

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040125\  
 Data File : BG064134.D  
 Acq On : 1 Apr 2025 14:23  
 Operator : RC/JU  
 Sample : Q1664-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P001-BBDGA-001-01

Quant Time: Apr 01 15:14:16 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

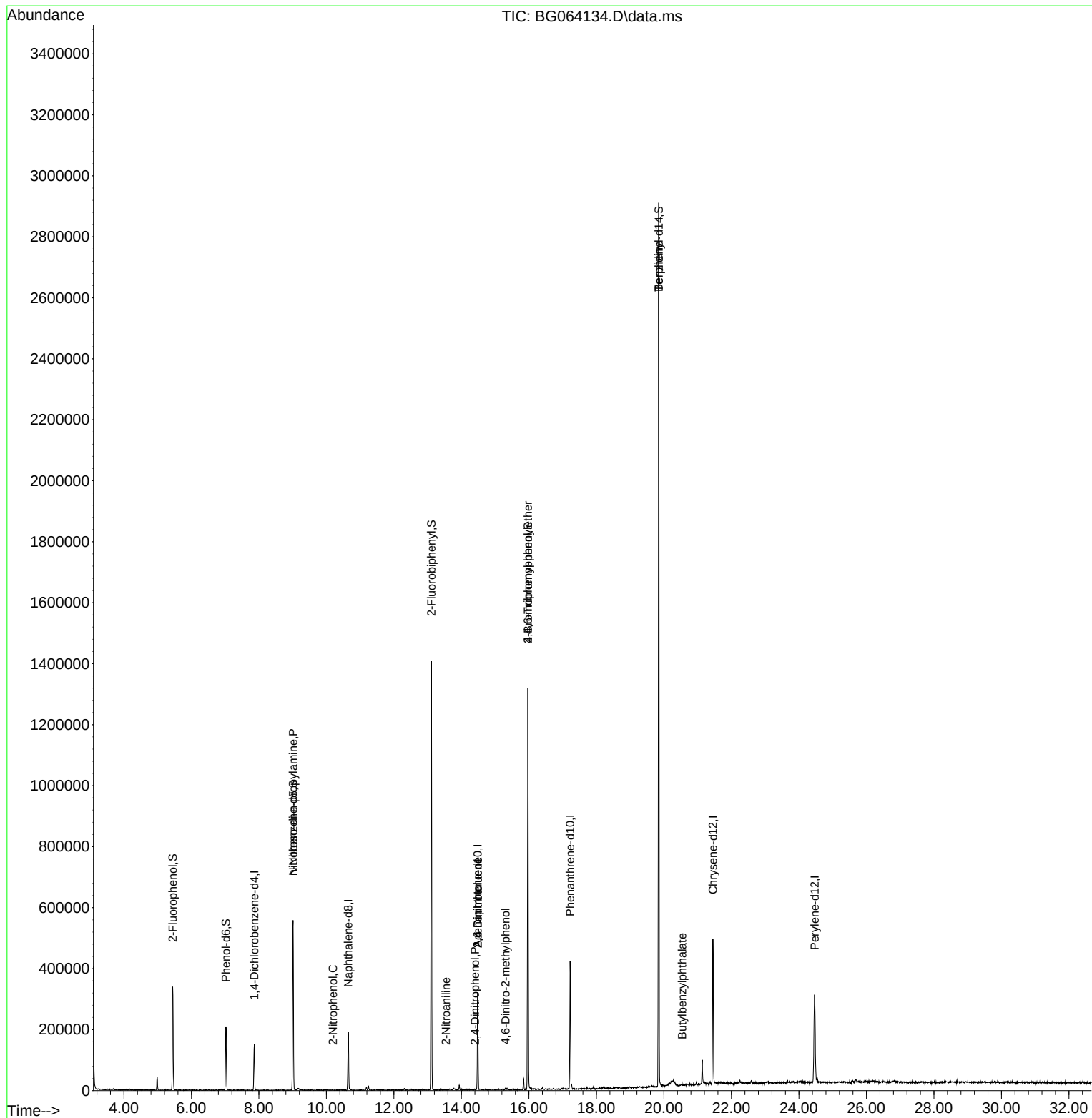
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.861  | 152  | 36149    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.646 | 136  | 145902   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.483 | 164  | 100632   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.221 | 188  | 238066   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.451 | 240  | 264272   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.465 | 264  | 280516   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.446  | 112  | 129141   | 55.782  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.021  | 99   | 99308    | 31.532  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.013  | 82   | 296088   | 112.146 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.969 | 330  | 218053   | 194.935 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.108 | 172  | 664307   | 100.201 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.847 | 244  | 1338604  | 102.419 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.013  | 70   | 41633    | 18.836  | ng    | # 74     |
| 26) 2-Nitrophenol             | 10.194 | 139  | 61       | 3.354   | ng    | # 48     |
| 48) 2-Nitroaniline            | 13.543 | 65   | 59       | 3.248   | ng    | # 29     |
| 51) 2,6-Dinitrotoluene        | 14.483 | 165  | 14640    | 12.392  | ng    | # 18     |
| 54) 2,4-Dinitrophenol         | 14.401 | 184  | 61       | 7.969   | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 14.483 | 165  | 14640    | 10.151  | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylph... | 15.306 | 198  | 67       | 8.233   | ng    | # 22     |
| 67) 4-Bromophenyl-phenylether | 15.969 | 248  | 15634    | 6.412   | ng    | # 1      |
| 77) Benzidine                 | 19.847 | 184  | 26053    | 7.119   | ng    | # 91     |
| 80) Butylbenzylphthalate      | 20.541 | 149  | 168      | 3.662   | ng    | # 42     |
| -----                         |        |      |          |         |       |          |

