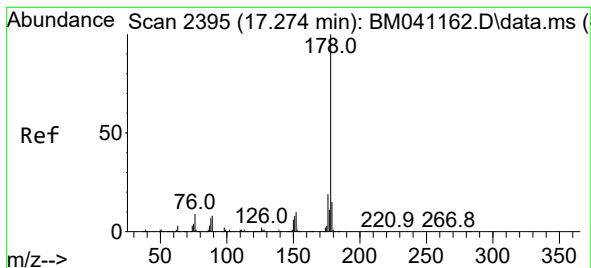
Tgt Ion:200 Resp: 373658  
 Ion Ratio Lower Upper  
 200 100  
 173 24.0 5.6 45.6  
 215 48.7 28.5 68.5



#70  
 Pentachlorophenol  
 Concen: 85.226 ng  
 RT: 16.863 min Scan# 2325  
 Delta R.T. 0.000 min  
 Lab File: BM041348.D  
 Acq: 09 Aug 2023 20:24

Tgt Ion:266 Resp: 493836  
 Ion Ratio Lower Upper  
 266 100  
 268 63.4 51.0 76.6  
 264 61.8 49.4 74.2





#71

Phenanthrene

Concen: 47.193 ng

RT: 17.251 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

BNA\_M

ClientSampleId :

TP-38MSD

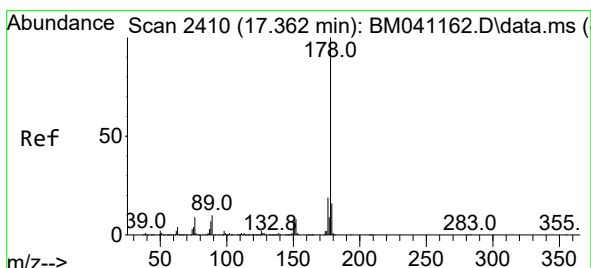
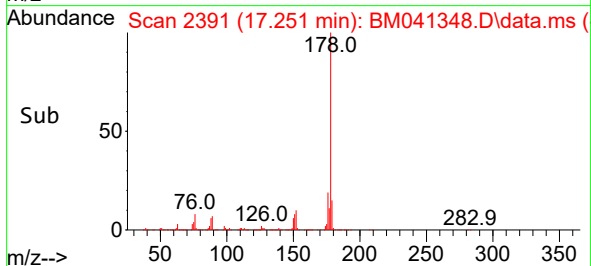
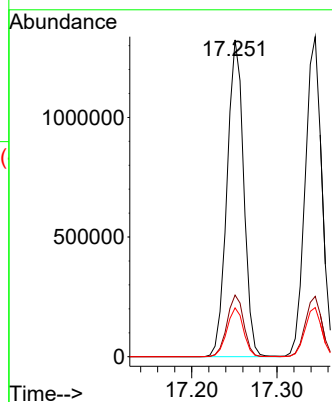
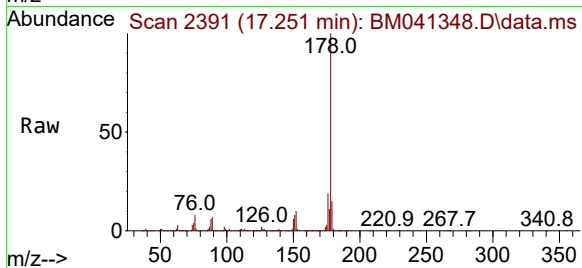
Tgt Ion:178 Resp: 1799668

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

179 15.4 12.1 18.1



#72

Anthracene

Concen: 48.521 ng

RT: 17.345 min Scan# 2407

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

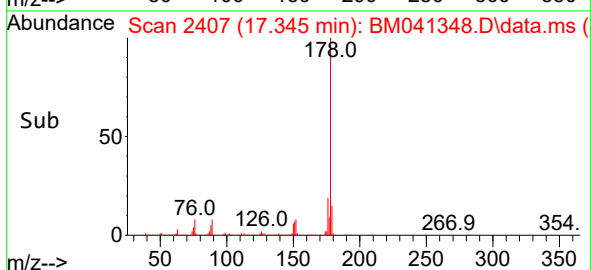
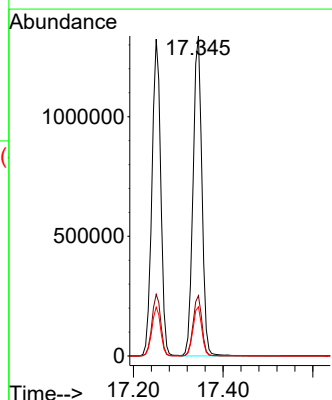
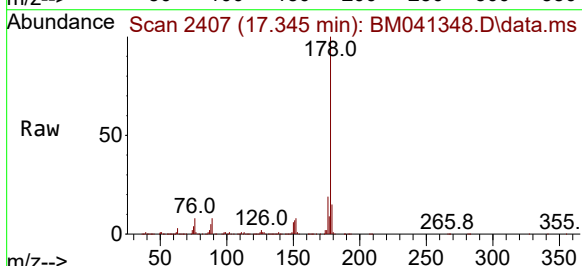
Tgt Ion:178 Resp: 1829999

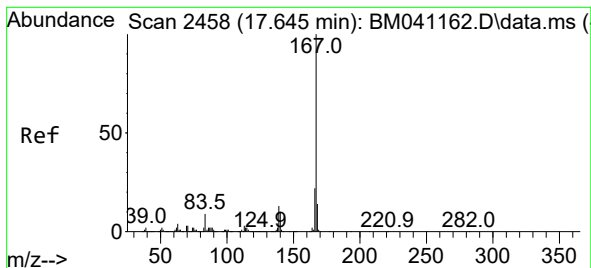
Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

179 15.4 12.4 18.6





#73

Carbazole

Concen: 45.234 ng

RT: 17.627 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

BNA\_M

ClientSampleId :

