

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011924\  
 Data File : BG060376.D  
 Acq On : 19 Jan 2024 19:43  
 Operator : MA/JU  
 Sample : P1159-03MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-011724MSD

Quant Time: Jan 20 01:22:03 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG010824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 09 04:07:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.932  | 152  | 217890   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.735 | 136  | 974658   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.572 | 164  | 705205   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.321 | 188  | 1665009  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.587 | 240  | 1387222  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.760 | 264  | 1556986  | 20.000  | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.506  | 112  | 1621965  | 122.437 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.098  | 99   | 2044236  | 104.212 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.096  | 82   | 1703492  | 82.530  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.064 | 330  | 1329064  | 128.095 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.191 | 172  | 3925368  | 77.389  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.936 | 244  | 5140985  | 99.800  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.414  | 88   | 216068   | 35.706  | ng    | # 68     |
| 3) Pyridine                   | 3.808  | 79   | 657487   | 38.510  | ng    | 89       |
| 4) n-Nitrosodimethylamine     | 3.720  | 42   | 227270   | 42.533  | ng    | 100      |
| 6) Aniline                    | 7.257  | 93   | 210587   | 10.740  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.498  | 128  | 532945   | 40.594  | ng    | 94       |
| 9) Benzaldehyde               | 7.069  | 77   | 270014   | 23.981  | ng    | 93       |
| 10) Phenol                    | 7.127  | 94   | 725879   | 36.907  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.351  | 93   | 566264   | 35.333  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.821  | 146  | 587801   | 35.670  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.968  | 146  | 604557   | 36.158  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.285  | 146  | 645197   | 37.528  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.167  | 79   | 479473   | 37.760  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.443  | 45   | 771303   | 39.652  | ng    | 98       |
| 17) 2-Methylphenol            | 8.373  | 107  | 546720   | 40.472  | ng    | 98       |
| 18) Hexachloroethane          | 9.013  | 117  | 235208   | 40.123  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.731  | 70   | 512862   | 37.776  | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.702  | 107  | 761452   | 41.806  | ng    | 99       |
| 22) Acetophenone              | 8.755  | 105  | 985898   | 36.799  | ng    | # 99     |
| 24) Nitrobenzene              | 9.137  | 77   | 734782   | 34.340  | ng    | 95       |
| 25) Isophorone                | 9.654  | 82   | 1422494  | 34.317  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.848  | 139  | 330159   | 41.966  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 9.906  | 122  | 470800   | 45.289  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.136 | 93   | 895176   | 35.345  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.382 | 162  | 688527   | 40.872  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.600 | 180  | 748991   | 35.738  | ng    | 92       |
| 31) Naphthalene               | 10.788 | 128  | 1841652  | 36.047  | ng    | 99       |
| 32) Benzoic acid              | 10.042 | 122  | 312964   | 37.046  | ng    | 93       |
| 33) 4-Chloroaniline           | 10.894 | 127  | 57625    | 2.927   | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.064 | 225  | 466167   | 34.145  | ng    | 99       |
| 35) Caprolactam               | 11.669 | 113  | 152846   | 28.170  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 12.022 | 107  | 674252   | 39.398  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.392 | 142  | 1380133  | 36.423  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.615 | 142  | 1320124  | 34.695  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.762 | 216  | 934441   | 37.310  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.738 | 237  | 530639   | 63.815  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.003 | 196  | 638636   | 40.068  | ng    | 98       |

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 ALS Vial : 15 Sample Multiplier: 1

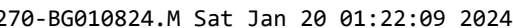
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-011724MSD

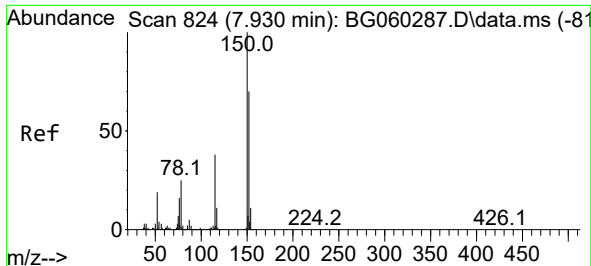
Quant Time: Jan 20 01:22:03 2024  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 09 04:07:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.079 | 196  | 680833   | 38.727 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.402 | 154  | 1973566  | 37.075 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.444 | 162  | 1650667  | 36.197 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.649 | 65   | 455383   | 40.098 | ng    | 97       |
| 49) Acenaphthylene            | 14.295 | 152  | 2543057  | 40.496 | ng    | 99       |
| 50) Dimethylphthalate         | 14.025 | 163  | 1932331  | 35.857 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.143 | 165  | 435508   | 37.873 | ng    | 96       |
| 52) Acenaphthene              | 14.636 | 154  | 1447716  | 37.023 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.478 | 138  | 105358   | 10.055 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 14.683 | 184  | 336834   | 51.713 | ng    | 97       |
| 55) Dibenzofuran              | 14.971 | 168  | 2498521  | 38.276 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.789 | 139  | 680075   | 87.504 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 14.936 | 165  | 619345   | 39.277 | ng    | 92       |
| 58) Fluorene                  | 15.617 | 166  | 2019637  | 37.361 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.194 | 232  | 616138   | 41.273 | ng    | 99       |
| 60) Diethylphthalate          | 15.388 | 149  | 1907150  | 36.863 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.612 | 204  | 1086298  | 36.479 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.641 | 138  | 395617   | 35.475 | ng    | 96       |
| 63) Azobenzene                | 15.905 | 77   | 1918767  | 36.668 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.700 | 198  | 273421   | 29.684 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.829 | 169  | 1744858  | 39.467 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.505 | 248  | 710362   | 38.828 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.622 | 284  | 788448   | 36.408 | ng    | 98       |
| 69) Atrazine                  | 16.775 | 200  | 569508   | 34.163 | ng    | 99       |
| 70) Pentachlorophenol         | 16.969 | 266  | 973792   | 83.422 | ng    | 93       |
| 71) Phenanthrene              | 17.362 | 178  | 3149253  | 39.131 | ng    | 97       |
| 72) Anthracene                | 17.451 | 178  | 3225824  | 40.147 | ng    | 98       |
| 73) Carbazole                 | 17.721 | 167  | 2864511  | 37.815 | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.279 | 149  | 3163966  | 40.594 | ng    | 98       |
| 75) Fluoranthene              | 19.378 | 202  | 3532803  | 36.548 | ng    | 94       |
| 77) Benzidine                 | 19.583 | 184  | 553349   | 18.361 | ng    | 100      |
| 78) Pyrene                    | 19.736 | 202  | 3620765  | 40.872 | ng    | 93       |
| 80) Butylbenzylphthalate      | 20.623 | 149  | 1409285  | 46.240 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.563 | 228  | 3467204  | 40.373 | ng    | 96       |
| 82) 3,3'-Dichlorobenzidine    | 21.481 | 252  | 588421   | 17.891 | ng    | 97       |
| 83) Chrysene                  | 21.634 | 228  | 3281423  | 38.850 | ng    | 95       |
| 84) Bis(2-ethylhexyl)phtha... | 21.469 | 149  | 2048012  | 44.469 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.656 | 149  | 3488989  | 46.749 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.373 | 276  | 3409649  | 31.495 | ng    | # 81     |
| 88) Benzo(b)fluoranthene      | 23.749 | 252  | 3481009  | 37.845 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 23.814 | 252  | 3605132  | 39.719 | ng    | 97       |
| 90) Benzo(a)pyrene            | 24.607 | 252  | 3306315  | 39.792 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.444 | 278  | 2978199  | 33.686 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 29.507 | 276  | 2120408  | 23.401 | ng    | 97       |

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

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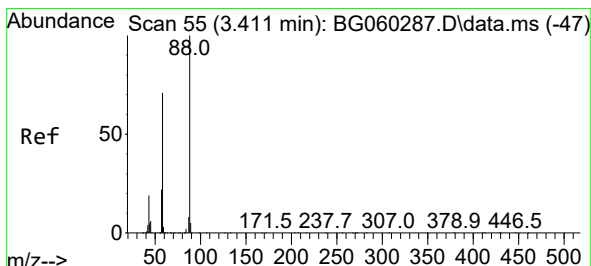
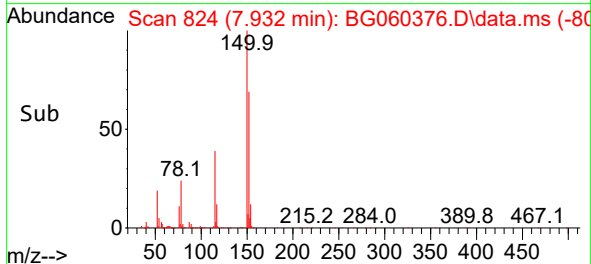
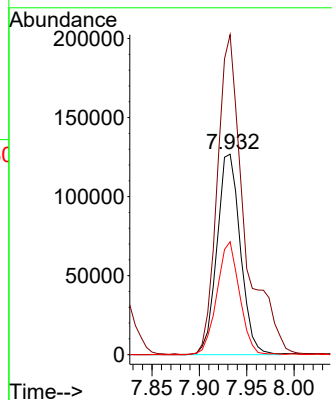
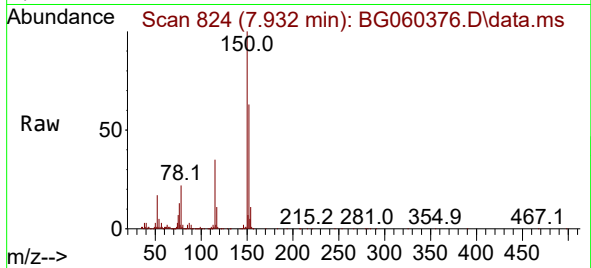




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.932 min Scan# 81  
Delta R.T. 0.002 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

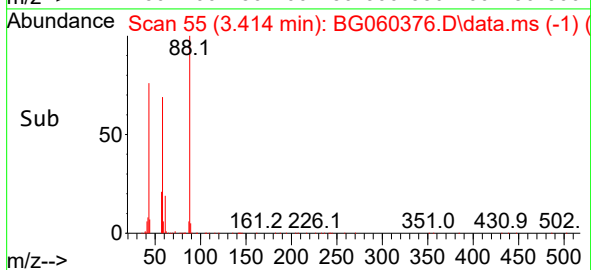
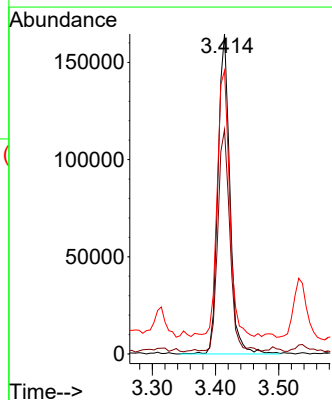
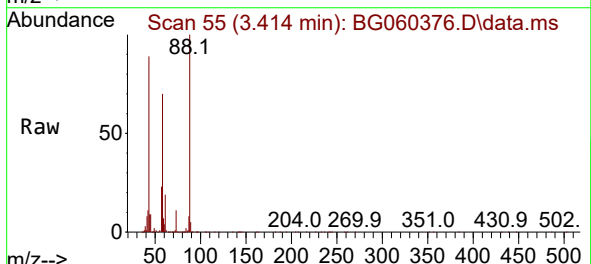
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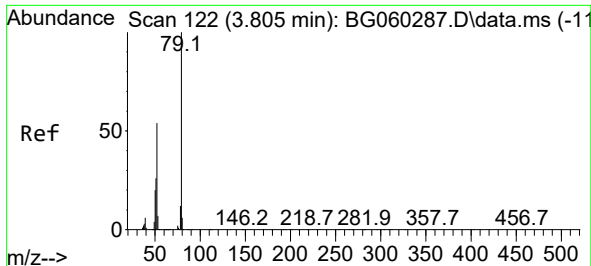
Tgt Ion:152 Resp: 217890  
Ion Ratio Lower Upper  
152 100  
150 159.6 114.5 171.7  
115 56.3 43.0 64.6



#2  
1,4-Dioxane  
Concen: 35.706 ng  
RT: 3.414 min Scan# 55  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion: 88 Resp: 216068  
Ion Ratio Lower Upper  
88 100  
58 69.3 55.9 83.9  
43 85.4 16.6 24.8

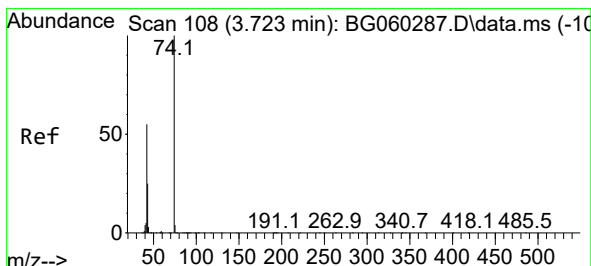
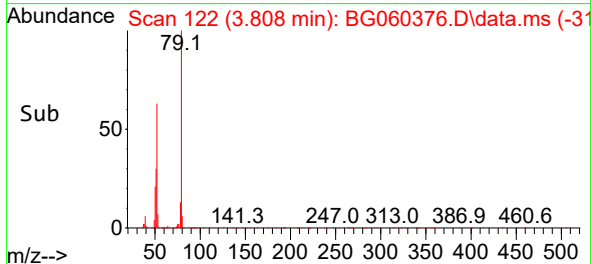
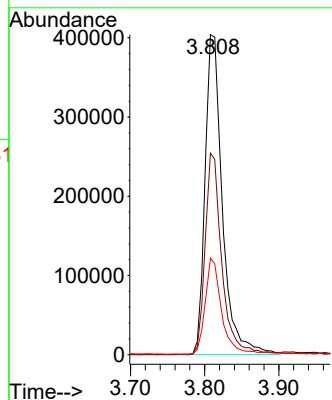
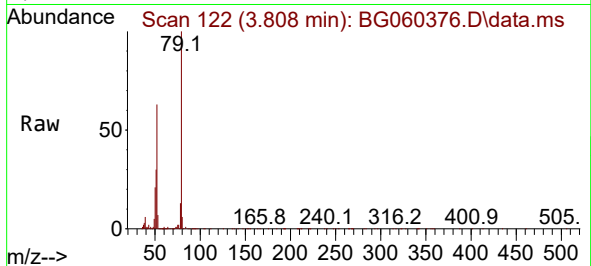




#3  
Pyridine  
Concen: 38.510 ng  
RT: 3.808 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

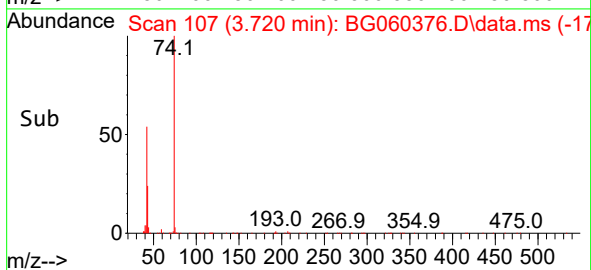
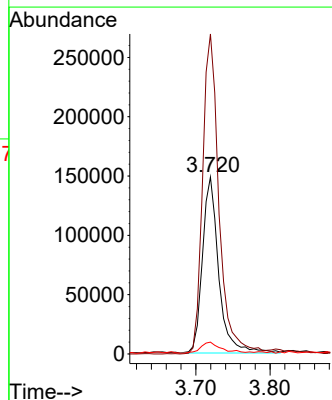
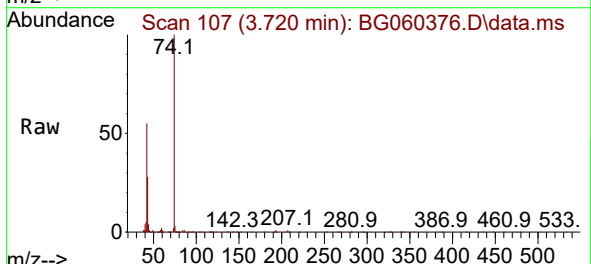
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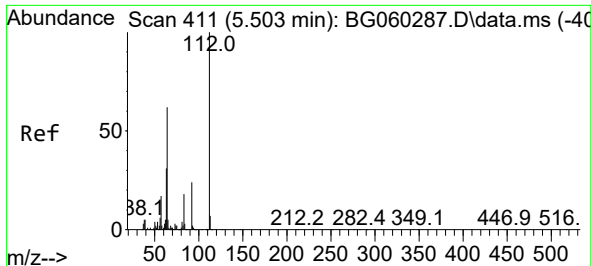
Tgt Ion: 79 Resp: 657487  
Ion Ratio Lower Upper  
79 100  
52 63.0 43.2 64.8  
51 30.2 21.4 32.2



#4  
n-Nitrosodimethylamine  
Concen: 42.533 ng  
RT: 3.720 min Scan# 107  
Delta R.T. -0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion: 42 Resp: 227270  
Ion Ratio Lower Upper  
42 100  
74 180.8 145.1 217.7  
44 6.7 5.2 7.8

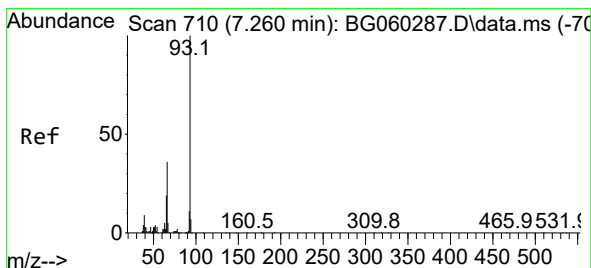
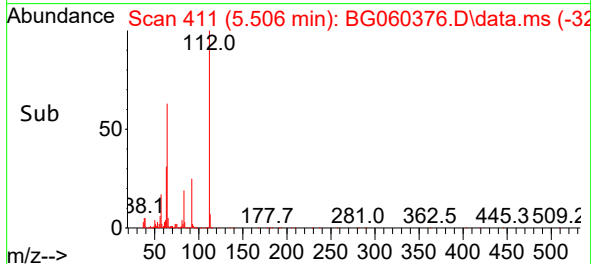
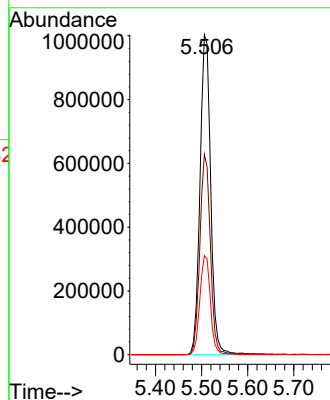
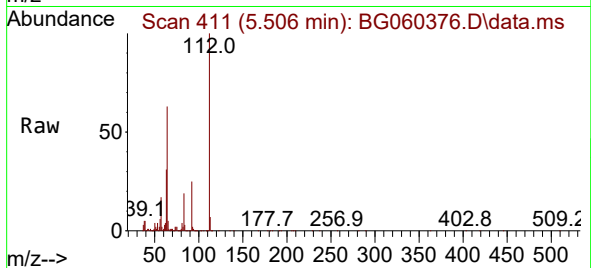




#5  
2-Fluorophenol  
Concen: 122.437 ng  
RT: 5.506 min Scan# 411  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

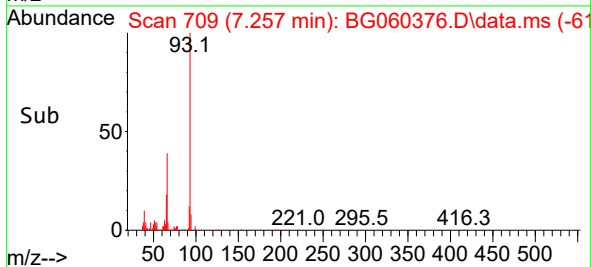
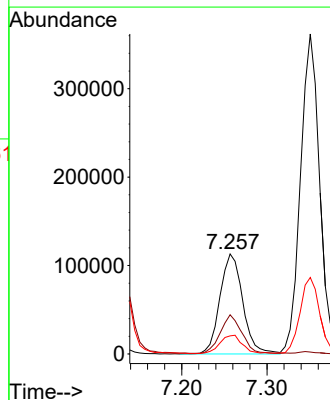
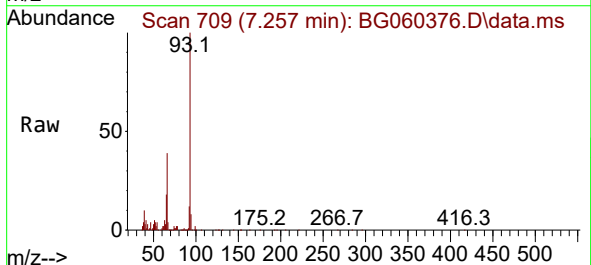
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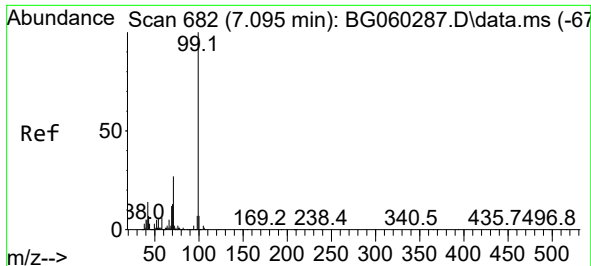
Tgt Ion:112 Resp: 1621965  
Ion Ratio Lower Upper  
112 100  
64 62.7 49.8 74.6  
63 30.9 24.4 36.6



#6  
Aniline  
Concen: 10.740 ng  
RT: 7.257 min Scan# 709  
Delta R.T. -0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion: 93 Resp: 210587  
Ion Ratio Lower Upper  
93 100  
66 39.2 29.0 43.4  
65 18.1 15.1 22.7





#7

Phenol-d6

Concen: 104.212 ng

RT: 7.098 min Scan# 61

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Instrument :

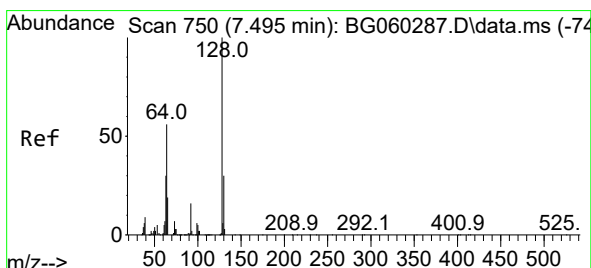
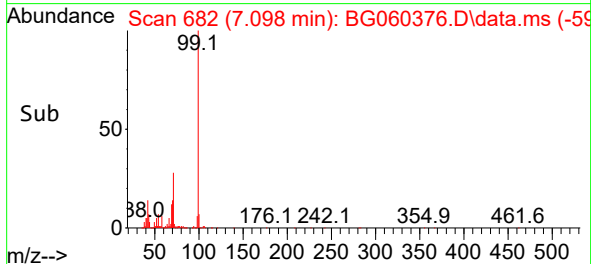
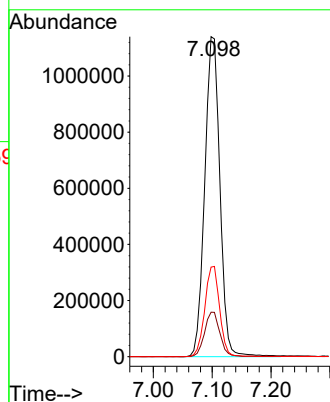
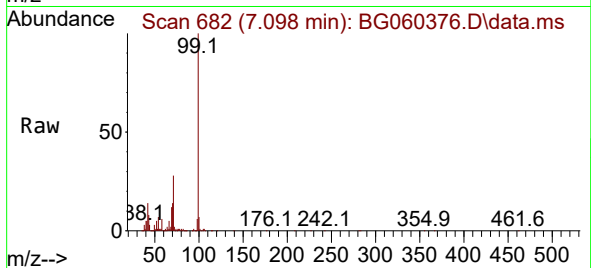
BNA\_G

ClientSampleId :

TP-011724MSD

Tgt Ion: 99 Resp: 2044236

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.9  | 10.9  | 16.3  |
| 71  | 28.0  | 21.5  | 32.3  |



#8

2-Chlorophenol

Concen: 40.594 ng

RT: 7.498 min Scan# 750

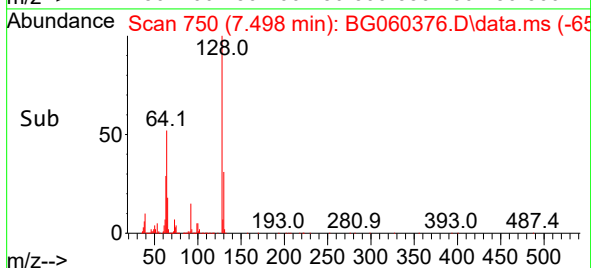
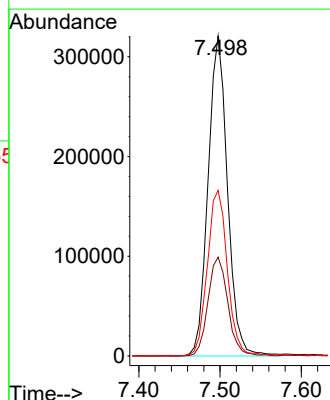
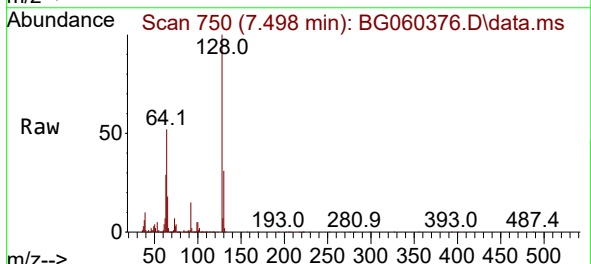
Delta R.T. 0.003 min

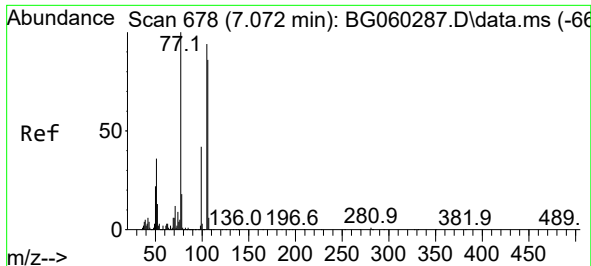
Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Tgt Ion:128 Resp: 532945

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 30.9  | 9.9   | 49.9  |
| 64  | 51.8  | 37.8  | 77.8  |

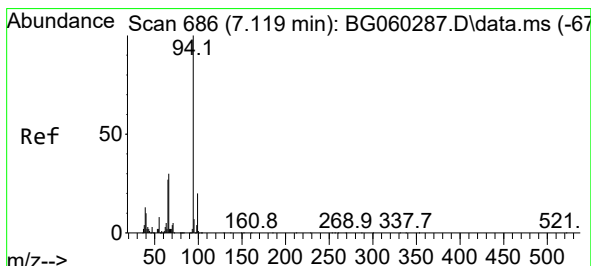
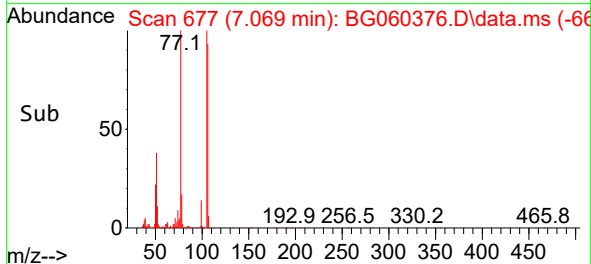
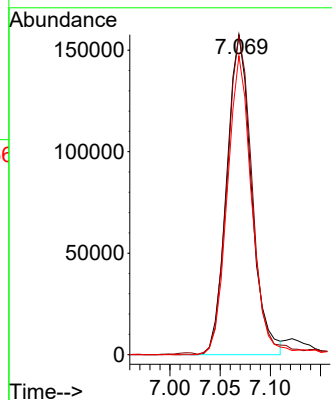
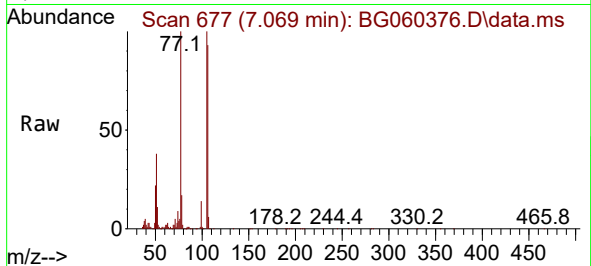