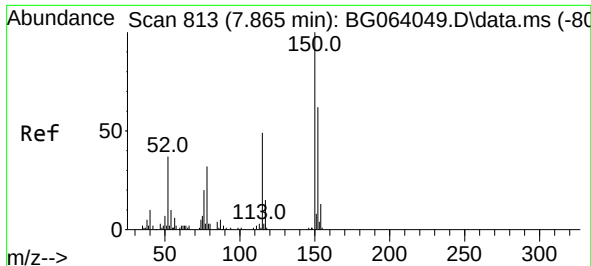
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040125\  
Data File : BG064134.D  
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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
P001-BBDGA-001-01

Quant Time: Apr 01 15:14:16 2025  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 05 15:39:19 2025  
Response via : Initial Calibration

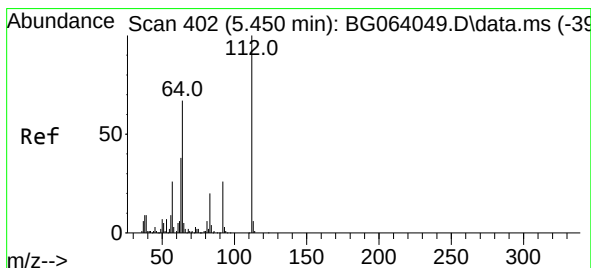
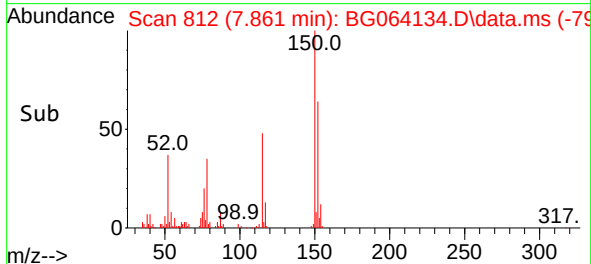
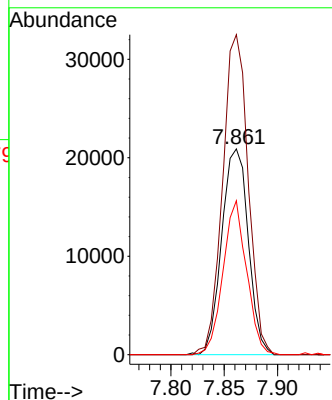
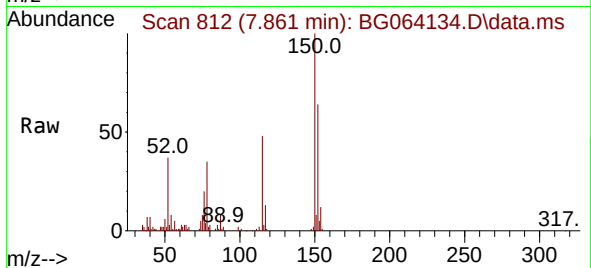




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.861 min Scan# 813  
Delta R.T. -0.004 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

