

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031025\  
 Data File : BG064084.D  
 Acq On : 10 Mar 2025 17:05  
 Operator : RC/JU  
 Sample : Q1514-06  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ENV-103-SB01

Quant Time: Mar 10 18:48:33 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

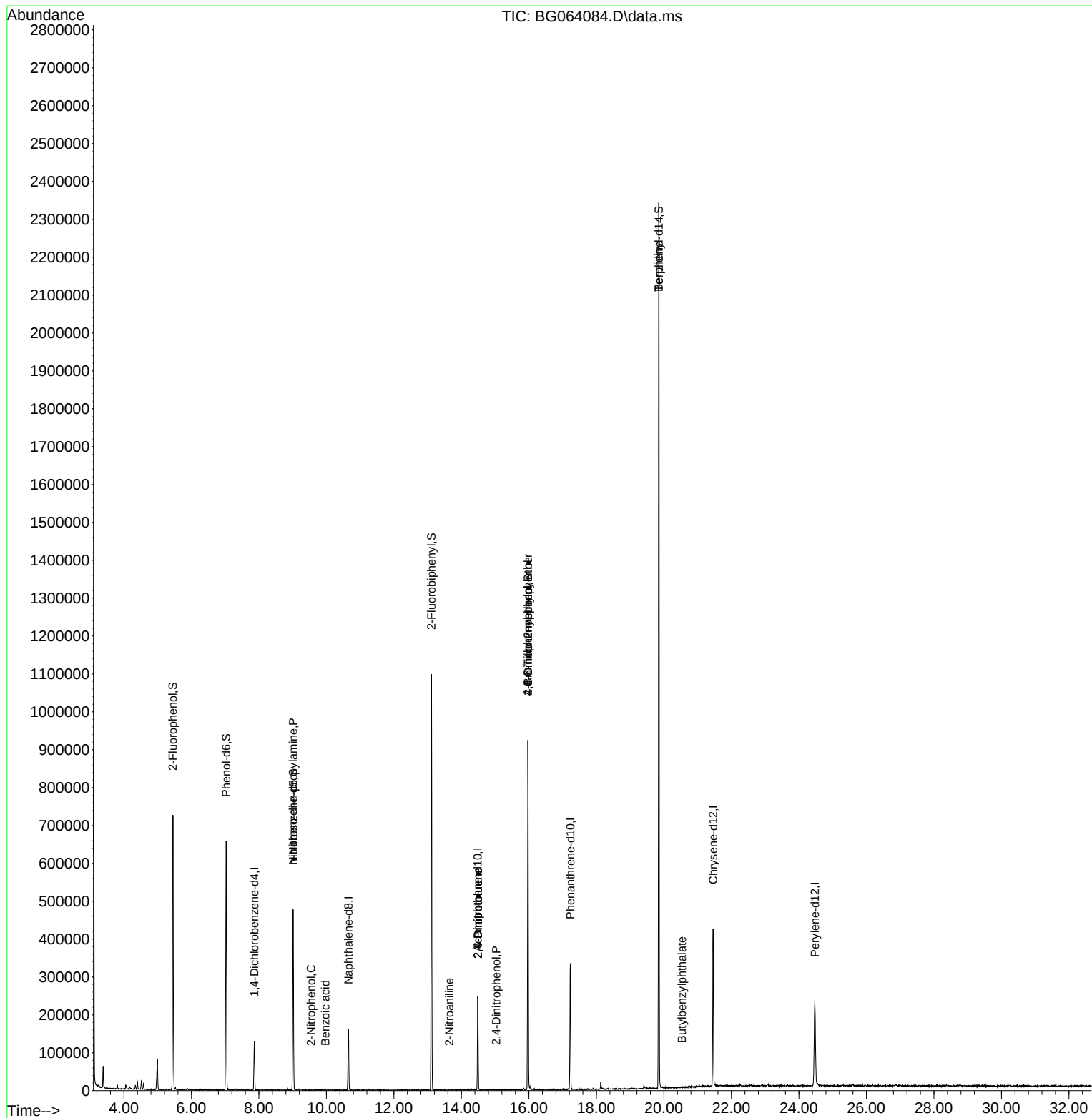
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.861  | 152  | 30932    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.652 | 136  | 125637   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.483 | 164  | 82477    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.226 | 188  | 191417   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.457 | 240  | 227681   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.471 | 264  | 219074   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.452  | 112  | 267735   | 135.152 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.027  | 99   | 315291   | 116.995 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.012  | 82   | 239394   | 105.298 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.969 | 330  | 148397   | 161.866 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.114 | 172  | 517675   | 95.271  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.853 | 244  | 1137545  | 101.023 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.012  | 70   | 34204    | 18.085  | ng    | # 74     |
| 26) 2-Nitrophenol             | 9.541  | 139  | 74       | 3.383   | ng    | # 26     |
| 32) Benzoic acid              | 9.964  | 122  | 55       | 8.725   | ng    | # 1      |
| 48) 2-Nitroaniline            | 13.636 | 65   | 62       | 3.257   | ng    | # 11     |
| 51) 2,6-Dinitrotoluene        | 14.488 | 165  | 11537    | 12.045  | ng    | # 15     |
| 54) 2,4-Dinitrophenol         | 15.035 | 184  | 85       | 8.030   | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 14.488 | 165  | 11537    | 9.901   | ng    | # 16     |
| 65) 4,6-Dinitro-2-methylph... | 15.969 | 198  | 463      | 8.643   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 15.969 | 248  | 10092    | 5.148   | ng    | # 1      |
| 77) Benzidine                 | 19.847 | 184  | 22305    | 7.075   | ng    | # 93     |
| 80) Butylbenzylphthalate      | 20.534 | 149  | 87       | 3.652   | ng    | # 79     |
| -----                         |        |      |          |         |       |          |

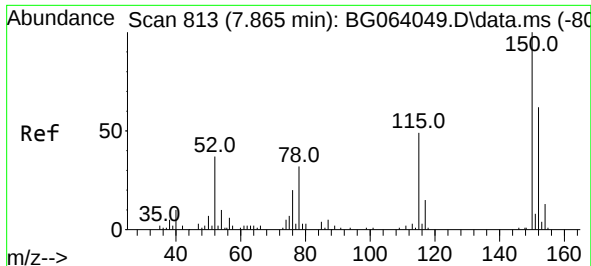
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031025\  
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
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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  
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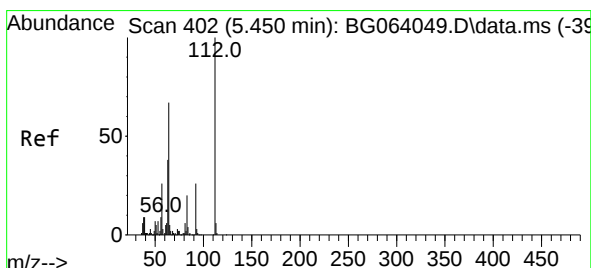
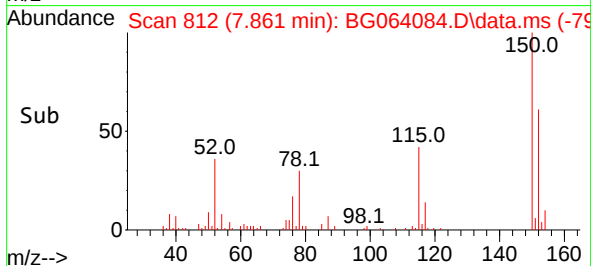
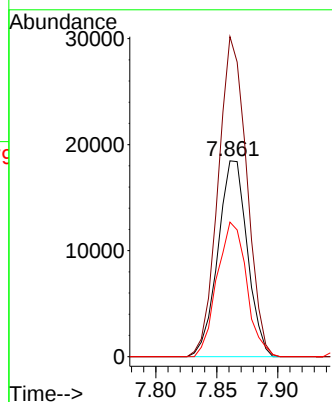
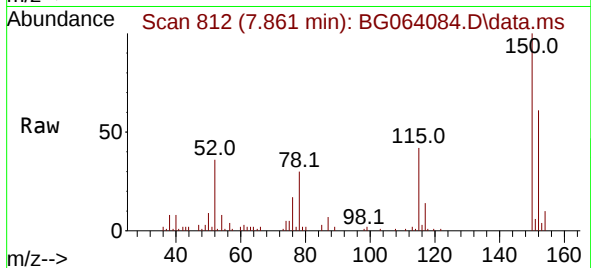




