

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040125\  
 Data File : BG064133.D  
 Acq On : 1 Apr 2025 13:43  
 Operator : RC/JU  
 Sample : Q1672-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-8

Quant Time: Apr 01 14:23:24 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG030525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 05 15:39:19 2025  
 Response via : Initial Calibration

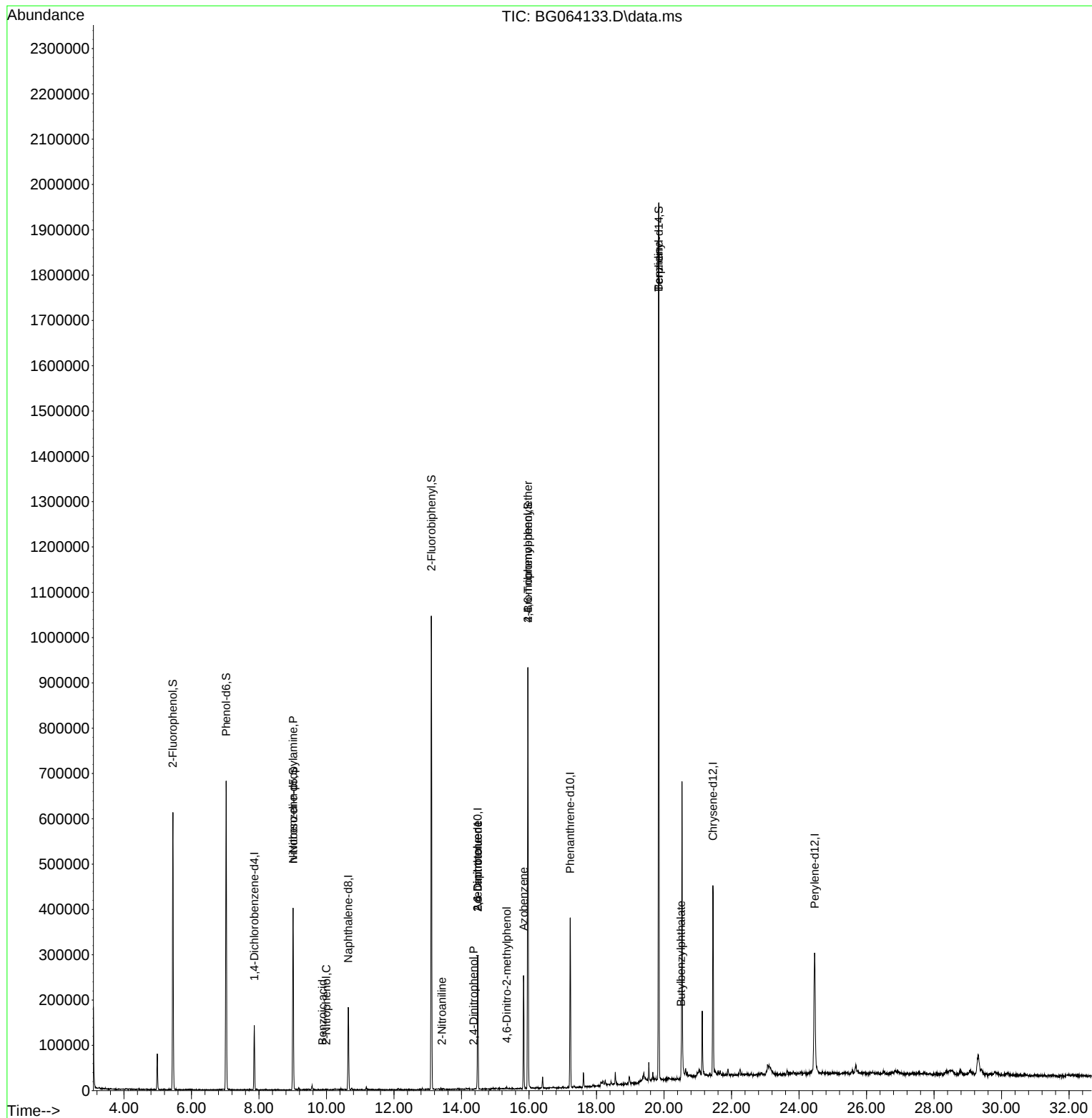
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.859  | 152  | 33083    | 20.000  | ng     | 0.00     |
| 21) Naphthalene-d8            | 10.644 | 136  | 139783   | 20.000  | ng     | -0.01    |
| 39) Acenaphthene-d10          | 14.481 | 164  | 95138    | 20.000  | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.219 | 188  | 219379   | 20.000  | ng     | -0.01    |
| 76) Chrysene-d12              | 21.449 | 240  | 238092   | 20.000  | ng     | -0.01    |
| 86) Perylene-d12              | 24.463 | 264  | 259474   | 20.000  | ng     | -0.01    |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.450  | 112  | 230967   | 109.011 | ng     | 0.00     |
| 7) Phenol-d6                  | 7.025  | 99   | 321291   | 111.470 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.011  | 82   | 206195   | 81.517  | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.967 | 330  | 155560   | 147.098 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.106 | 172  | 493955   | 78.808  | ng     | -0.01    |
| 79) Terphenyl-d14             | 19.845 | 244  | 886644   | 75.298  | ng     | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 9.011  | 70   | 30133    | 14.897  | ng     | # 67     |
| 26) 2-Nitrophenol             | 9.992  | 139  | 59       | 3.355   | ng     | # 26     |
| 32) Benzoic acid              | 9.880  | 122  | 62       | 8.726   | ng     | # 1      |
| 48) 2-Nitroaniline            | 13.417 | 65   | 55       | 3.247   | ng     | # 11     |
| 51) 2,6-Dinitrotoluene        | 14.481 | 165  | 13718    | 12.312  | ng     | # 17     |
| 54) 2,4-Dinitrophenol         | 14.357 | 184  | 60       | 7.973   | ng     | # 15     |
| 57) 2,4-Dinitrotoluene        | 14.481 | 165  | 13718    | 10.094  | ng     | # 18     |
| 63) Azobenzene                | 15.838 | 77   | 71204    | 8.752   | ng     | # 7      |
| 65) 4,6-Dinitro-2-methylph... | 15.345 | 198  | 73       | 8.243   | ng     | # 23     |
| 67) 4-Bromophenyl-phenylether | 15.967 | 248  | 11432    | 5.088   | ng     | # 1      |
| 77) Benzidine                 | 19.839 | 184  | 17075    | 5.179   | ng     | # 96     |
| 80) Butylbenzylphthalate      | 20.509 | 149  | 1409     | 3.864   | ng     | # 59     |
| -----                         |        |      |          |         |        |          |

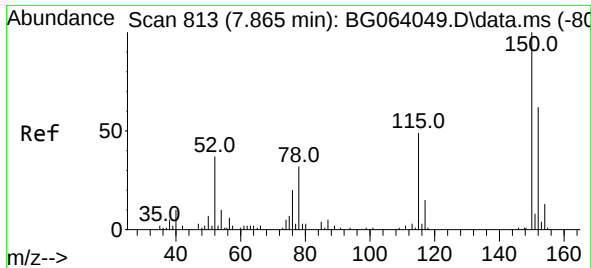
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040125\  
Data File : BG064133.D  
Acq On : 1 Apr 2025 13:43  
Operator : RC/JU  
Sample : Q1672-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-8

Quant Time: Apr 01 14:23:24 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG030525.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 05 15:39:19 2025  
Response via : Initial Calibration