#9  
Benzaldehyde  
Concen: 23.981 ng  
RT: 7.069 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

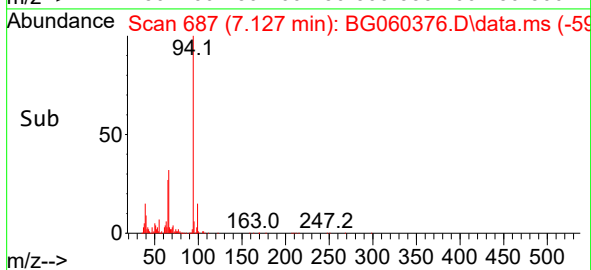
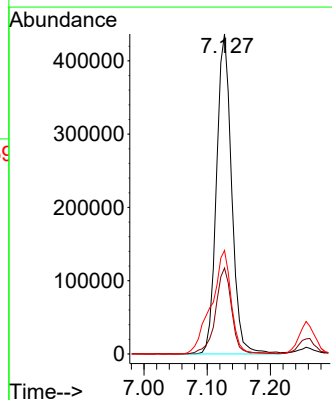
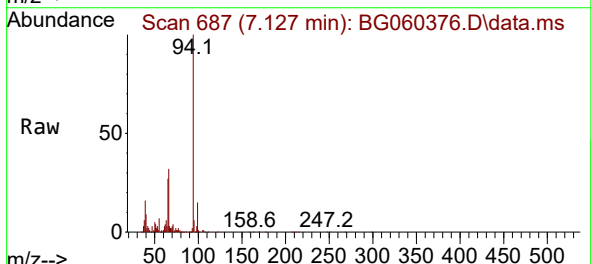
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

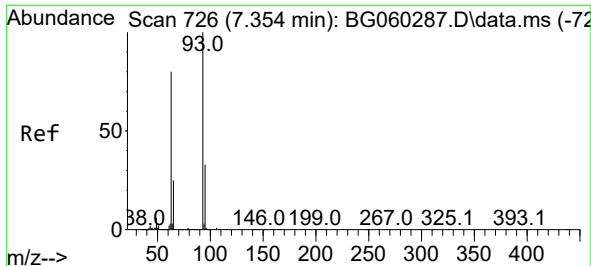
Tgt Ion: 77 Resp: 270014  
Ion Ratio Lower Upper  
77 100  
105 99.7 73.6 113.6  
106 93.4 66.2 106.2



#10  
Phenol  
Concen: 36.907 ng  
RT: 7.127 min Scan# 687  
Delta R.T. 0.009 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion: 94 Resp: 725879  
Ion Ratio Lower Upper  
94 100  
65 26.8 6.7 46.7  
66 32.4 10.6 50.6

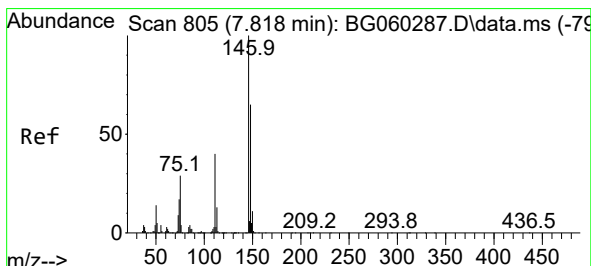
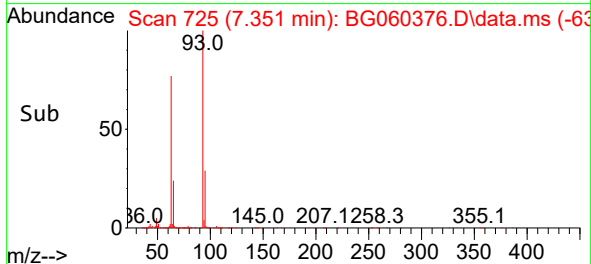
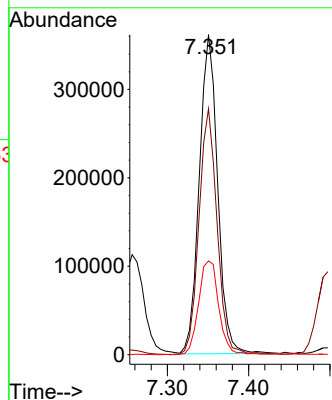
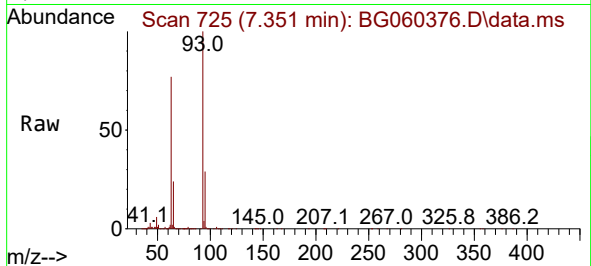




#11  
bis(2-Chloroethyl)ether  
Concen: 35.333 ng  
RT: 7.351 min Scan# 726  
Delta R.T. -0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

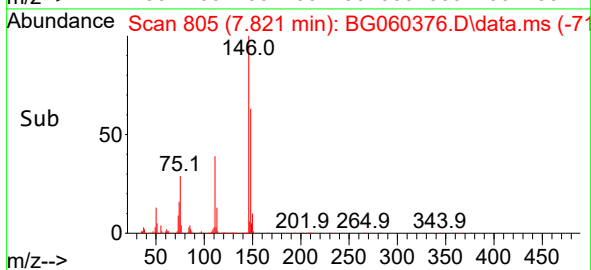
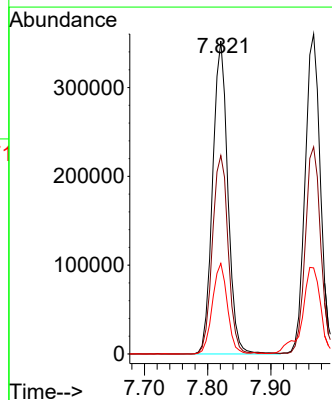
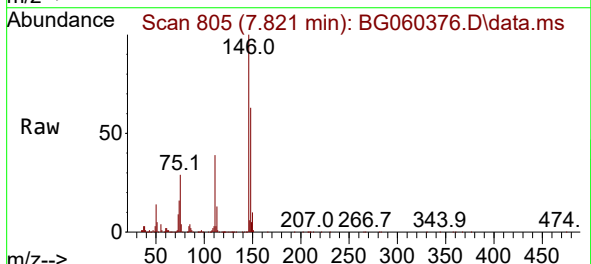
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

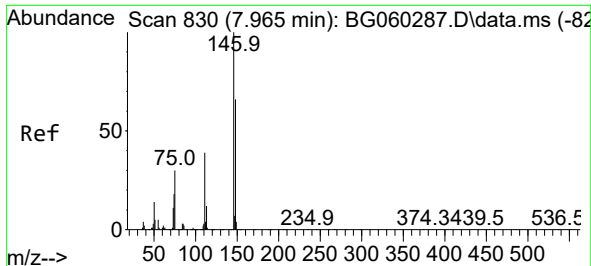
Tgt Ion: 93 Resp: 566264  
Ion Ratio Lower Upper  
93 100  
63 76.8 59.3 99.3  
95 29.3 12.8 52.8



#12  
1,3-Dichlorobenzene  
Concen: 35.670 ng  
RT: 7.821 min Scan# 805  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion: 146 Resp: 587801  
Ion Ratio Lower Upper  
146 100  
148 63.4 52.3 78.5  
75 29.0 22.9 34.3

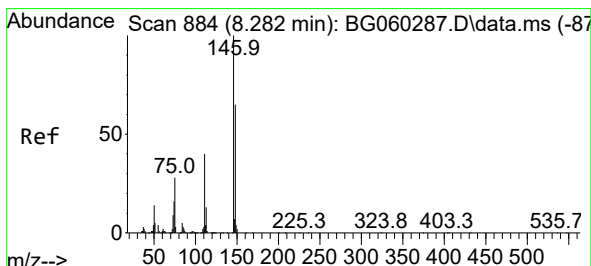
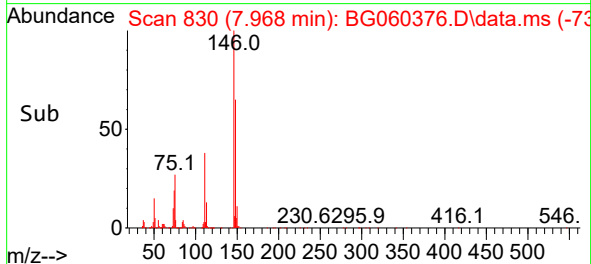
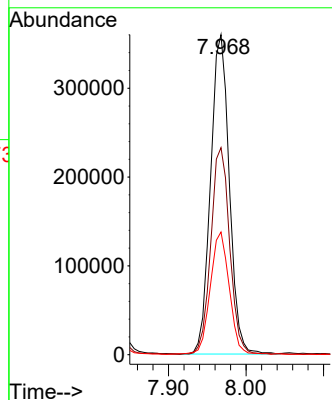
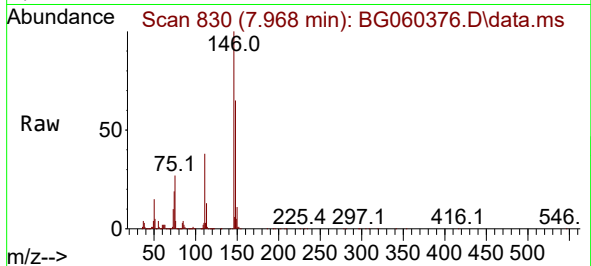




#13  
1,4-Dichlorobenzene  
Concen: 36.158 ng  
RT: 7.968 min Scan# 811  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

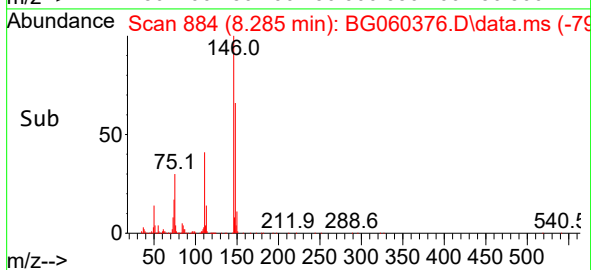
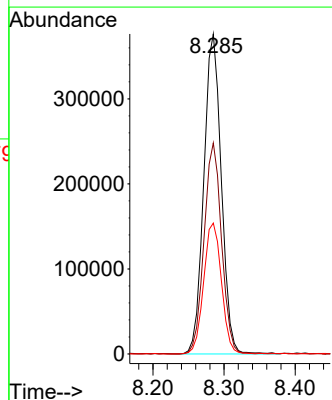
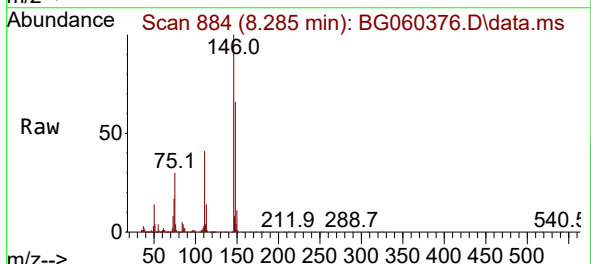
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

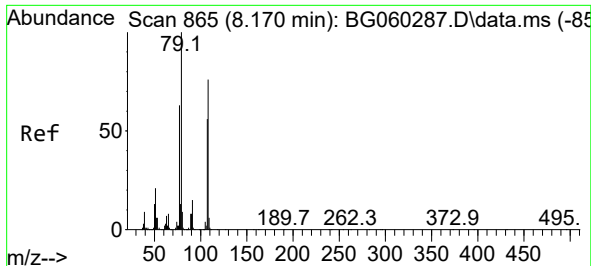
Tgt Ion:146 Resp: 604557  
Ion Ratio Lower Upper  
146 100  
148 64.7 52.7 79.1  
111 38.3 31.4 47.0



#14  
1,2-Dichlorobenzene  
Concen: 37.528 ng  
RT: 8.285 min Scan# 884  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:146 Resp: 645197  
Ion Ratio Lower Upper  
146 100  
148 66.0 51.8 77.8  
111 40.9 32.6 48.8

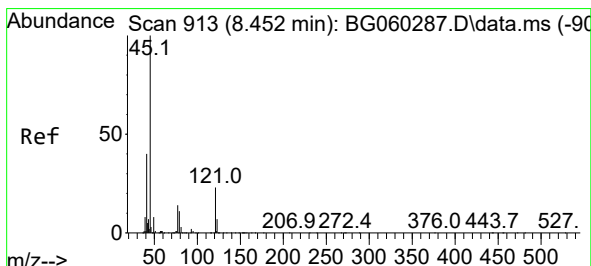
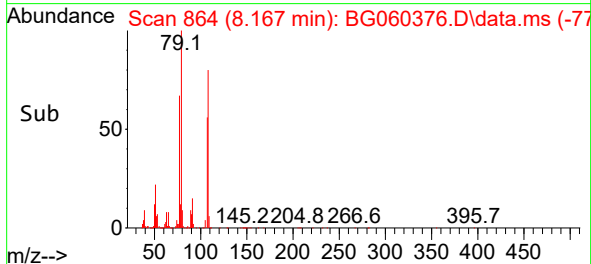
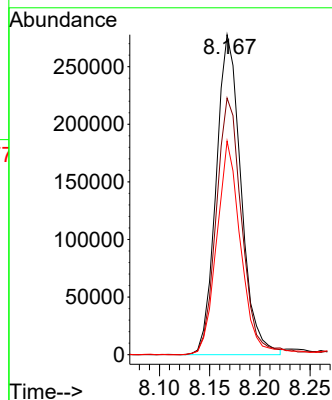
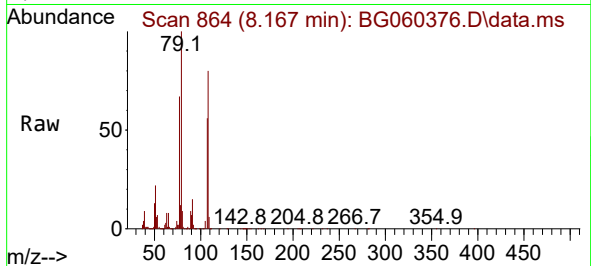




#15  
Benzyl Alcohol  
Concen: 37.760 ng  
RT: 8.167 min Scan# 80  
Delta R.T. -0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

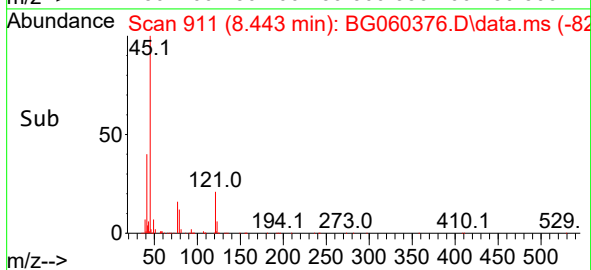
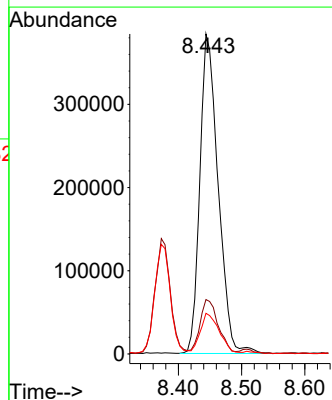
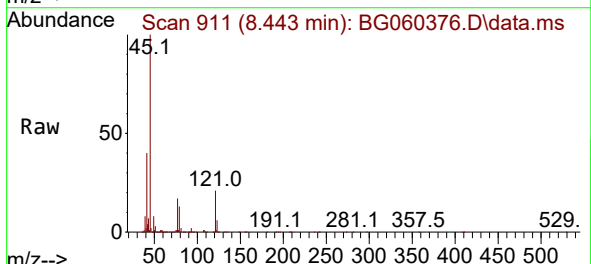
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

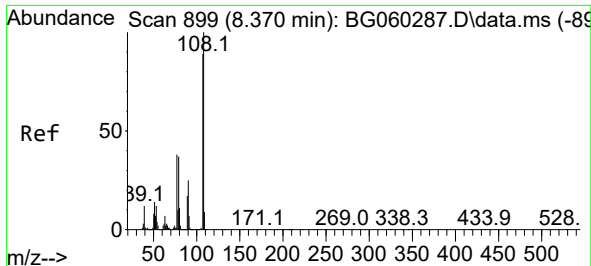
Tgt Ion: 79 Resp: 479473  
Ion Ratio Lower Upper  
79 100  
108 80.2 61.2 91.8  
77 66.7 50.3 75.5



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 39.652 ng  
RT: 8.443 min Scan# 911  
Delta R.T. -0.009 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion: 45 Resp: 771303  
Ion Ratio Lower Upper  
45 100  
77 17.0 0.0 37.3  
79 12.7 0.0 34.0





#17

2-Methylphenol

Concen: 40.472 ng

RT: 8.373 min Scan# 899

Delta R.T. 0.003 min

Lab File: BG060376.D

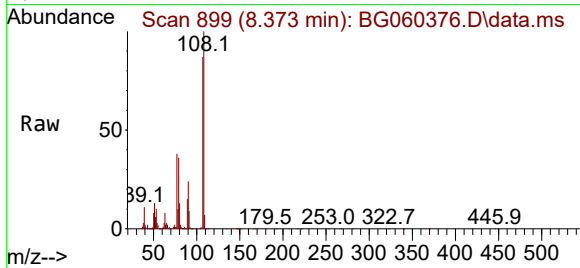
Acq: 19 Jan 2024 19:43

Instrument :

BNA\_G

ClientSampleId :

TP-011724MSD



Tgt Ion:107 Resp: 546720

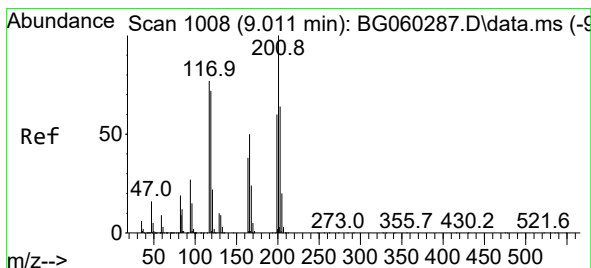
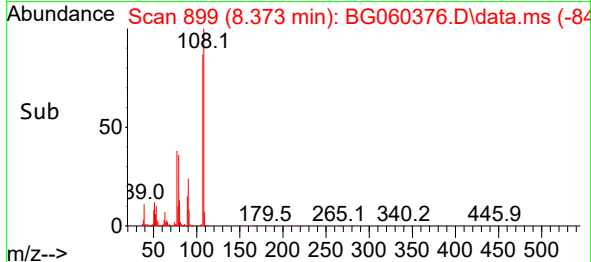
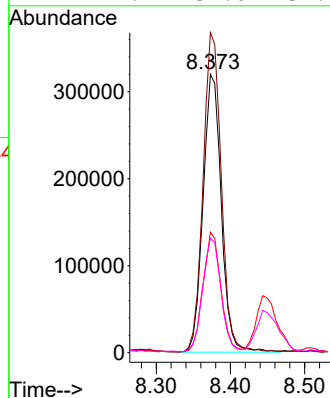
Ion Ratio Lower Upper

107 100

108 115.0 90.5 135.7

77 43.3 35.0 52.6

79 41.2 34.0 51.0



#18

Hexachloroethane

Concen: 40.123 ng

RT: 9.013 min Scan# 1008

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

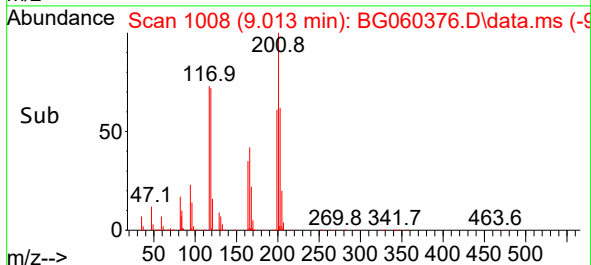
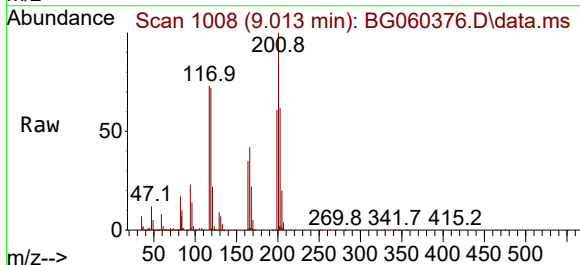
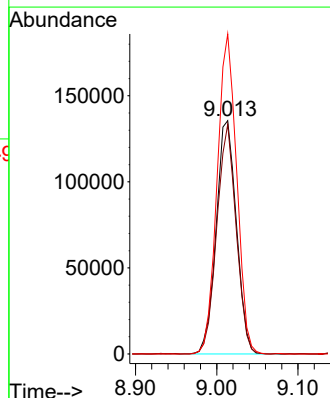
Tgt Ion:117 Resp: 235208

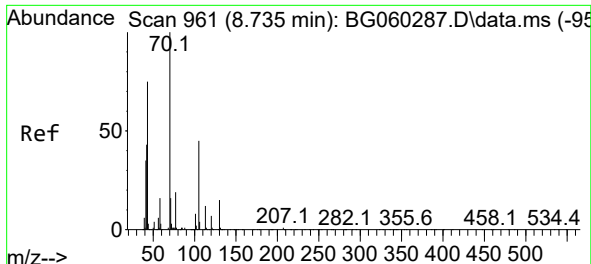
Ion Ratio Lower Upper

117 100

119 98.4 74.5 111.7

201 140.5 106.3 159.5



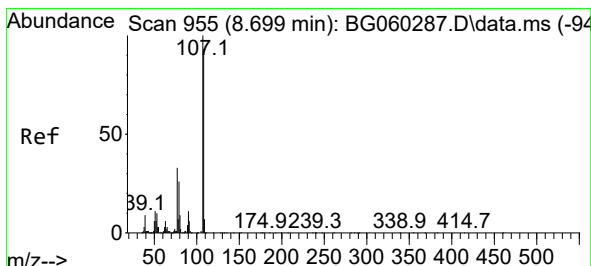
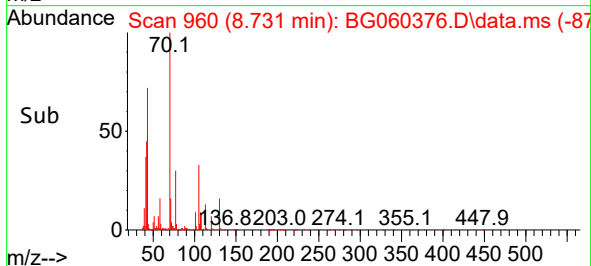
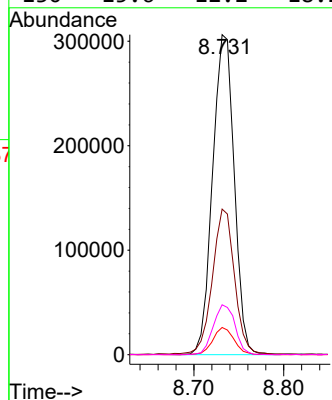
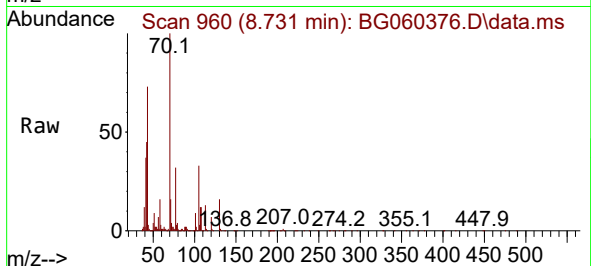


#19  
n-Nitroso-di-n-propylamine  
Concen: 37.776 ng  
RT: 8.731 min Scan# 961  
Delta R.T. -0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

Tgt Ion: 70 Resp: 512862

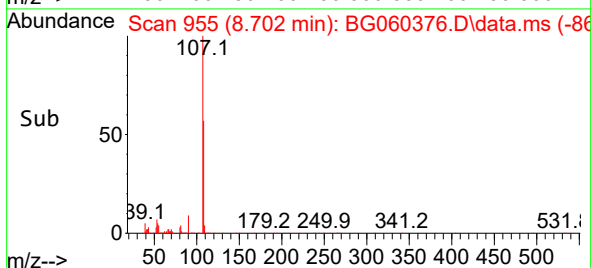
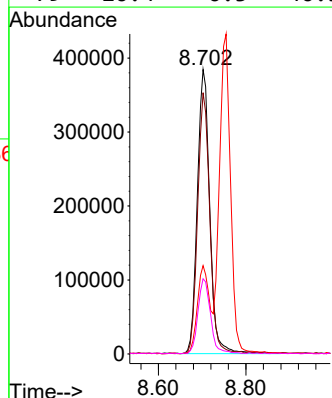
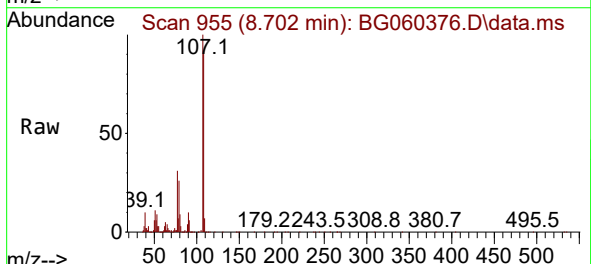
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 45.5  | 34.3  | 51.5  |
| 101 | 8.5   | 6.2   | 9.2   |
| 130 | 15.6  | 12.2  | 18.2  |

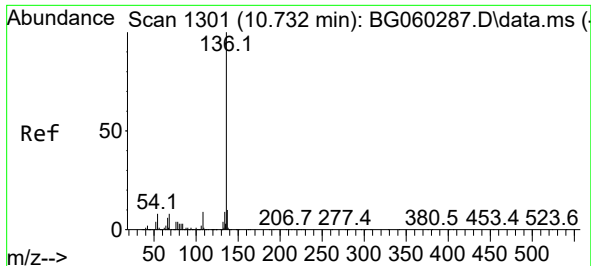


#20  
3+4-Methylphenols  
Concen: 41.806 ng  
RT: 8.702 min Scan# 955  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion: 107 Resp: 761452

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 91.8  | 72.5  | 112.5 |
| 77  | 31.1  | 13.0  | 53.0  |
| 79  | 26.4  | 6.3   | 46.3  |