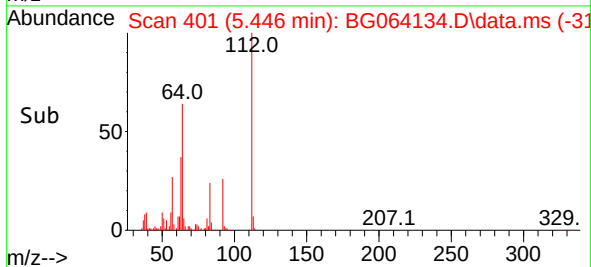
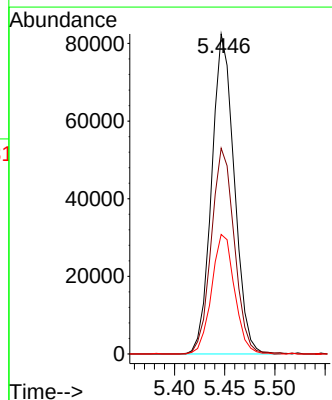
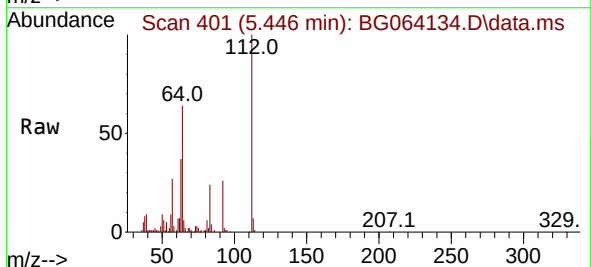
Instrument :  
BNA\_G  
ClientSampleId :  
P001-BBDGA-001-01

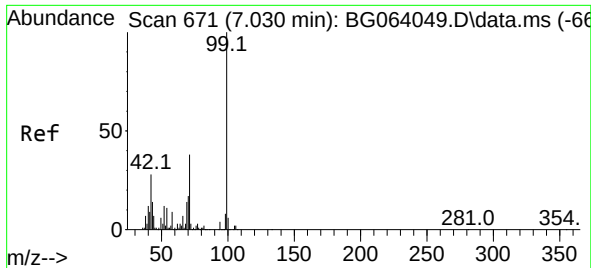
Tgt Ion:152 Resp: 36149  
Ion Ratio Lower Upper  
152 100  
150 155.5 129.2 193.8  
115 74.8 63.0 94.6



#5  
2-Fluorophenol  
Concen: 55.782 ng  
RT: 5.446 min Scan# 401  
Delta R.T. -0.003 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

Tgt Ion:112 Resp: 129141  
Ion Ratio Lower Upper  
112 100  
64 64.3 53.7 80.5  
63 37.4 30.2 45.4

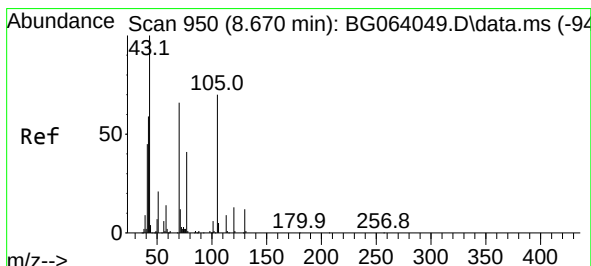
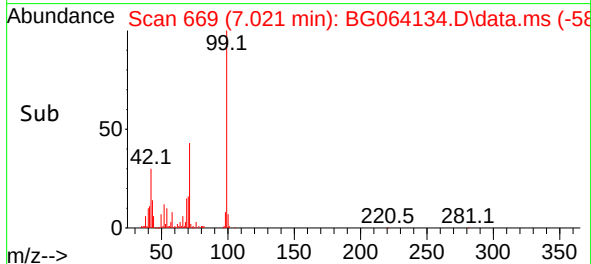
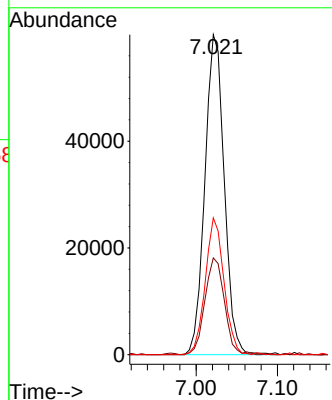
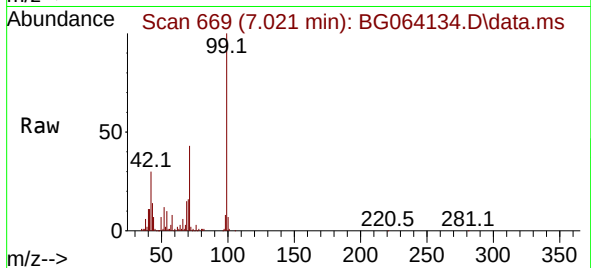