TP-38MSD

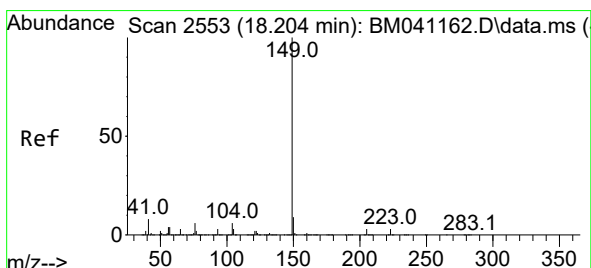
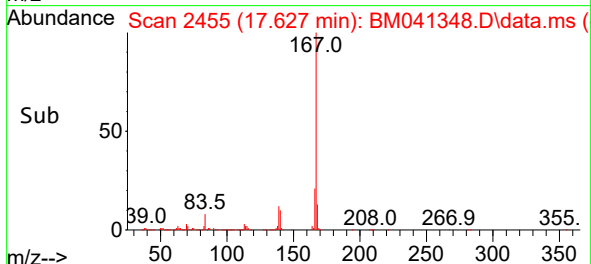
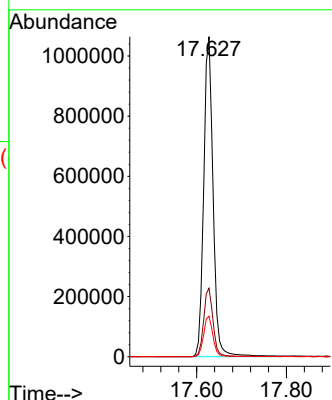
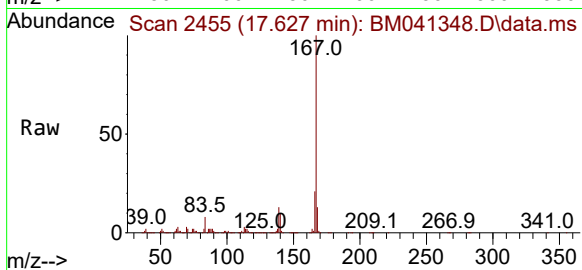
Tgt Ion:167 Resp: 1544128

Ion Ratio Lower Upper

167 100

166 21.4 17.3 25.9

139 12.7 10.3 15.5



#74

Di-n-butylphthalate

Concen: 52.218 ng

RT: 18.180 min Scan# 2549

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

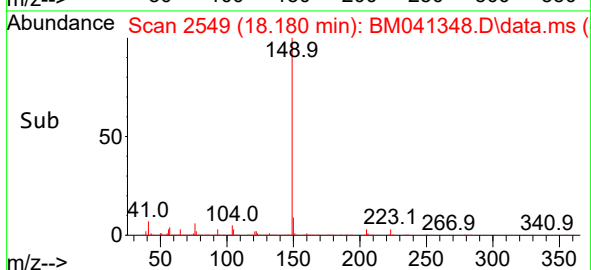
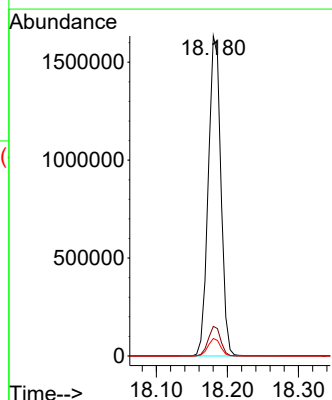
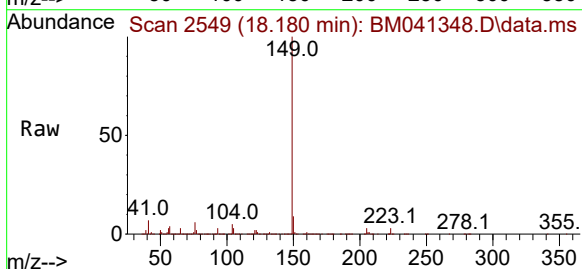
Tgt Ion:149 Resp: 2014289

Ion Ratio Lower Upper

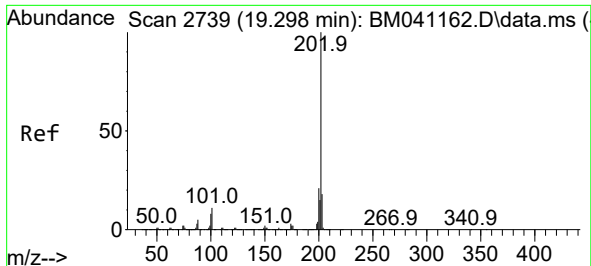
149 100

150 9.3 7.3 10.9

104 5.5 4.5 6.7



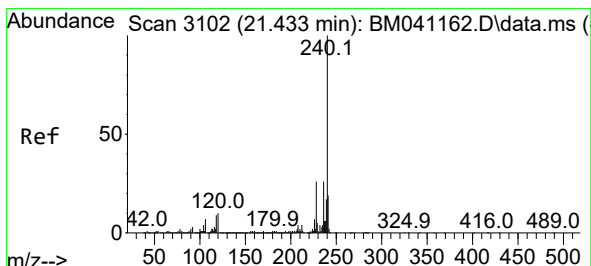
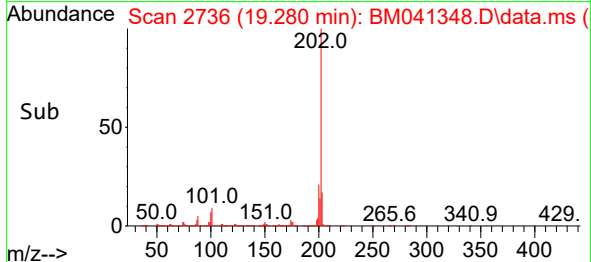
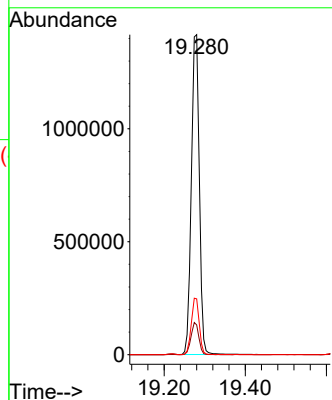
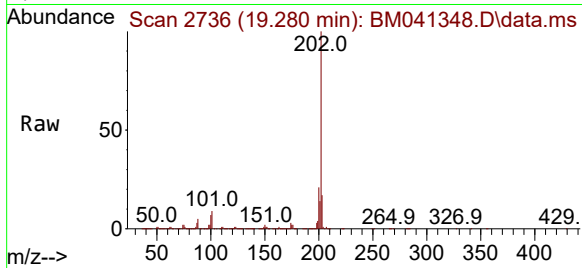




#75  
Fluoranthene  
Concen: 45.039 ng  
RT: 19.280 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