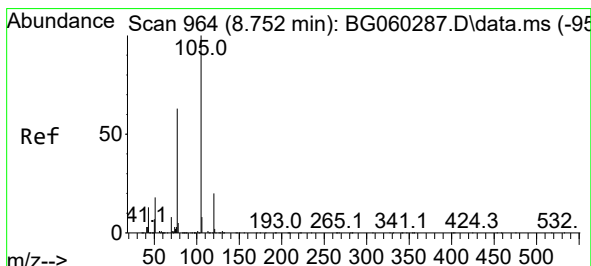
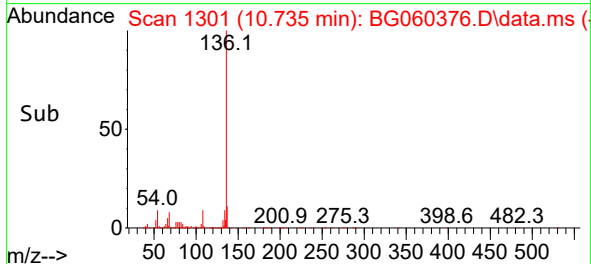
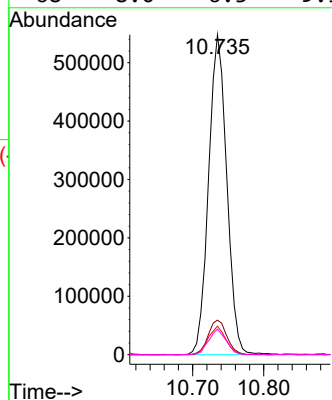
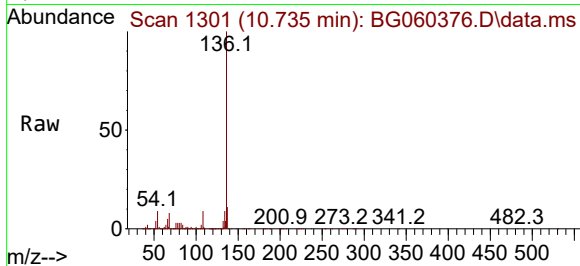




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.735 min Scan# 1301  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

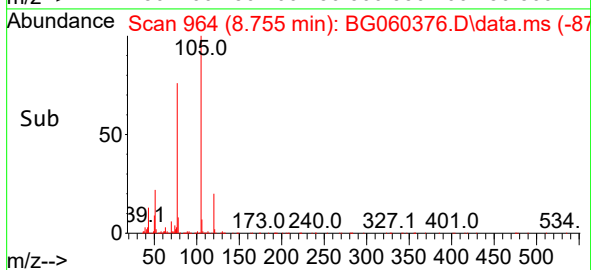
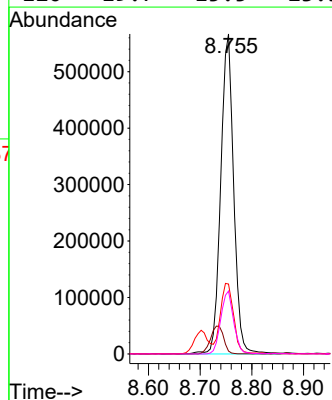
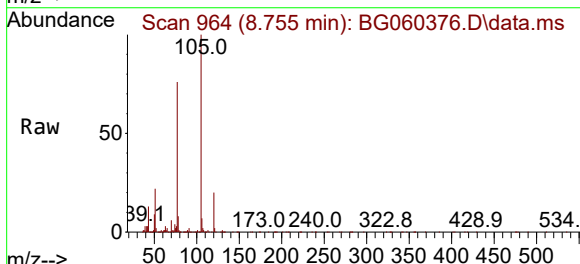
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

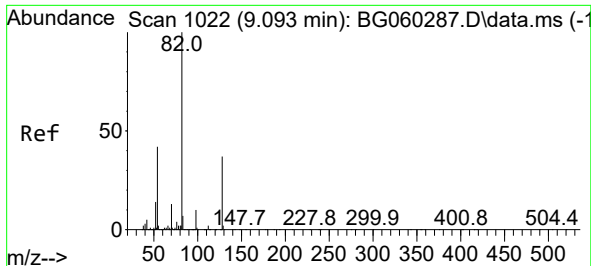
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 974658 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.8  | 8.2   | 12.4   |
| 54        | 8.9   | 6.2   | 9.2    |
| 68        | 8.0   | 6.3   | 9.5    |



#22  
Acetophenone  
Concen: 36.799 ng  
RT: 8.755 min Scan# 964  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 985898 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 0.9   | 1.7   | 2.5    |
| 51        | 21.8  | 18.2  | 27.2   |
| 120       | 19.7  | 15.5  | 23.3   |

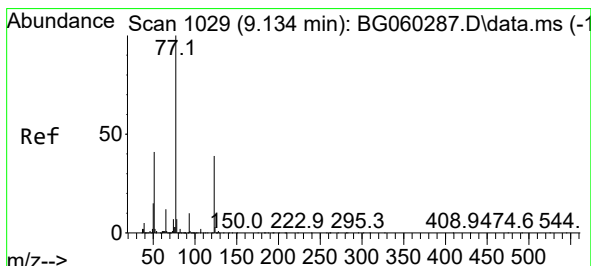
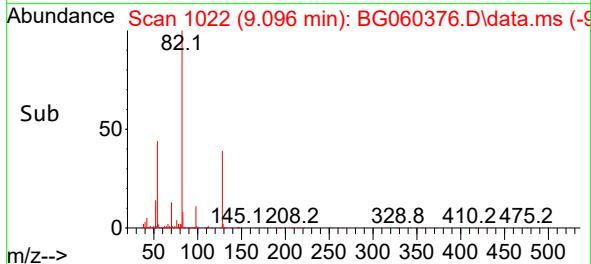
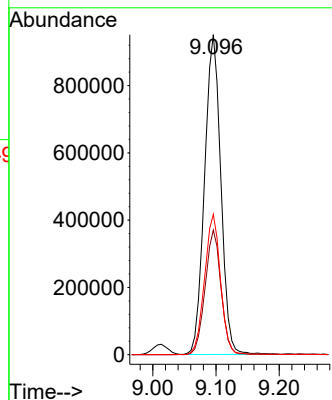
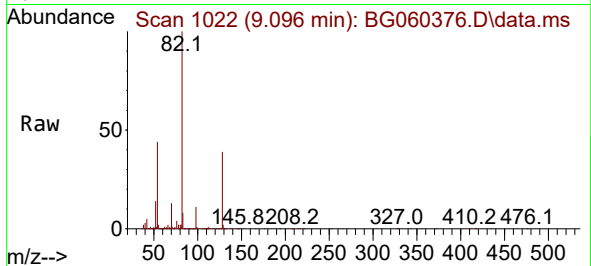




#23  
Nitrobenzene-d5  
Concen: 82.530 ng  
RT: 9.096 min Scan# 1022  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

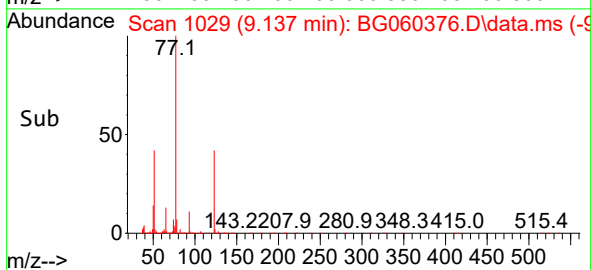
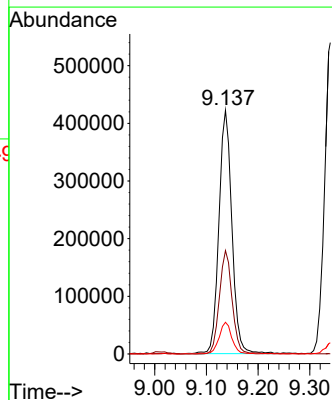
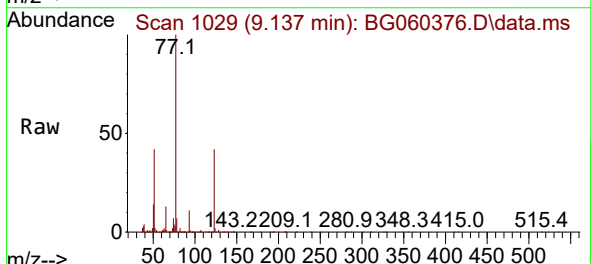
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

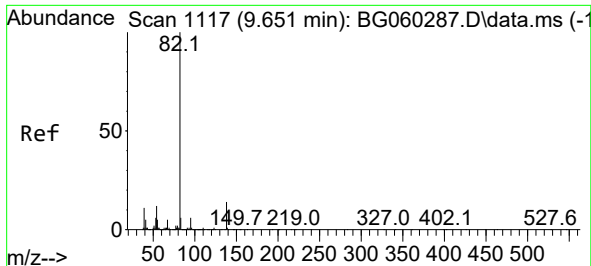
Tgt Ion: 82 Resp: 1703492  
Ion Ratio Lower Upper  
82 100  
128 39.0 29.6 44.4  
54 43.8 33.6 50.4



#24  
Nitrobenzene  
Concen: 34.340 ng  
RT: 9.137 min Scan# 1029  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion: 77 Resp: 734782  
Ion Ratio Lower Upper  
77 100  
123 42.4 31.4 47.0  
65 13.0 9.6 14.4

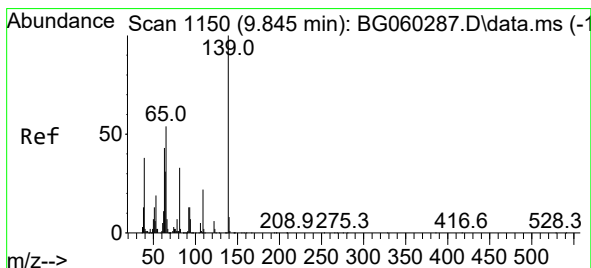
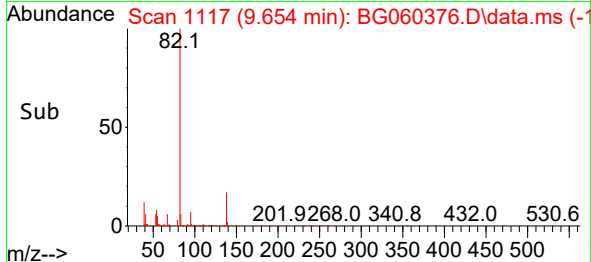
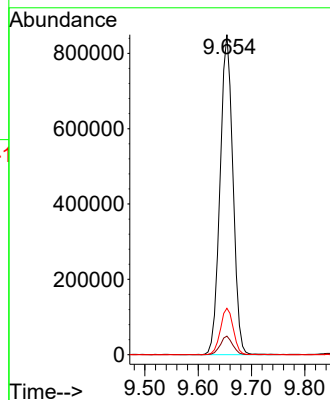
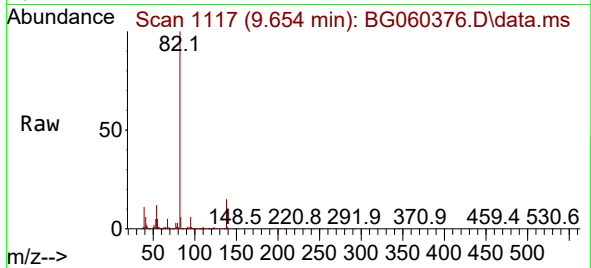




#25  
Isophorone  
Concen: 34.317 ng  
RT: 9.654 min Scan# 1117  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

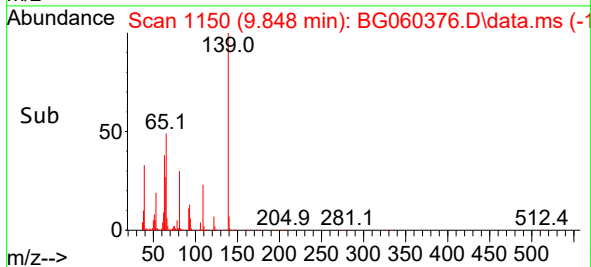
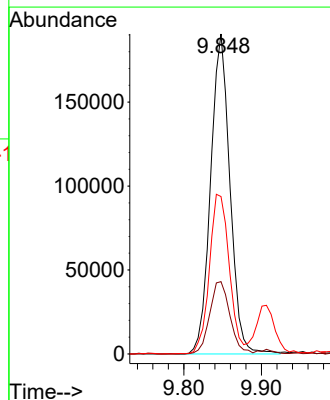
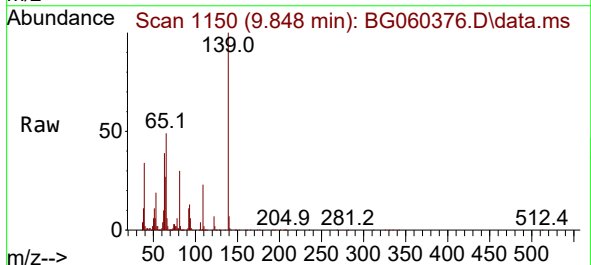
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

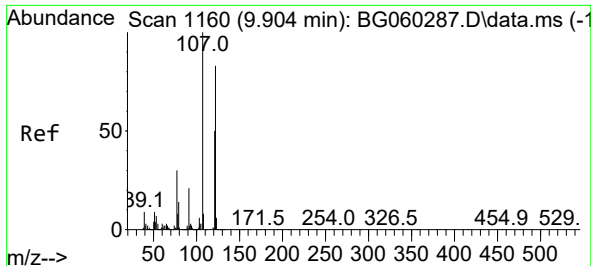
Tgt Ion: 82 Resp: 1422494  
Ion Ratio Lower Upper  
82 100  
95 5.8 4.7 7.1  
138 14.5 11.1 16.7



#26  
2-Nitrophenol  
Concen: 41.966 ng  
RT: 9.848 min Scan# 1150  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:139 Resp: 330159  
Ion Ratio Lower Upper  
139 100  
109 22.6 17.6 26.4  
65 49.2 43.6 65.4





#27

2,4-Dimethylphenol

Concen: 45.289 ng

RT: 9.906 min Scan# 1160

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Instrument :

BNA\_G

ClientSampleId :

TP-011724MSD

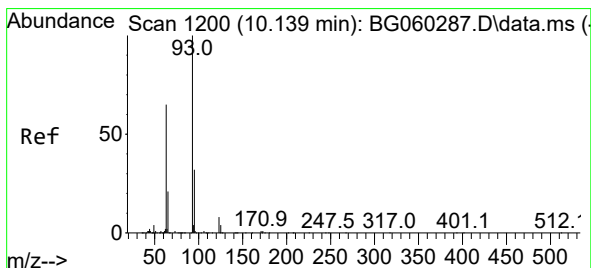
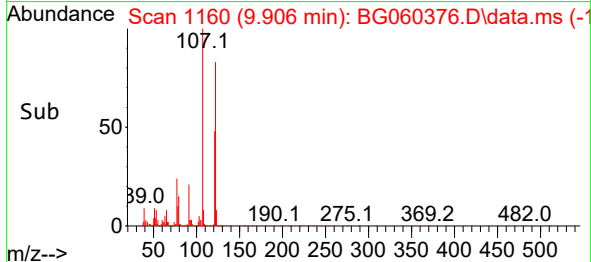
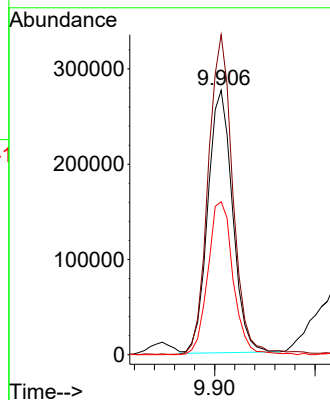
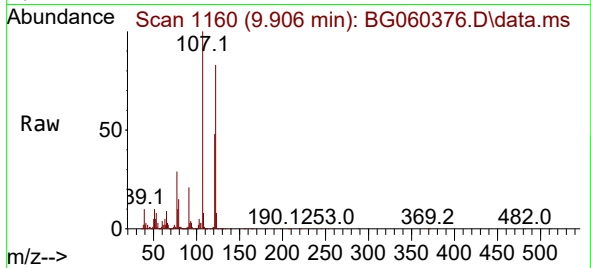
Tgt Ion:122 Resp: 470800

Ion Ratio Lower Upper

122 100

107 121.1 95.4 143.0

121 57.9 47.7 71.5



#28

bis(2-Chloroethoxy)methane

Concen: 35.345 ng

RT: 10.136 min Scan# 1199

Delta R.T. -0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

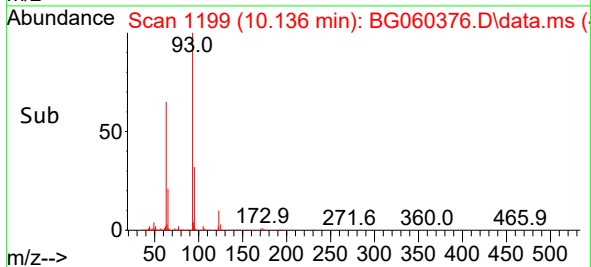
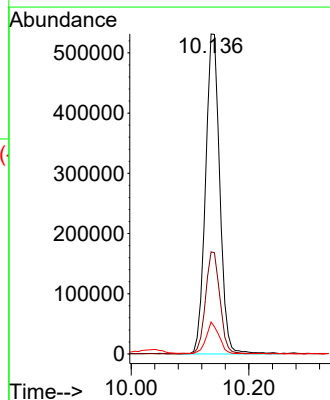
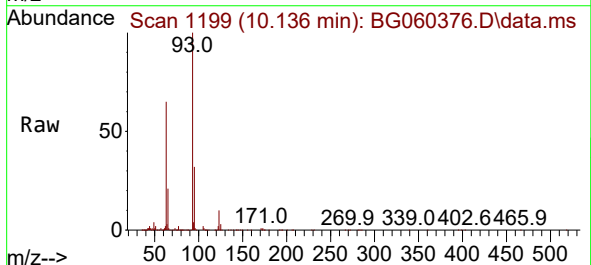
Tgt Ion: 93 Resp: 895176

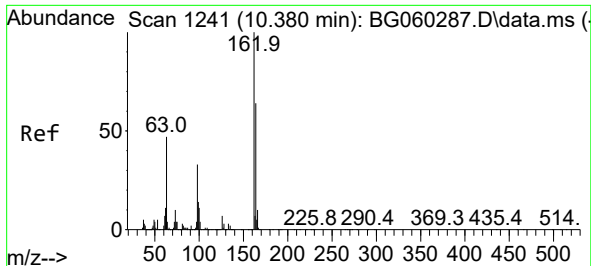
Ion Ratio Lower Upper

93 100

95 31.9 25.4 38.0

123 10.0 6.7 10.1





#29

2,4-Dichlorophenol

Concen: 40.872 ng

RT: 10.382 min Scan# 1241

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Instrument :

BNA\_G

ClientSampleId :

TP-011724MSD

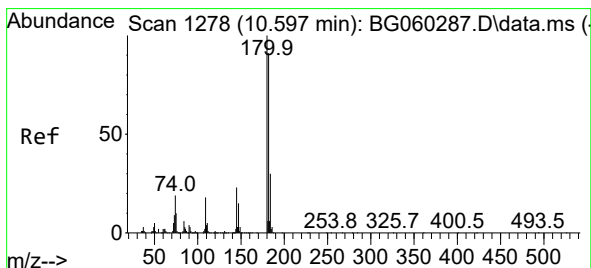
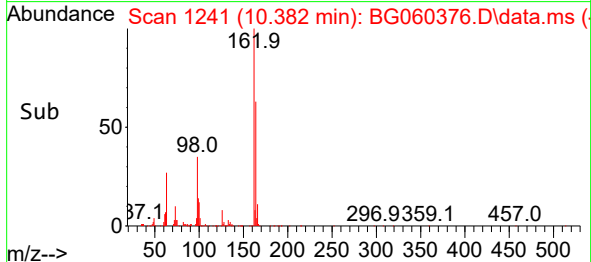
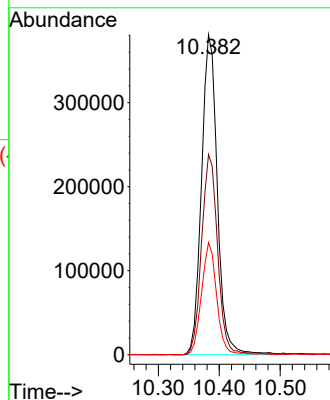
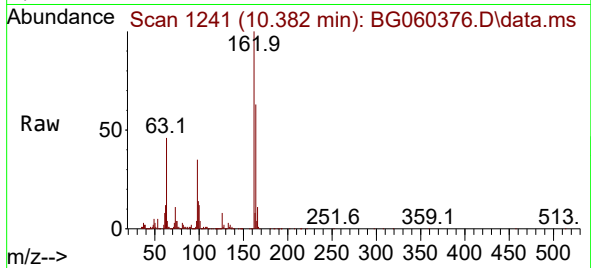
Tgt Ion:162 Resp: 688527

Ion Ratio Lower Upper

162 100

164 62.5 44.3 84.3

98 35.0 13.4 53.4



#30

1,2,4-Trichlorobenzene

Concen: 35.738 ng

RT: 10.600 min Scan# 1278

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

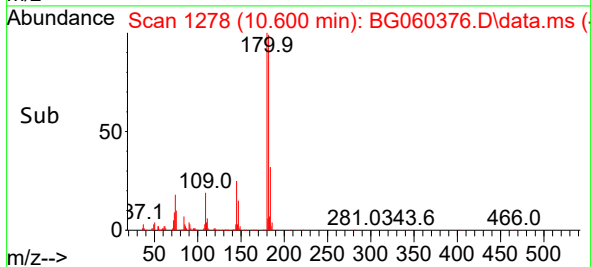
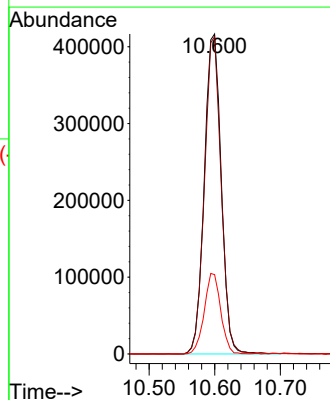
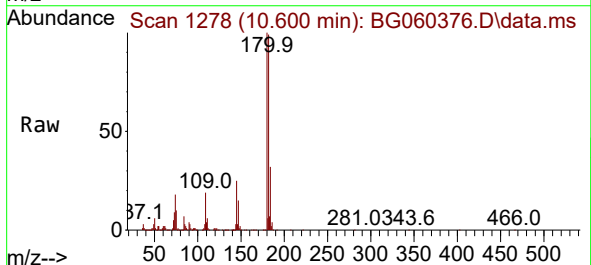
Tgt Ion:180 Resp: 748991

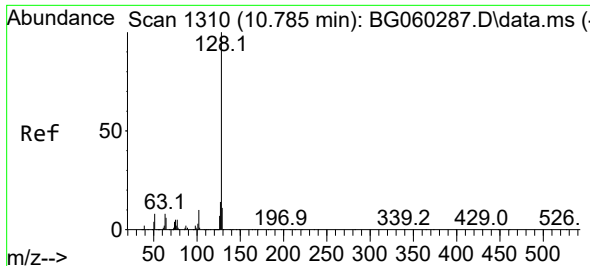
Ion Ratio Lower Upper

180 100

182 99.2 72.7 109.1

145 24.8 18.2 27.2

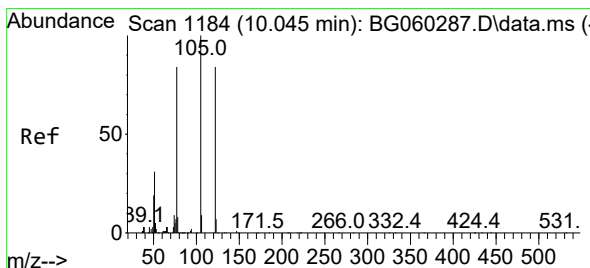
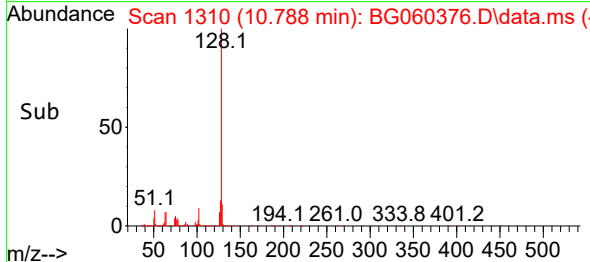
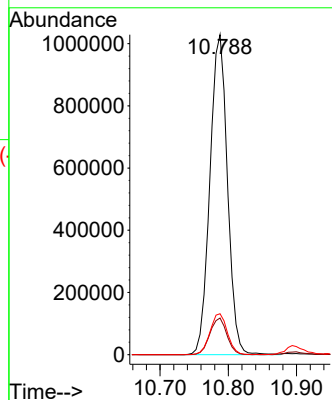
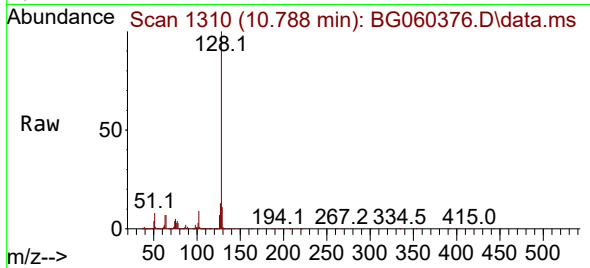




#31  
Naphthalene  
Concen: 36.047 ng  
RT: 10.788 min Scan# 1183  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

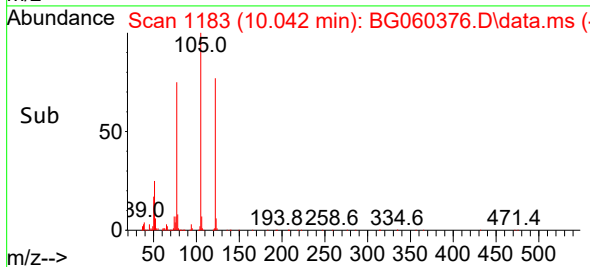
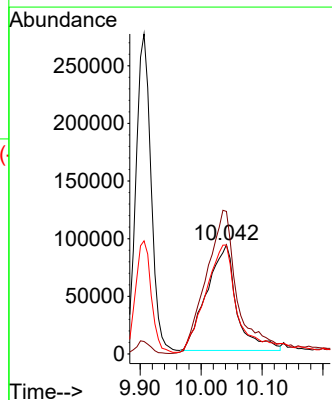
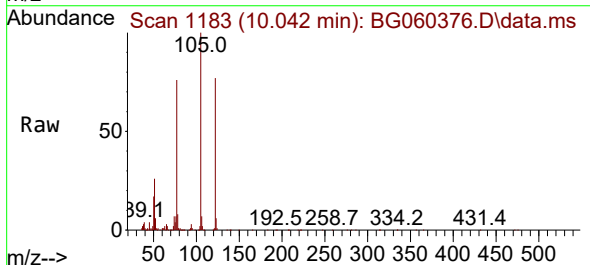
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

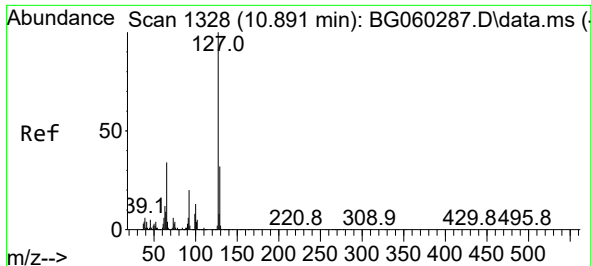
Tgt Ion:128 Resp: 1841652  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.9 13.3  
127 12.8 10.9 16.3



#32  
Benzoic acid  
Concen: 37.046 ng  
RT: 10.042 min Scan# 1183  
Delta R.T. -0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:122 Resp: 312964  
Ion Ratio Lower Upper  
122 100  
105 130.6 96.0 136.0  
77 99.9 80.1 120.1