#7  
Phenol-d6  
Concen: 31.532 ng  
RT: 7.021 min Scan# 60  
Delta R.T. -0.009 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

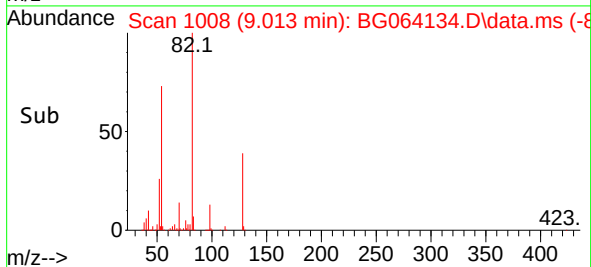
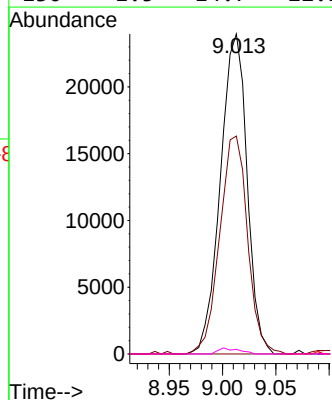
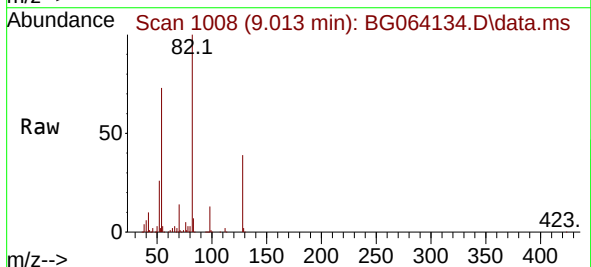
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BNA\_G  
ClientSampleId :  
P001-BBDGA-001-01

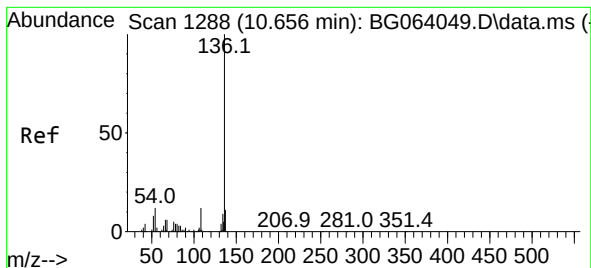
Tgt Ion: 99 Resp: 99308  
Ion Ratio Lower Upper  
99 100  
42 30.3 22.7 34.1  
71 42.7 30.6 46.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.836 ng  
RT: 9.013 min Scan# 1008  
Delta R.T. 0.343 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

Tgt Ion: 70 Resp: 41633  
Ion Ratio Lower Upper  
70 100  
42 68.1 72.1 108.1#  
101 0.0 7.2 10.8#  
130 1.5 14.7 22.1#

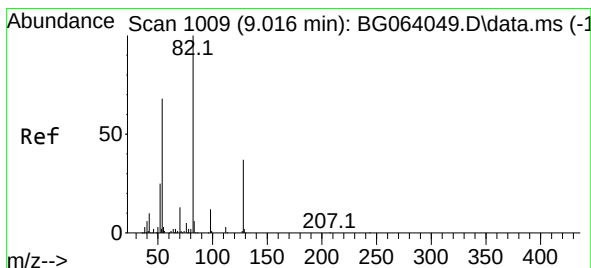
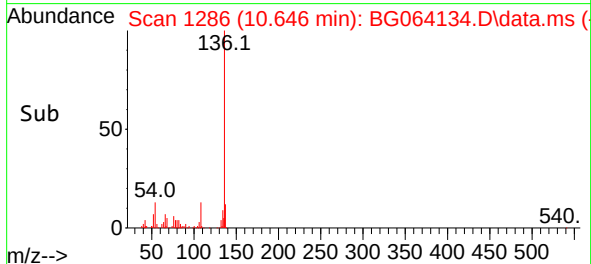
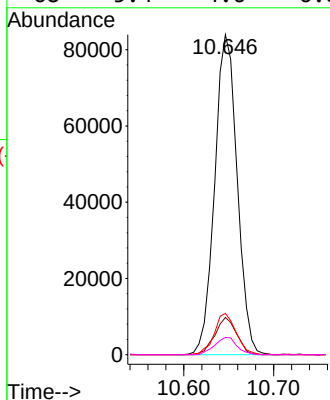
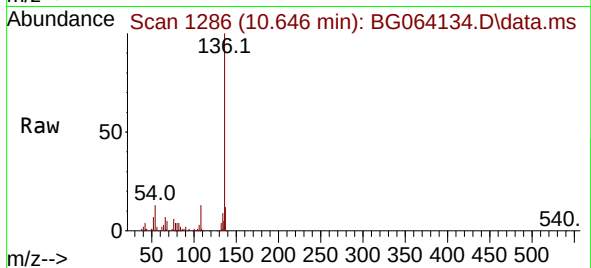