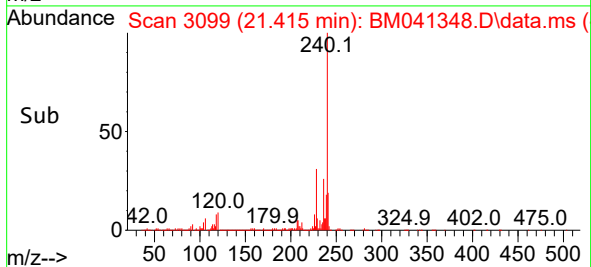
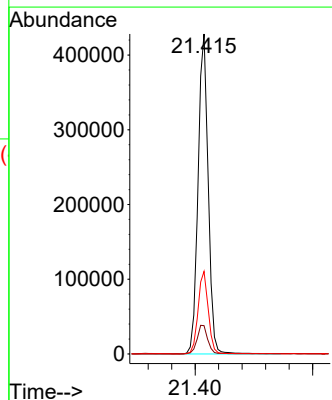
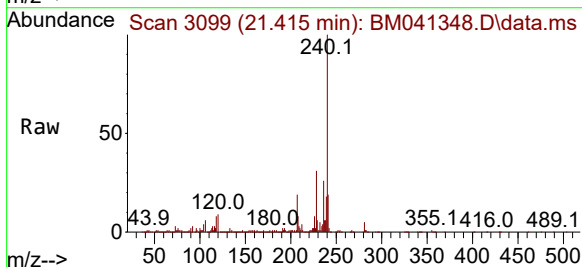
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

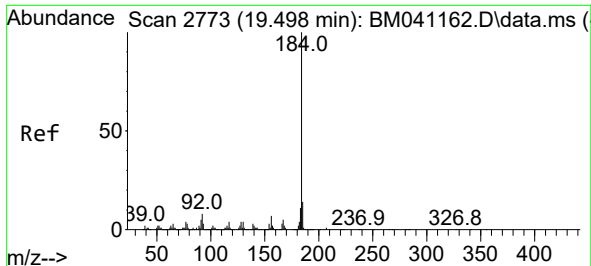
Tgt Ion:202 Resp: 1929600  
Ion Ratio Lower Upper  
202 100  
101 9.3 0.0 30.8  
203 17.5 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.415 min Scan# 3099  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:240 Resp: 512001  
Ion Ratio Lower Upper  
240 100  
120 8.9 8.3 12.5  
236 25.8 20.6 30.8

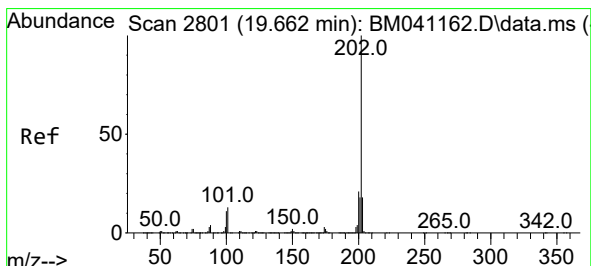
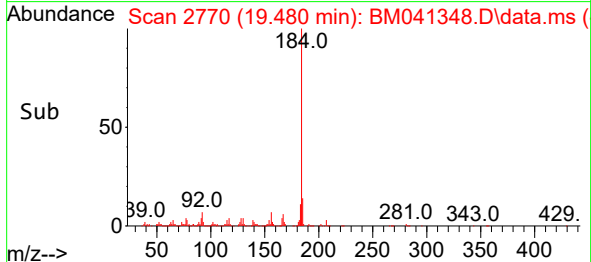
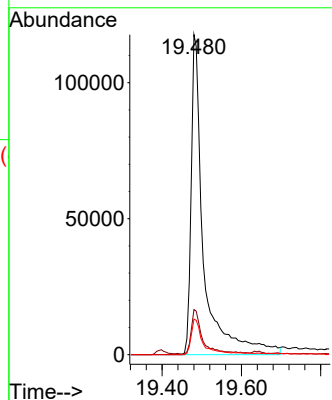
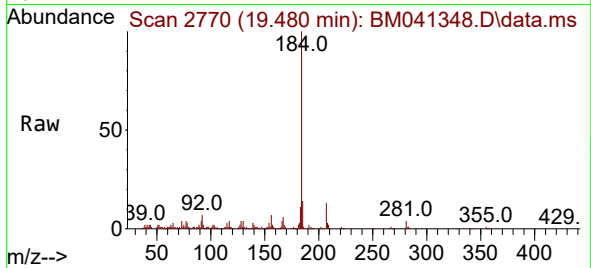




#77  
Benzidine  
Concen: 37.263 ng  
RT: 19.480 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

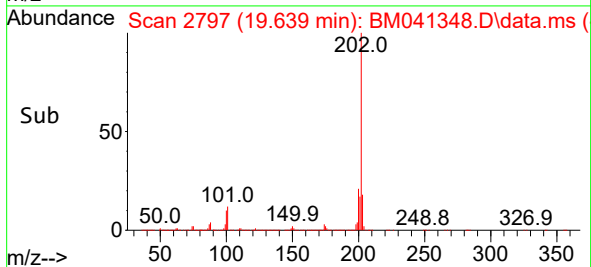
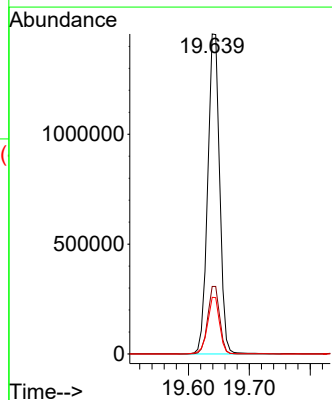
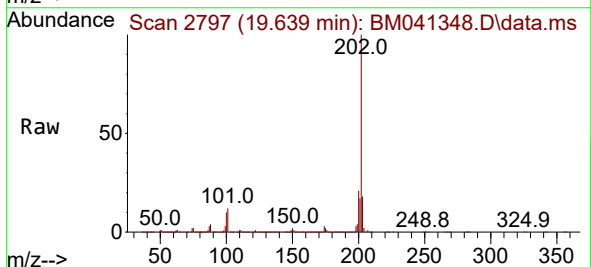
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