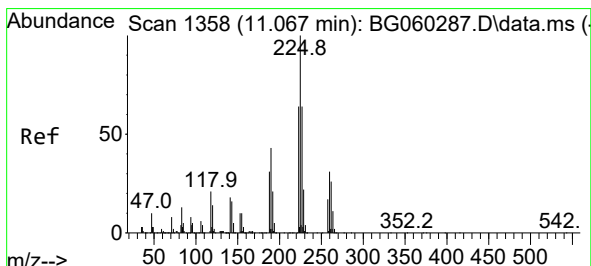
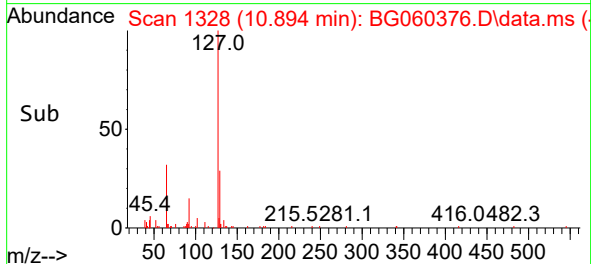
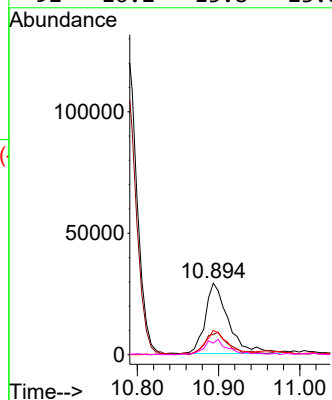
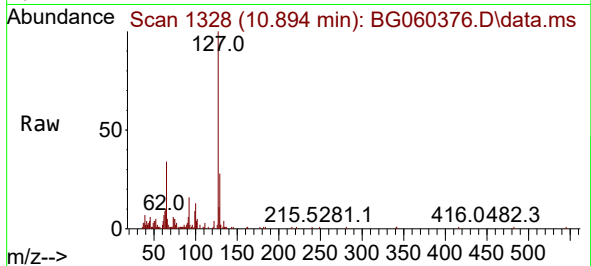




#33  
4-Chloroaniline  
Concen: 2.927 ng  
RT: 10.894 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

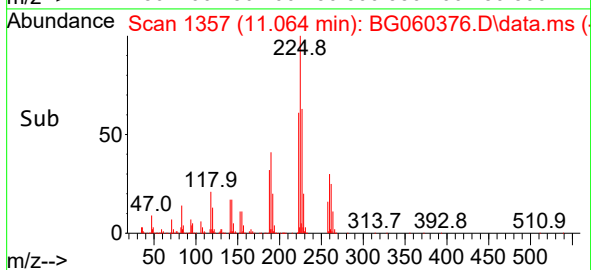
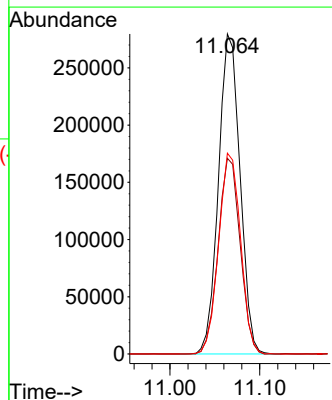
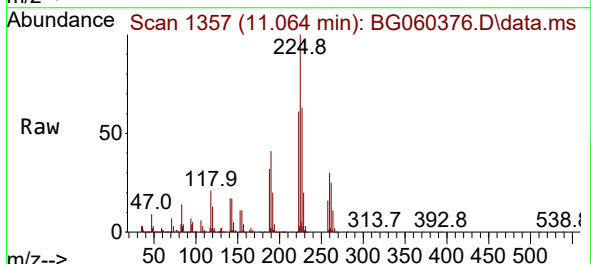
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

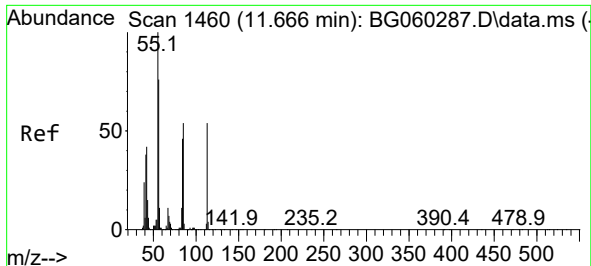
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:127 | Resp: | 57625     |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 28.5  | 25.5 38.3 |
| 65          | 34.0  | 27.5 41.3 |
| 92          | 16.2  | 15.8 23.8 |



#34  
Hexachlorobutadiene  
Concen: 34.145 ng  
RT: 11.064 min Scan# 1357  
Delta R.T. -0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 466167    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 61.2  | 48.7 73.1 |
| 227         | 62.8  | 48.7 73.1 |

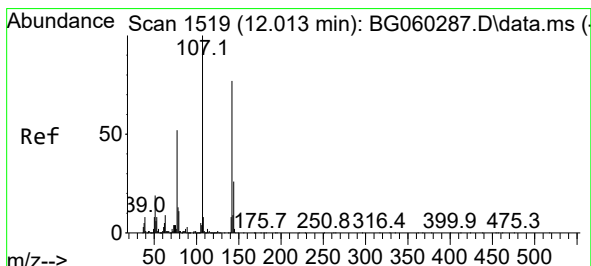
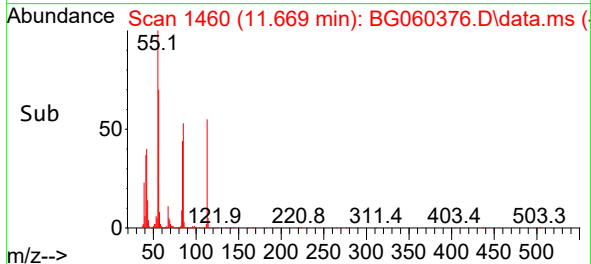
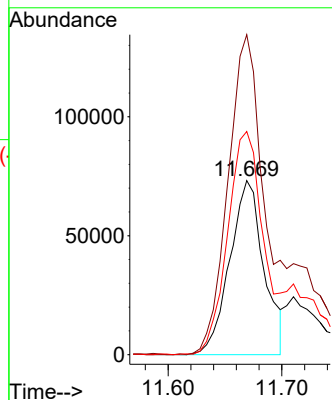
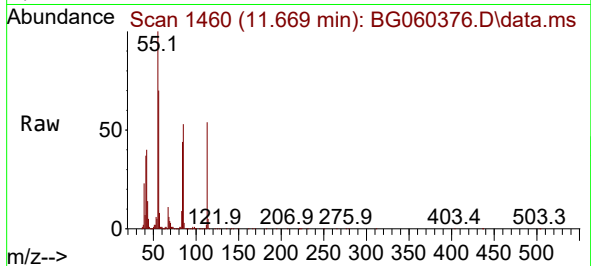




#35  
Caprolactam  
Concen: 28.170 ng  
RT: 11.669 min Scan# 1460  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

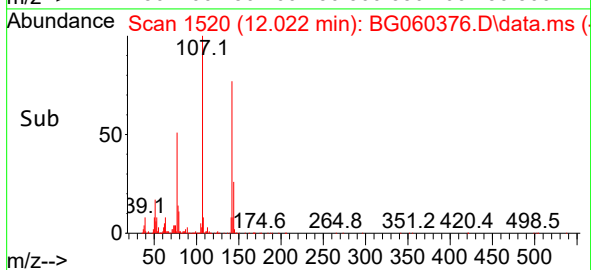
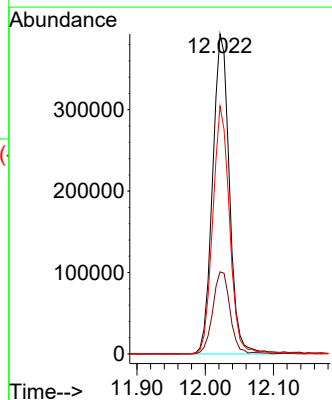
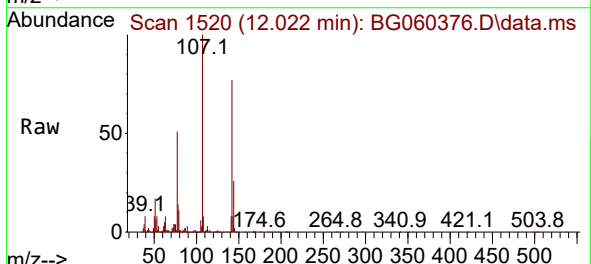
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

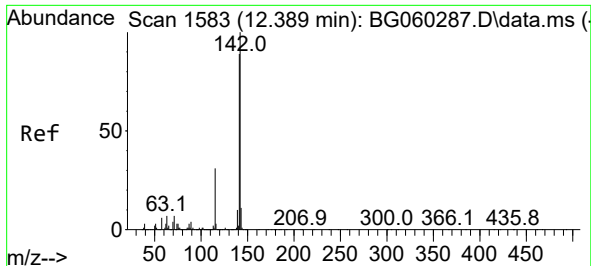
Tgt Ion:113 Resp: 152846  
Ion Ratio Lower Upper  
113 100  
55 183.9 166.4 206.4  
56 128.3 121.0 161.0



#36  
4-Chloro-3-methylphenol  
Concen: 39.398 ng  
RT: 12.022 min Scan# 1520  
Delta R.T. 0.009 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:107 Resp: 674252  
Ion Ratio Lower Upper  
107 100  
144 25.7 20.6 31.0  
142 77.4 61.5 92.3





#37

2-Methylnaphthalene

Concen: 36.423 ng

RT: 12.392 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Instrument :

BNA\_G

ClientSampleId :

TP-011724MSD

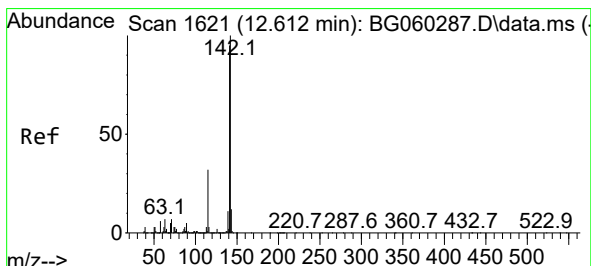
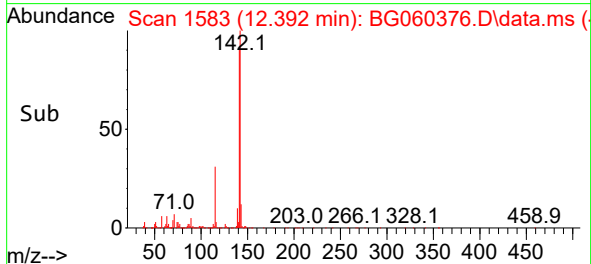
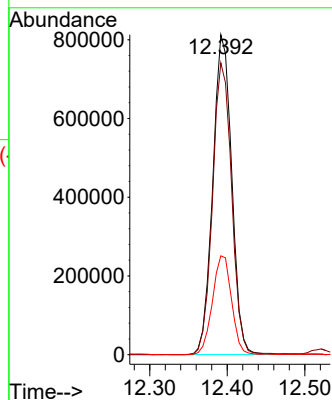
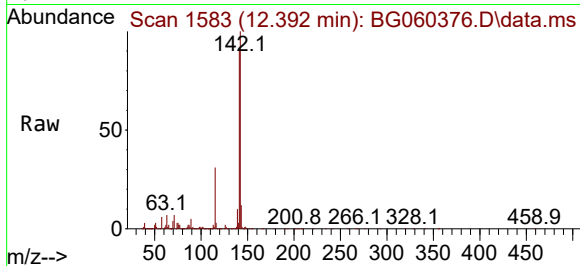
Tgt Ion:142 Resp: 1380133

Ion Ratio Lower Upper

142 100

141 91.2 71.0 106.4

115 30.9 24.7 37.1



#38

1-Methylnaphthalene

Concen: 34.695 ng

RT: 12.615 min Scan# 1621

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

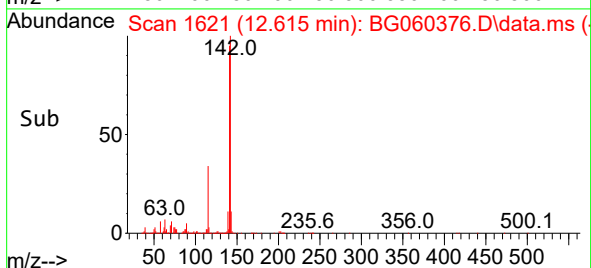
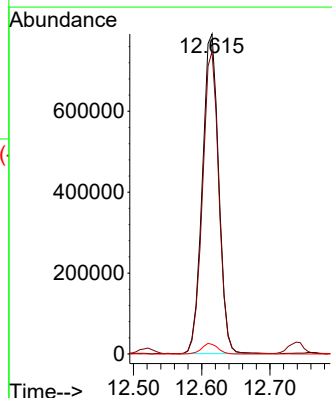
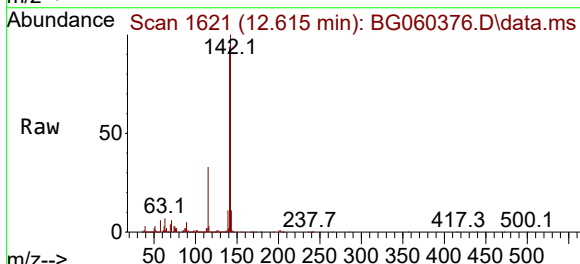
Tgt Ion:142 Resp: 1320124

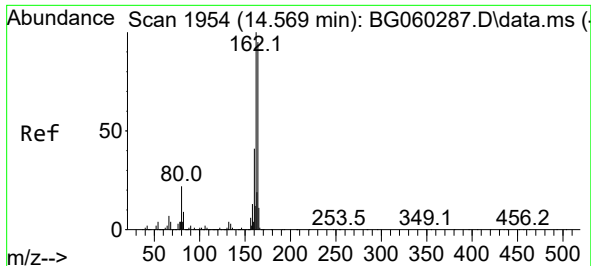
Ion Ratio Lower Upper

142 100

141 94.5 76.2 114.2

116 3.0 2.6 3.8

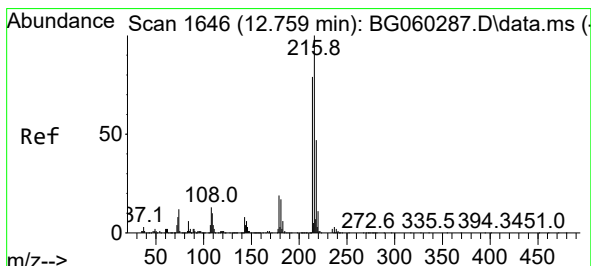
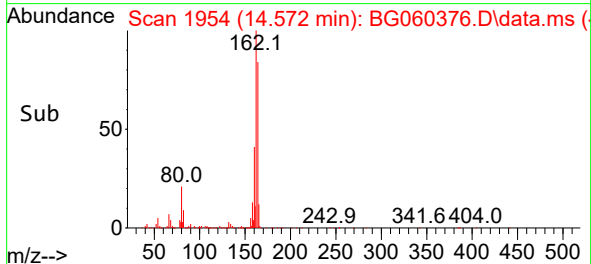
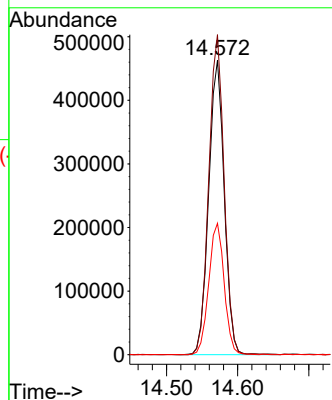
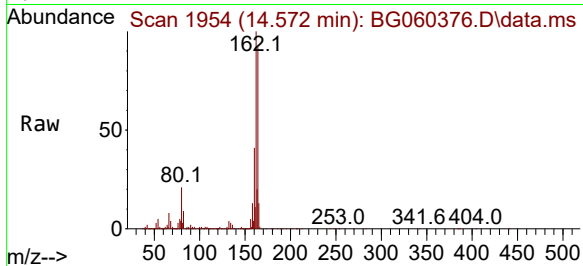




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.572 min Scan# 1954  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

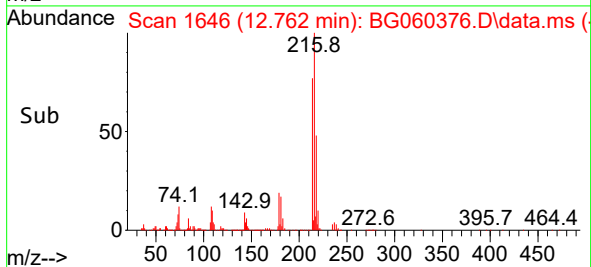
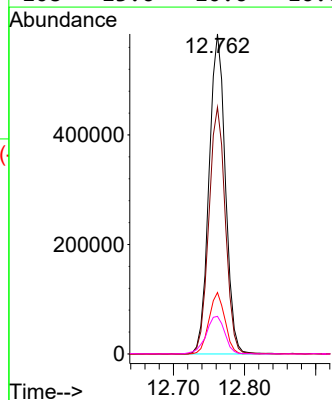
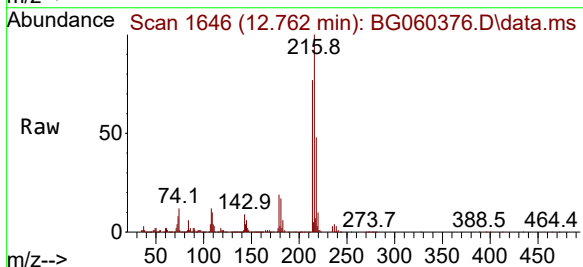
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

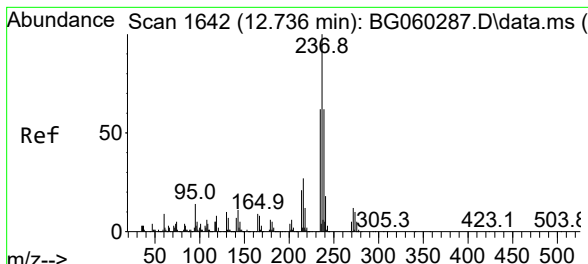
Tgt Ion:164 Resp: 705205  
Ion Ratio Lower Upper  
164 100  
162 108.7 84.4 126.6  
160 44.6 34.6 52.0



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 37.310 ng  
RT: 12.762 min Scan# 1646  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:216 Resp: 934441  
Ion Ratio Lower Upper  
216 100  
214 77.7 62.6 93.8  
179 18.7 14.8 22.2  
108 13.6 10.6 16.0



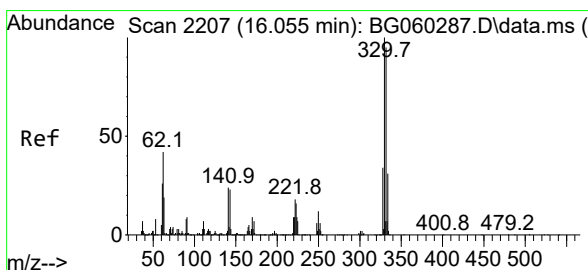
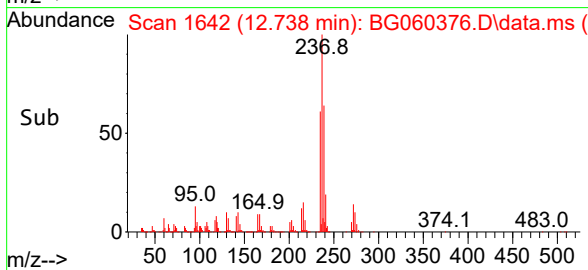
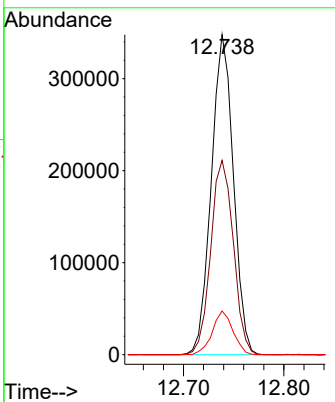
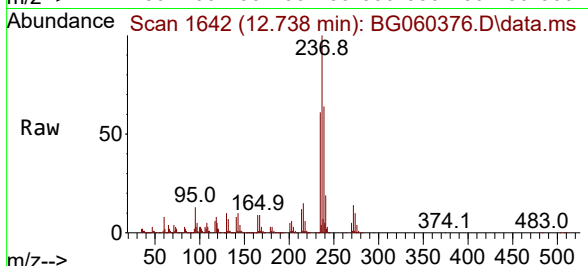


#41  
 Hexachlorocyclopentadiene  
 Concen: 63.815 ng  
 RT: 12.738 min Scan# 1  
 Delta R.T. 0.003 min  
 Lab File: BG060376.D  
 Acq: 19 Jan 2024 19:43

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-011724MSD

Tgt Ion:237 Resp: 530639

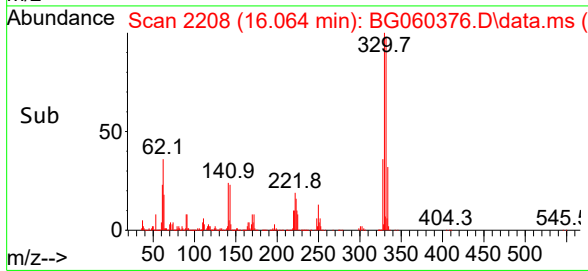
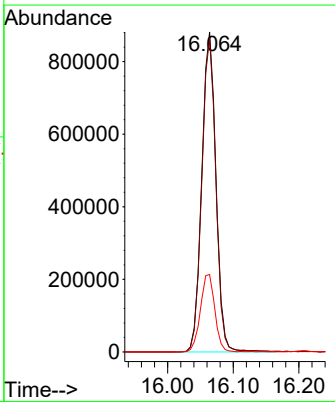
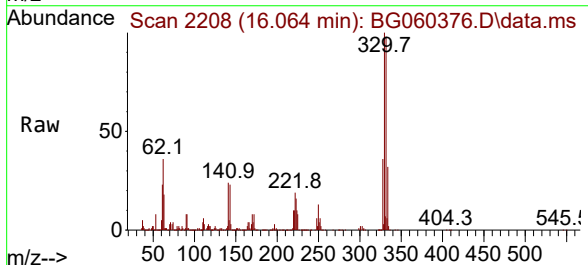
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 60.7  | 41.6  | 81.6  |
| 272 | 13.7  | 0.0   | 31.8  |

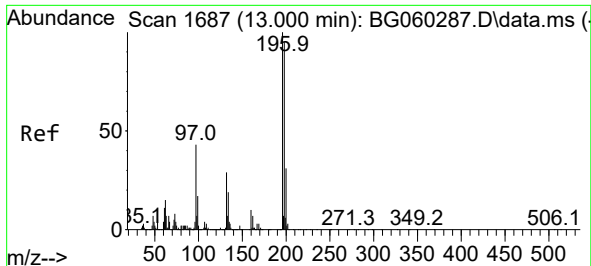


#42  
 2,4,6-Tribromophenol  
 Concen: 128.095 ng  
 RT: 16.064 min Scan# 2208  
 Delta R.T. 0.009 min  
 Lab File: BG060376.D  
 Acq: 19 Jan 2024 19:43

Tgt Ion:330 Resp: 1329064

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 97.3  | 76.7  | 115.1 |
| 141 | 24.5  | 18.6  | 28.0  |

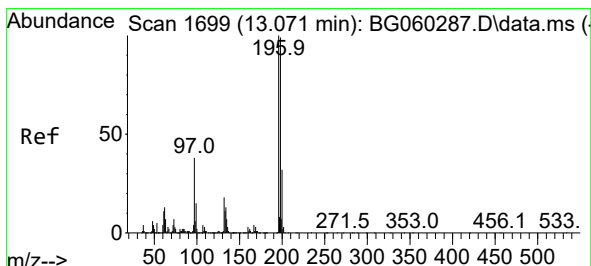
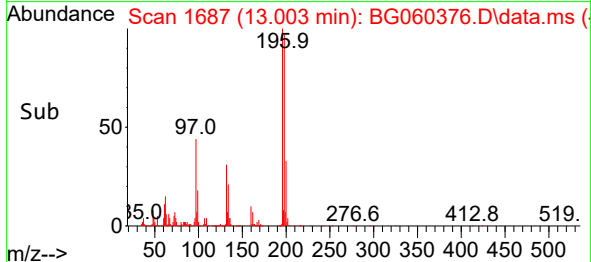
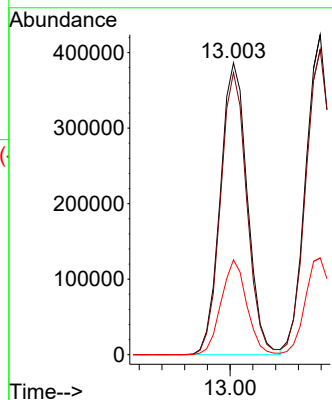
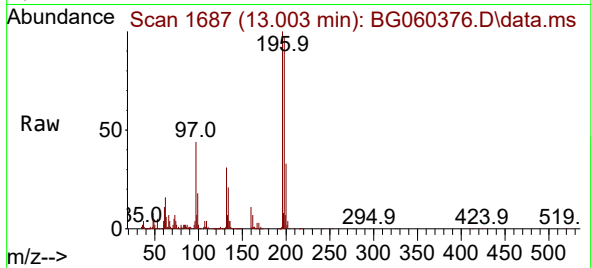




#43  
2,4,6-Trichlorophenol  
Concen: 40.068 ng  
RT: 13.003 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

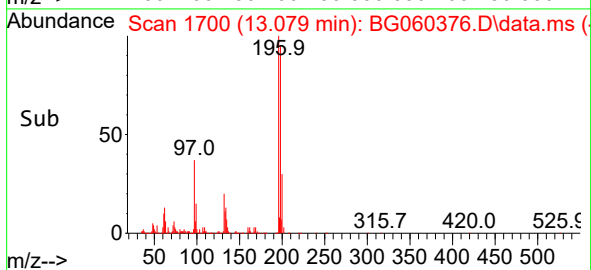
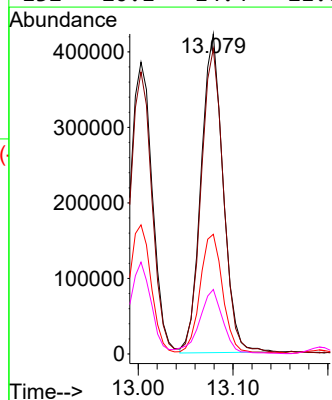
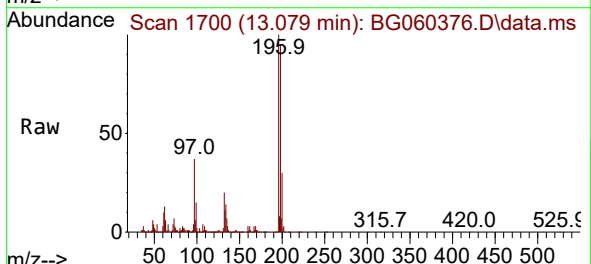
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

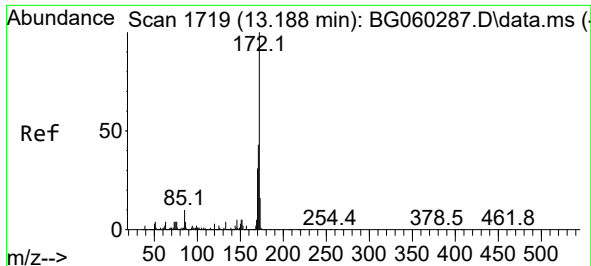
Tgt Ion:196 Resp: 638636  
Ion Ratio Lower Upper  
196 100  
198 96.6 75.7 113.5  
200 32.5 24.7 37.1



#44  
2,4,5-Trichlorophenol  
Concen: 38.727 ng  
RT: 13.079 min Scan# 1700  
Delta R.T. 0.009 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:196 Resp: 680833  
Ion Ratio Lower Upper  
196 100  
198 95.4 78.6 118.0  
97 37.4 30.6 46.0  
132 20.1 14.4 21.6