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.861 min Scan# 813  
Delta R.T. -0.004 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05

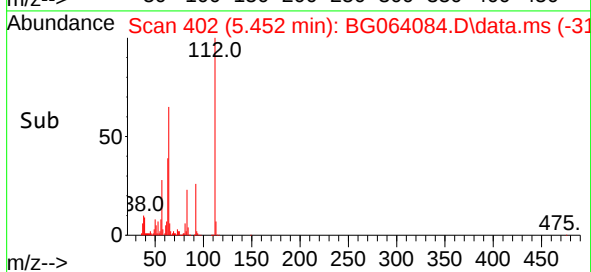
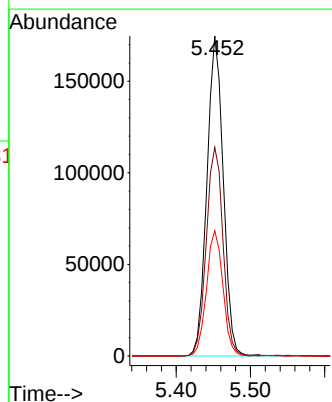
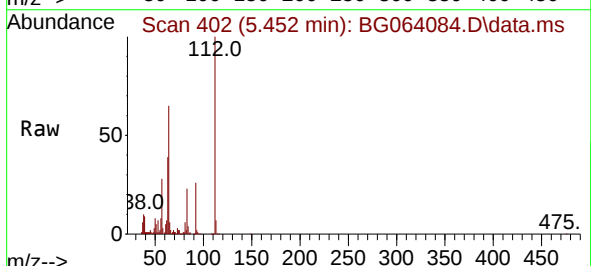
Instrument :  
BNA\_G  
ClientSampleId :  
ENV-103-SB01

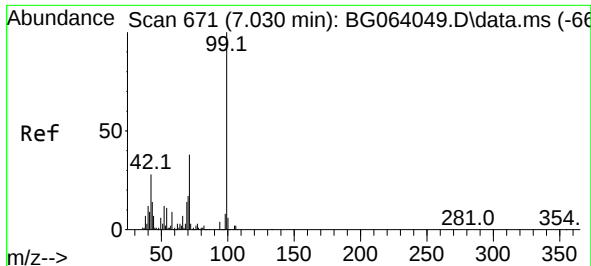
Tgt Ion:152 Resp: 30932  
Ion Ratio Lower Upper  
152 100  
150 163.4 129.2 193.8  
115 68.7 63.0 94.6



#5  
2-Fluorophenol  
Concen: 135.152 ng  
RT: 5.452 min Scan# 402  
Delta R.T. 0.002 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05

Tgt Ion:112 Resp: 267735  
Ion Ratio Lower Upper  
112 100  
64 65.2 53.7 80.5  
63 39.1 30.2 45.4

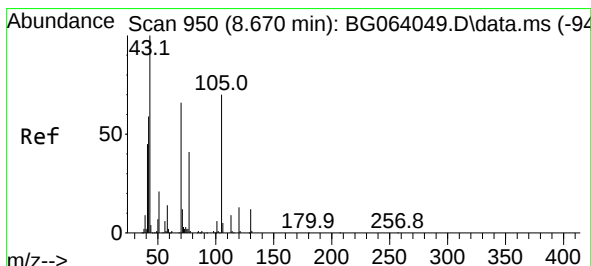
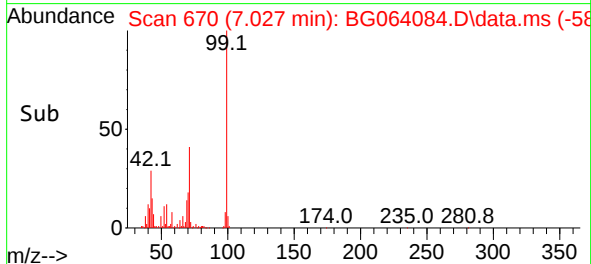
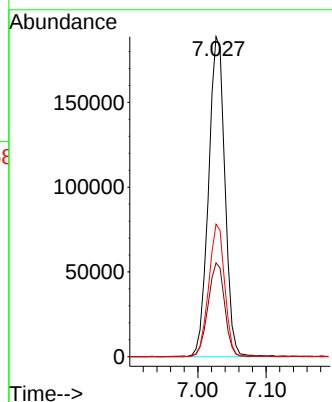
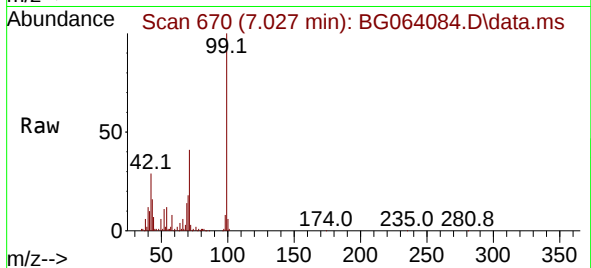




#7  
Phenol-d6  
Concen: 116.995 ng  
RT: 7.027 min Scan# 61  
Delta R.T. -0.004 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05

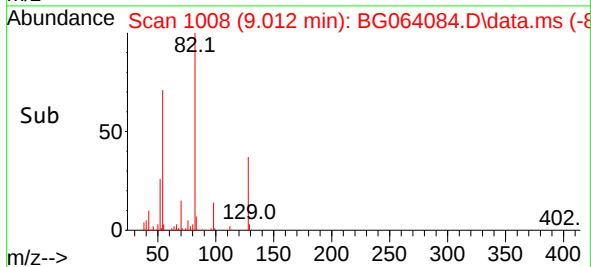
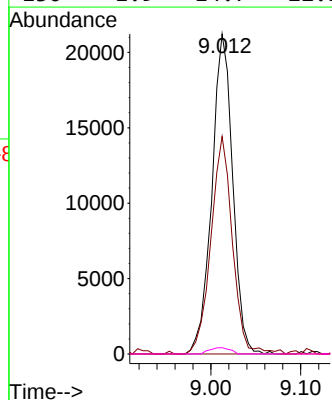
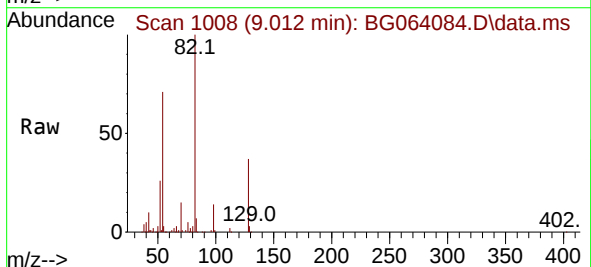
Instrument :  
BNA\_G  
ClientSampleId :  
ENV-103-SB01