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.646 min Scan# 1008  
Delta R.T. -0.010 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

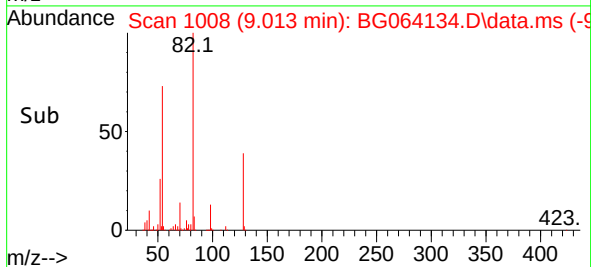
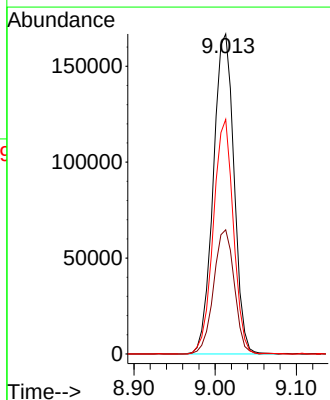
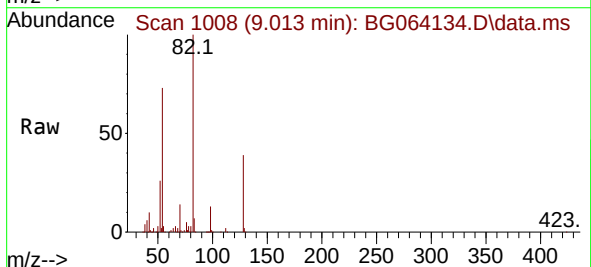
Instrument :  
BNA\_G  
ClientSampleId :  
P001-BBDGA-001-01

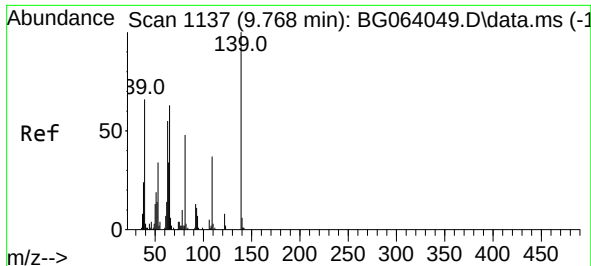
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 145902 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.7  | 8.5   | 12.7   |
| 54        | 12.9  | 9.9   | 14.9   |
| 68        | 5.4   | 4.6   | 6.8    |



#23  
Nitrobenzene-d5  
Concen: 112.146 ng  
RT: 9.013 min Scan# 1008  
Delta R.T. -0.003 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 296088 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 38.8  | 30.0  | 45.0   |
| 54        | 73.3  | 54.7  | 82.1   |

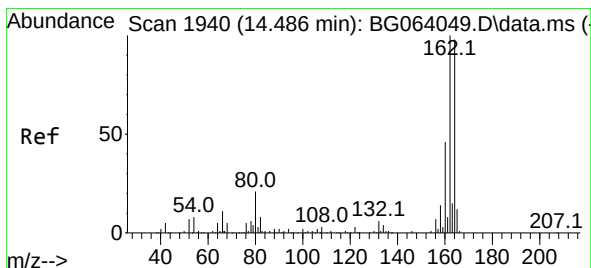
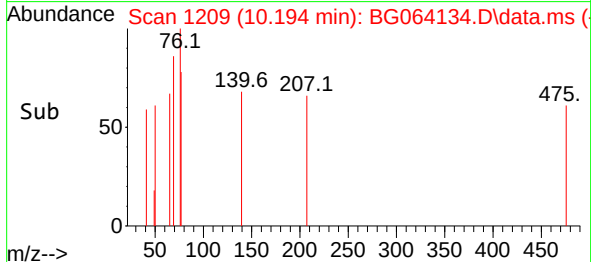
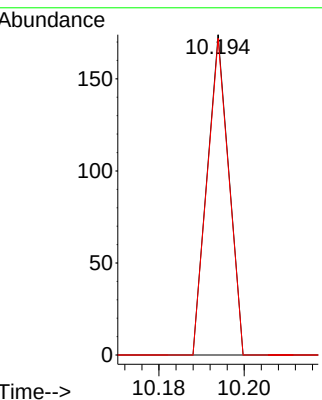
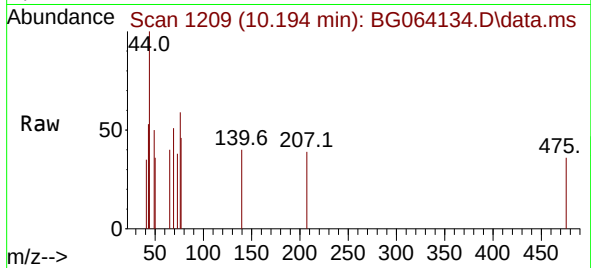