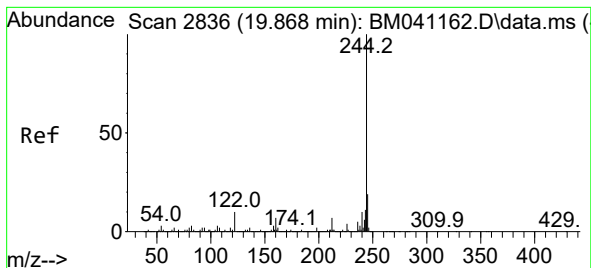
Tgt Ion:184 Resp: 260044  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.4 17.0  
183 11.1 9.2 13.8



#78  
Pyrene  
Concen: 55.323 ng  
RT: 19.639 min Scan# 2797  
Delta R.T. -0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:202 Resp: 1980827  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.9 25.3  
203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 98.447 ng

RT: 19.845 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

BNA\_M

ClientSampleId :

TP-38MSD

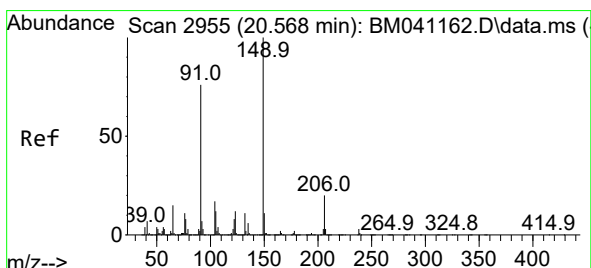
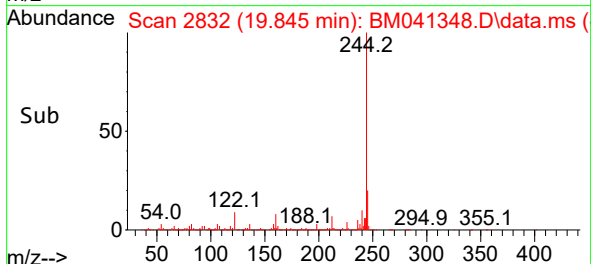
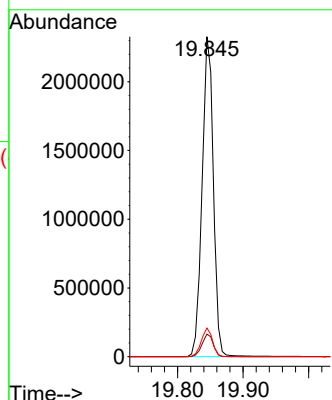
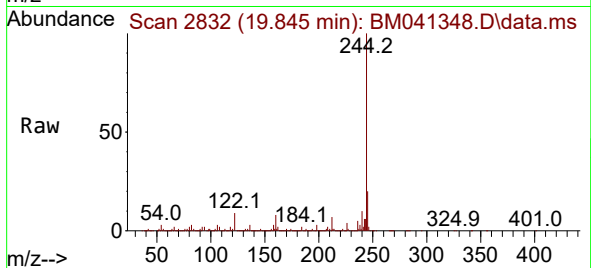
Tgt Ion:244 Resp: 2787803

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 8.9 7.8 11.6



#80

Butylbenzylphthalate

Concen: 58.623 ng

RT: 20.545 min Scan# 2951

Delta R.T. -0.006 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

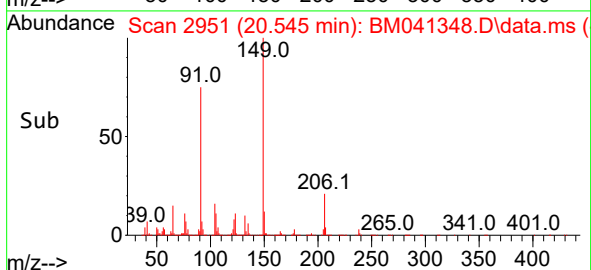
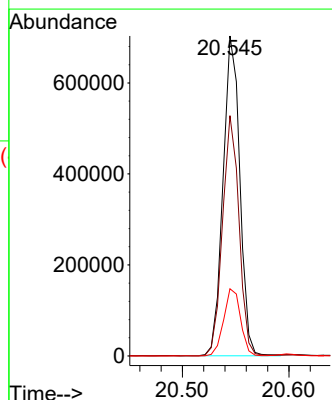
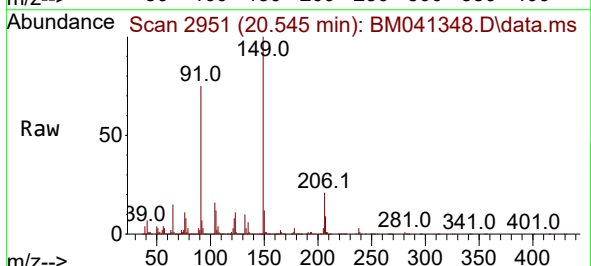
Tgt Ion:149 Resp: 766517

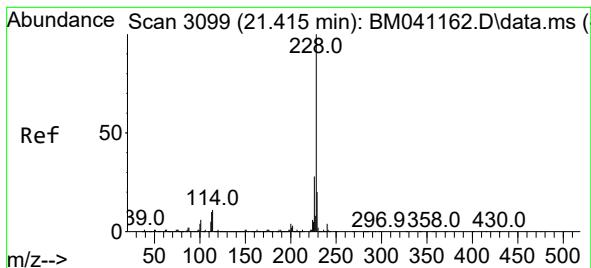
Ion Ratio Lower Upper

149 100

91 75.1 60.8 91.2

206 21.0 16.4 24.6





#81

Benzo(a)anthracene

Concen: 50.449 ng

RT: 21.398 min Scan# 3099

Delta R.T. -0.006 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

BNA\_M

ClientSampleId :