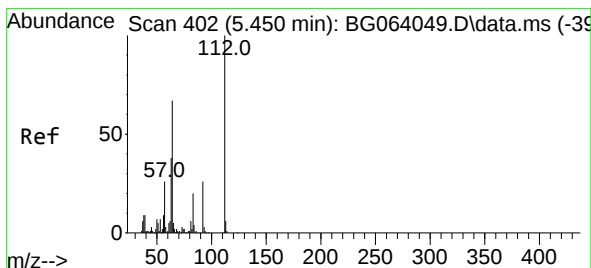
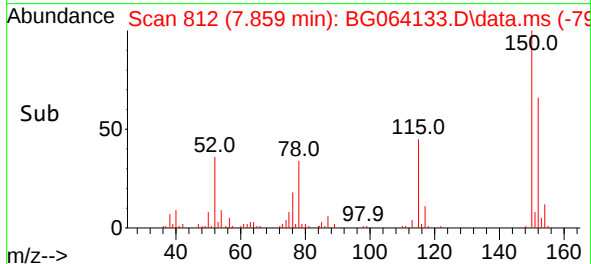
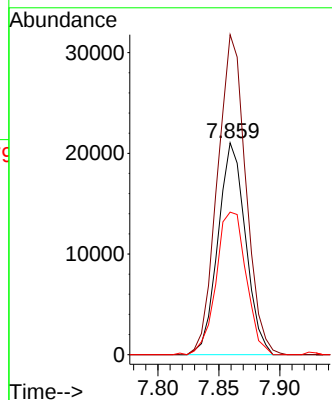
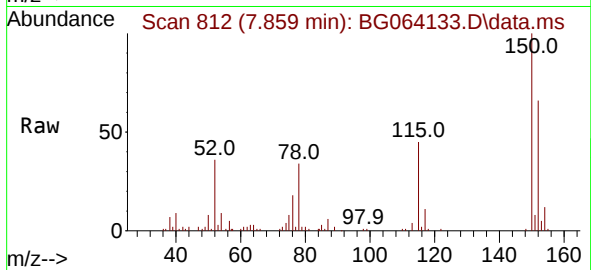




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.859 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

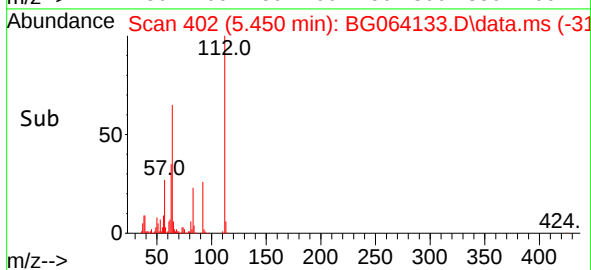
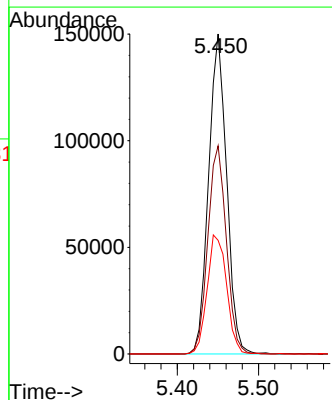
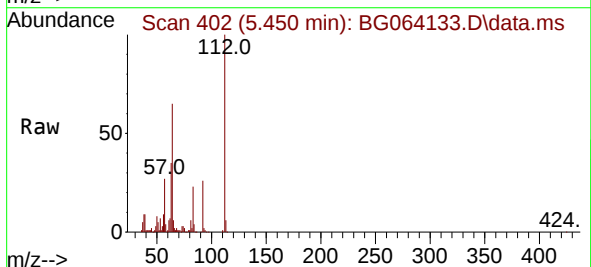
Instrument :  
BNA\_G  
ClientSampleId :  
TP-8

Tgt Ion:152 Resp: 33083  
Ion Ratio Lower Upper  
152 100  
150 151.0 129.2 193.8  
115 67.3 63.0 94.6



#5  
2-Fluorophenol  
Concen: 109.011 ng  
RT: 5.450 min Scan# 402  
Delta R.T. 0.000 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

Tgt Ion:112 Resp: 230967  
Ion Ratio Lower Upper  
112 100  
64 65.1 53.7 80.5  
63 35.5 30.2 45.4

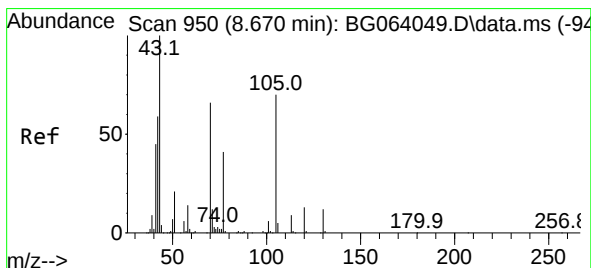
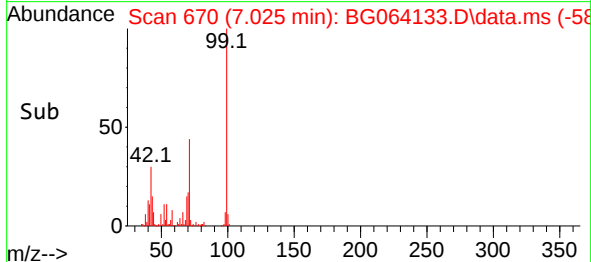
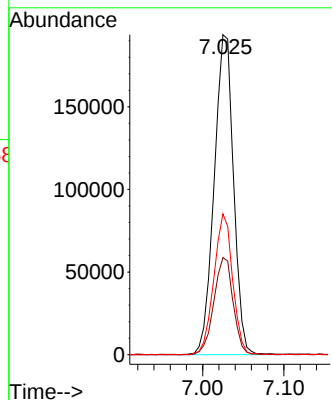
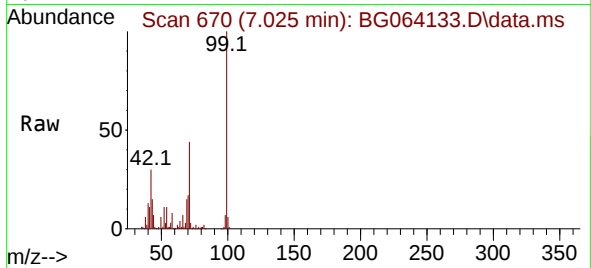




#7  
Phenol-d6  
Concen: 111.470 ng  
RT: 7.025 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

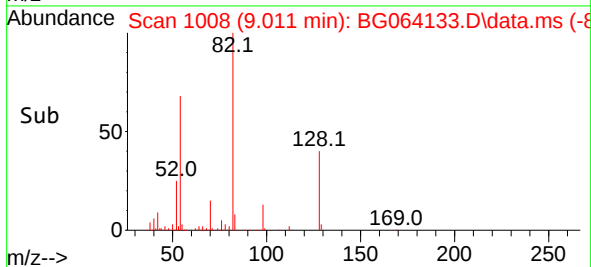
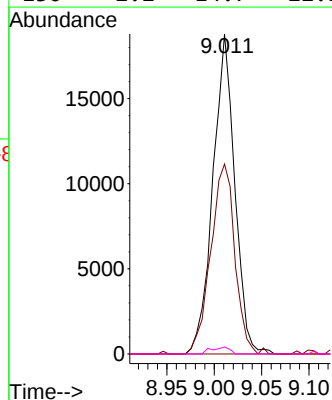
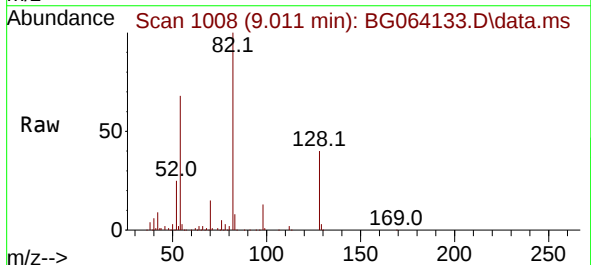
Instrument :  
BNA\_G  
ClientSampleId :  
TP-8