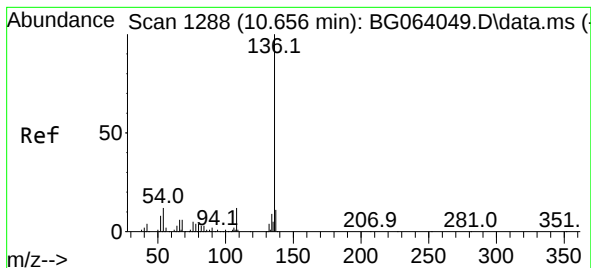
Tgt Ion: 99 Resp: 315291  
Ion Ratio Lower Upper  
99 100  
42 29.3 22.7 34.1  
71 41.4 30.6 46.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.085 ng  
RT: 9.012 min Scan# 1008  
Delta R.T. 0.343 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05

Tgt Ion: 70 Resp: 34204  
Ion Ratio Lower Upper  
70 100  
42 68.0 72.1 108.1#  
101 0.0 7.2 10.8#  
130 1.9 14.7 22.1#

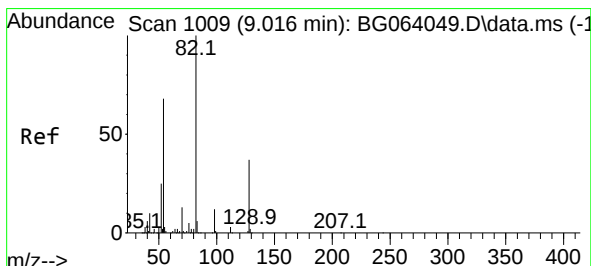
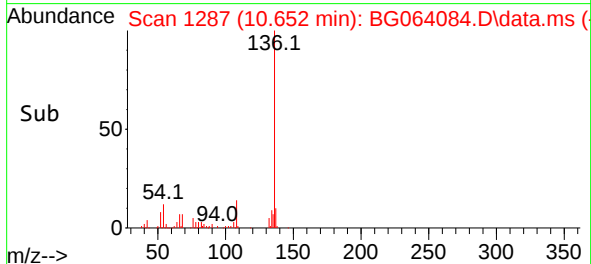
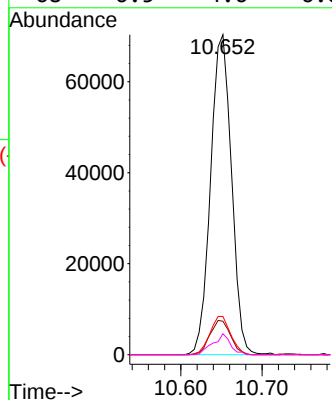
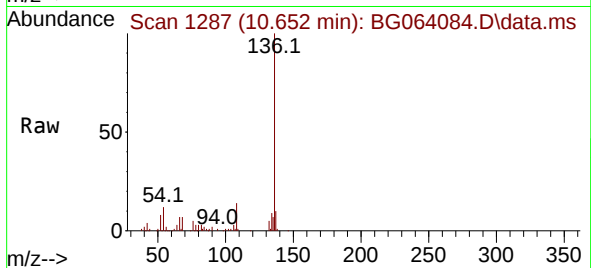




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.652 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05

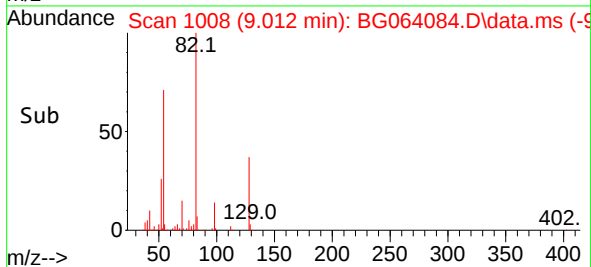
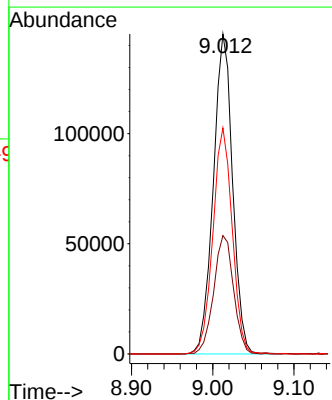
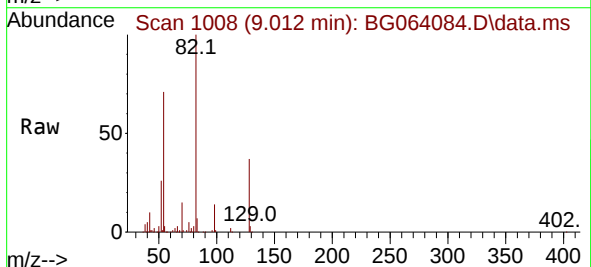
Instrument :  
BNA\_G  
ClientSampleId :  
ENV-103-SB01

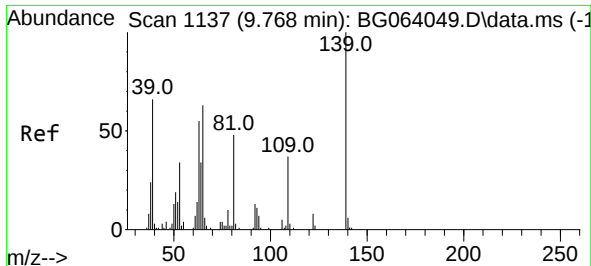
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 125637 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.5  | 8.5   | 12.7   |
| 54        | 12.0  | 9.9   | 14.9   |
| 68        | 6.5   | 4.6   | 6.8    |



#23  
Nitrobenzene-d5  
Concen: 105.298 ng  
RT: 9.012 min Scan# 1008  
Delta R.T. -0.004 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 239394 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.0  | 30.0  | 45.0   |
| 54        | 70.6  | 54.7  | 82.1   |

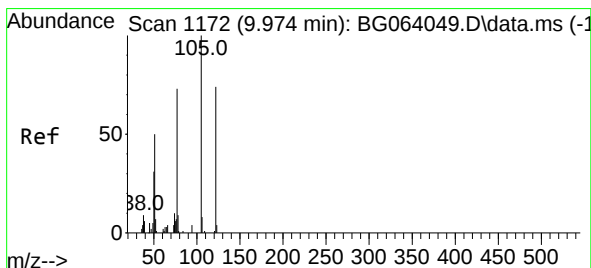
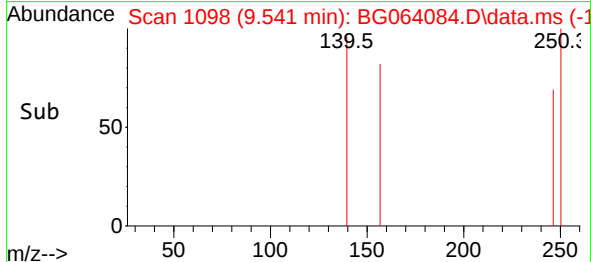
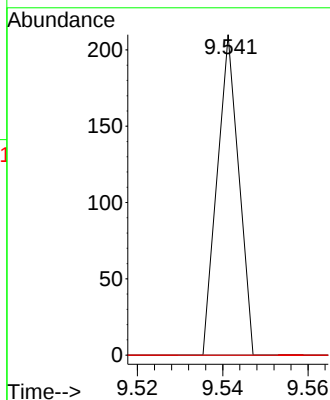
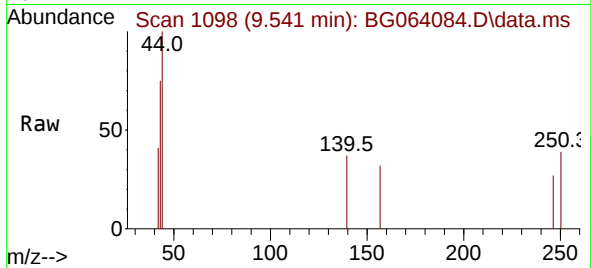