#26  
2-Nitrophenol  
Concen: 3.354 ng  
RT: 10.194 min Scan# 1137  
Delta R.T. 0.426 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

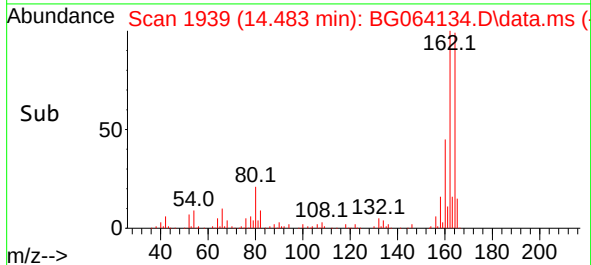
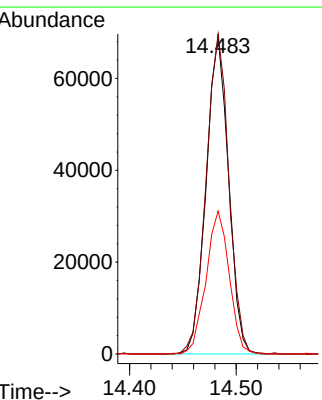
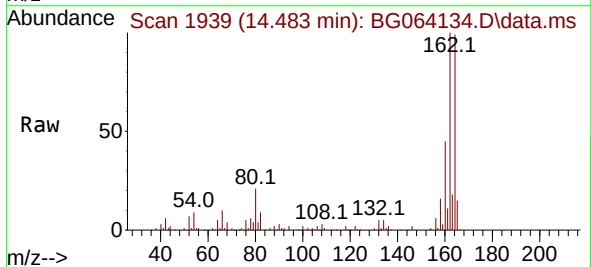
Instrument :  
BNA\_G  
ClientSampleId :  
P001-BBDGA-001-01

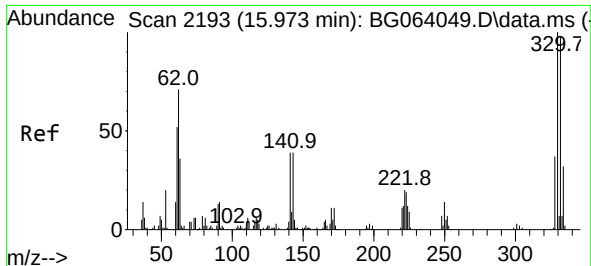
Tgt Ion:139 Resp: 61  
Ion Ratio Lower Upper  
139 100  
109 0.0 29.9 44.9#  
65 98.9 50.6 76.0#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.483 min Scan# 1939  
Delta R.T. -0.003 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

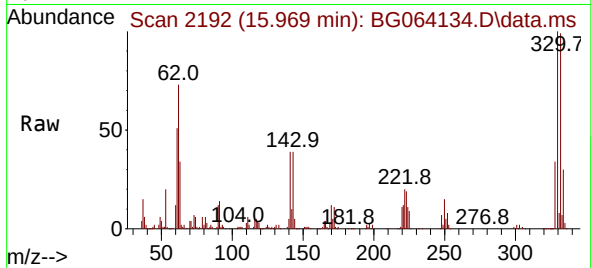
Tgt Ion:164 Resp: 100632  
Ion Ratio Lower Upper  
164 100  
162 100.9 81.4 122.0  
160 45.1 37.0 55.6