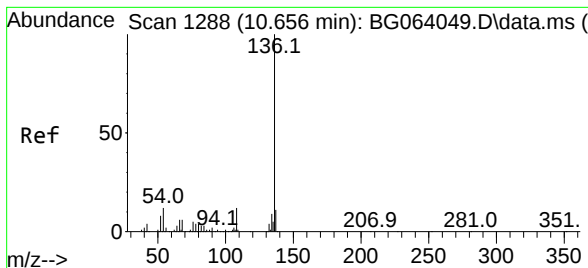
Tgt Ion: 99 Resp: 321291  
Ion Ratio Lower Upper  
99 100  
42 30.3 22.7 34.1  
71 44.0 30.6 46.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.897 ng  
RT: 9.011 min Scan# 1008  
Delta R.T. 0.341 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

Tgt Ion: 70 Resp: 30133  
Ion Ratio Lower Upper  
70 100  
42 59.4 72.1 108.1#  
101 0.0 7.2 10.8#  
130 2.2 14.7 22.1#

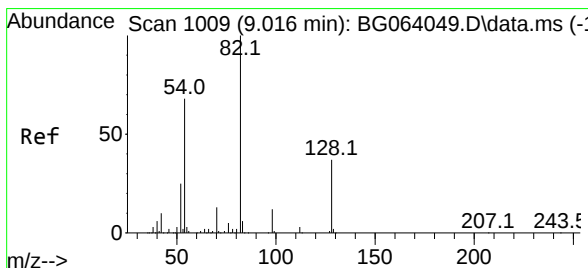
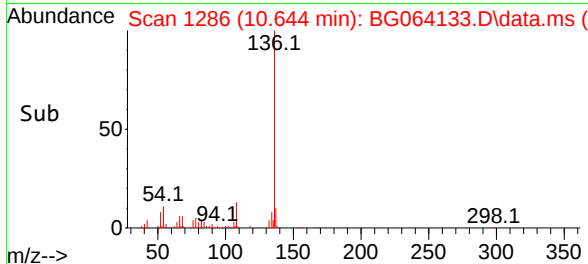
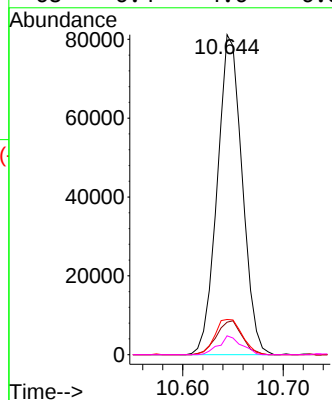
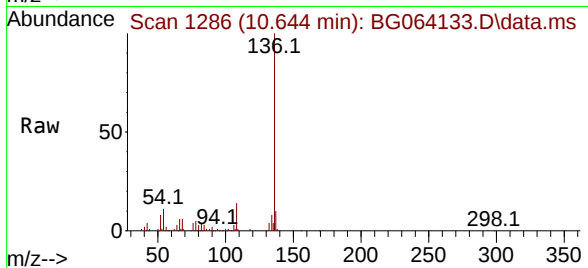




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.644 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

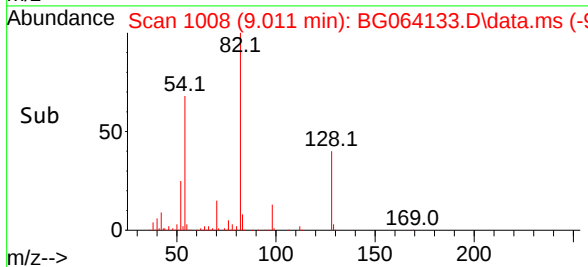
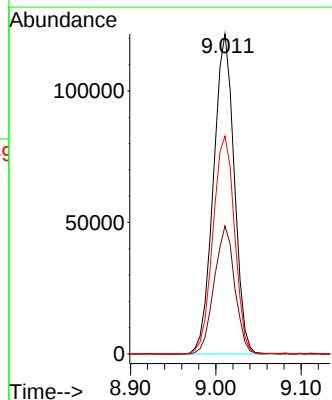
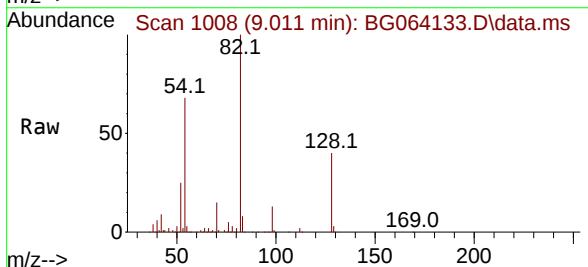
Instrument :  
BNA\_G  
ClientSampleId :  
TP-8

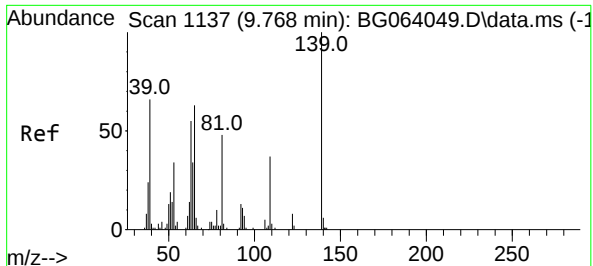
|         |       |       |        |
|---------|-------|-------|--------|
| Tgt Ion | 136   | Resp: | 139783 |
|         | Ratio | Lower | Upper  |
| 136     | 100   |       |        |
| 137     | 10.1  | 8.5   | 12.7   |
| 54      | 11.0  | 9.9   | 14.9   |
| 68      | 6.4   | 4.6   | 6.8    |



#23  
Nitrobenzene-d5  
Concen: 81.517 ng  
RT: 9.011 min Scan# 1008  
Delta R.T. -0.006 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 206195 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 40.0    | 30.0 45.0    |
| 54 68.1     | 54.7 82.1    |

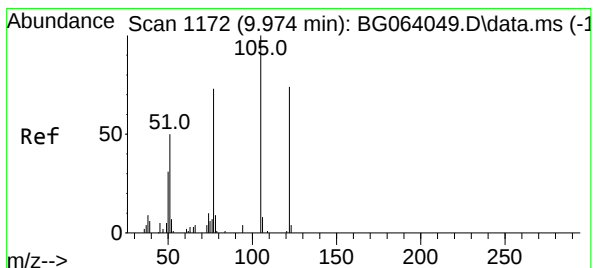
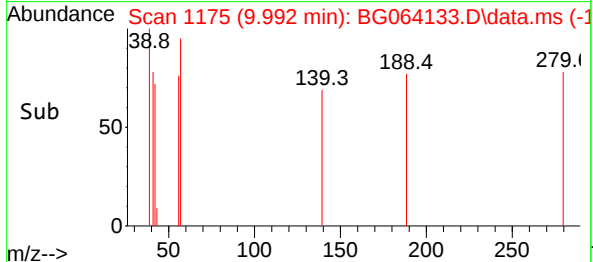
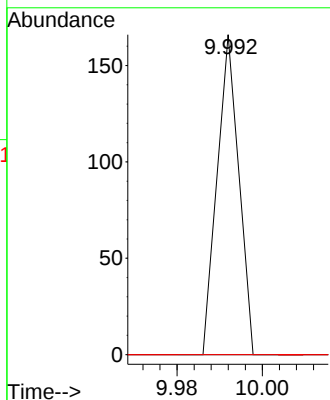
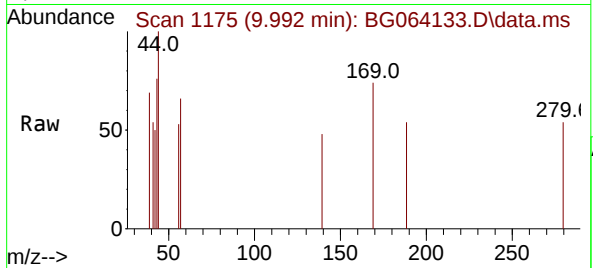




#26  
2-Nitrophenol  
Concen: 3.355 ng  
RT: 9.992 min Scan# 1156  
Delta R.T. 0.224 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