#26  
2-Nitrophenol  
Concen: 3.383 ng  
RT: 9.541 min Scan# 1098  
Delta R.T. -0.227 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05

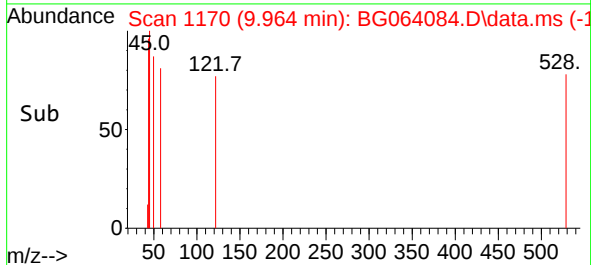
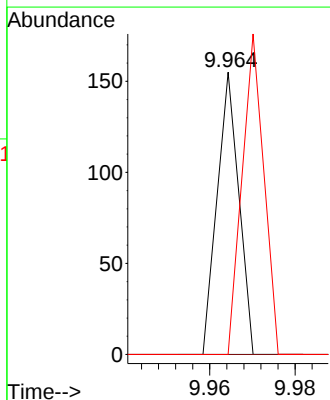
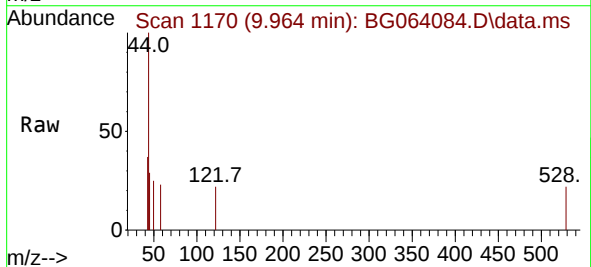
Instrument :  
BNA\_G  
ClientSampleId :  
ENV-103-SB01

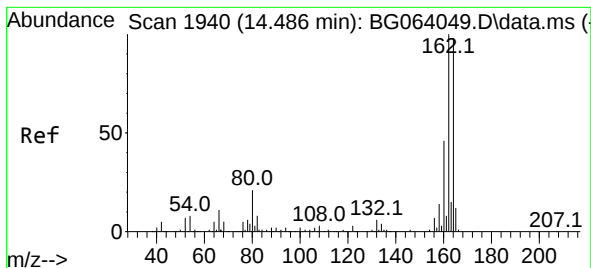
Tgt Ion:139 Resp: 74  
Ion Ratio Lower Upper  
139 100  
109 0.0 29.9 44.9#  
65 0.0 50.6 76.0#



#32  
Benzoic acid  
Concen: 8.725 ng  
RT: 9.964 min Scan# 1170  
Delta R.T. -0.010 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05

Tgt Ion:122 Resp: 55  
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: 14.483 min Scan# 1939

Delta R.T. -0.003 min

Lab File: BG064084.D

Acq: 10 Mar 2025 17:05

Instrument :

BNA\_G

ClientSampleId :

ENV-103-SB01

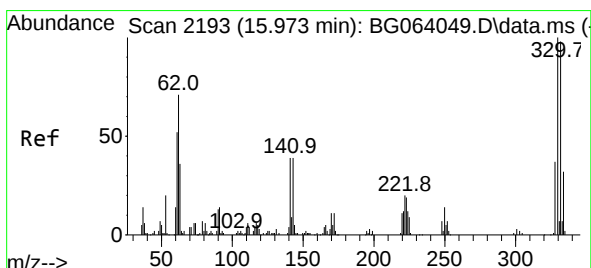
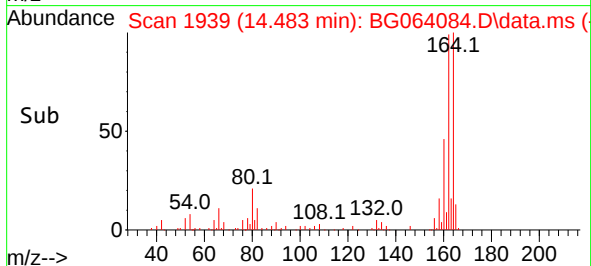
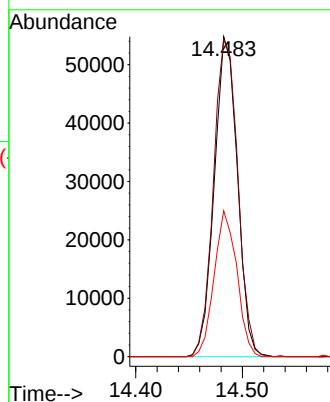
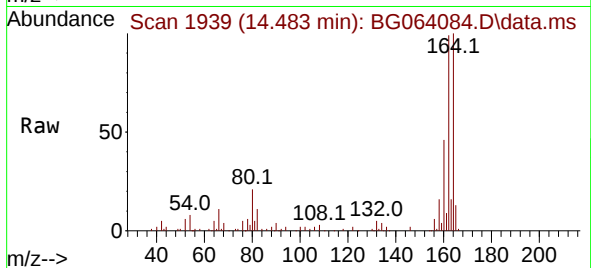
Tgt Ion:164 Resp: 82477

Ion Ratio Lower Upper

164 100

162 99.2 81.4 122.0

160 45.6 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 161.866 ng

RT: 15.969 min Scan# 2192

Delta R.T. -0.004 min

Lab File: BG064084.D

Acq: 10 Mar 2025 17:05

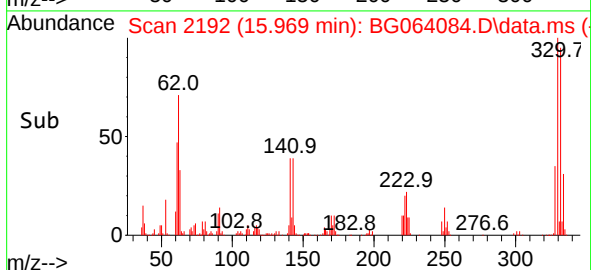
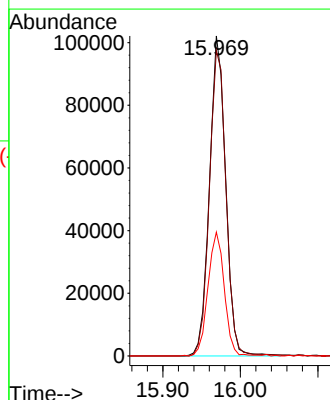
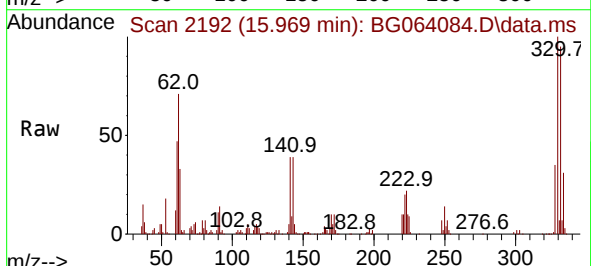
Tgt Ion:330 Resp: 148397

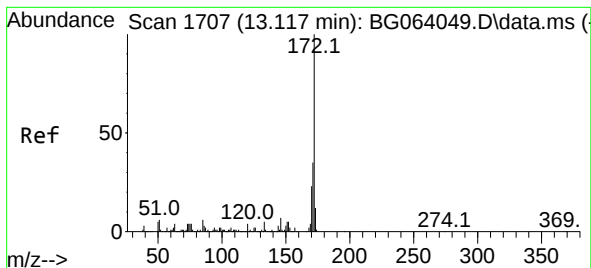
Ion Ratio Lower Upper

330 100

332 98.0 76.7 115.1

141 38.9 29.7 44.5





#45

2-Fluorobiphenyl

Concen: 95.271 ng

RT: 13.114 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG064084.D

Acq: 10 Mar 2025 17:05

Instrument :