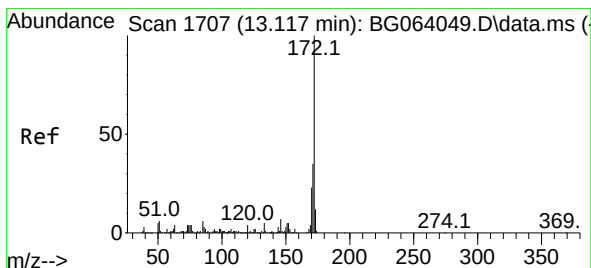
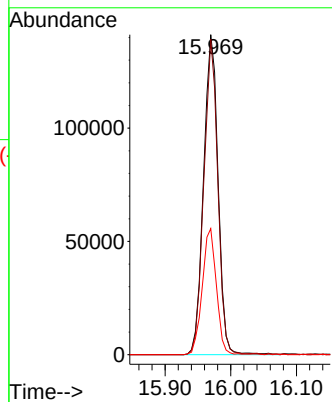
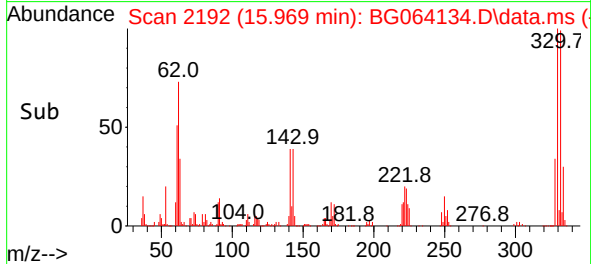


#42  
2,4,6-Tribromophenol  
Concen: 194.935 ng  
RT: 15.969 min Scan# 2193  
Delta R.T. -0.003 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

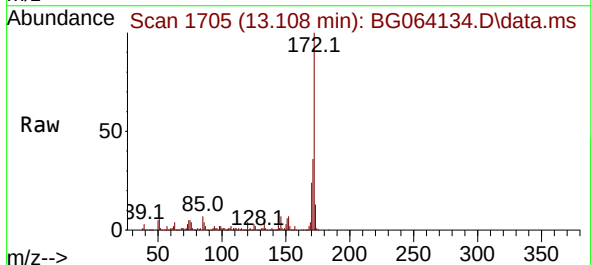
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BNA\_G  
ClientSampleId :  
P001-BBDGA-001-01



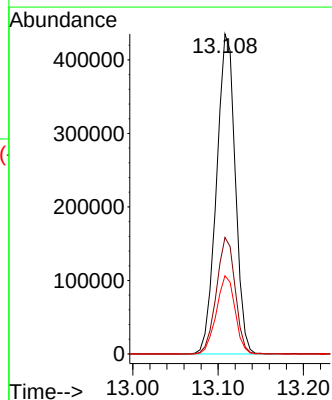
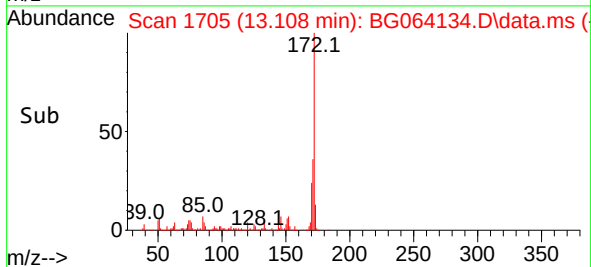
Tgt Ion:330 Resp: 218053  
Ion Ratio Lower Upper  
330 100  
332 94.4 76.7 115.1  
141 38.4 29.7 44.5

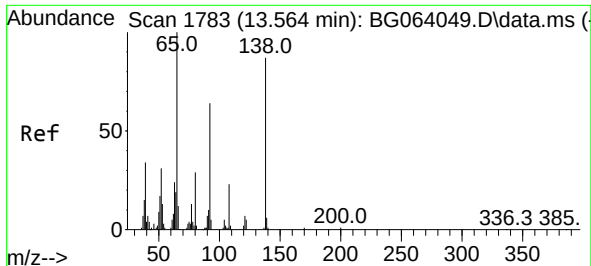


#45  
2-Fluorobiphenyl  
Concen: 100.201 ng  
RT: 13.108 min Scan# 1705  
Delta R.T. -0.009 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23



Tgt Ion:172 Resp: 664307  
Ion Ratio Lower Upper  
172 100  
171 36.4 28.0 42.0  
170 24.5 18.7 28.1