TP-38MSD

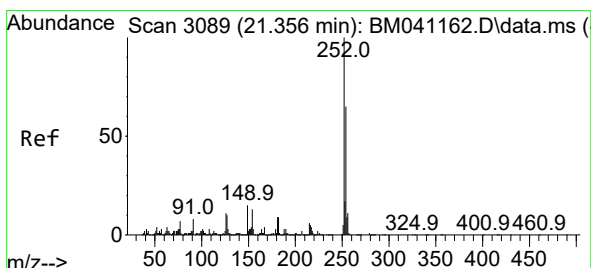
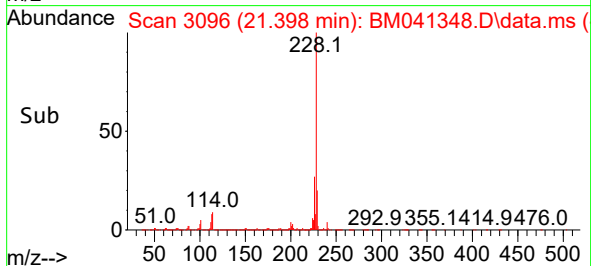
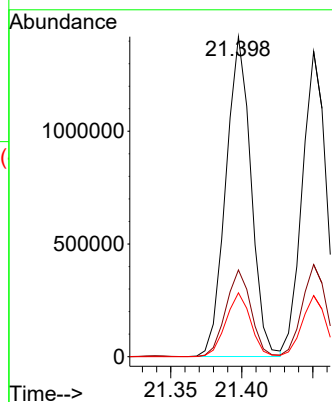
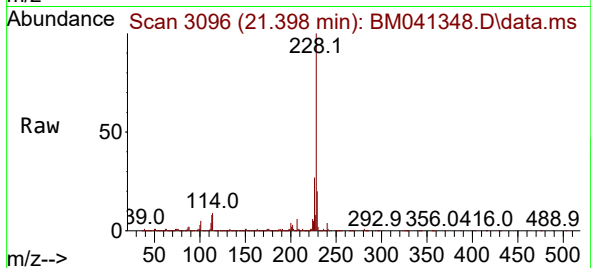
Tgt Ion:228 Resp: 1751052

Ion Ratio Lower Upper

228 100

226 27.1 22.4 33.6

229 19.9 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 33.055 ng

RT: 21.339 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

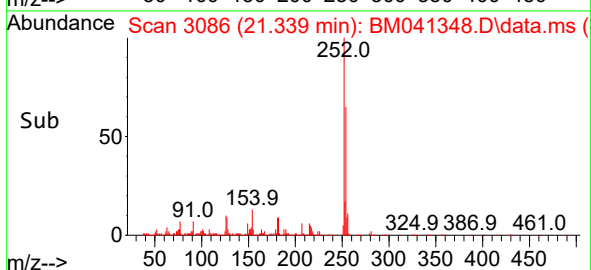
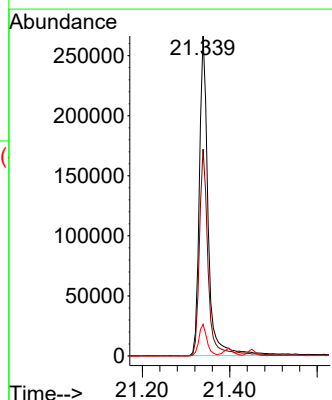
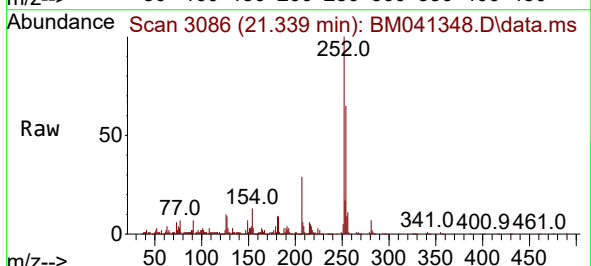
Tgt Ion:252 Resp: 374380

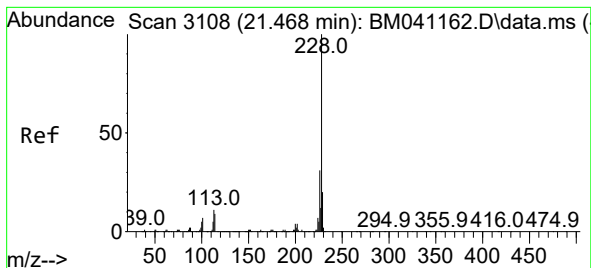
Ion Ratio Lower Upper

252 100

254 64.6 51.8 77.6

126 9.9 8.6 13.0





#83

Chrysene

Concen: 47.967 ng

RT: 21.451 min Scan# 3108

Delta R.T. -0.006 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

BNA\_M

ClientSampleId :

TP-38MSD

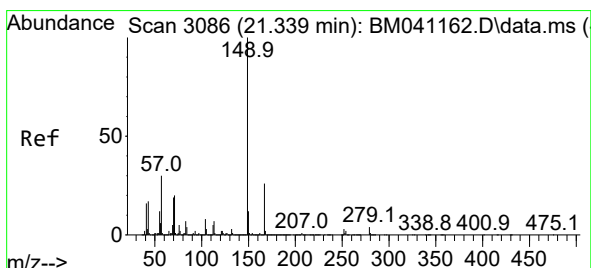
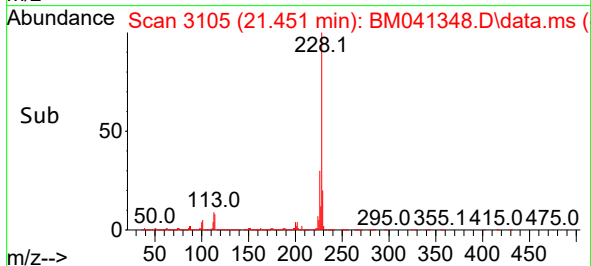
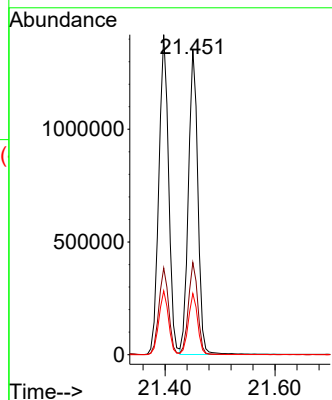
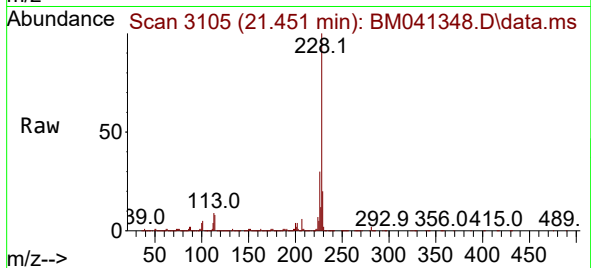
Tgt Ion:228 Resp: 1610363