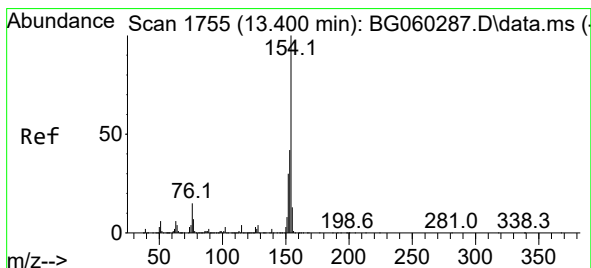
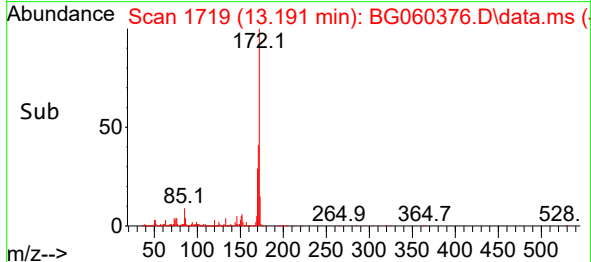
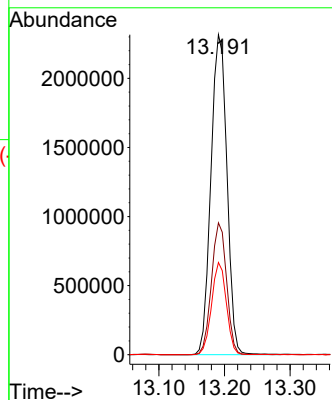
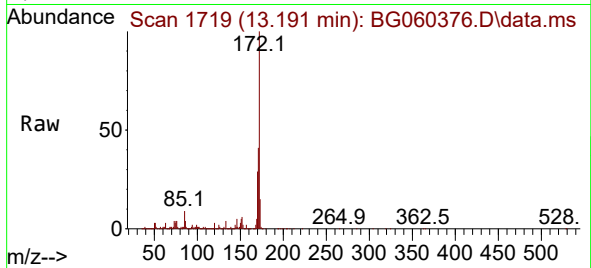




#45  
2-Fluorobiphenyl  
Concen: 77.389 ng  
RT: 13.191 min Scan# 1719  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

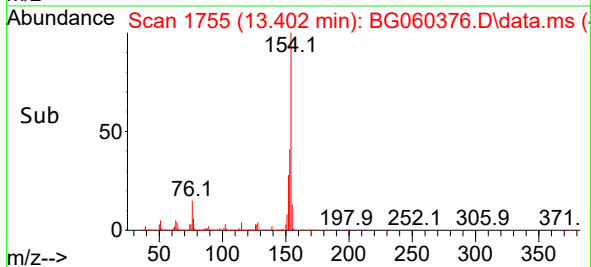
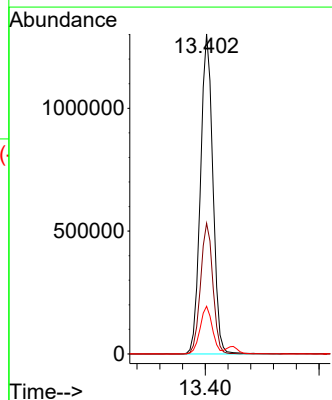
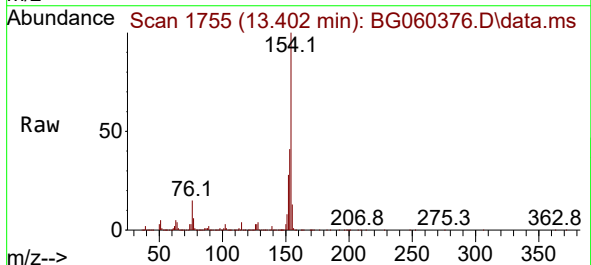
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

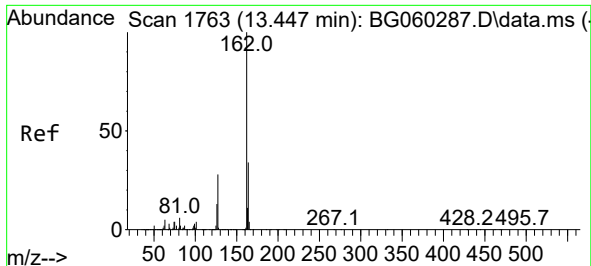
Tgt Ion:172 Resp: 3925368  
Ion Ratio Lower Upper  
172 100  
171 41.2 34.6 51.8  
170 28.8 24.4 36.6



#46  
1,1'-Biphenyl  
Concen: 37.075 ng  
RT: 13.402 min Scan# 1755  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:154 Resp: 1973566  
Ion Ratio Lower Upper  
154 100  
153 40.9 22.0 62.0  
76 14.9 0.0 35.2

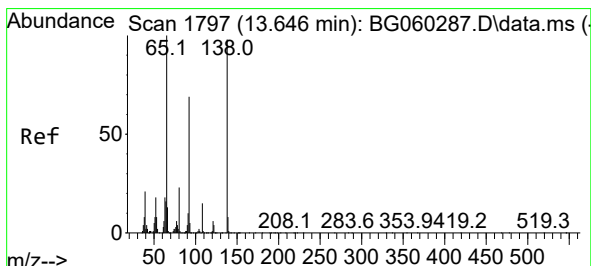
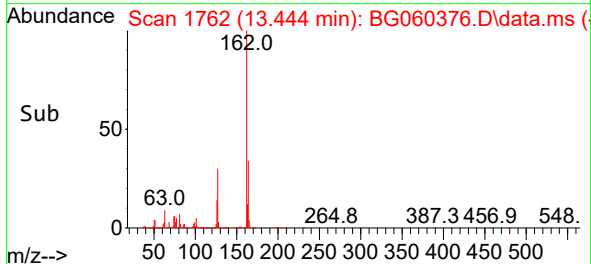
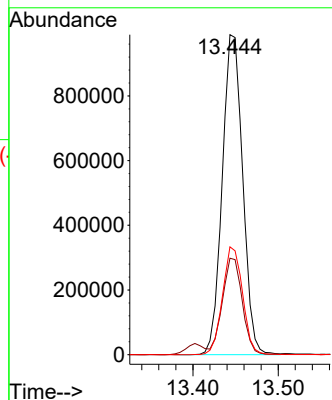
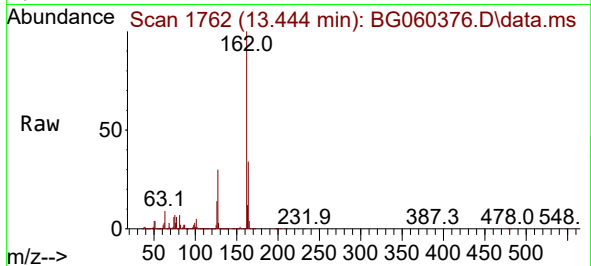




#47  
2-Chloronaphthalene  
Concen: 36.197 ng  
RT: 13.444 min Scan# 1762  
Delta R.T. -0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

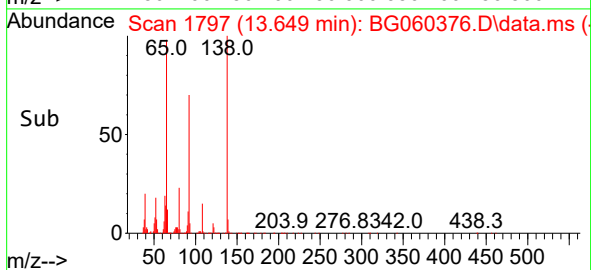
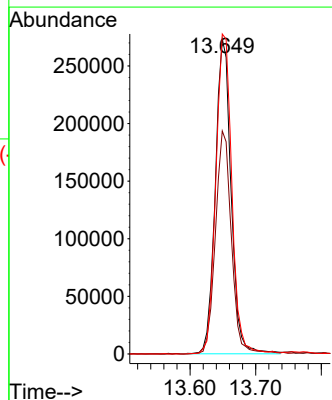
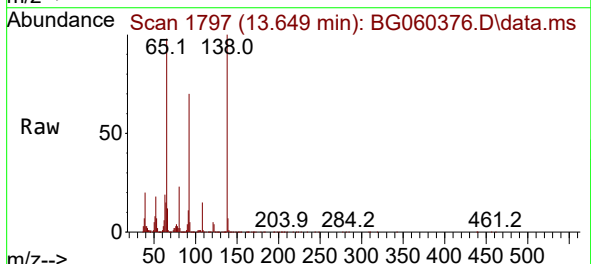
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

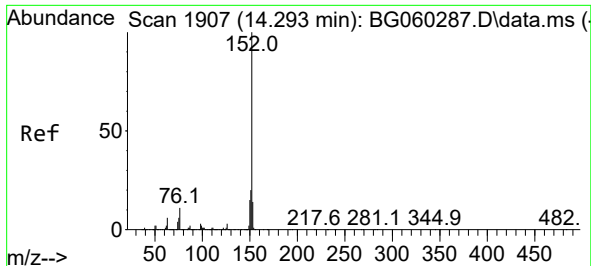
Tgt Ion:162 Resp: 1650667  
Ion Ratio Lower Upper  
162 100  
127 30.1 23.5 35.3  
164 33.7 26.9 40.3



#48  
2-Nitroaniline  
Concen: 40.098 ng  
RT: 13.649 min Scan# 1797  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion: 65 Resp: 455383  
Ion Ratio Lower Upper  
65 100  
92 70.8 55.0 82.6  
138 101.6 78.1 117.1

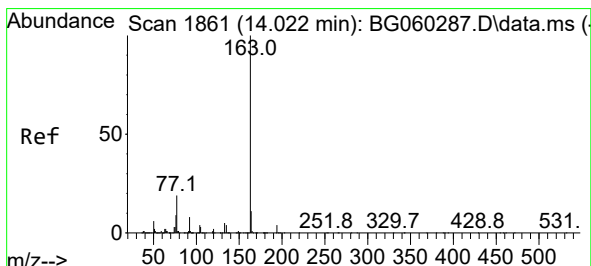
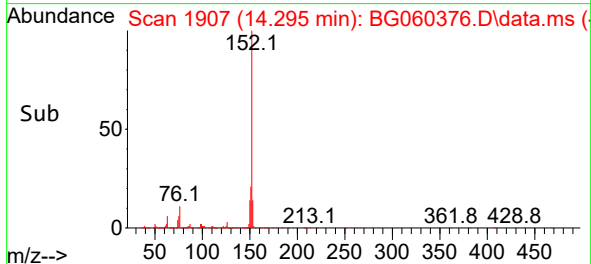
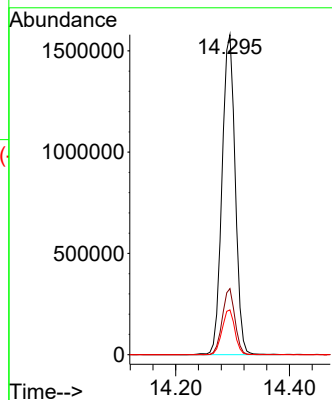
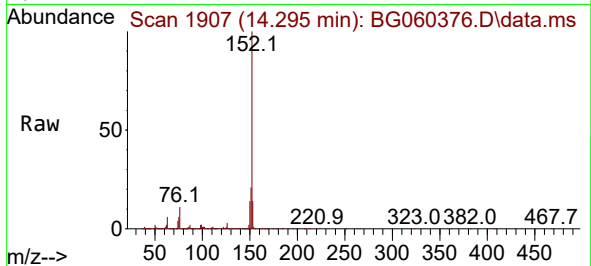




#49  
Acenaphthylene  
Concen: 40.496 ng  
RT: 14.295 min Scan# 1907  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

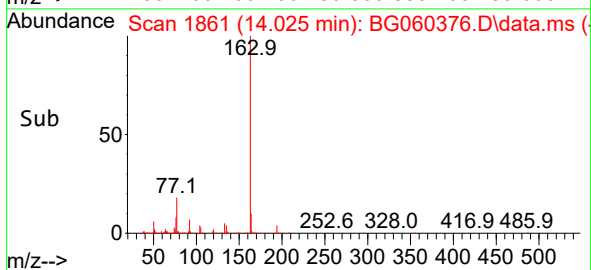
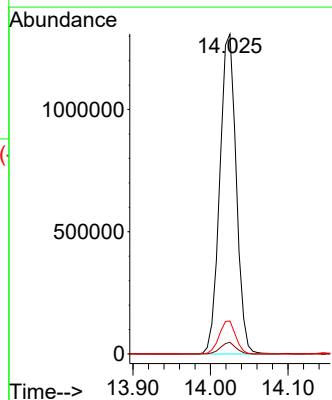
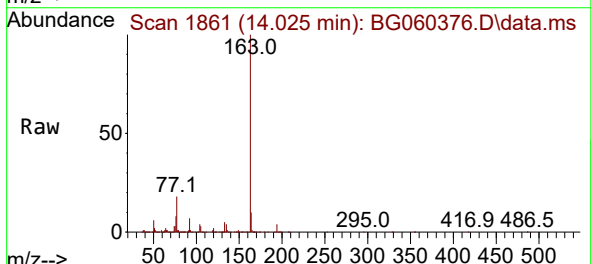
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

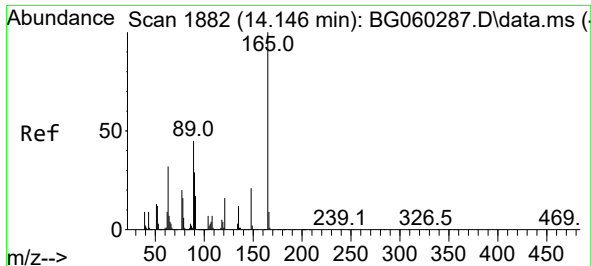
Tgt Ion:152 Resp: 2543057  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.1 24.1  
153 14.0 11.5 17.3



#50  
Dimethylphthalate  
Concen: 35.857 ng  
RT: 14.025 min Scan# 1861  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:163 Resp: 1932331  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.0 4.4  
164 10.3 8.8 13.2

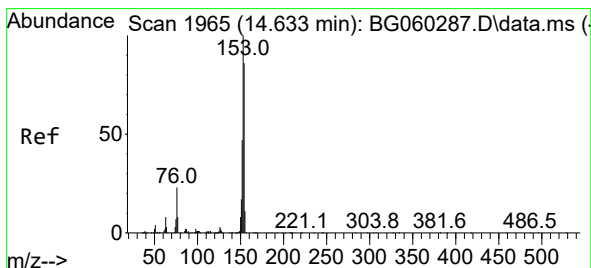
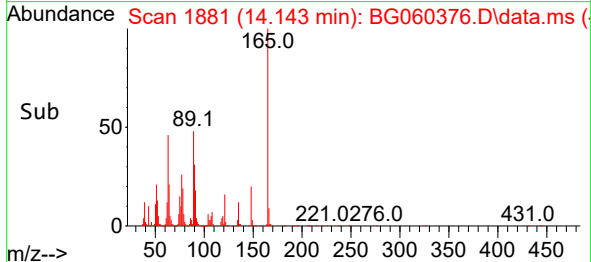
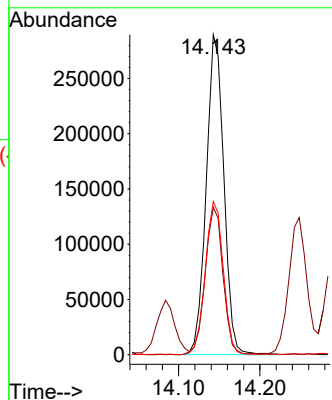
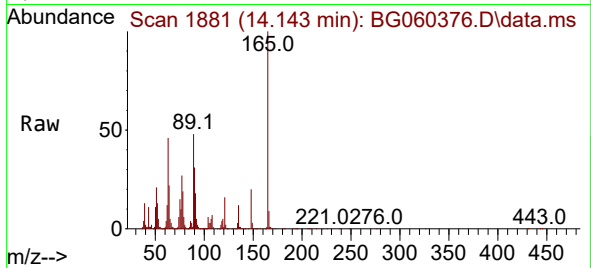




#51  
2,6-Dinitrotoluene  
Concen: 37.873 ng  
RT: 14.143 min Scan# 1882  
Delta R.T. -0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

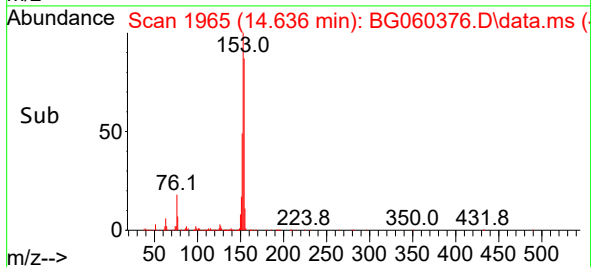
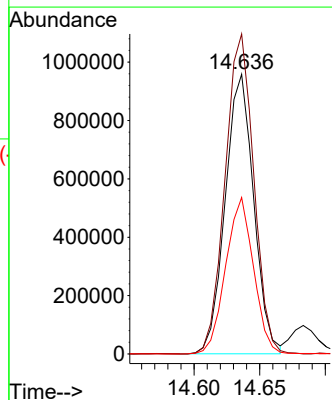
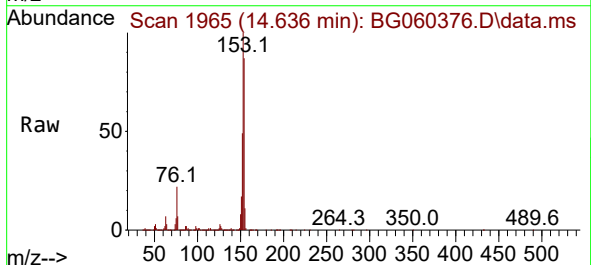
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

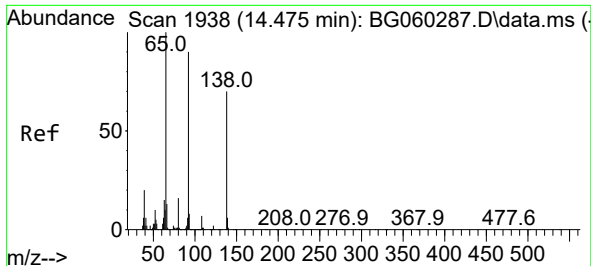
Tgt Ion:165 Resp: 435508  
Ion Ratio Lower Upper  
165 100  
63 46.0 35.0 52.4  
89 47.8 36.2 54.2



#52  
Acenaphthene  
Concen: 37.023 ng  
RT: 14.636 min Scan# 1965  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:154 Resp: 1447716  
Ion Ratio Lower Upper  
154 100  
153 114.4 92.6 138.8  
152 55.9 43.8 65.8

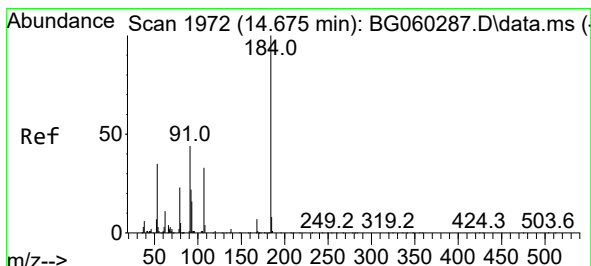
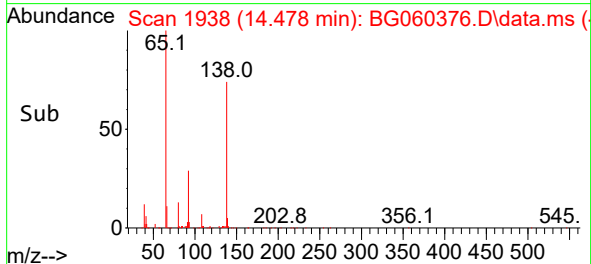
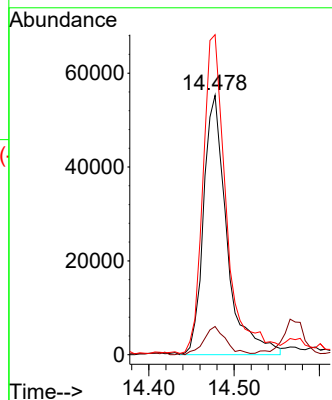
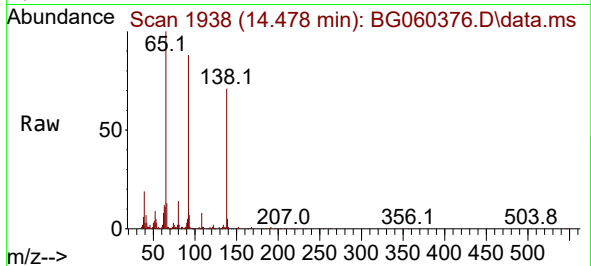




#53  
3-Nitroaniline  
Concen: 10.055 ng  
RT: 14.478 min Scan# 1938  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

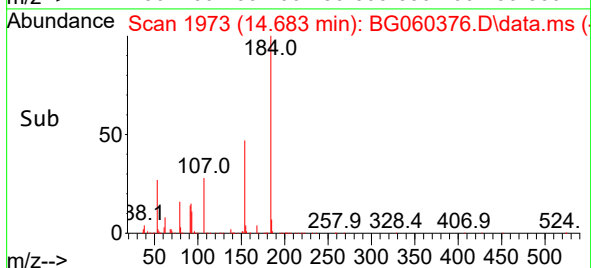
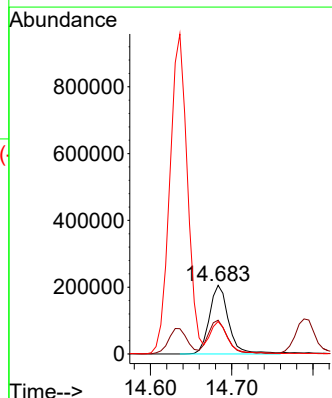
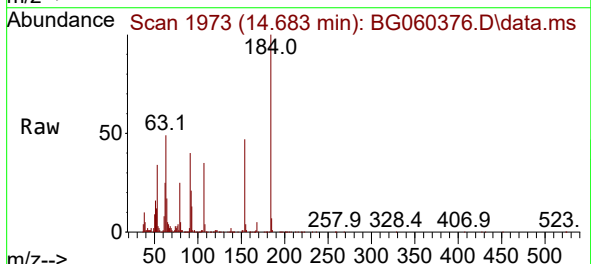
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

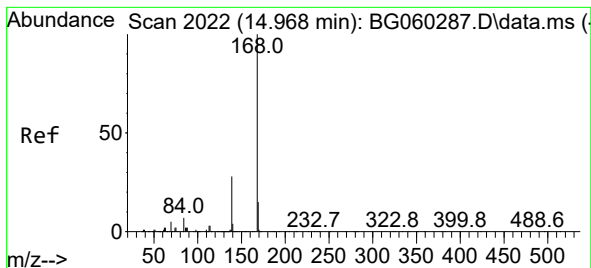
Tgt Ion:138 Resp: 105358  
Ion Ratio Lower Upper  
138 100  
108 10.9 7.8 11.8  
92 123.4 102.4 153.6



#54  
2,4-Dinitrophenol  
Concen: 51.713 ng  
RT: 14.683 min Scan# 1973  
Delta R.T. 0.008 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:184 Resp: 336834  
Ion Ratio Lower Upper  
184 100  
63 49.3 41.0 61.4  
154 47.4 39.2 58.8





#55

Dibenzofuran

Concen: 38.276 ng

RT: 14.971 min Scan# 20

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Instrument :

BNA\_G

ClientSampleId :

TP-011724MSD

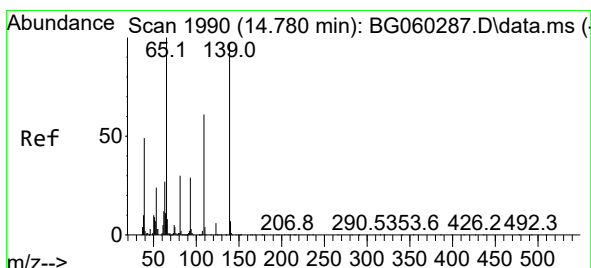
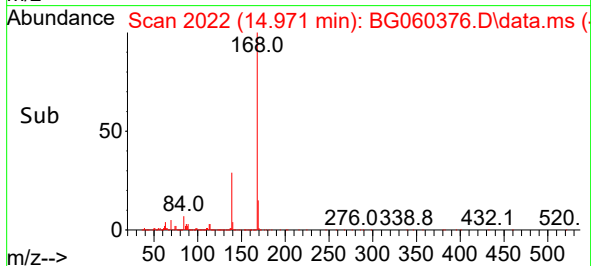
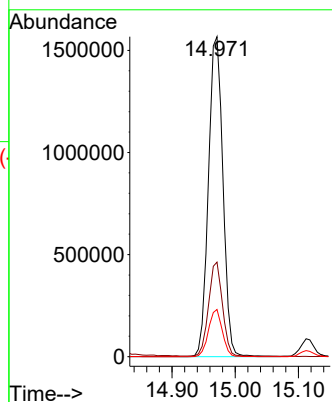
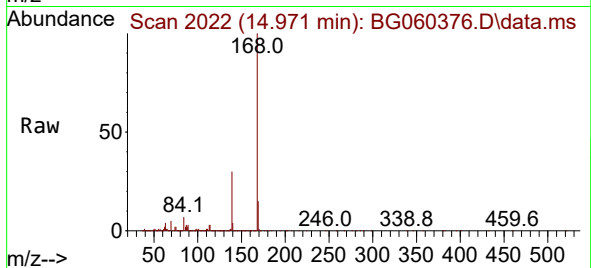
Tgt Ion:168 Resp: 2498521

Ion Ratio Lower Upper

168 100

139 29.5 22.6 34.0

169 14.7 12.1 18.1



#56

4-Nitrophenol

Concen: 87.504 ng

RT: 14.789 min Scan# 1991

Delta R.T. 0.009 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

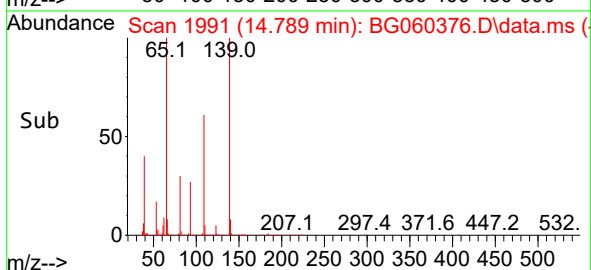
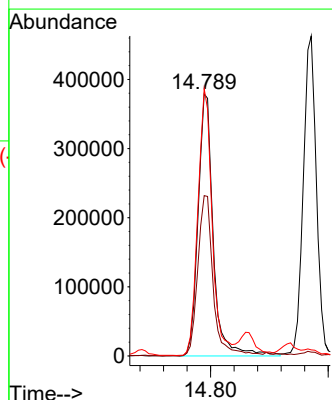
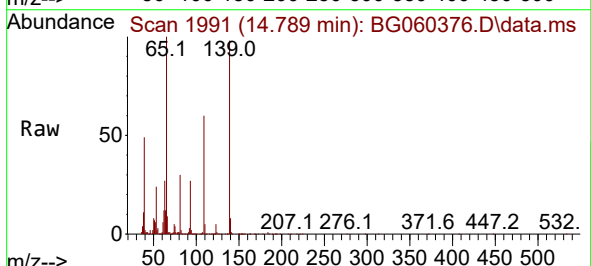
Tgt Ion:139 Resp: 680075