BNA\_G

ClientSampleId :

ENV-103-SB01

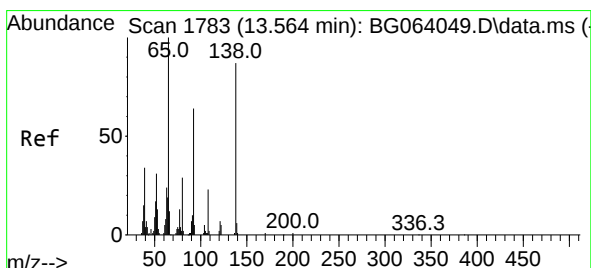
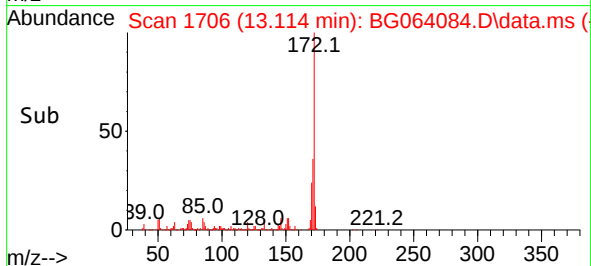
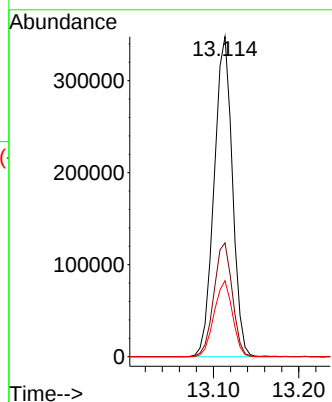
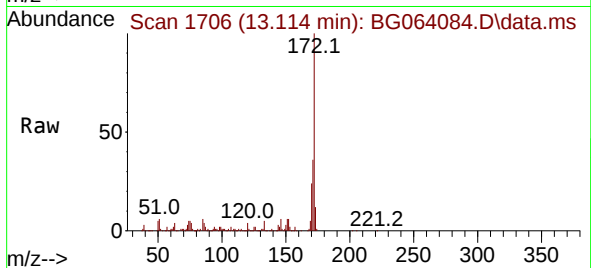
Tgt Ion:172 Resp: 517675

Ion Ratio Lower Upper

172 100

171 35.5 28.0 42.0

170 23.7 18.7 28.1



#48

2-Nitroaniline

Concen: 3.257 ng

RT: 13.636 min Scan# 1795

Delta R.T. 0.072 min

Lab File: BG064084.D

Acq: 10 Mar 2025 17:05

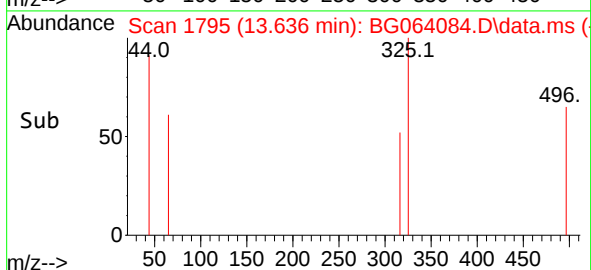
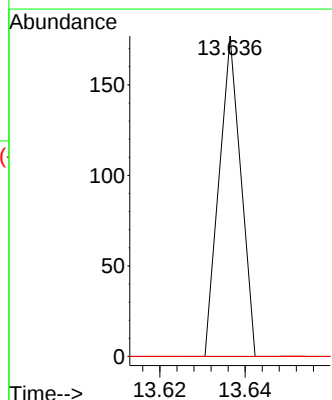
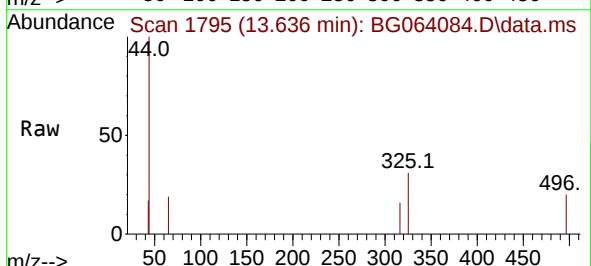
Tgt Ion: 65 Resp: 62

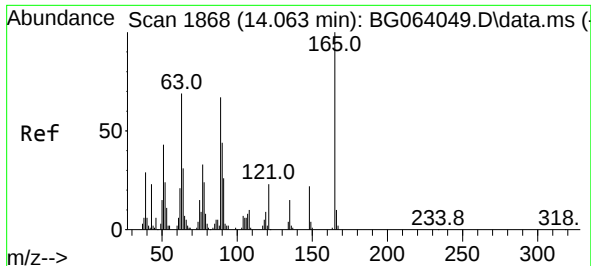
Ion Ratio Lower Upper

65 100

92 0.0 51.2 76.8#

138 0.0 69.4 104.2#

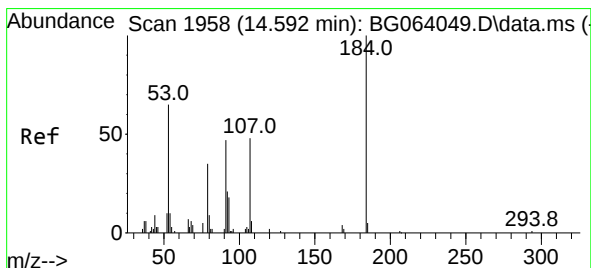
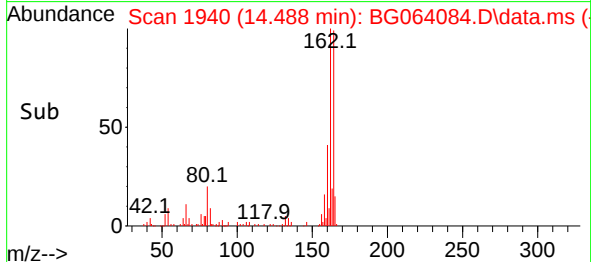
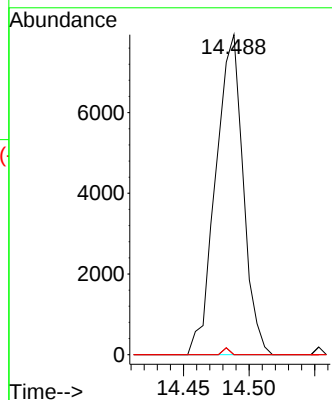
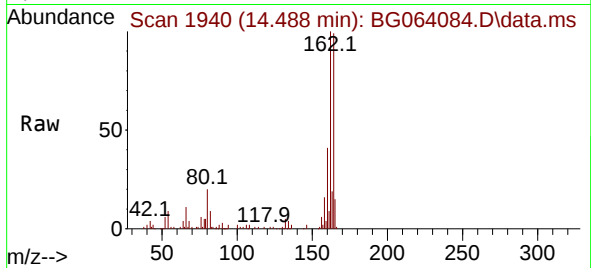




#51  
2,6-Dinitrotoluene  
Concen: 12.045 ng  
RT: 14.488 min Scan# 11  
Delta R.T. 0.425 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05