Ion Ratio Lower Upper

228 100

226 30.2 24.5 36.7

229 20.0 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.004 ng

RT: 21.321 min Scan# 3083

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

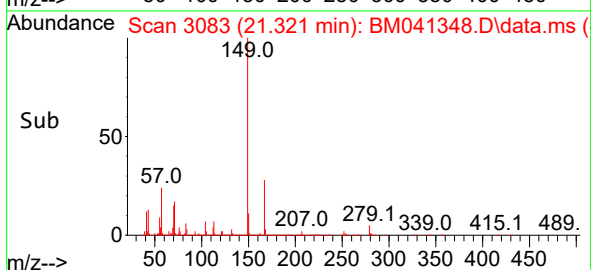
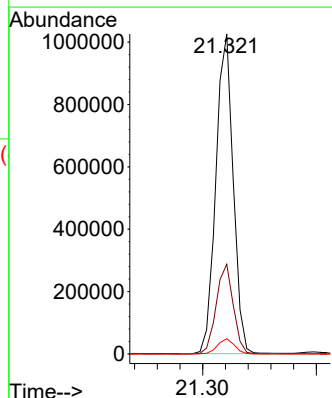
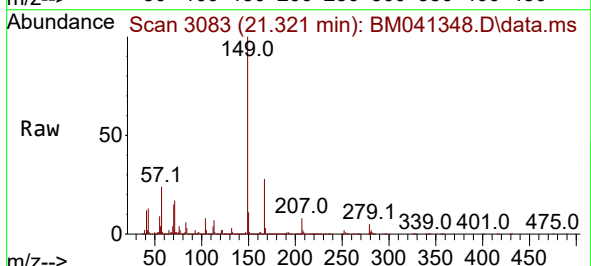
Tgt Ion:149 Resp: 1084471

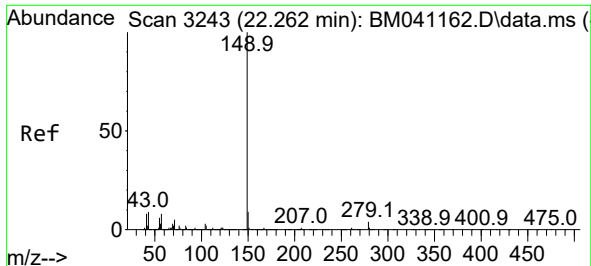
Ion Ratio Lower Upper

149 100

167 28.0 21.0 31.6

279 4.7 3.1 4.7#

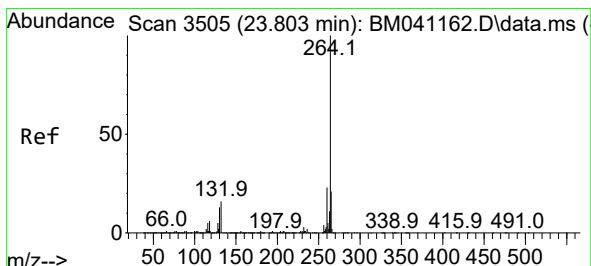
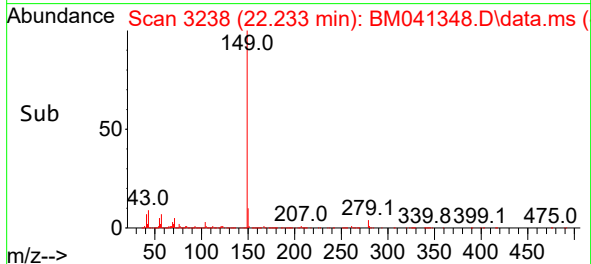
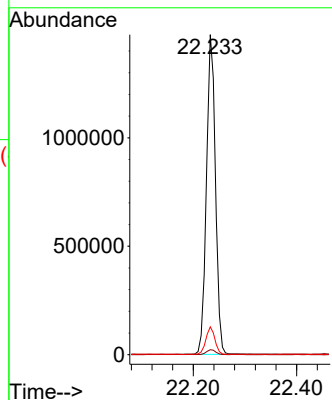
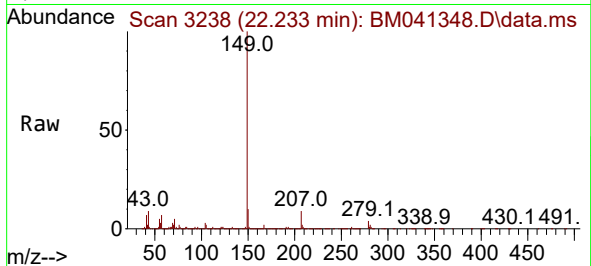




#85  
Di-n-octyl phthalate  
Concen: 53.932 ng  
RT: 22.233 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

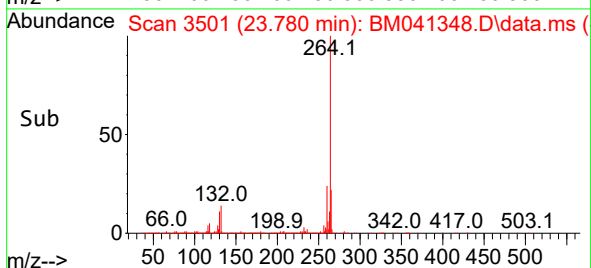
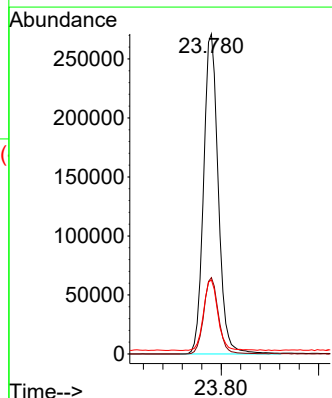
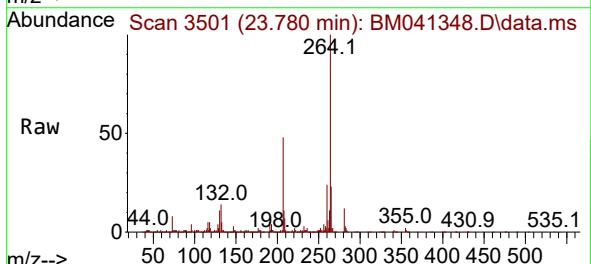
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