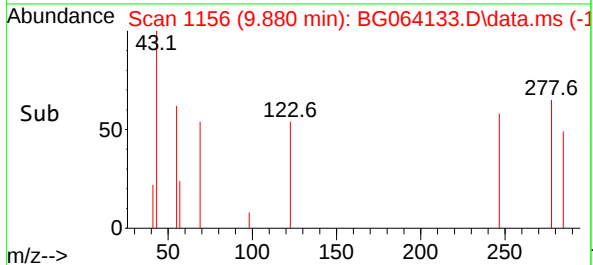
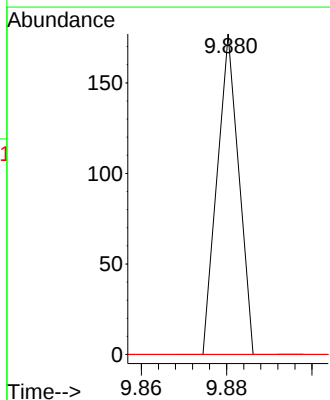
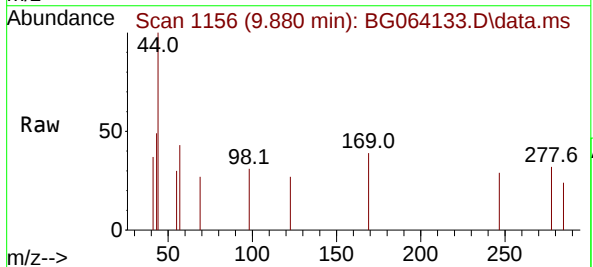
Instrument :  
BNA\_G  
ClientSampleId :  
TP-8

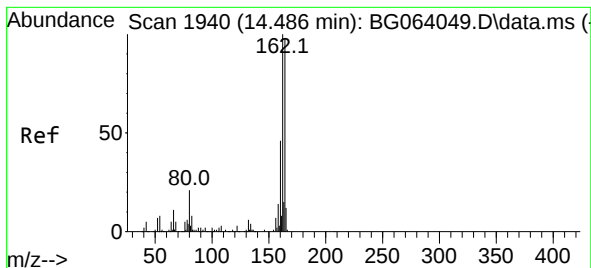
Tgt Ion:139 Resp: 59  
Ion Ratio Lower Upper  
139 100  
109 0.0 29.9 44.9#  
65 0.0 50.6 76.0#



#32  
Benzoic acid  
Concen: 8.726 ng  
RT: 9.880 min Scan# 1156  
Delta R.T. -0.094 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

Tgt Ion:122 Resp: 62  
Ion Ratio Lower Upper  
122 100  
105 0.0 115.0 155.0#  
77 0.0 80.9 120.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.481 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BG064133.D

Acq: 1 Apr 2025 13:43

Instrument :

BNA\_G

ClientSampleId :

TP-8

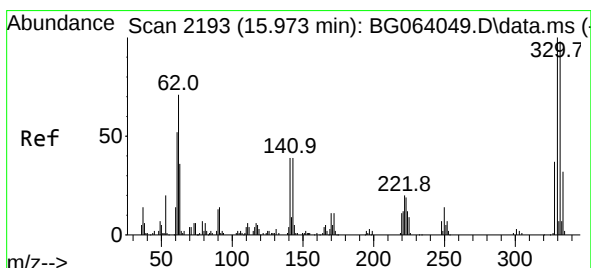
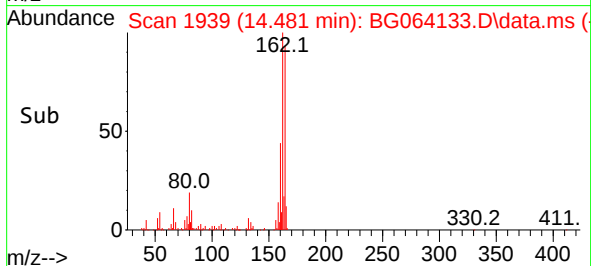
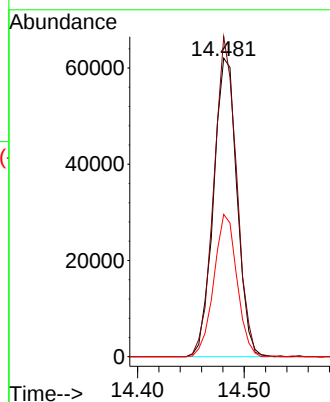
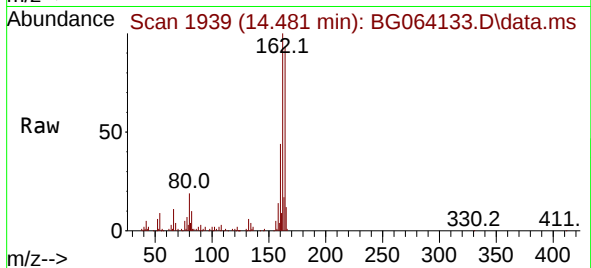
Tgt Ion:164 Resp: 95138

Ion Ratio Lower Upper

164 100

162 107.2 81.4 122.0

160 47.7 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 147.098 ng

RT: 15.967 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BG064133.D

Acq: 1 Apr 2025 13:43

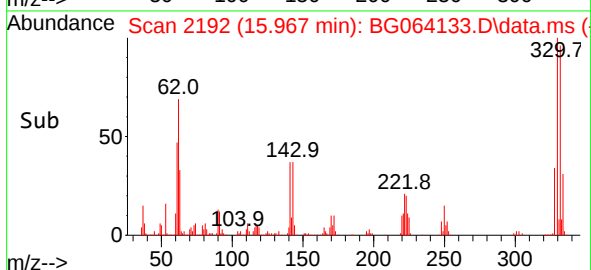
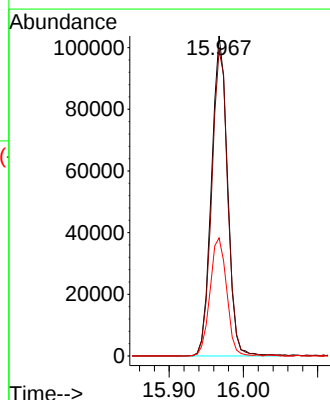
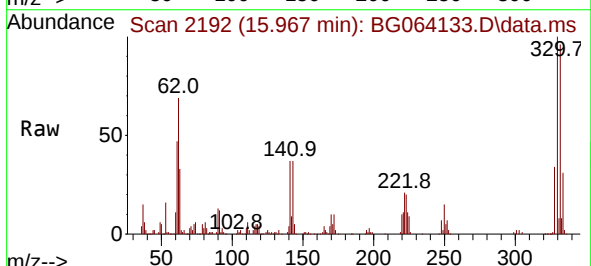
Tgt Ion:330 Resp: 155560

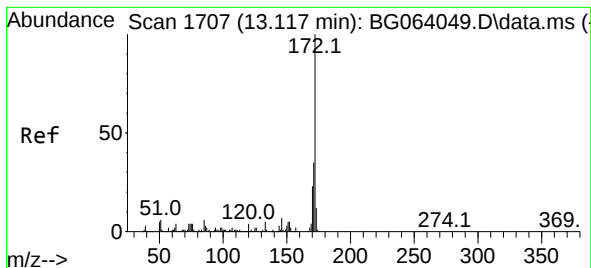
Ion Ratio Lower Upper

330 100

332 95.8 76.7 115.1

141 38.3 29.7 44.5





#45

2-Fluorobiphenyl

Concen: 78.808 ng

RT: 13.106 min Scan# 1

Delta R.T. -0.011 min

Lab File: BG064133.D

Acq: 1 Apr 2025 13:43

Instrument :

BNA\_G

ClientSampleId :