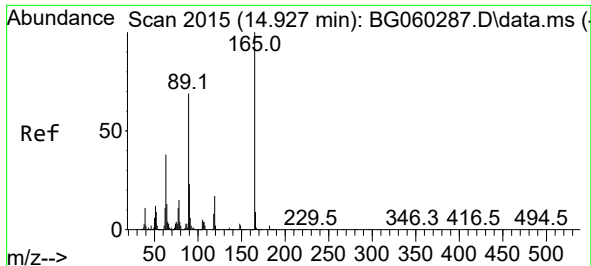
Ion Ratio Lower Upper

139 100

109 61.2 42.2 82.2

65 101.9 83.3 123.3





#57

2,4-Dinitrotoluene

Concen: 39.277 ng

RT: 14.936 min Scan# 2015

Delta R.T. 0.009 min

Lab File: BG060376.D

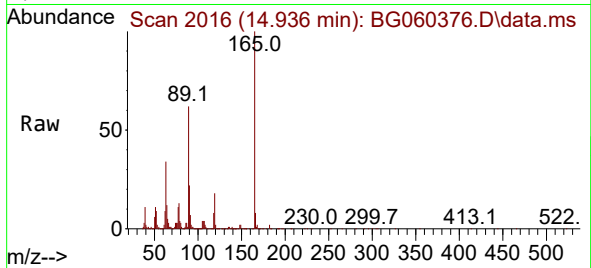
Acq: 19 Jan 2024 19:43

Instrument :

BNA\_G

ClientSampleId :

TP-011724MSD



Tgt Ion:165 Resp: 619345

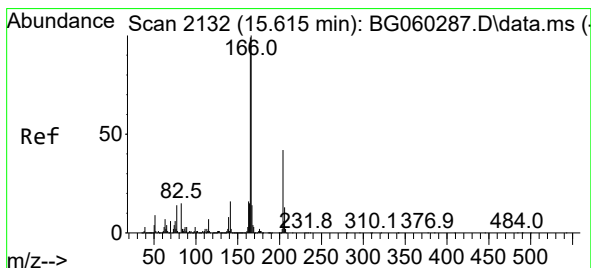
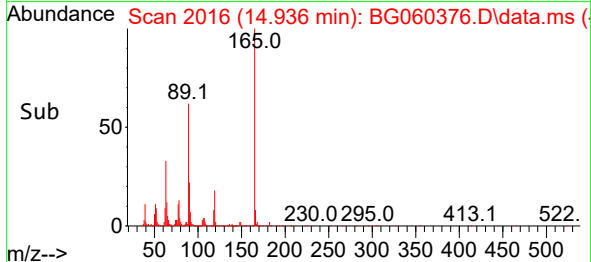
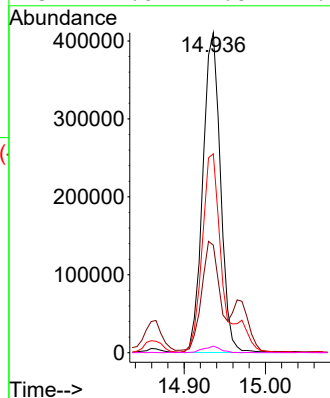
Ion Ratio Lower Upper

165 100

63 33.6 30.4 45.6

89 62.2 55.4 83.0

182 2.0 1.6 2.4



#58

Fluorene

Concen: 37.361 ng

RT: 15.617 min Scan# 2132

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

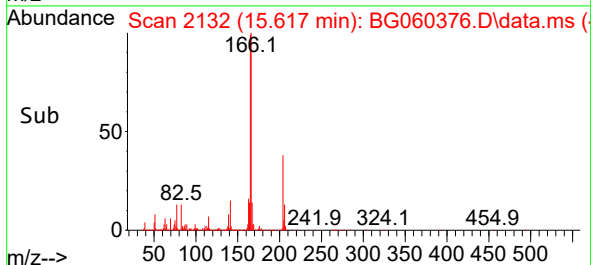
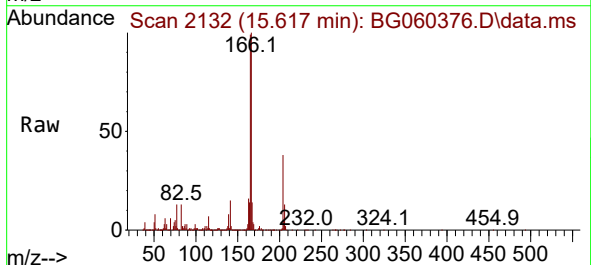
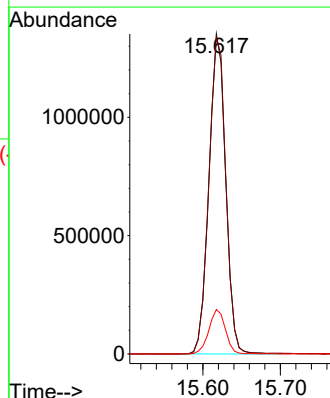
Tgt Ion:166 Resp: 2019637

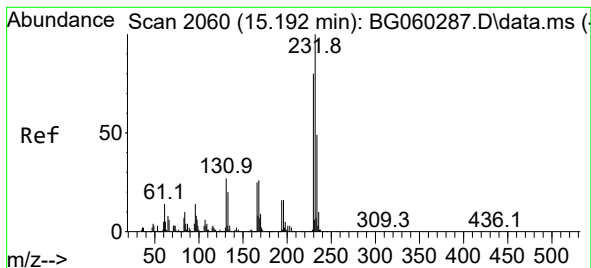
Ion Ratio Lower Upper

166 100

165 99.1 79.0 118.6

167 13.9 11.4 17.0

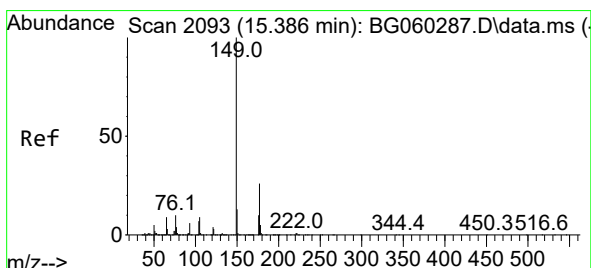
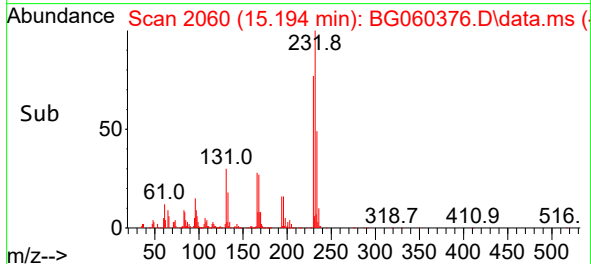
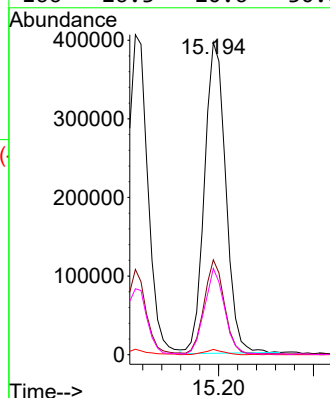
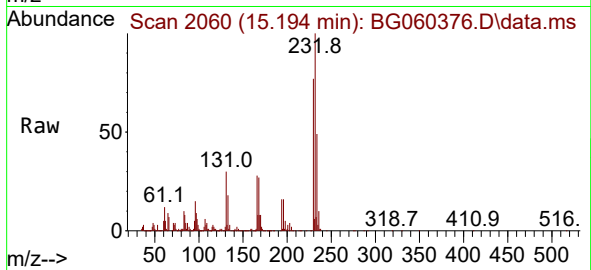




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.273 ng  
RT: 15.194 min Scan# 2060  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

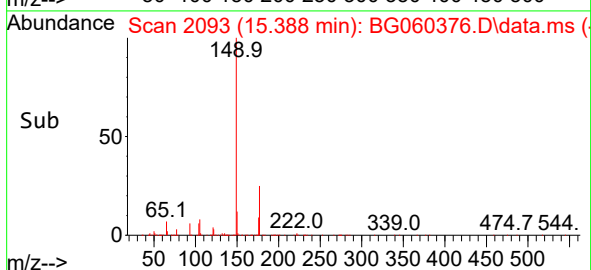
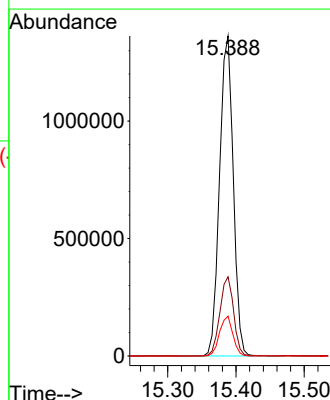
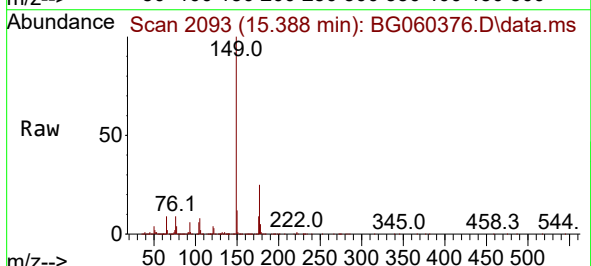
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

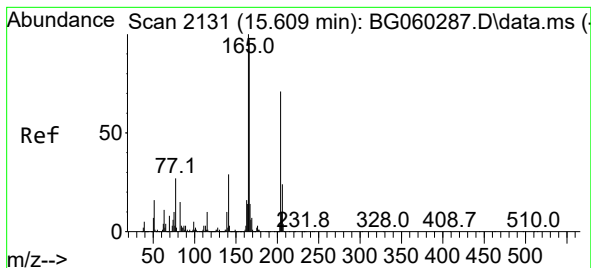
Tgt Ion:232 Resp: 616138  
Ion Ratio Lower Upper  
232 100  
131 28.5 22.7 34.1  
130 1.5 1.1 1.7  
166 26.3 20.6 30.8



#60  
Diethylphthalate  
Concen: 36.863 ng  
RT: 15.388 min Scan# 2093  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:149 Resp: 1907150  
Ion Ratio Lower Upper  
149 100  
177 24.8 20.9 31.3  
150 12.4 10.2 15.2

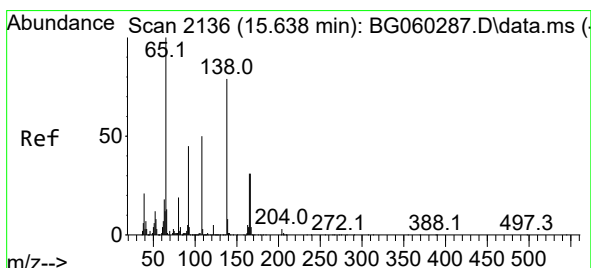
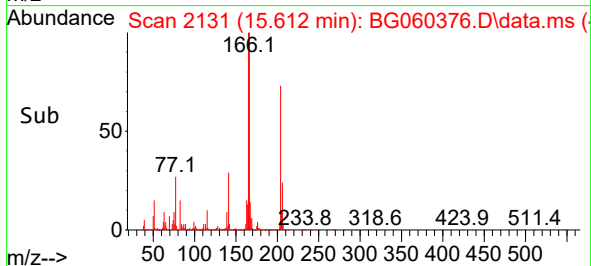
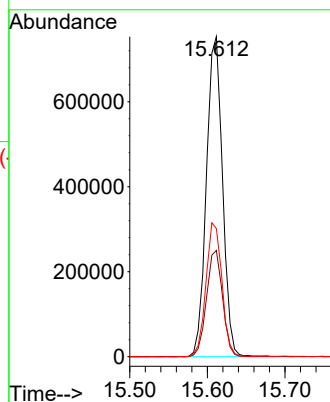
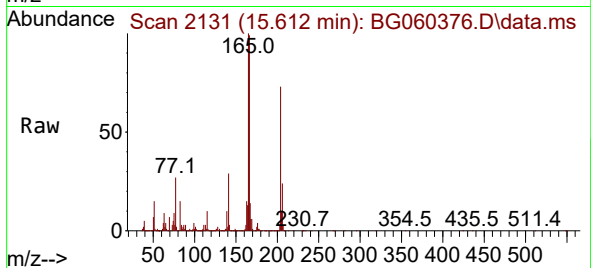




#61  
4-Chlorophenyl-phenylether  
Concen: 36.479 ng  
RT: 15.612 min Scan# 2131  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

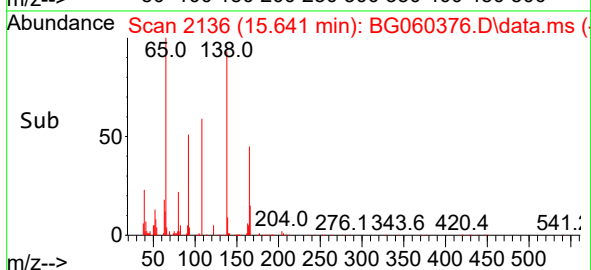
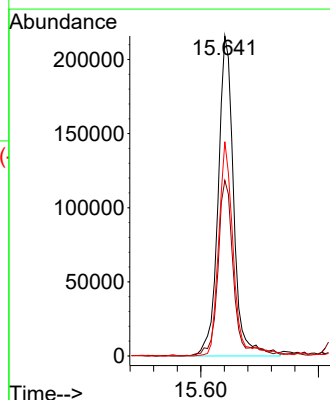
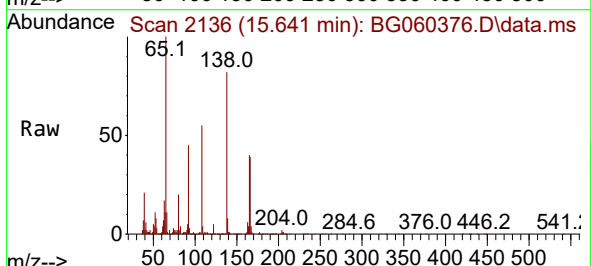
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

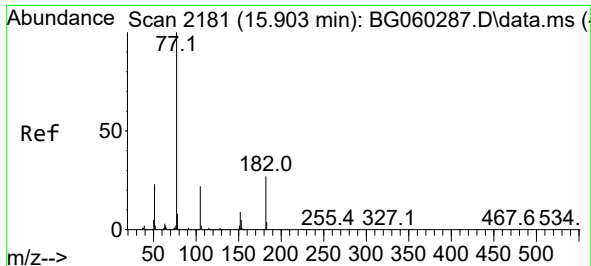
Tgt Ion:204 Resp: 1086298  
Ion Ratio Lower Upper  
204 100  
206 33.2 27.1 40.7  
141 40.0 32.2 48.2



#62  
4-Nitroaniline  
Concen: 35.475 ng  
RT: 15.641 min Scan# 2136  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:138 Resp: 395617  
Ion Ratio Lower Upper  
138 100  
92 54.8 37.0 77.0  
108 66.9 43.1 83.1



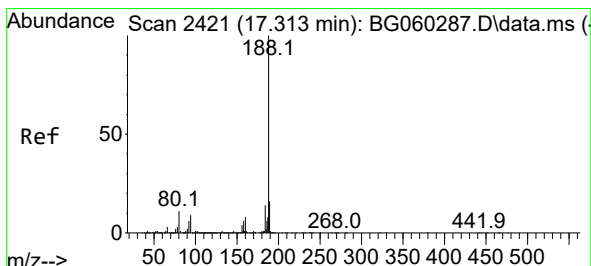
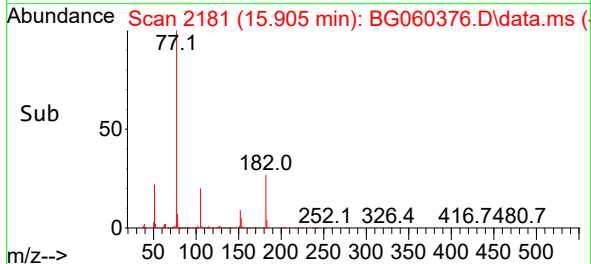
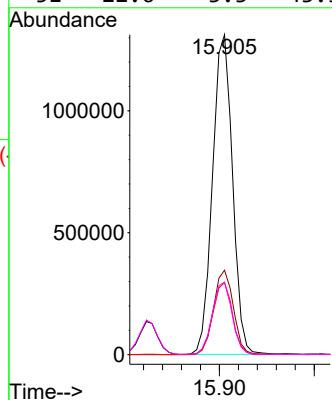
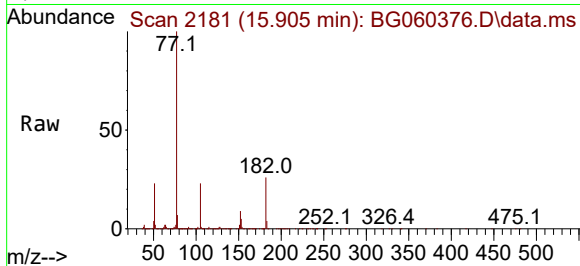


#63  
Azobenzene  
Concen: 36.668 ng  
RT: 15.905 min Scan# 2181  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

Tgt Ion: 77 Resp: 1918767

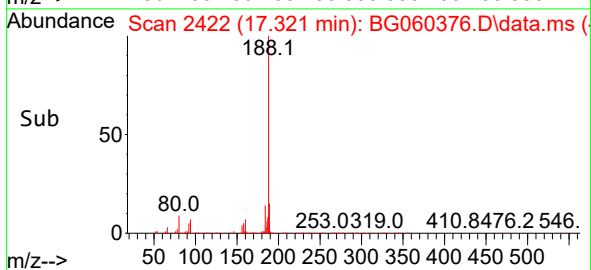
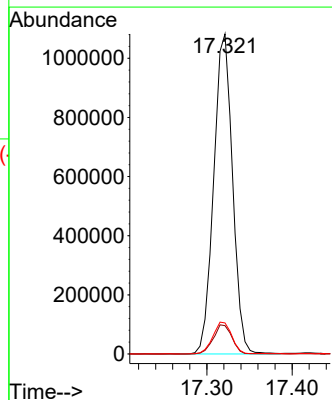
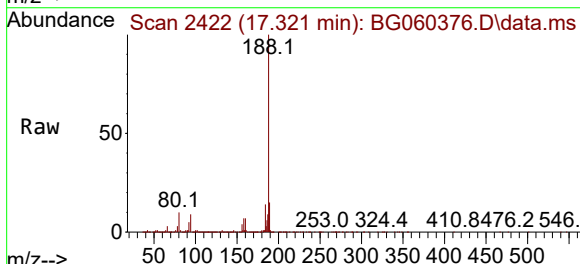
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 26.4  | 6.5   | 46.5  |
| 105 | 22.5  | 1.8   | 41.8  |
| 51  | 22.6  | 3.3   | 43.3  |

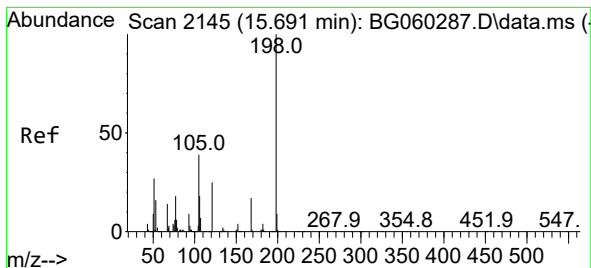


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.321 min Scan# 2422  
Delta R.T. 0.009 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion: 188 Resp: 1665009

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 8.9   | 7.1   | 10.7  |
| 80  | 9.7   | 8.5   | 12.7  |

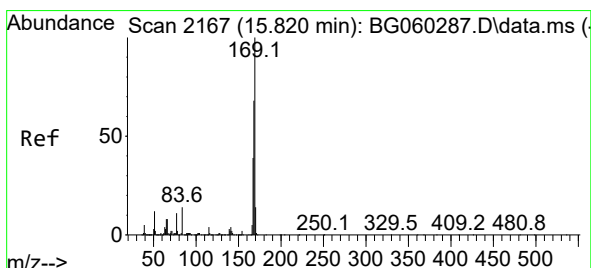
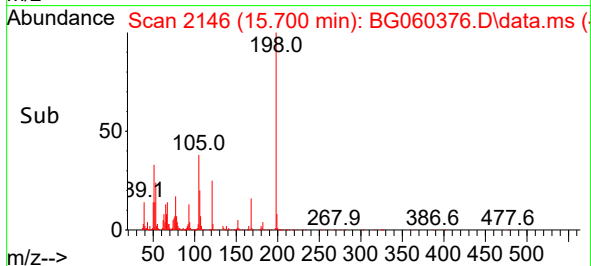
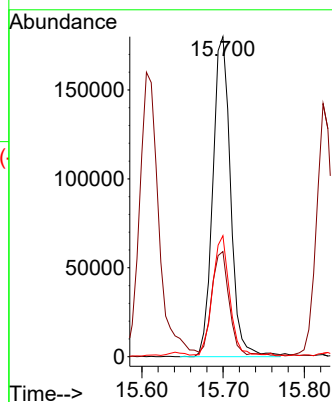
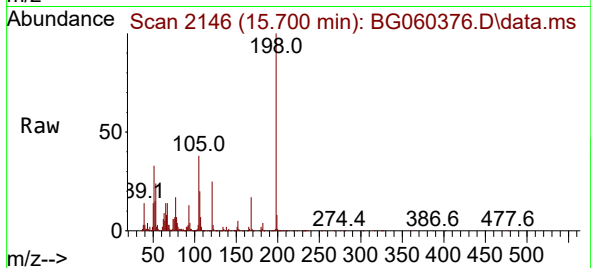




#65  
4,6-Dinitro-2-methylphenol  
Concen: 29.684 ng  
RT: 15.700 min Scan# 2145  
Delta R.T. 0.009 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

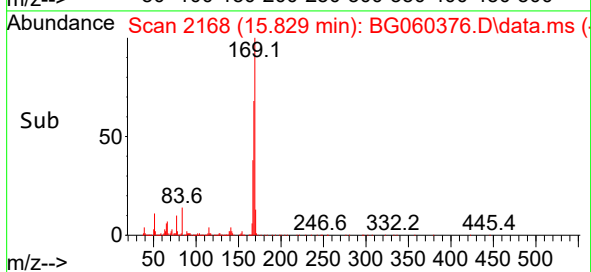
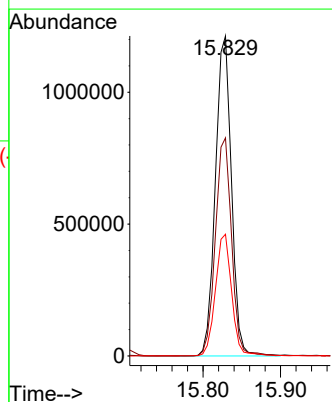
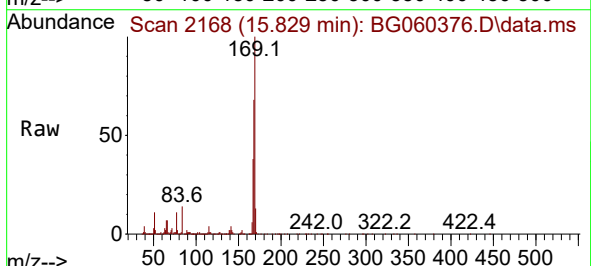
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

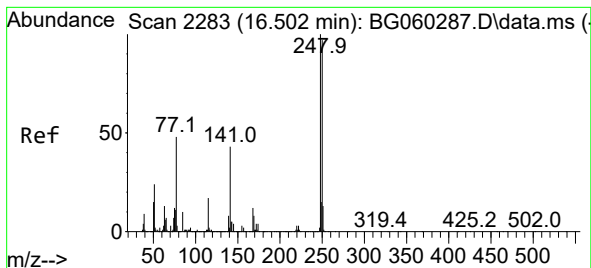
Tgt Ion:198 Resp: 273421  
Ion Ratio Lower Upper  
198 100  
51 32.8 11.8 51.8  
105 37.8 20.3 60.3



#66  
n-Nitrosodiphenylamine  
Concen: 39.467 ng  
RT: 15.829 min Scan# 2168  
Delta R.T. 0.009 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:169 Resp: 1744858  
Ion Ratio Lower Upper  
169 100  
168 68.1 54.4 81.6  
167 38.1 31.2 46.8

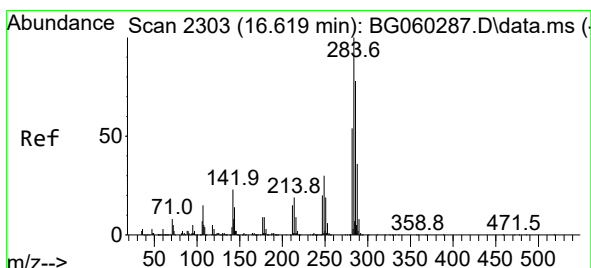
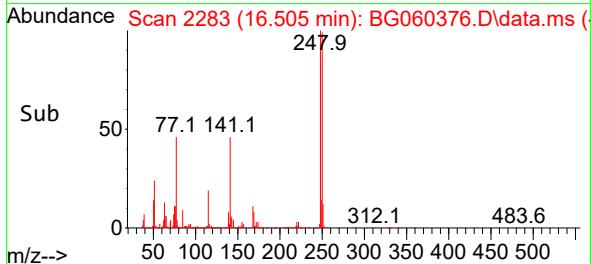
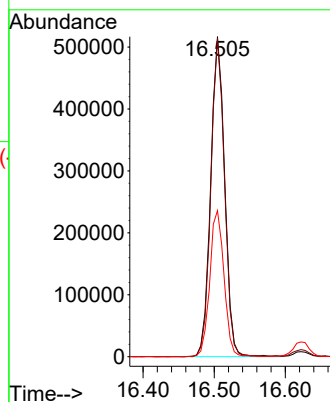
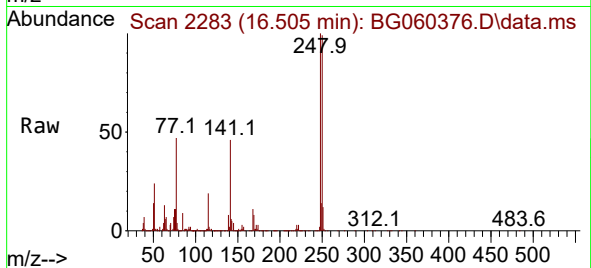




#67  
4-Bromophenyl-phenylether  
Concen: 38.828 ng  
RT: 16.505 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

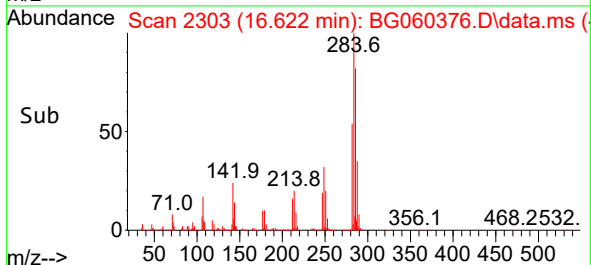
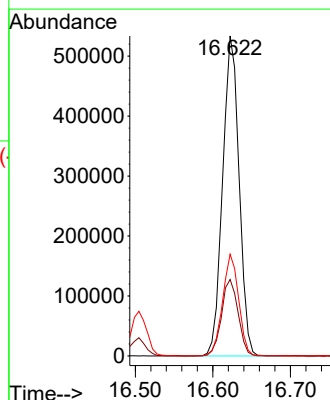
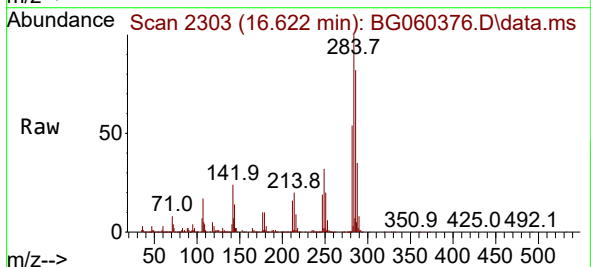
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