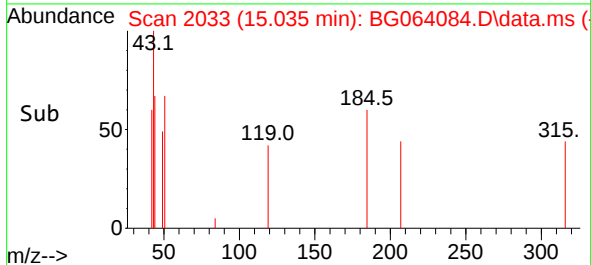
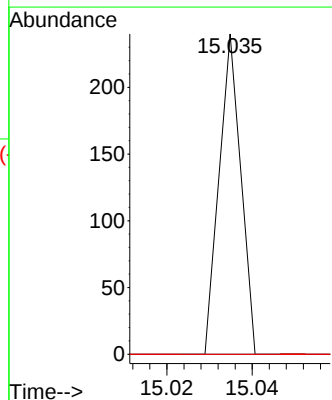
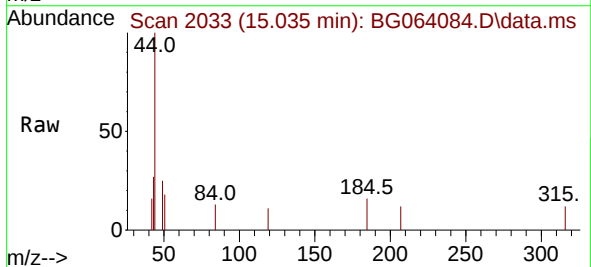
Instrument :  
BNA\_G  
ClientSampleId :  
ENV-103-SB01

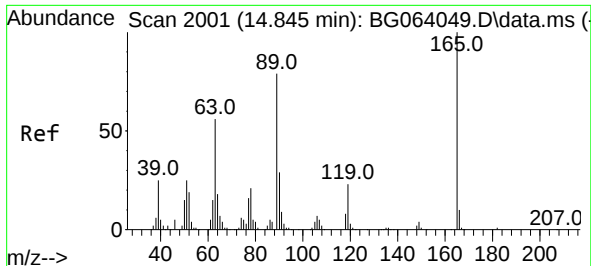
Tgt Ion:165 Resp: 11537  
Ion Ratio Lower Upper  
165 100  
63 0.0 56.7 85.1#  
89 0.0 53.7 80.5#



#54  
2,4-Dinitrophenol  
Concen: 8.030 ng  
RT: 15.035 min Scan# 2033  
Delta R.T. 0.443 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05

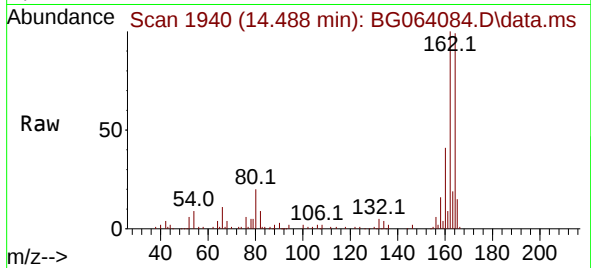
Tgt Ion:184 Resp: 85  
Ion Ratio Lower Upper  
184 100  
63 0.0 57.5 86.3#  
154 0.0 52.3 78.5#



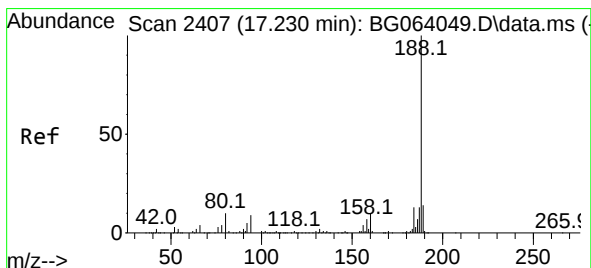
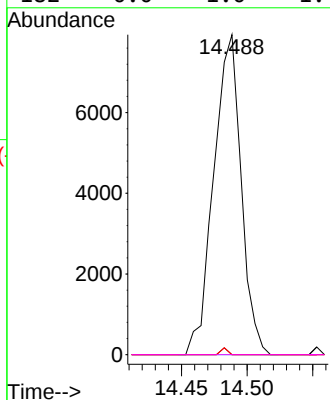
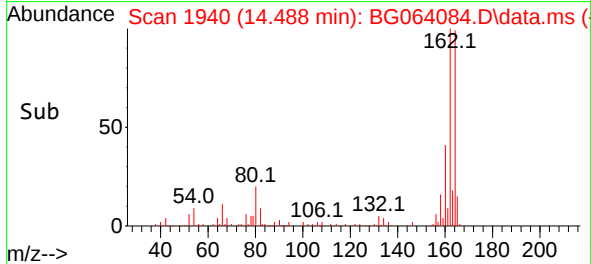


#57  
2,4-Dinitrotoluene  
Concen: 9.901 ng  
RT: 14.488 min Scan# 1940  
Delta R.T. -0.357 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05

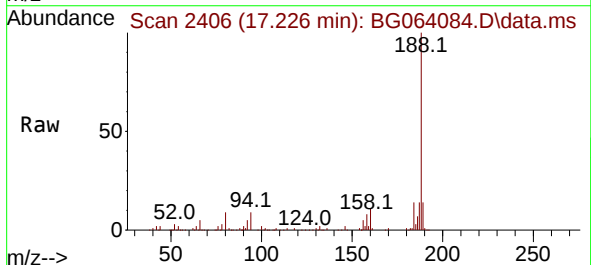
Instrument :  
BNA\_G  
ClientSampleId :  
ENV-103-SB01



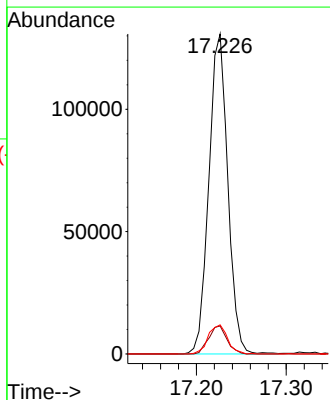
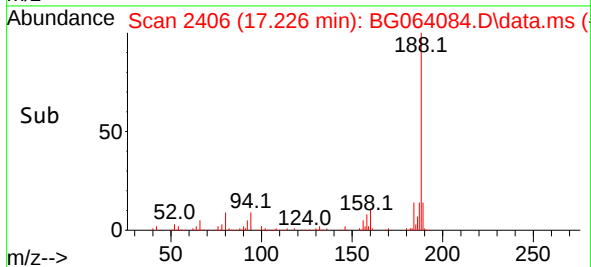
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 11537 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 0.0   | 45.0  | 67.6# |
| 89        | 0.0   | 63.1  | 94.7# |
| 182       | 0.0   | 1.0   | 1.4#  |

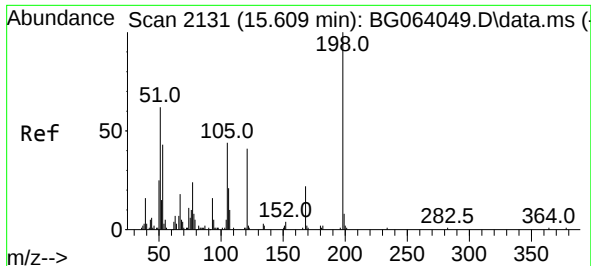


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.226 min Scan# 2406  
Delta R.T. -0.004 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 191417 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 8.8   | 6.9   | 10.3   |
| 80        | 9.1   | 8.1   | 12.1   |