TP-8

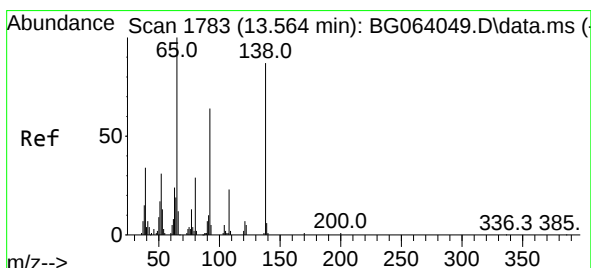
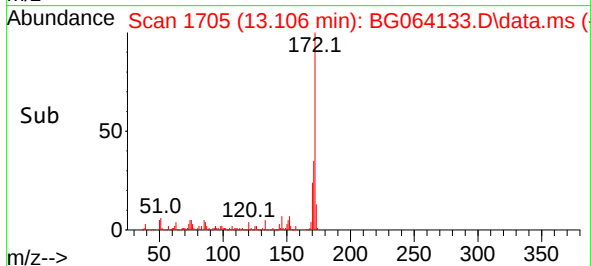
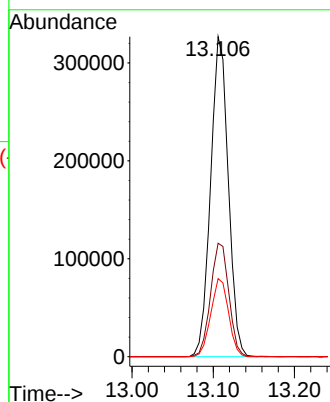
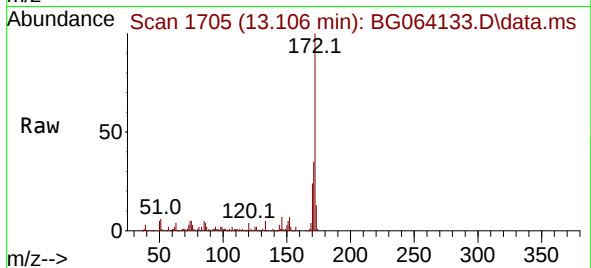
Tgt Ion:172 Resp: 493955

Ion Ratio Lower Upper

172 100

171 35.4 28.0 42.0

170 24.4 18.7 28.1



#48

2-Nitroaniline

Concen: 3.247 ng

RT: 13.417 min Scan# 1758

Delta R.T. -0.147 min

Lab File: BG064133.D

Acq: 1 Apr 2025 13:43

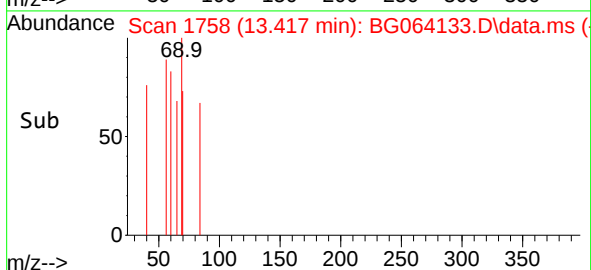
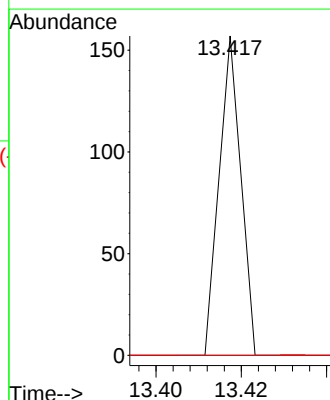
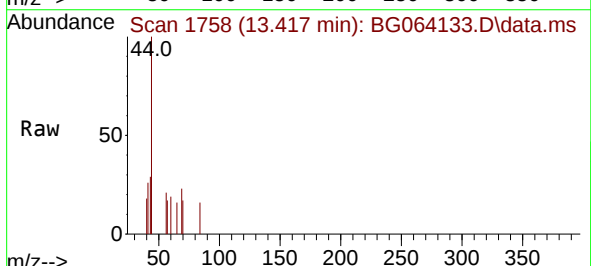
Tgt Ion: 65 Resp: 55

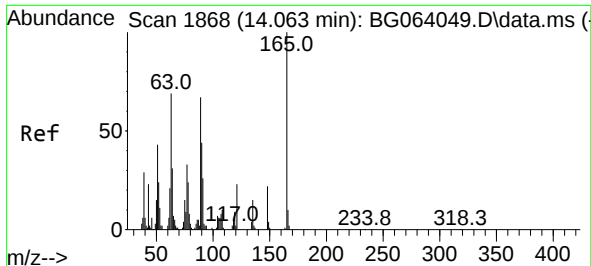
Ion Ratio Lower Upper

65 100

92 0.0 51.2 76.8#

138 0.0 69.4 104.2#

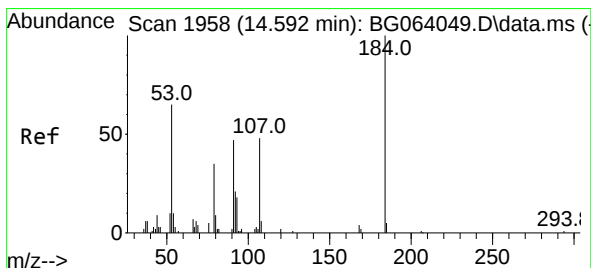
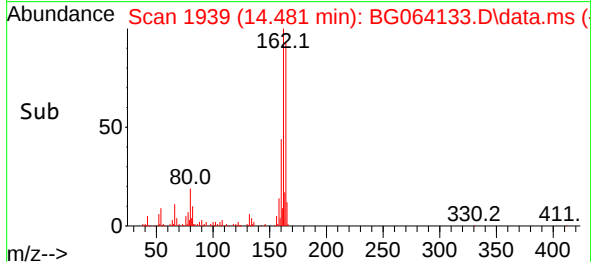
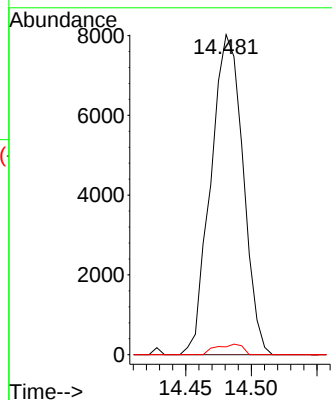
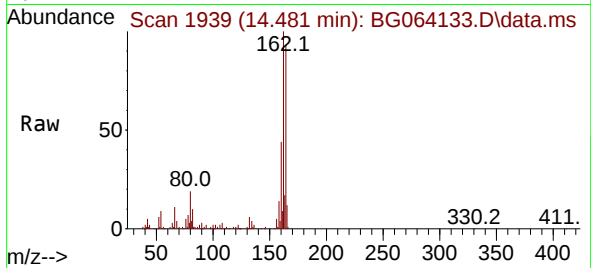




#51  
2,6-Dinitrotoluene  
Concen: 12.312 ng  
RT: 14.481 min Scan# 1918  
Delta R.T. 0.418 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

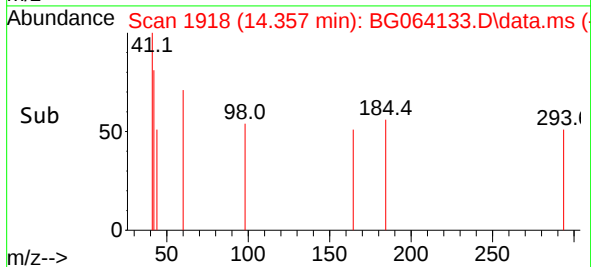
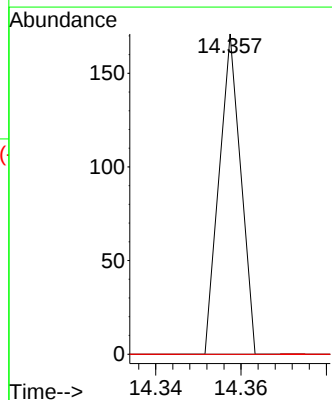
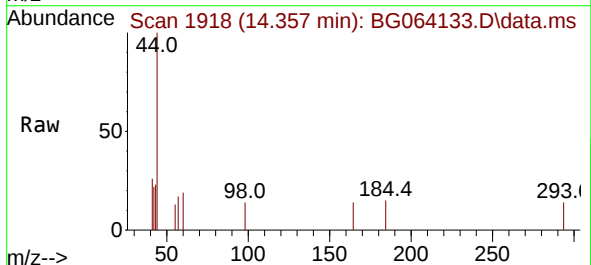
Instrument :  
BNA\_G  
ClientSampleId :  
TP-8