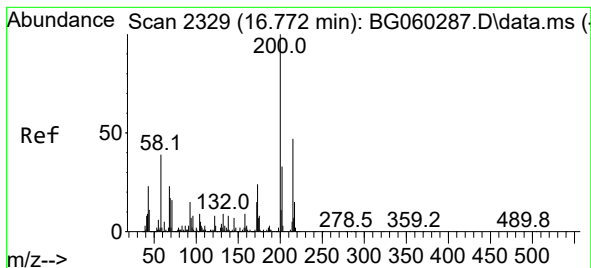
Tgt Ion:248 Resp: 710362  
Ion Ratio Lower Upper  
248 100  
250 99.4 77.6 116.4  
141 45.7 34.2 51.4



#68  
Hexachlorobenzene  
Concen: 36.408 ng  
RT: 16.622 min Scan# 2303  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:284 Resp: 788448  
Ion Ratio Lower Upper  
284 100  
142 23.9 18.2 27.4  
249 31.8 24.3 36.5





#69

Atrazine

Concen: 34.163 ng

RT: 16.775 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Instrument :

BNA\_G

ClientSampleId :

TP-011724MSD

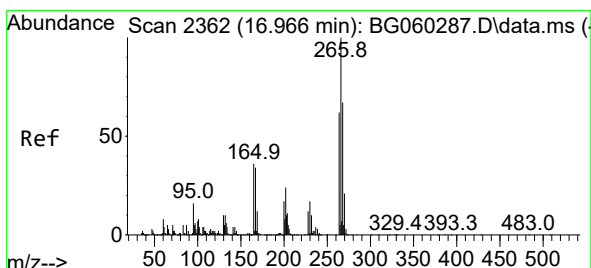
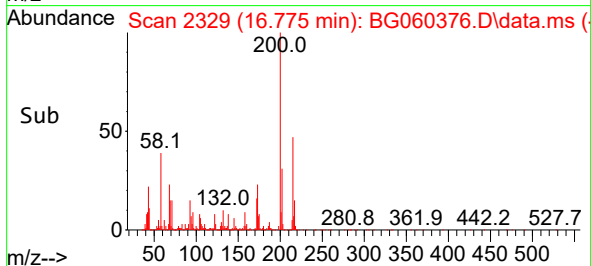
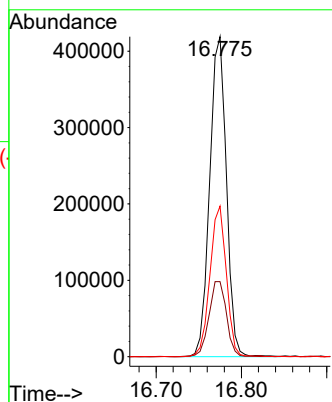
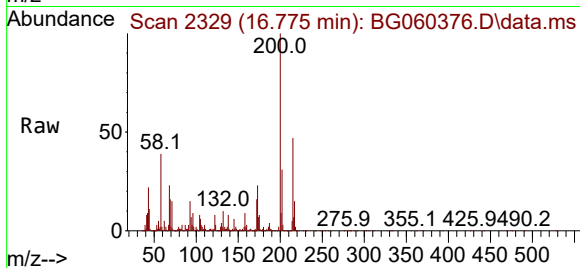
Tgt Ion:200 Resp: 569508

Ion Ratio Lower Upper

200 100

173 23.5 4.1 44.1

215 47.1 27.4 67.4



#70

Pentachlorophenol

Concen: 83.422 ng

RT: 16.969 min Scan# 2362

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

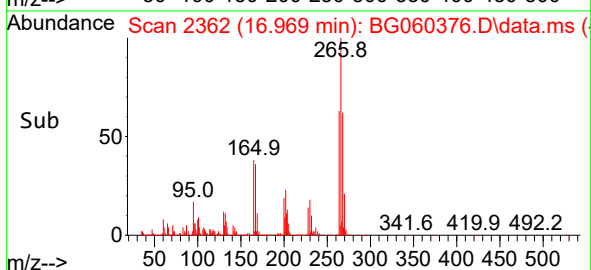
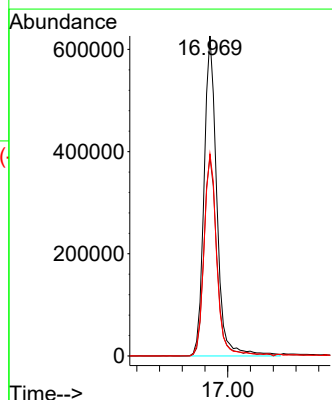
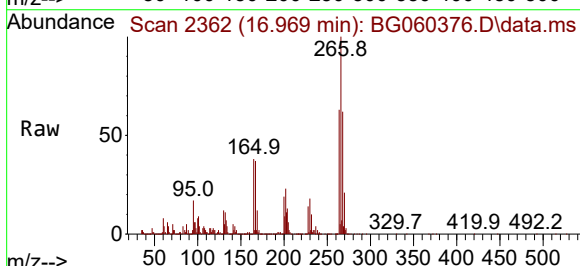
Tgt Ion:266 Resp: 973792

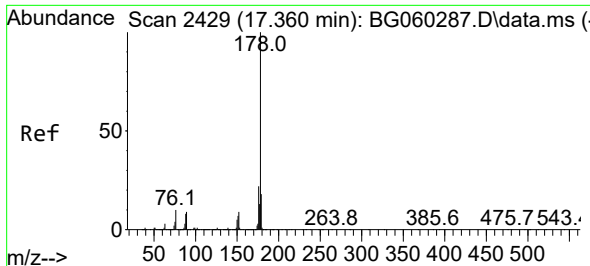
Ion Ratio Lower Upper

266 100

268 62.2 57.4 86.2

264 63.1 49.8 74.8

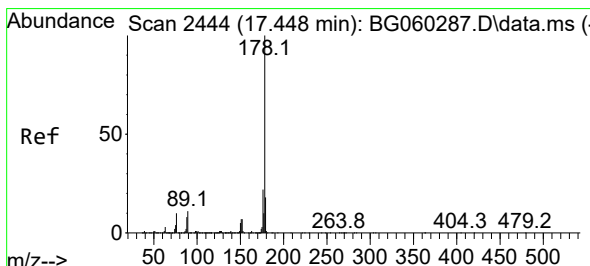
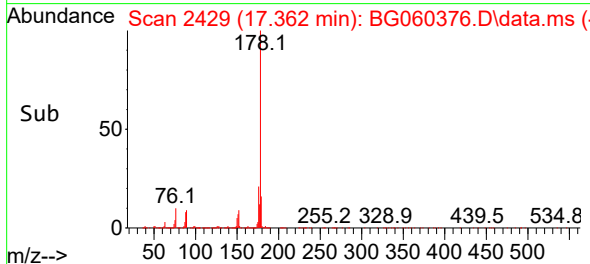
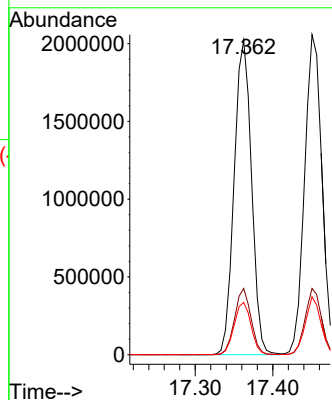
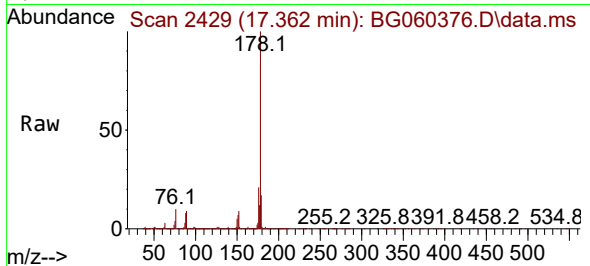




#71  
Phenanthrene  
Concen: 39.131 ng  
RT: 17.362 min Scan# 2429  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

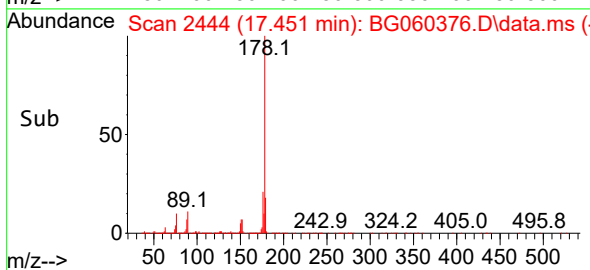
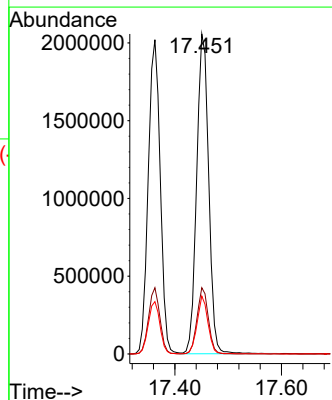
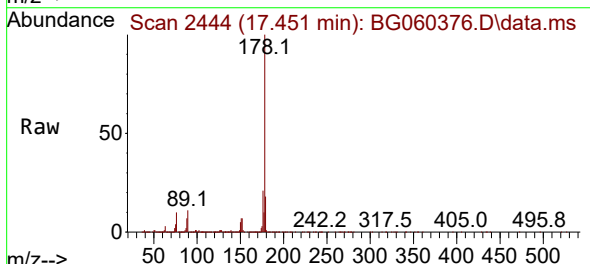
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

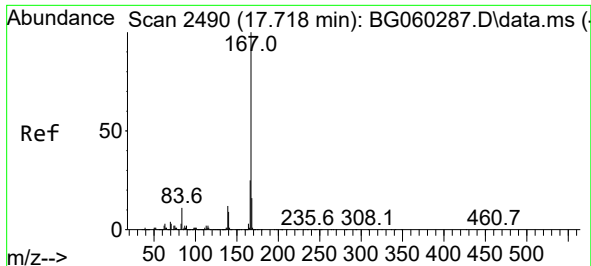
Tgt Ion:178 Resp: 3149253  
Ion Ratio Lower Upper  
178 100  
176 21.1 17.4 26.2  
179 16.6 14.7 22.1



#72  
Anthracene  
Concen: 40.147 ng  
RT: 17.451 min Scan# 2444  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:178 Resp: 3225824  
Ion Ratio Lower Upper  
178 100  
176 20.7 17.8 26.6  
179 18.1 14.1 21.1

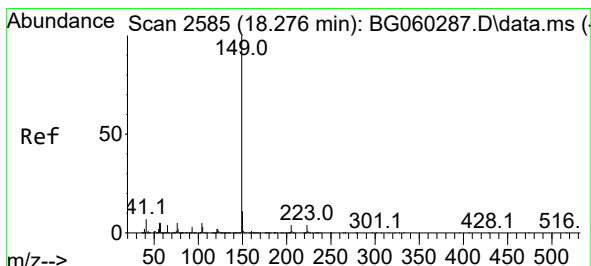
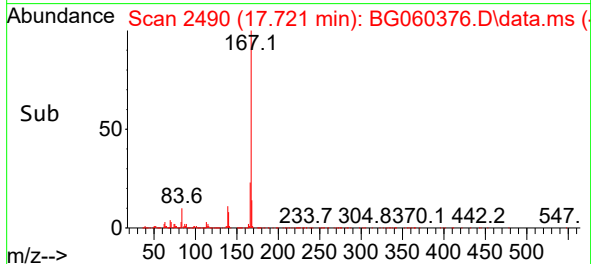
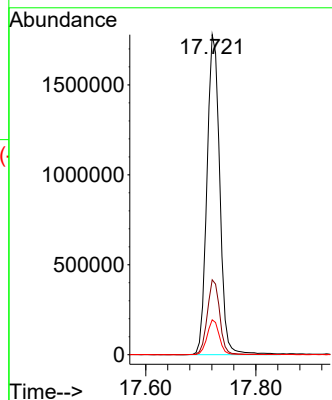
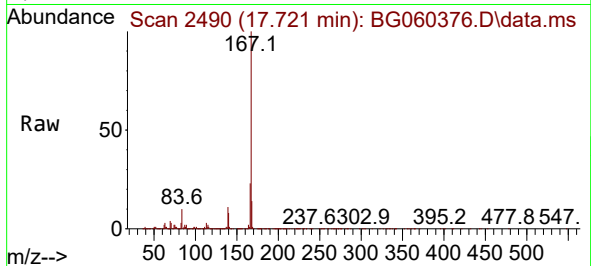




#73  
 Carbazole  
 Concen: 37.815 ng  
 RT: 17.721 min Scan# 2490  
 Delta R.T. 0.003 min  
 Lab File: BG060376.D  
 Acq: 19 Jan 2024 19:43

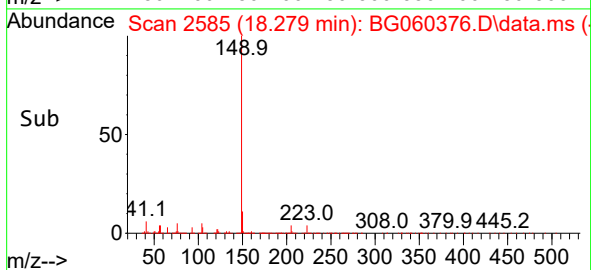
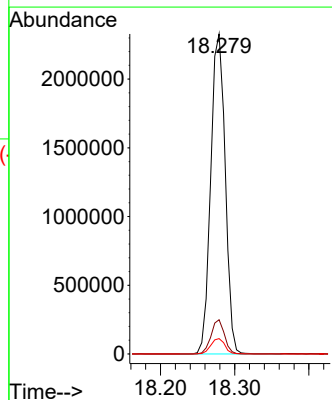
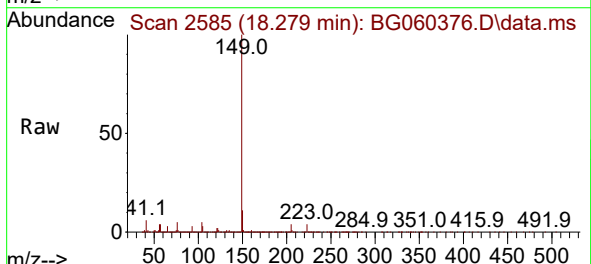
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-011724MSD

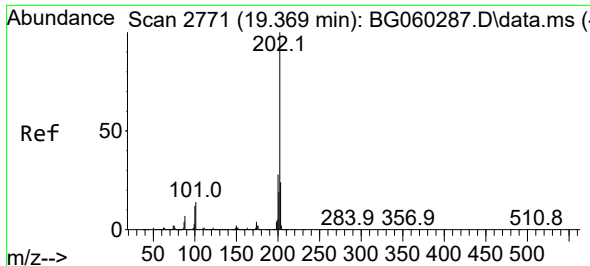
Tgt Ion:167 Resp: 2864511  
 Ion Ratio Lower Upper  
 167 100  
 166 23.4 19.8 29.8  
 139 10.9 9.3 13.9



#74  
 Di-n-butylphthalate  
 Concen: 40.594 ng  
 RT: 18.279 min Scan# 2585  
 Delta R.T. 0.003 min  
 Lab File: BG060376.D  
 Acq: 19 Jan 2024 19:43

Tgt Ion:149 Resp: 3163966  
 Ion Ratio Lower Upper  
 149 100  
 150 10.7 9.1 13.7  
 104 4.8 4.3 6.5

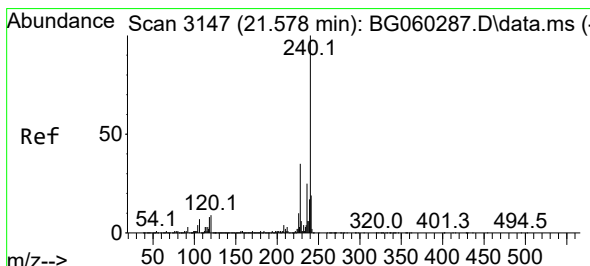
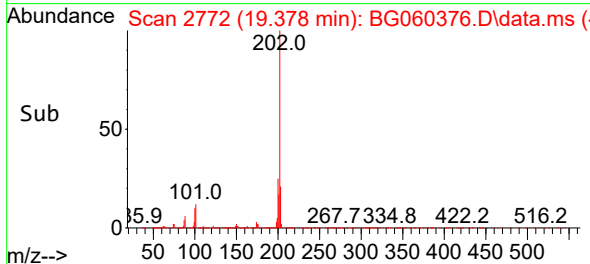
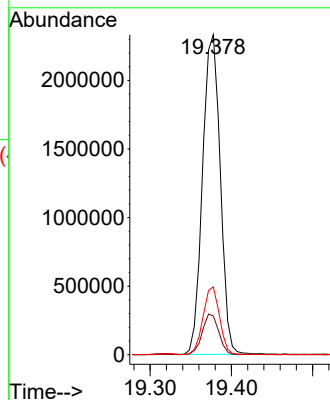
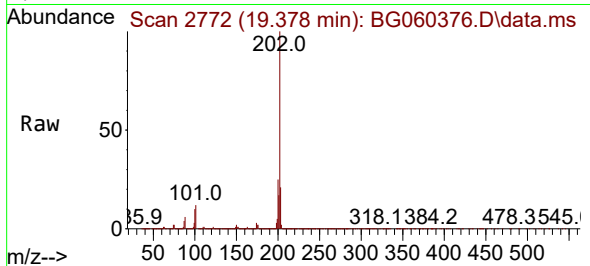




#75  
Fluoranthene  
Concen: 36.548 ng  
RT: 19.378 min Scan# 21  
Delta R.T. 0.009 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

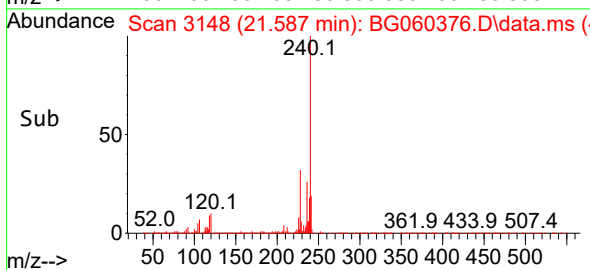
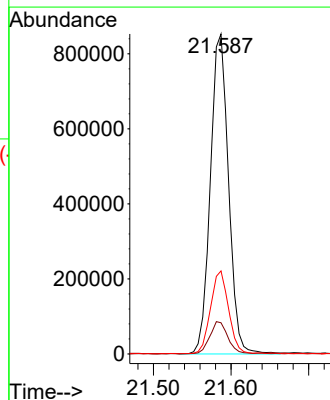
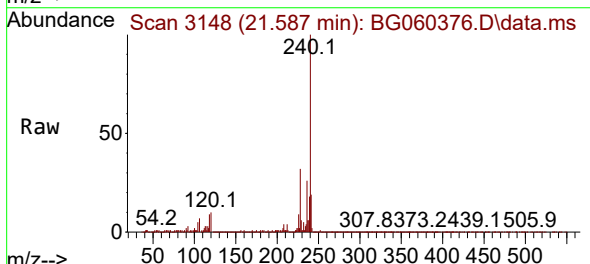
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

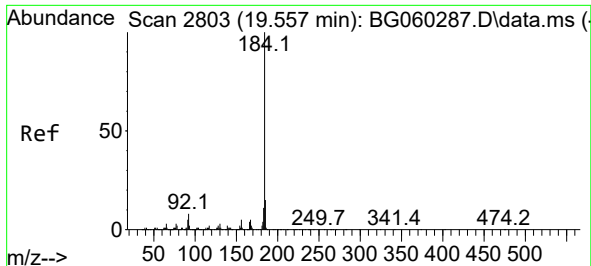
Tgt Ion:202 Resp: 3532803  
Ion Ratio Lower Upper  
202 100  
101 12.1 0.0 34.4  
203 21.2 4.0 44.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.587 min Scan# 3148  
Delta R.T. 0.009 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:240 Resp: 1387222  
Ion Ratio Lower Upper  
240 100  
120 9.8 7.3 10.9  
236 26.0 20.3 30.5

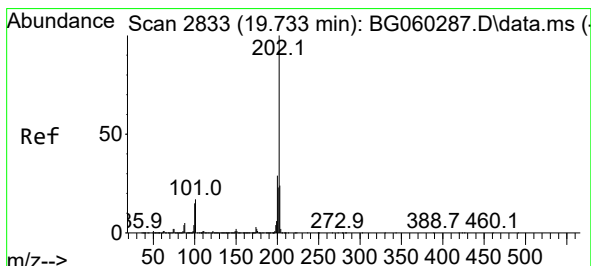
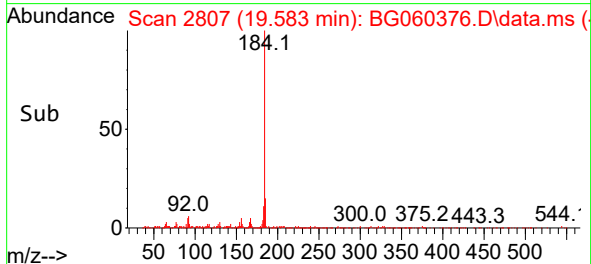
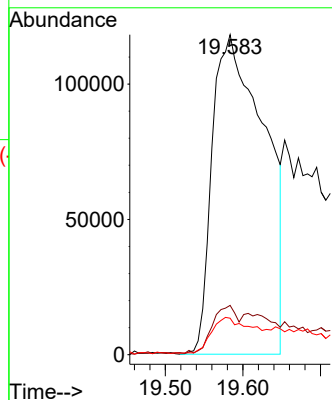
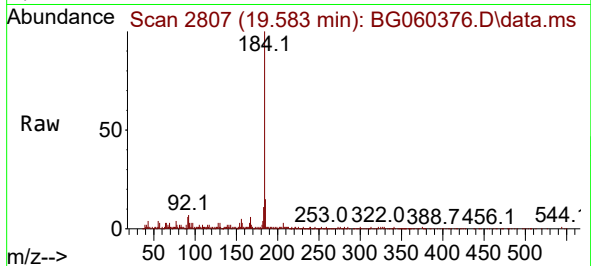




#77  
Benzidine  
Concen: 18.361 ng  
RT: 19.583 min Scan# 21  
Delta R.T. 0.026 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

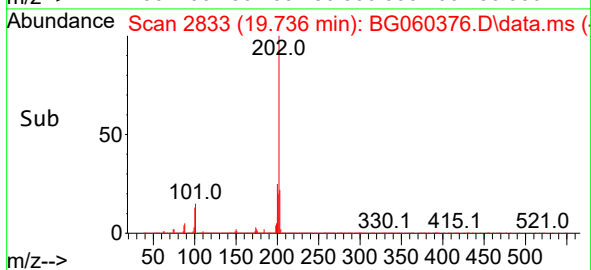
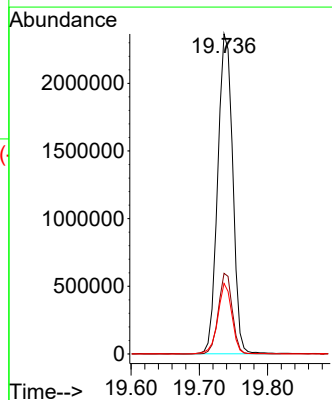
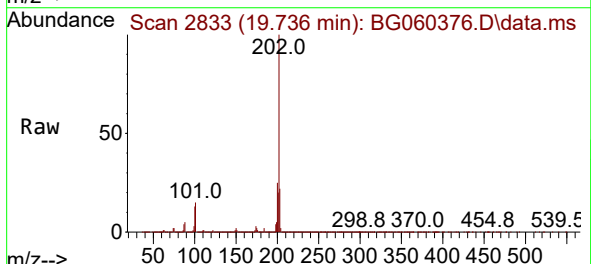
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

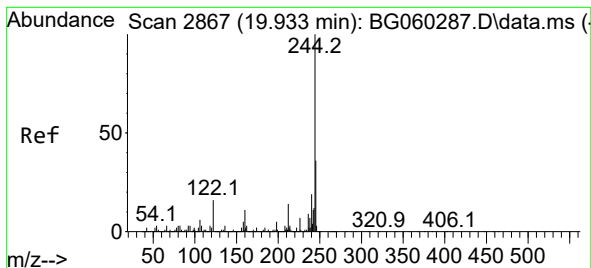
Tgt Ion:184 Resp: 553349  
Ion Ratio Lower Upper  
184 100  
185 15.4 12.2 18.4  
183 11.4 9.0 13.4



#78  
Pyrene  
Concen: 40.872 ng  
RT: 19.736 min Scan# 2833  
Delta R.T. 0.003 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:202 Resp: 3620765  
Ion Ratio Lower Upper  
202 100  
200 25.2 23.5 35.3  
203 22.0 19.6 29.4





#79

Terphenyl-d14

Concen: 99.800 ng

RT: 19.936 min Scan# 2867

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Instrument :

BNA\_G

ClientSampleId :

TP-011724MSD

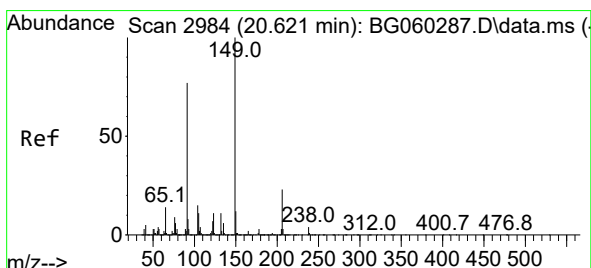
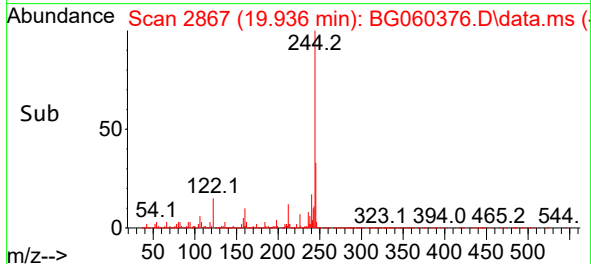
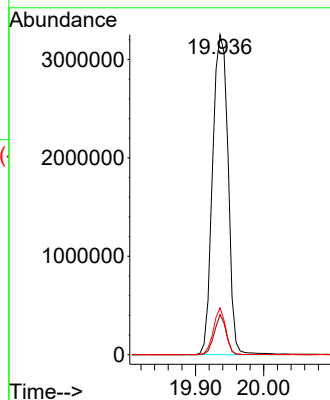
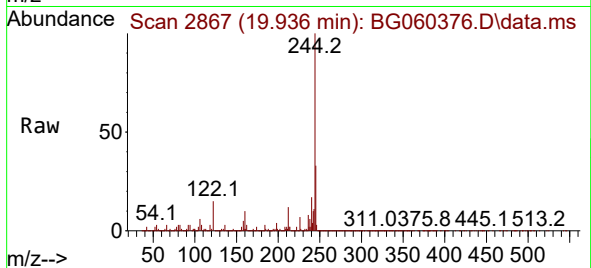
Tgt Ion:244 Resp: 5140985

Ion Ratio Lower Upper

244 100

212 12.5 10.9 16.3

122 14.6 12.6 18.8



#80

Butylbenzylphthalate

Concen: 46.240 ng

RT: 20.623 min Scan# 2984

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

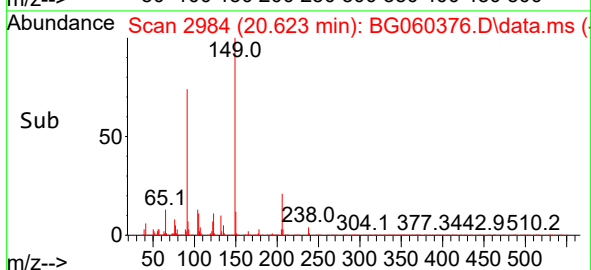
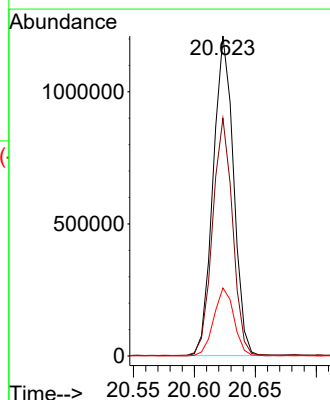
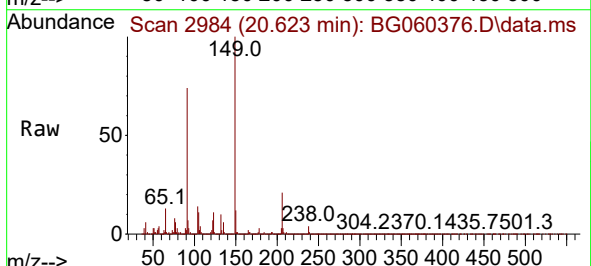
Tgt Ion:149 Resp: 1409285