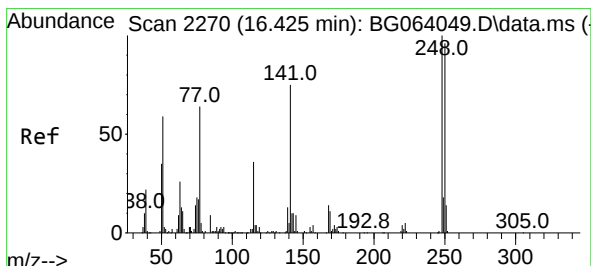
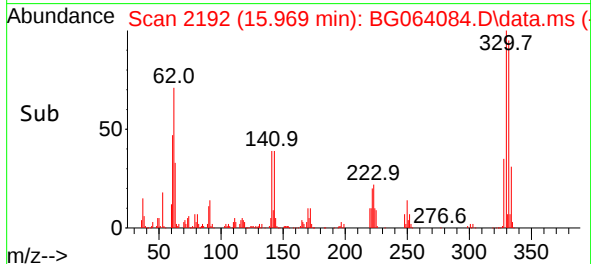
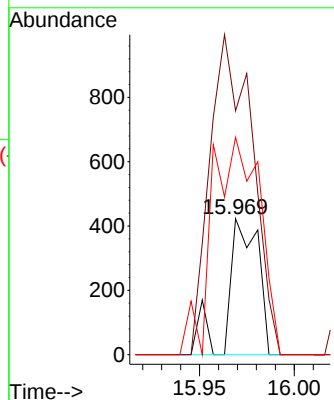
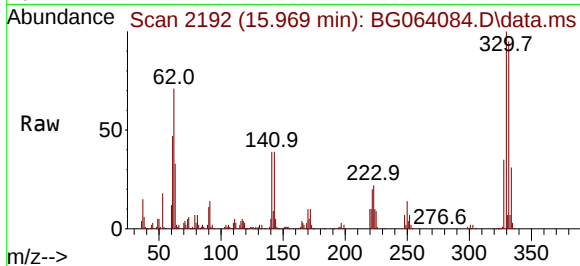




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.643 ng  
RT: 15.969 min Scan# 2131  
Delta R.T. 0.360 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05

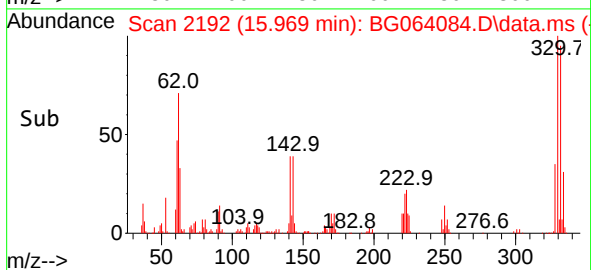
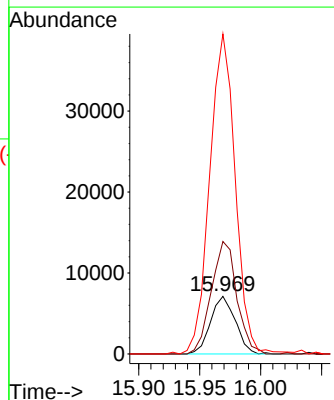
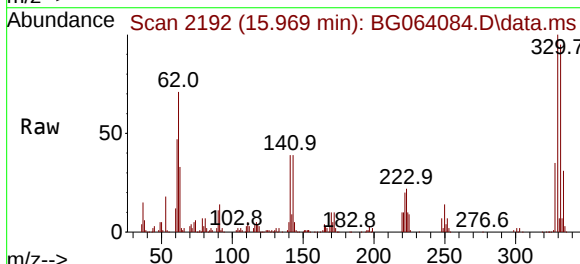
Instrument :  
BNA\_G  
ClientSampleId :  
ENV-103-SB01

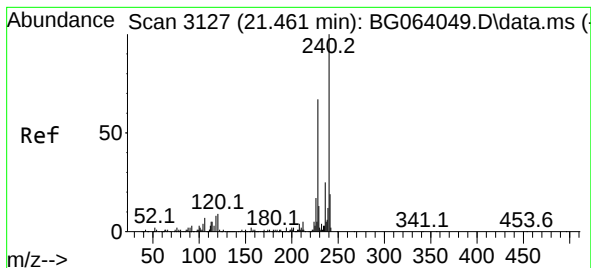
Tgt Ion:198 Resp: 463  
Ion Ratio Lower Upper  
198 100  
51 179.2 45.6 85.6#  
105 159.8 25.3 65.3#



#67  
4-Bromophenyl-phenylether  
Concen: 5.148 ng  
RT: 15.969 min Scan# 2192  
Delta R.T. -0.456 min  
Lab File: BG064084.D  
Acq: 10 Mar 2025 17:05

Tgt Ion:248 Resp: 10092  
Ion Ratio Lower Upper  
248 100  
250 195.3 77.1 115.7#  
141 555.5 59.8 89.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.457 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG064084.D

Acq: 10 Mar 2025 17:05

Instrument :

BNA\_G

ClientSampleId :

ENV-103-SB01

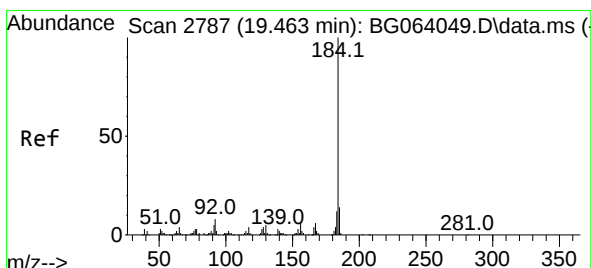
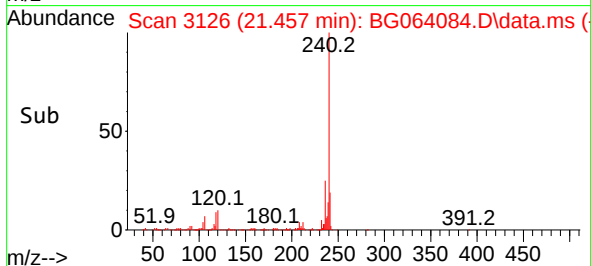
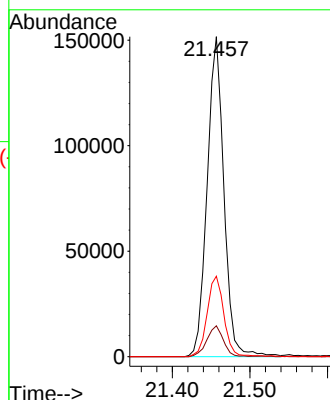
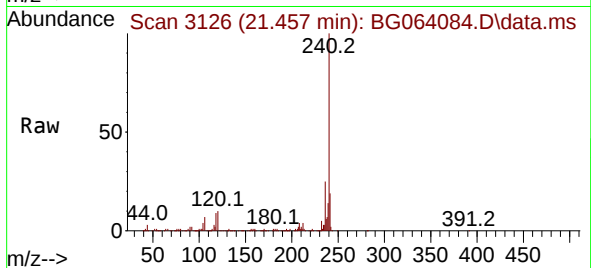
Tgt Ion:240 Resp: 227681