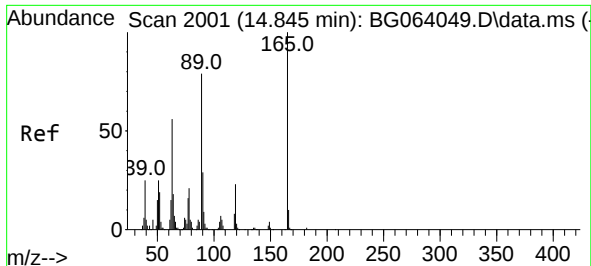
Tgt Ion:165 Resp: 13718  
Ion Ratio Lower Upper  
165 100  
63 0.0 56.7 85.1#  
89 2.5 53.7 80.5#



#54  
2,4-Dinitrophenol  
Concen: 7.973 ng  
RT: 14.357 min Scan# 1918  
Delta R.T. -0.235 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

Tgt Ion:184 Resp: 60  
Ion Ratio Lower Upper  
184 100  
63 0.0 57.5 86.3#  
154 0.0 52.3 78.5#

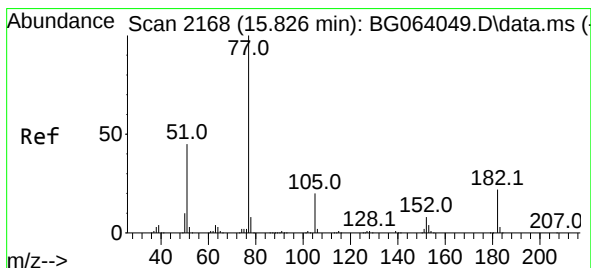
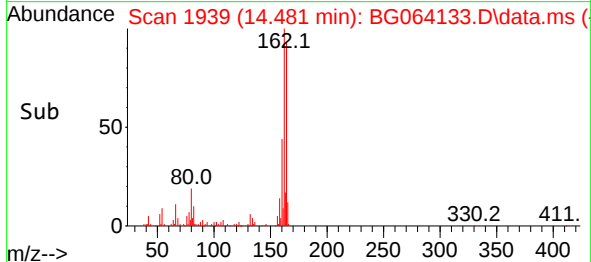
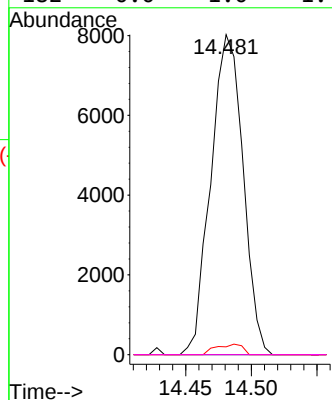
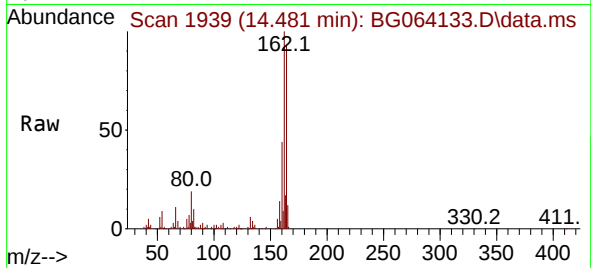




#57  
2,4-Dinitrotoluene  
Concen: 10.094 ng  
RT: 14.481 min Scan# 1939  
Delta R.T. -0.364 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

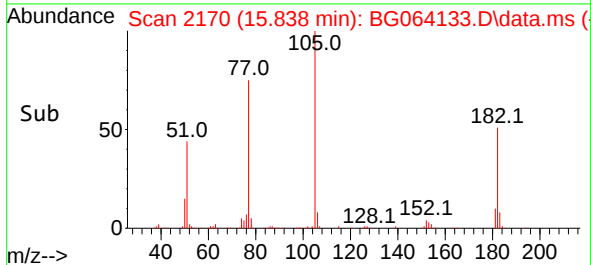
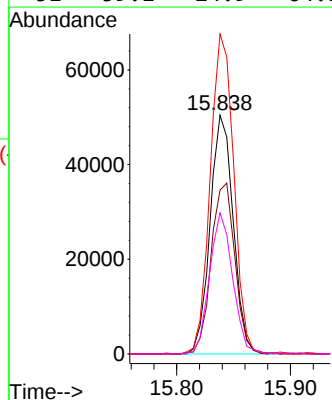
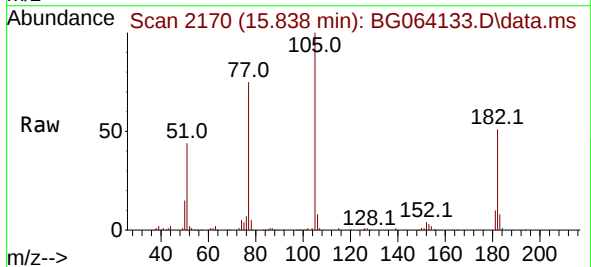
Instrument :  
BNA\_G  
ClientSampleId :  
TP-8

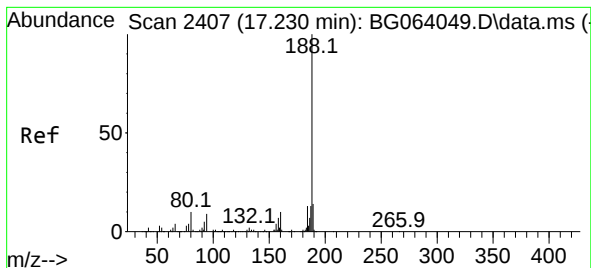
Tgt Ion:165 Resp: 13718  
Ion Ratio Lower Upper  
165 100  
63 0.0 45.0 67.6#  
89 2.5 63.1 94.7#  
182 0.0 1.0 1.4#



#63  
Azobenzene  
Concen: 8.752 ng  
RT: 15.838 min Scan# 2170  
Delta R.T. 0.012 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

Tgt Ion: 77 Resp: 71204  
Ion Ratio Lower Upper  
77 100  
182 68.7 2.4 42.4#  
105 134.1 0.0 40.0#  
51 59.1 24.9 64.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.219 min Scan# 24

Delta R.T. -0.011 min

Lab File: BG064133.D

Acq: 1 Apr 2025 13:43

Instrument :

BNA\_G

ClientSampleId :

TP-8

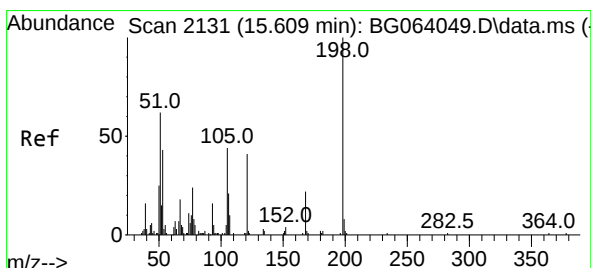
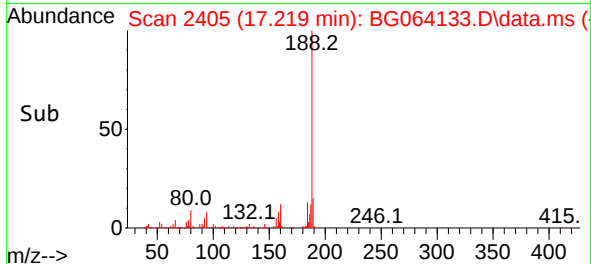
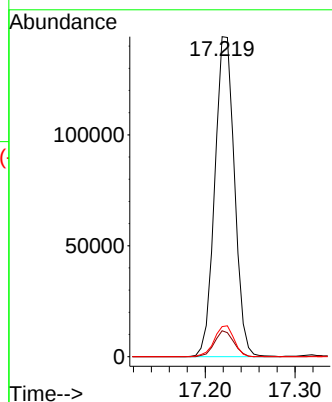
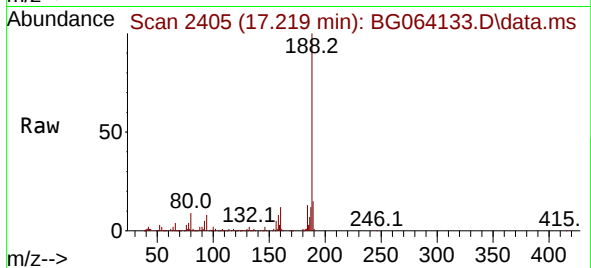
Tgt Ion:188 Resp: 219379