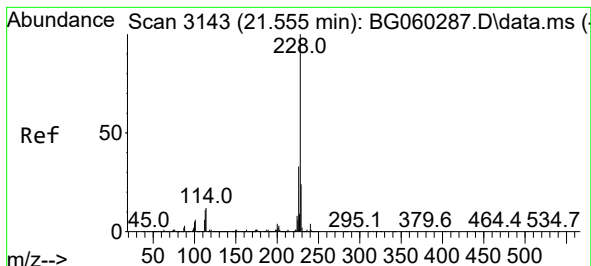
Ion Ratio Lower Upper

149 100

91 74.3 61.4 92.2

206 21.3 18.0 27.0





#81

Benzo(a)anthracene

Concen: 40.373 ng

RT: 21.563 min Scan# 3144

Delta R.T. 0.009 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Instrument :

BNA\_G

ClientSampleId :

TP-011724MSD

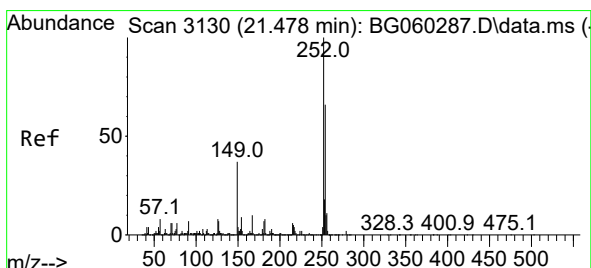
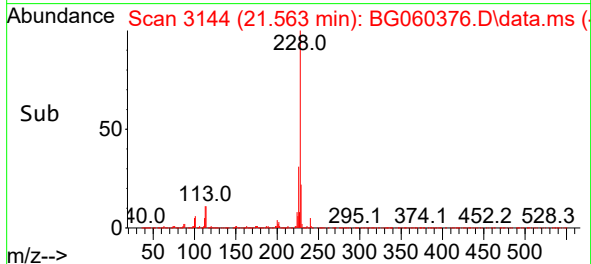
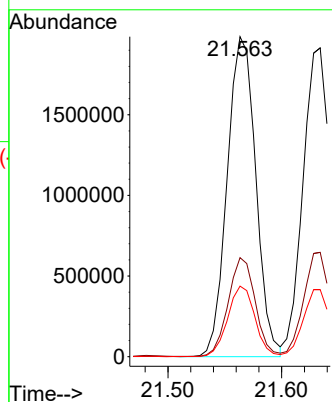
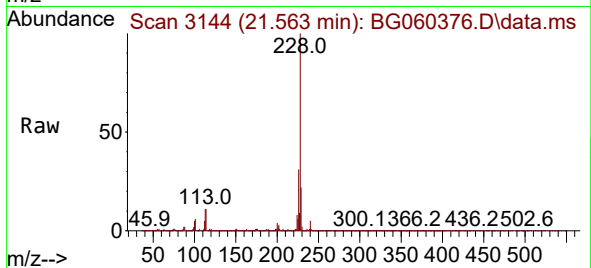
Tgt Ion:228 Resp: 3467204

Ion Ratio Lower Upper

228 100

226 31.0 26.2 39.2

229 22.1 19.4 29.2



#82

3,3'-Dichlorobenzidine

Concen: 17.891 ng

RT: 21.481 min Scan# 3130

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

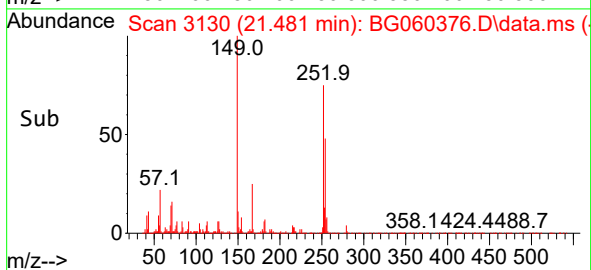
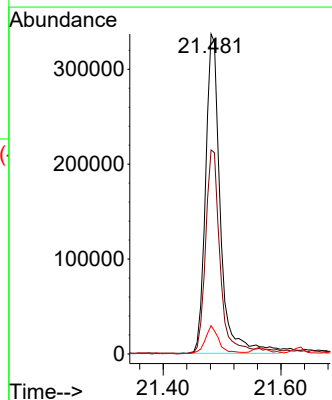
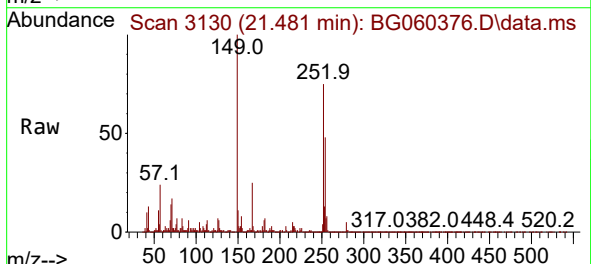
Tgt Ion:252 Resp: 588421

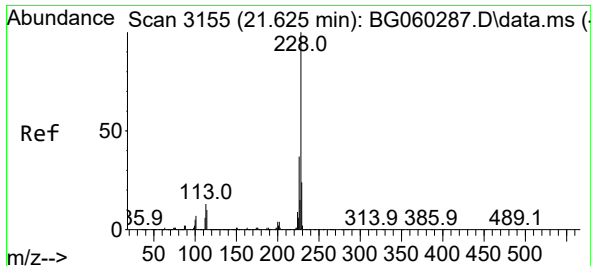
Ion Ratio Lower Upper

252 100

254 63.8 52.6 79.0

126 8.9 6.3 9.5





#83

Chrysene

Concen: 38.850 ng

RT: 21.634 min Scan# 3155

Delta R.T. 0.009 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Instrument :

BNA\_G

ClientSampleId :

TP-011724MSD

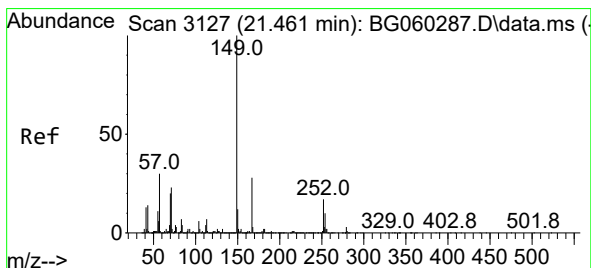
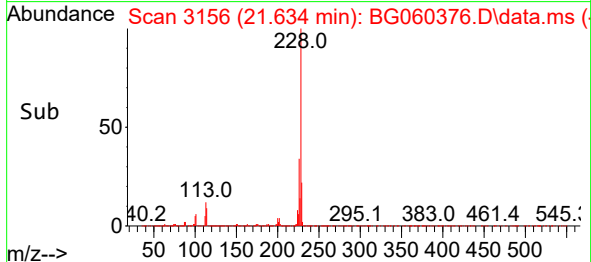
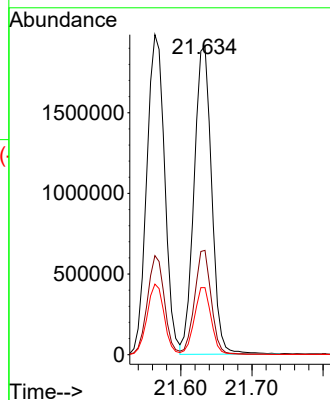
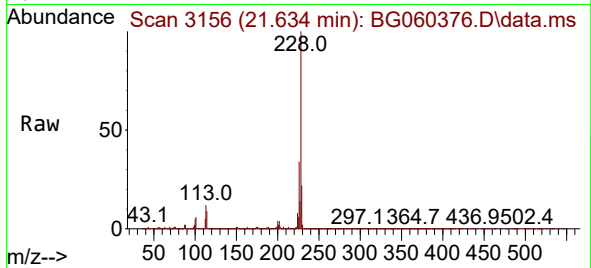
Tgt Ion:228 Resp: 3281423

Ion Ratio Lower Upper

228 100

226 33.8 29.4 44.2

229 21.7 19.2 28.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.469 ng

RT: 21.469 min Scan# 3128

Delta R.T. 0.009 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

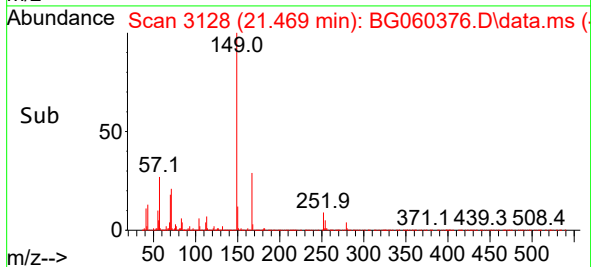
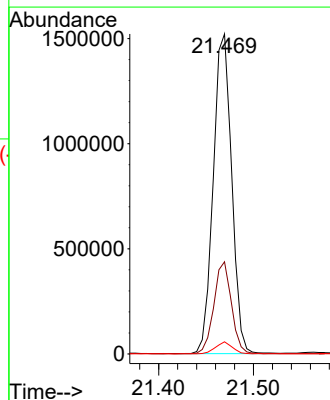
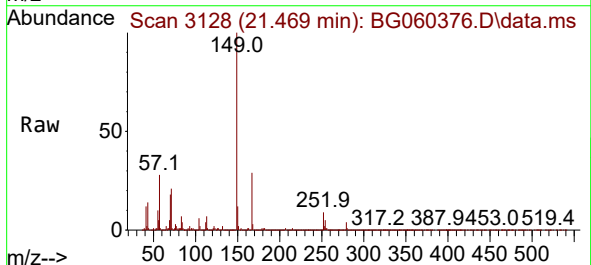
Tgt Ion:149 Resp: 2048012

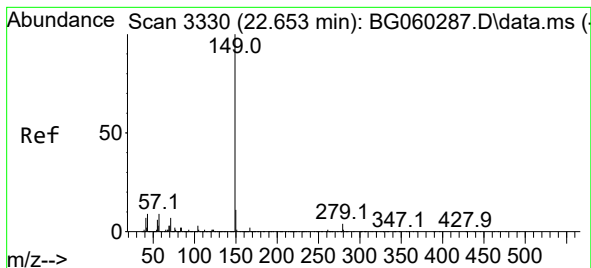
Ion Ratio Lower Upper

149 100

167 28.8 22.2 33.2

279 3.8 2.7 4.1





#85

Di-n-octyl phthalate

Concen: 46.749 ng

RT: 22.656 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Instrument :

BNA\_G

ClientSampleId :

TP-011724MSD

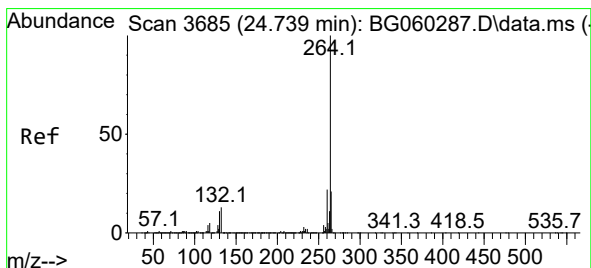
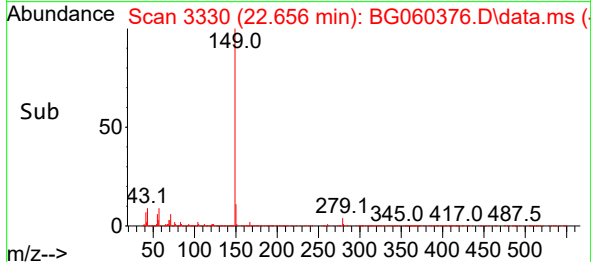
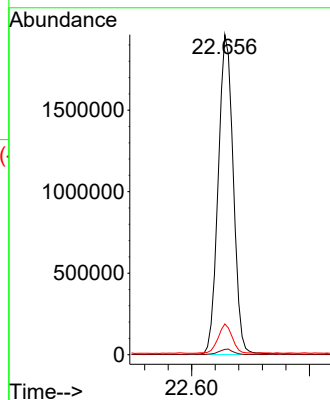
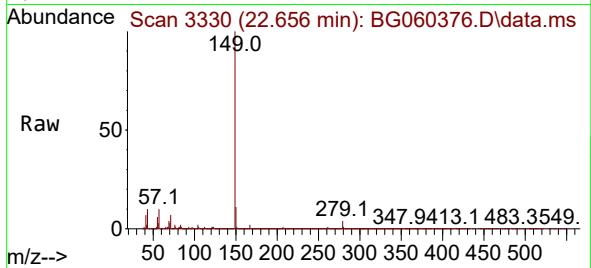
Tgt Ion:149 Resp: 3488989

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.6 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.760 min Scan# 3688

Delta R.T. 0.020 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

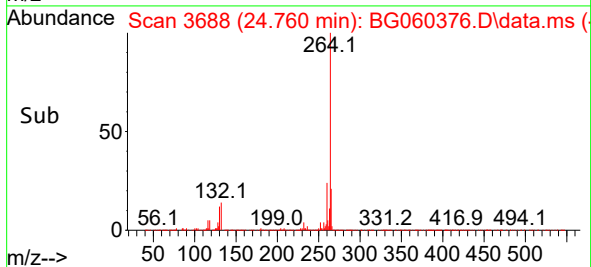
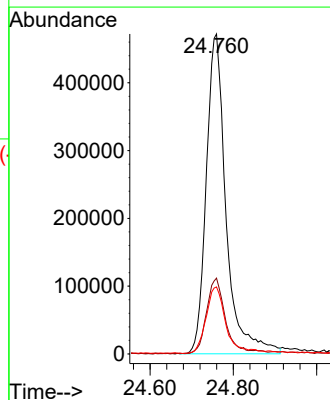
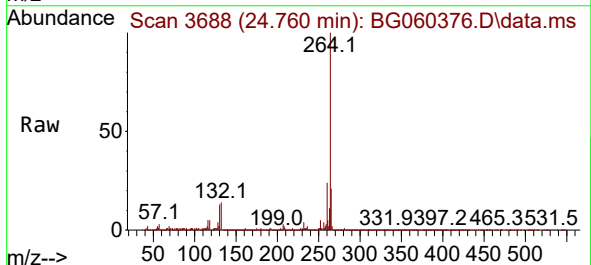
Tgt Ion:264 Resp: 1556986

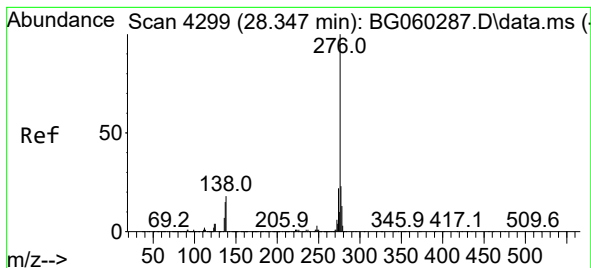
Ion Ratio Lower Upper

264 100

260 23.7 17.8 26.6

265 21.0 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 31.495 ng

RT: 28.373 min Scan# 41

Delta R.T. 0.026 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Instrument :

BNA\_G

ClientSampleId :

TP-011724MSD

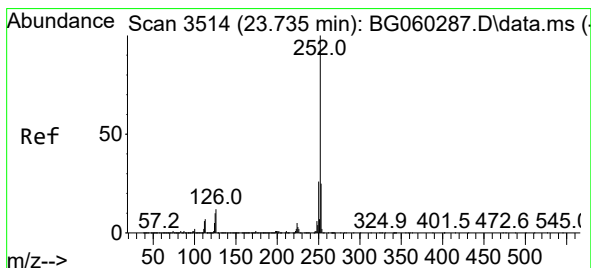
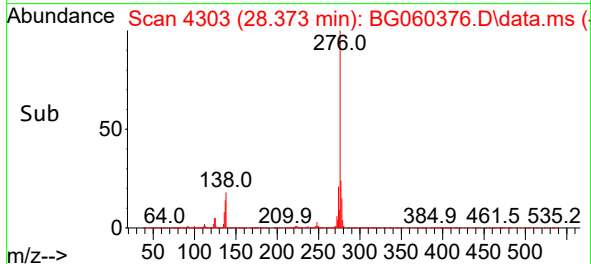
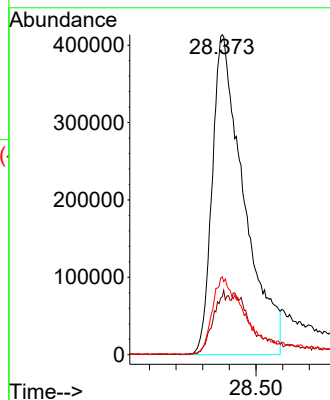
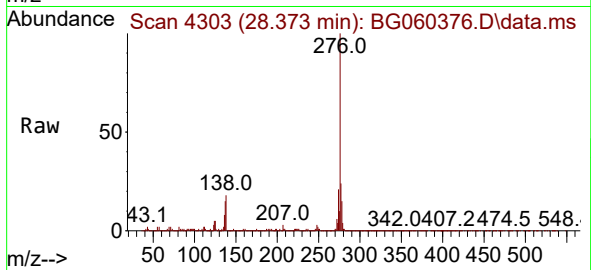
Tgt Ion:276 Resp: 3409649

Ion Ratio Lower Upper

276 100

138 10.0 12.5 18.7#

277 14.2 20.5 30.7#



#88

Benzo(b)fluoranthene

Concen: 37.845 ng

RT: 23.749 min Scan# 3516

Delta R.T. 0.014 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

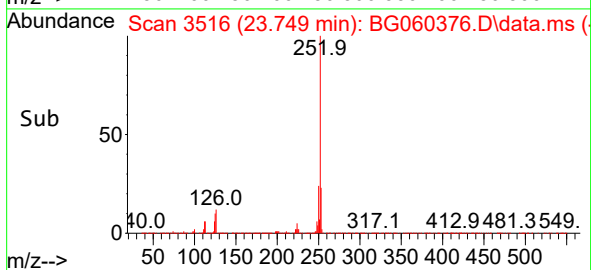
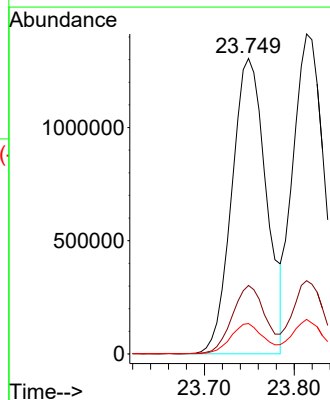
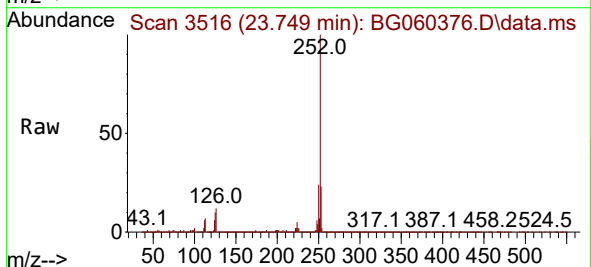
Tgt Ion:252 Resp: 3481009

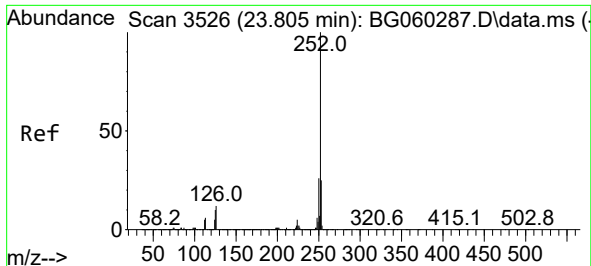
Ion Ratio Lower Upper

252 100

253 23.2 20.0 30.0

125 10.3 8.1 12.1

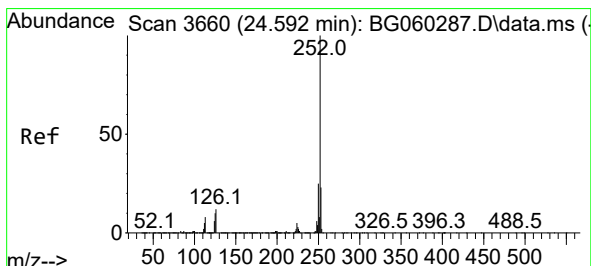
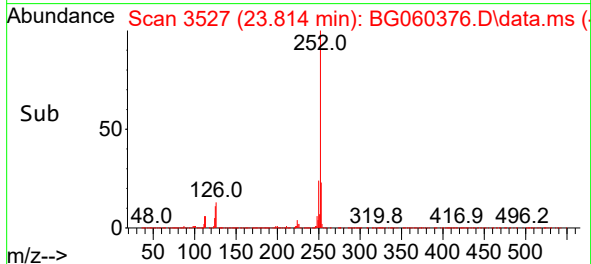
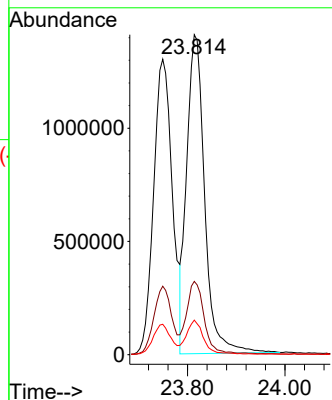
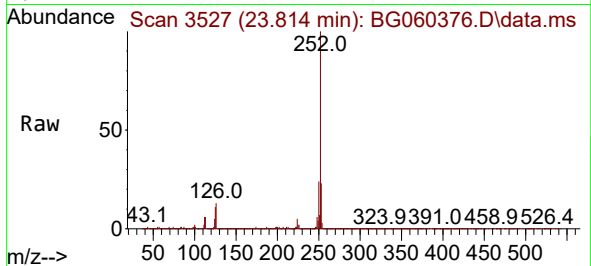




#89  
Benzo(k)fluoranthene  
Concen: 39.719 ng  
RT: 23.814 min Scan# 31  
Delta R.T. 0.009 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

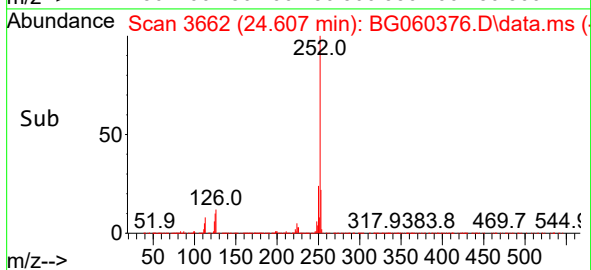
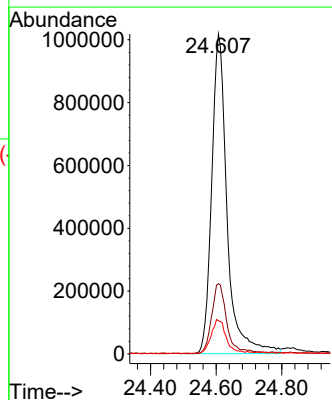
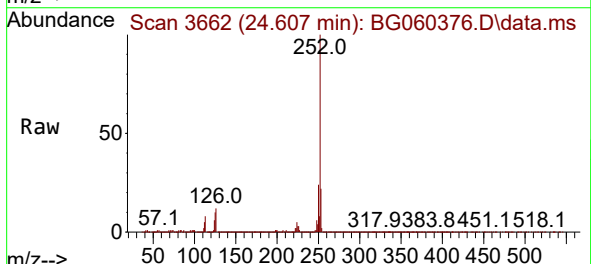
Instrument :  
BNA\_G  
ClientSampleId :  
TP-011724MSD

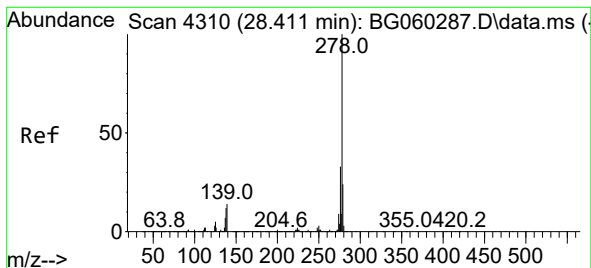
Tgt Ion:252 Resp: 3605132  
Ion Ratio Lower Upper  
252 100  
253 22.9 19.6 29.4  
125 10.8 8.2 12.2



#90  
Benzo(a)pyrene  
Concen: 39.792 ng  
RT: 24.607 min Scan# 3662  
Delta R.T. 0.014 min  
Lab File: BG060376.D  
Acq: 19 Jan 2024 19:43

Tgt Ion:252 Resp: 3306315  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.1 27.1  
125 10.4 8.1 12.1





#91

Dibenzo(a,h)anthracene

Concen: 33.686 ng

RT: 28.444 min Scan# 41

Delta R.T. 0.032 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Instrument :

BNA\_G

ClientSampleId :

TP-011724MSD

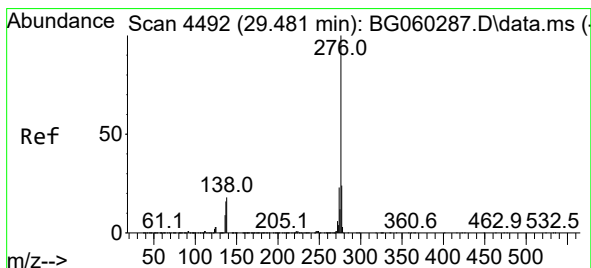
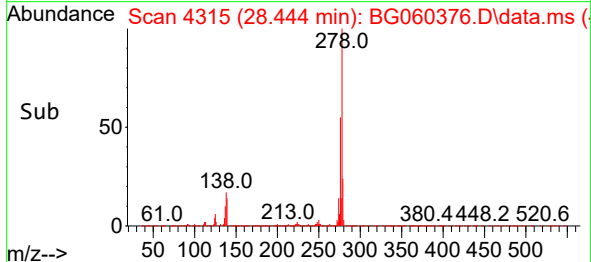
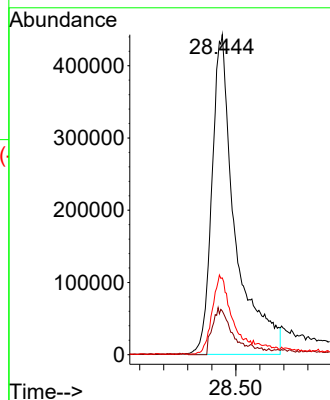
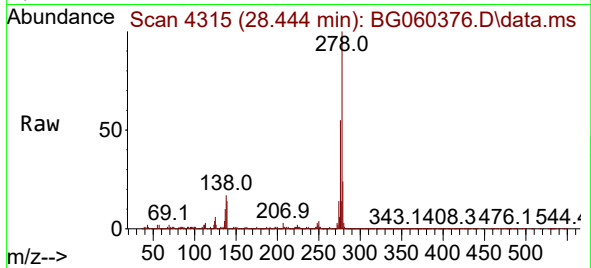
Tgt Ion:278 Resp: 2978199

Ion Ratio Lower Upper

278 100

139 13.7 10.9 16.3

279 24.0 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 23.401 ng

RT: 29.507 min Scan# 4496

Delta R.T. 0.026 min

Lab File: BG060376.D

Acq: 19 Jan 2024 19:43

Tgt Ion:276 Resp: 2120408

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

138 20.8 14.2 21.4