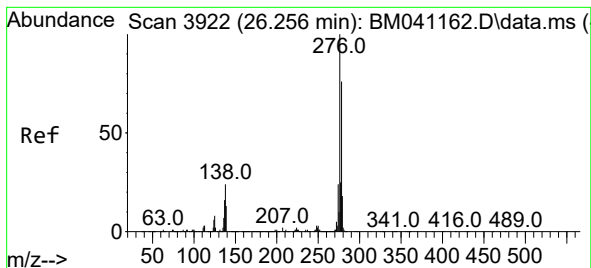
Tgt Ion:149 Resp: 1782234  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 8.5 8.3 12.5



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.780 min Scan# 3501  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:264 Resp: 567427  
Ion Ratio Lower Upper  
264 100  
260 23.9 18.5 27.7  
265 23.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.083 ng

RT: 26.233 min Scan# 3918

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

BNA\_M

ClientSampleId :

TP-38MSD

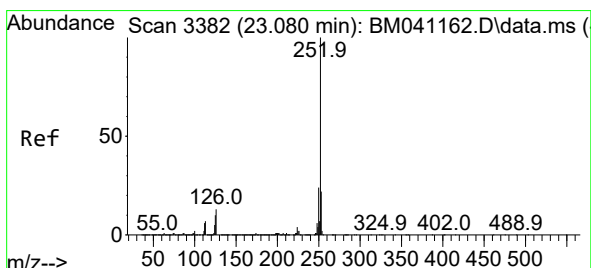
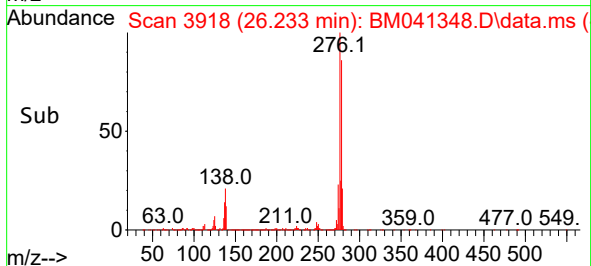
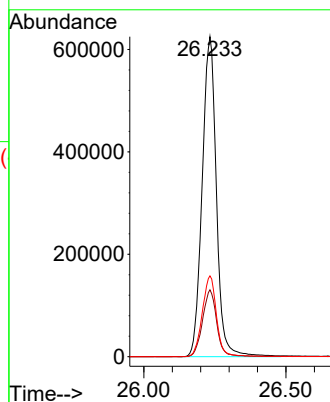
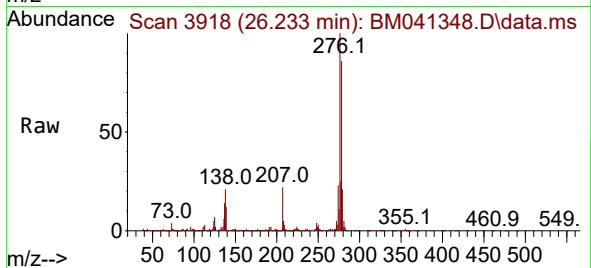
Tgt Ion:276 Resp: 2172794

Ion Ratio Lower Upper

276 100

138 21.0 20.0 30.0

277 25.2 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 51.839 ng

RT: 23.062 min Scan# 3379

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

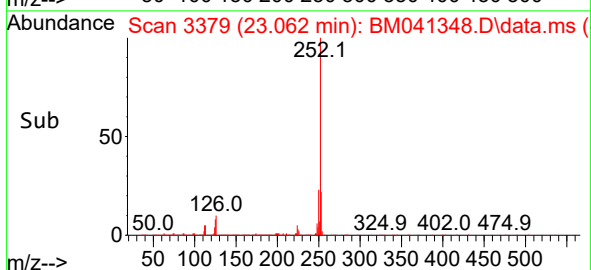
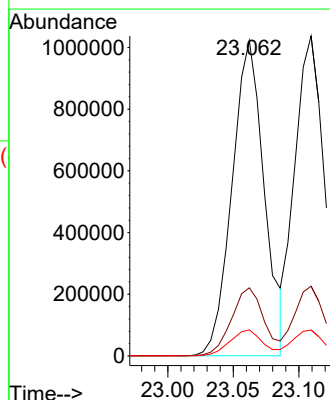
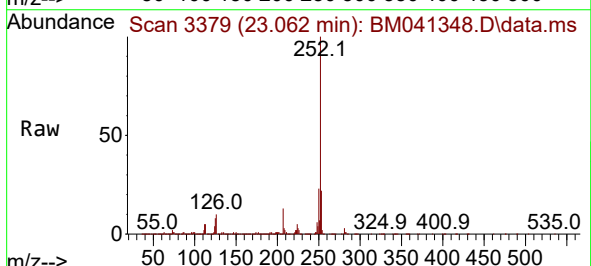
Tgt Ion:252 Resp: 1747437

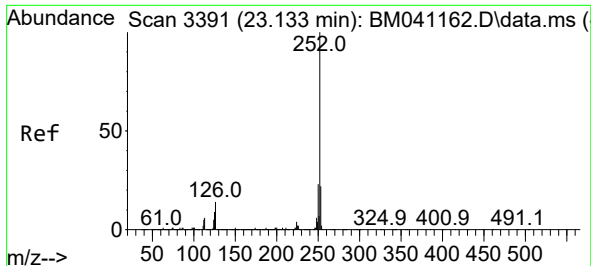
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 8.3 8.2 12.4

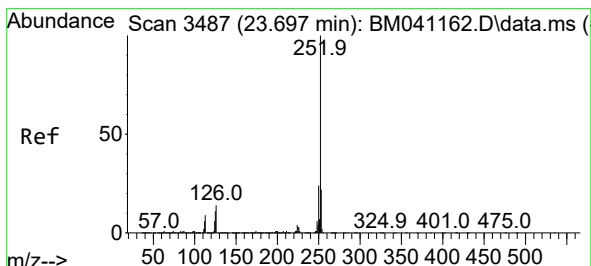
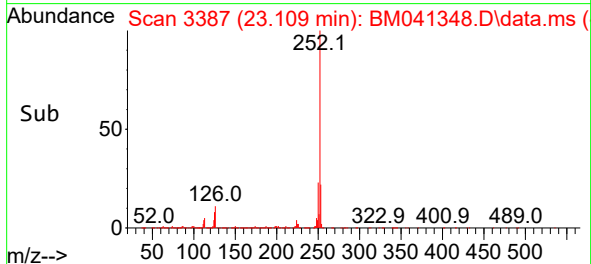
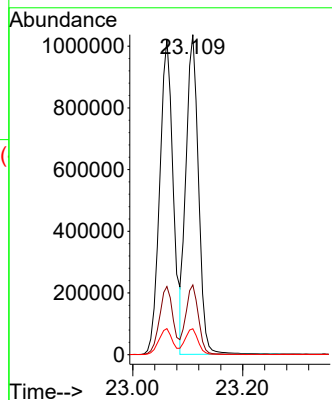
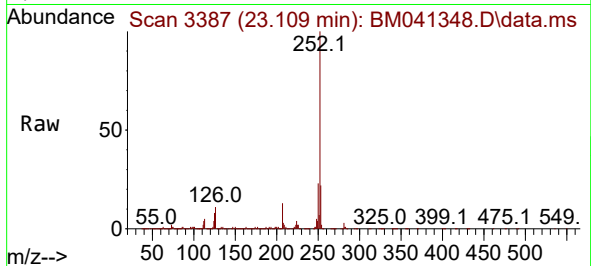