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

80 9.4 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 8.243 ng

RT: 15.345 min Scan# 2086

Delta R.T. -0.264 min

Lab File: BG064133.D

Acq: 1 Apr 2025 13:43

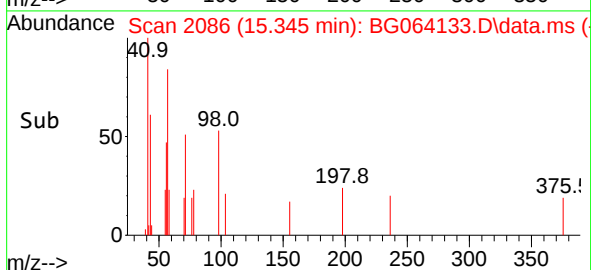
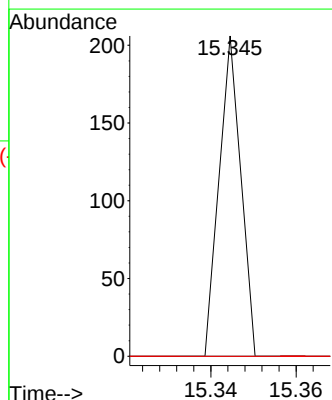
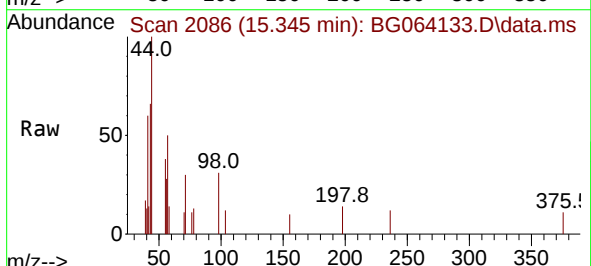
Tgt Ion:198 Resp: 73

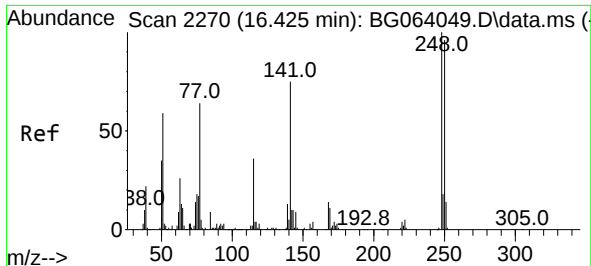
Ion Ratio Lower Upper

198 100

51 0.0 45.6 85.6#

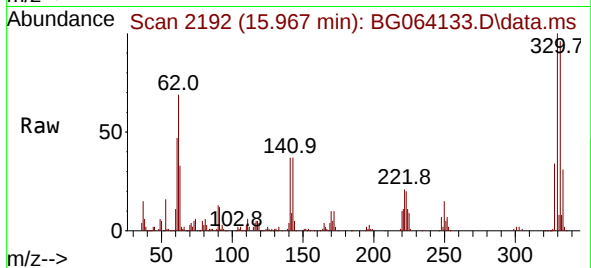
105 0.0 25.3 65.3#



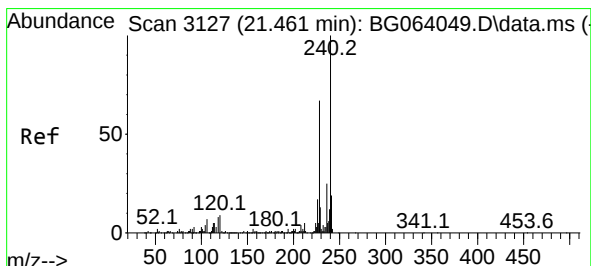
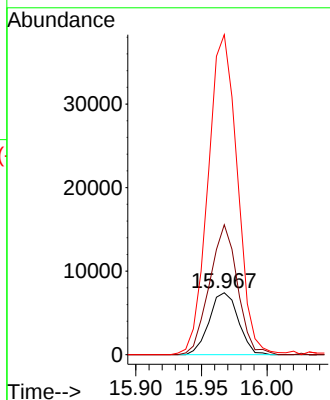
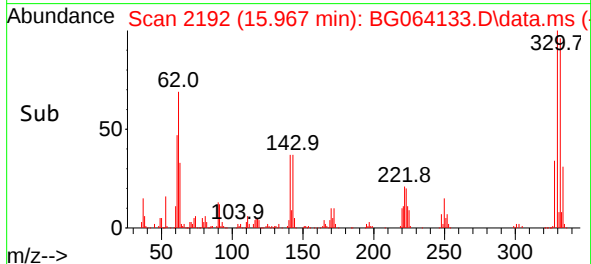


#67  
4-Bromophenyl-phenylether  
Concen: 5.088 ng  
RT: 15.967 min Scan# 21192  
Delta R.T. -0.458 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

Instrument :  
BNA\_G  
ClientSampleId :  
TP-8

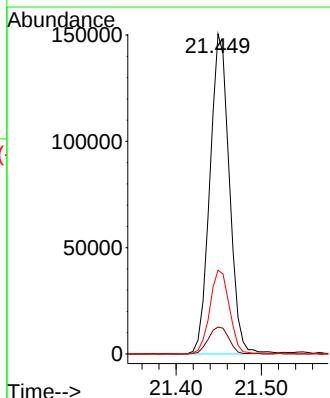
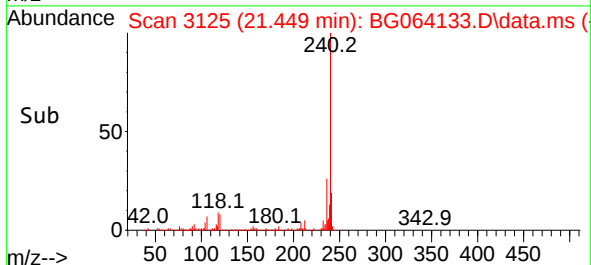
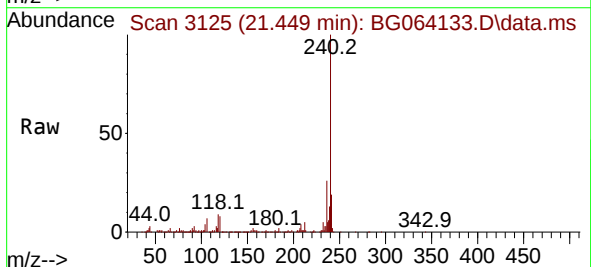


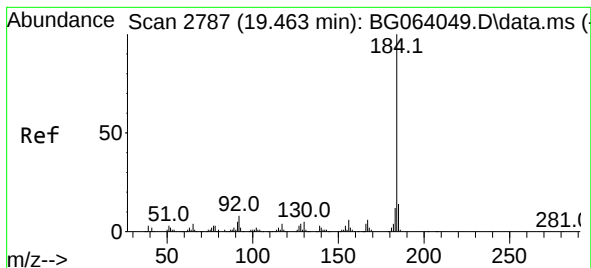
Tgt Ion:248 Resp: 11432  
Ion Ratio Lower Upper  
248 100  
250 209.7 77.1 115.7#  
141 516.2 59.8 89.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.449 min Scan# 3125  
Delta R.T. -0.011 min  
Lab File: BG064133.D  
Acq: 1 Apr 2025 13:43