Ion Ratio Lower Upper

240 100

120 9.7 7.2 10.8

236 25.2 20.2 30.2



#77

Benzidine

Concen: 7.075 ng

RT: 19.847 min Scan# 2852

Delta R.T. 0.384 min

Lab File: BG064084.D

Acq: 10 Mar 2025 17:05

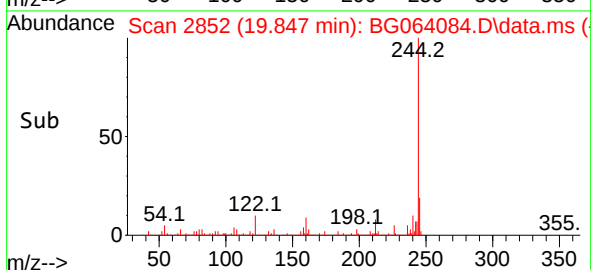
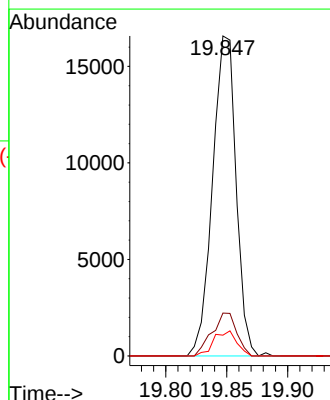
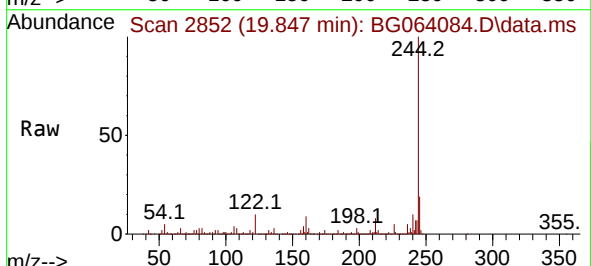
Tgt Ion:184 Resp: 22305

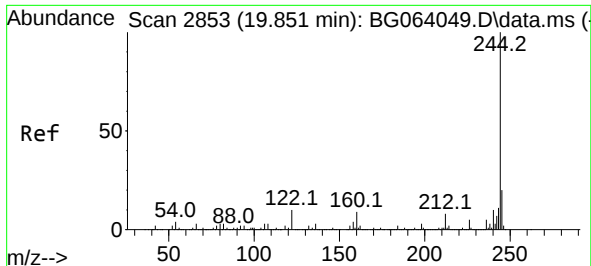
Ion Ratio Lower Upper

184 100

185 13.4 11.3 16.9

183 6.5 9.5 14.3#

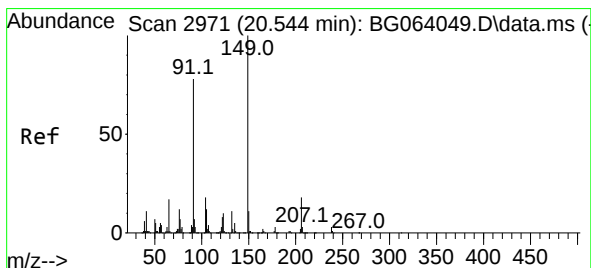
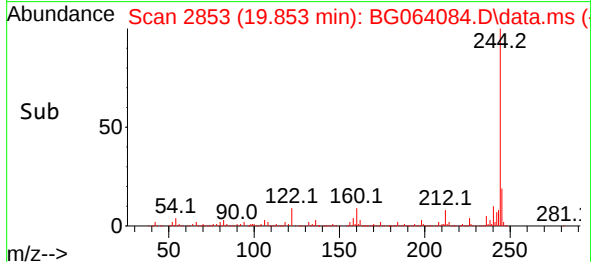
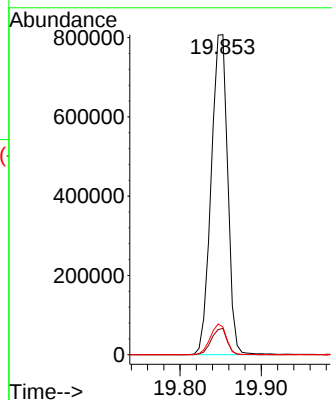
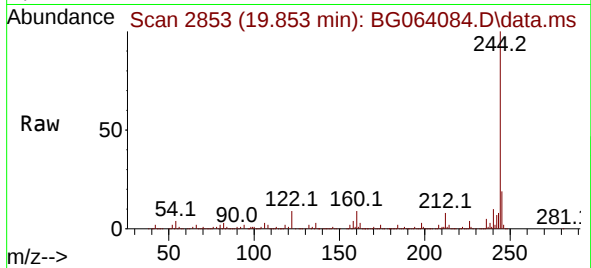




#79  
 Terphenyl-d14  
 Concen: 101.023 ng  
 RT: 19.853 min Scan# 21  
 Delta R.T. 0.002 min  
 Lab File: BG064084.D  
 Acq: 10 Mar 2025 17:05

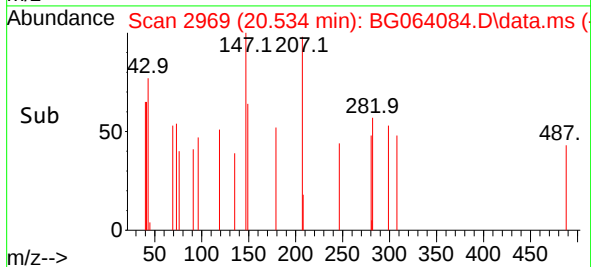
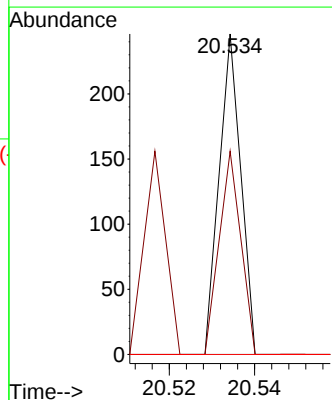
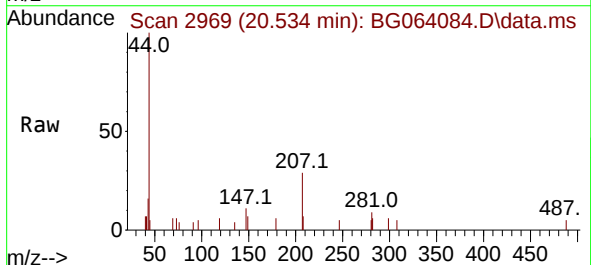
Instrument :  
 BNA\_G  
 ClientSampleId :  
 ENV-103-SB01

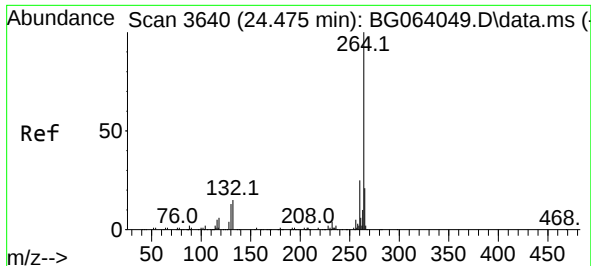
Tgt Ion:244 Resp: 1137545  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.2 9.4  
 122 8.6 8.0 12.0



#80  
 Butylbenzylphthalate  
 Concen: 3.652 ng  
 RT: 20.534 min Scan# 2969  
 Delta R.T. -0.010 min  
 Lab File: BG064084.D  
 Acq: 10 Mar 2025 17:05

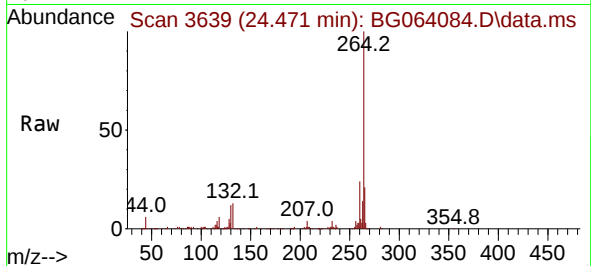
Tgt Ion:149 Resp: 87  
 Ion Ratio Lower Upper  
 149 100  
 91 63.4 62.0 93.0  
 206 0.0 14.6 21.8#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.471 min Scan# 30  
 Delta R.T. -0.004 min  
 Lab File: BG064084.D  
 Acq: 10 Mar 2025 17:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ENV-103-SB01



Tgt Ion:264 Resp: 219074  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 19.6 29.4  
 265 20.6 16.6 25.0