#89  
Benzo(k)fluoranthene  
Concen: 47.538 ng  
RT: 23.109 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

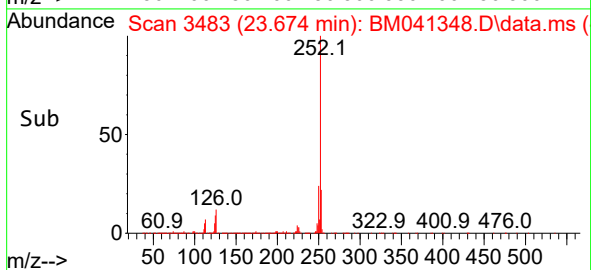
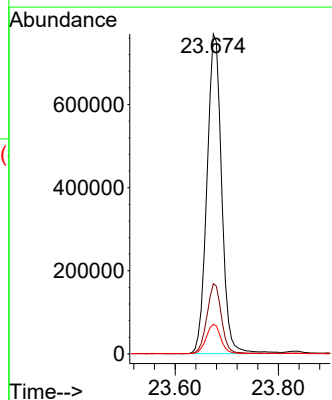
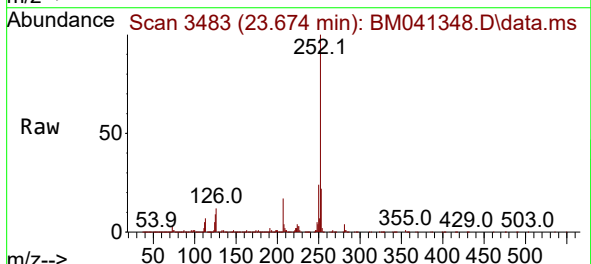
Instrument :  
BNA\_M  
ClientSampleId :  
TP-38MSD

Tgt Ion:252 Resp: 1639137  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.4 26.0  
125 8.1 7.6 11.4

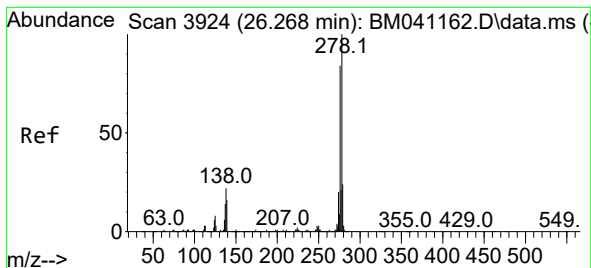


#90  
Benzo(a)pyrene  
Concen: 46.850 ng  
RT: 23.674 min Scan# 3483  
Delta R.T. -0.006 min  
Lab File: BM041348.D  
Acq: 09 Aug 2023 20:24

Tgt Ion:252 Resp: 1517425  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.3 25.9  
125 9.2 9.0 13.4







#91

Dibenzo(a,h)anthracene

Concen: 52.241 ng

RT: 26.244 min Scan# 3924

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Instrument :

BNA\_M

ClientSampleId :

TP-38MSD

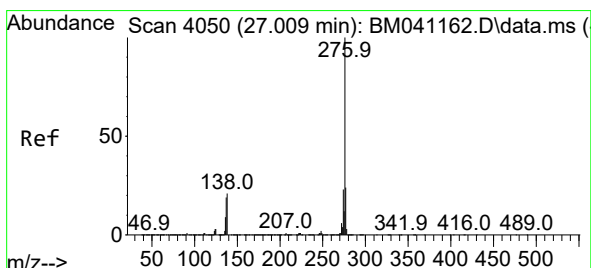
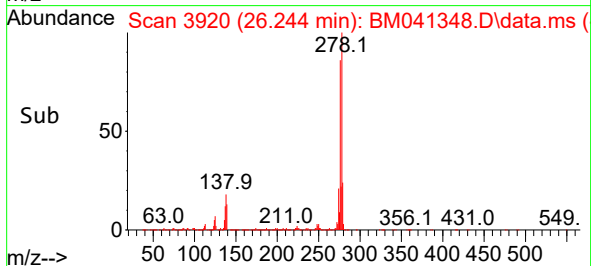
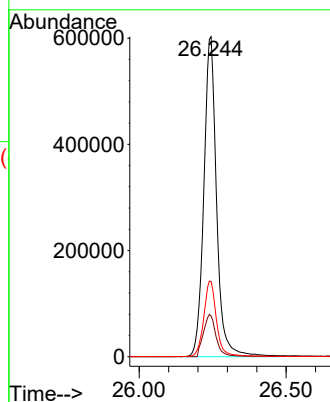
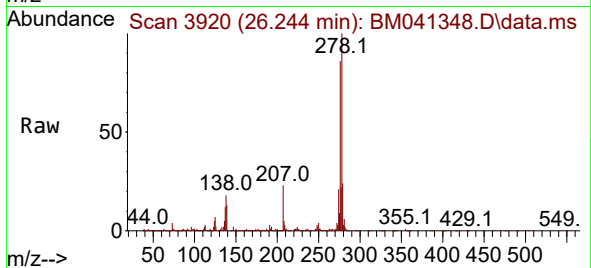
Tgt Ion:278 Resp: 1817798

Ion Ratio Lower Upper

278 100

139 12.7 12.7 19.1#

279 23.6 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 49.577 ng

RT: 26.985 min Scan# 4046

Delta R.T. 0.000 min

Lab File: BM041348.D

Acq: 09 Aug 2023 20:24

Tgt Ion:276 Resp: 1688002

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 18.0 17.1 25.7