Tgt Ion:240 Resp: 238092  
Ion Ratio Lower Upper  
240 100  
120 8.4 7.2 10.8  
236 26.2 20.2 30.2





#77

Benzidine

Concen: 5.179 ng

RT: 19.839 min Scan# 2

Delta R.T. 0.376 min

Lab File: BG064133.D

Acq: 1 Apr 2025 13:43

Instrument :

BNA\_G

ClientSampleId :

TP-8

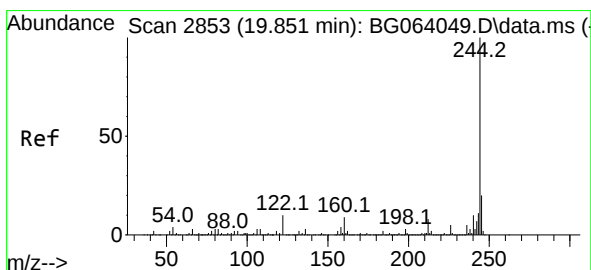
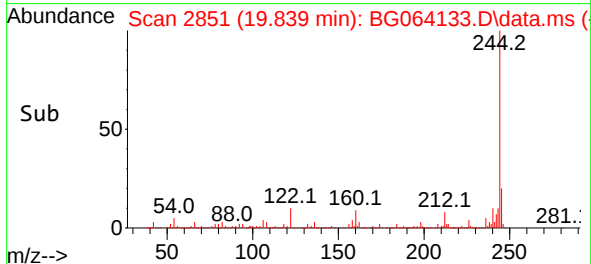
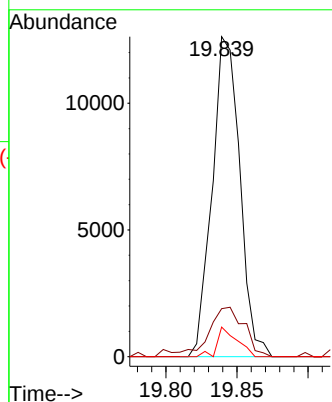
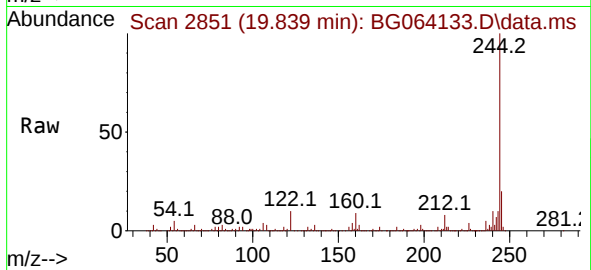
Tgt Ion:184 Resp: 17075

Ion Ratio Lower Upper

184 100

185 15.0 11.3 16.9

183 9.3 9.5 14.3#



#79

Terphenyl-d14

Concen: 75.298 ng

RT: 19.845 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BG064133.D

Acq: 1 Apr 2025 13:43

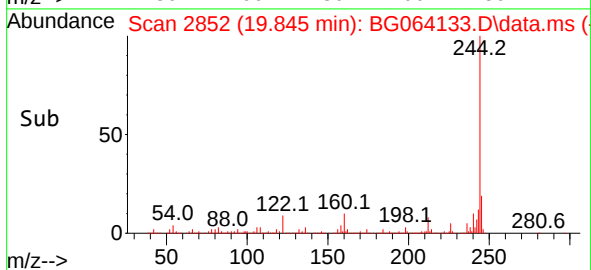
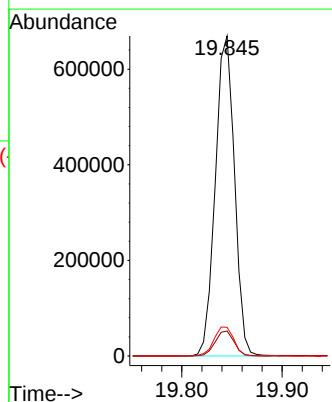
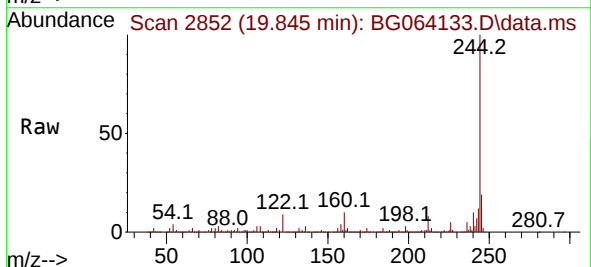
Tgt Ion:244 Resp: 886644

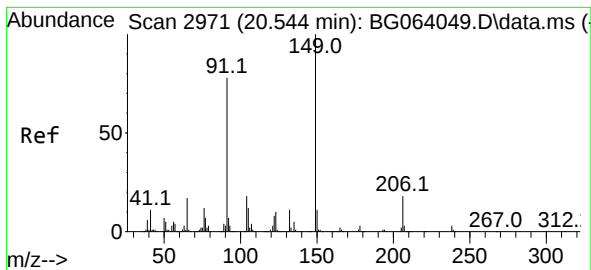
Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.4

122 9.0 8.0 12.0





#80

Butylbenzylphthalate

Concen: 3.864 ng

RT: 20.509 min Scan# 2971

Delta R.T. -0.035 min

Lab File: BG064133.D

Acq: 1 Apr 2025 13:43

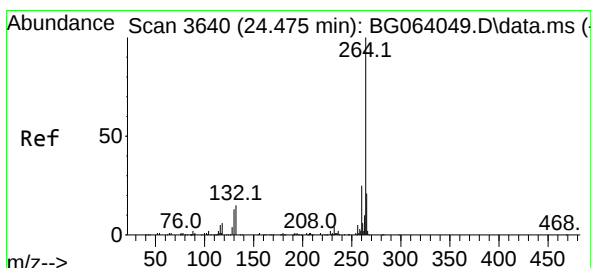
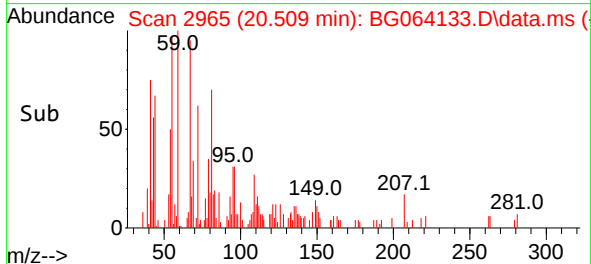
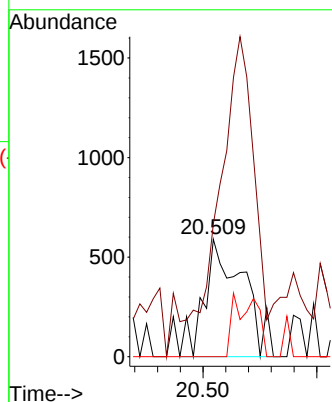
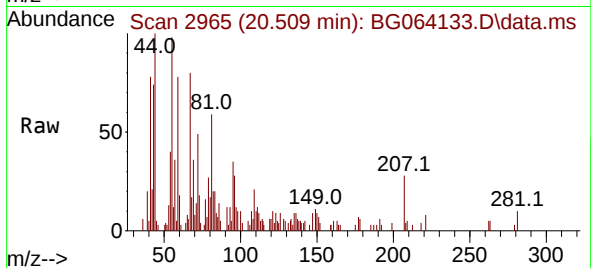
Instrument :

BNA\_G

ClientSampleId :

TP-8

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 1409  |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 91       | 112.9 | 62.0  | 93.0# |
| 206      | 0.0   | 14.6  | 21.8# |



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.463 min Scan# 3638

Delta R.T. -0.011 min

Lab File: BG064133.D

Acq: 1 Apr 2025 13:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 259474 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.5  | 19.6  | 29.4   |
| 265      | 22.0  | 16.6  | 25.0   |