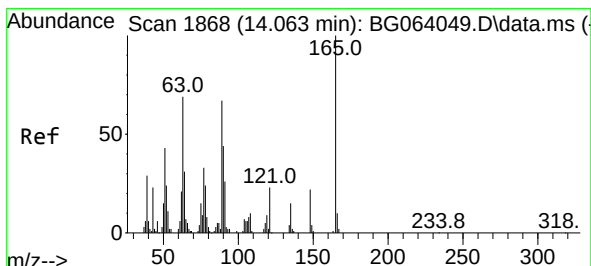
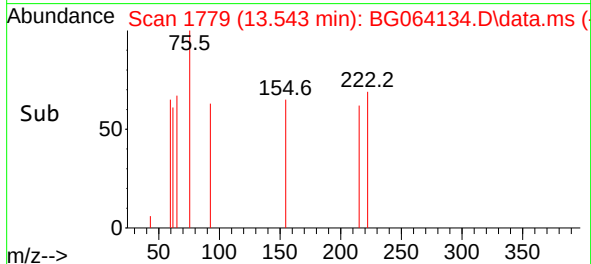
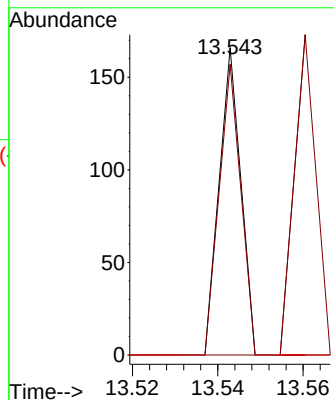
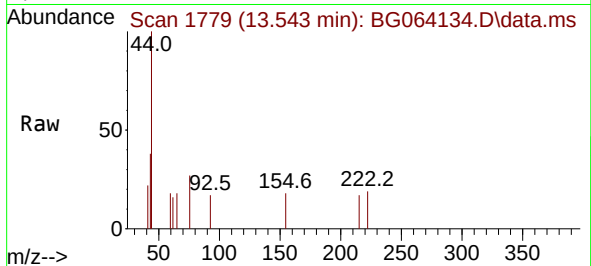




#48  
2-Nitroaniline  
Concen: 3.248 ng  
RT: 13.543 min Scan# 1  
Delta R.T. -0.021 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

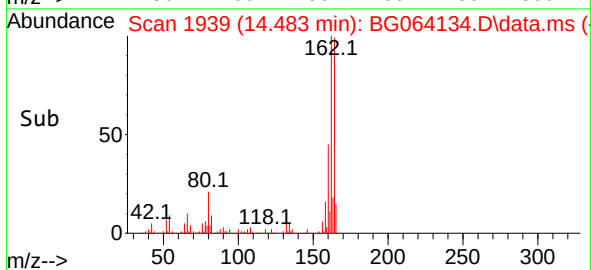
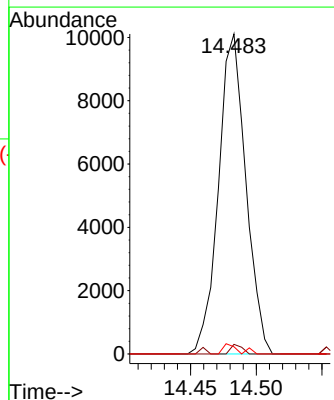
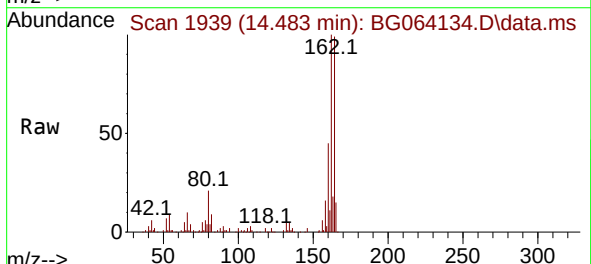
Instrument :  
BNA\_G  
ClientSampleId :  
P001-BBDGA-001-01

Tgt Ion: 65 Resp: 59  
Ion Ratio Lower Upper  
65 100  
92 94.6 51.2 76.8#  
138 0.0 69.4 104.2#

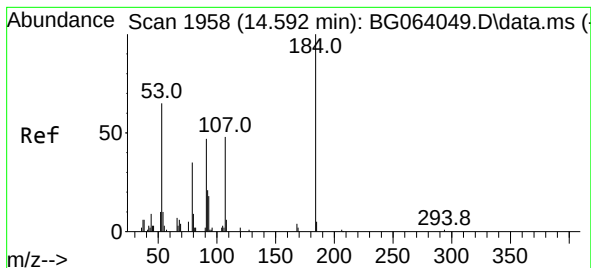


#51  
2,6-Dinitrotoluene  
Concen: 12.392 ng  
RT: 14.483 min Scan# 1939  
Delta R.T. 0.420 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

Tgt Ion: 165 Resp: 14640  
Ion Ratio Lower Upper  
165 100  
63 3.0 56.7 85.1#  
89 2.3 53.7 80.5#

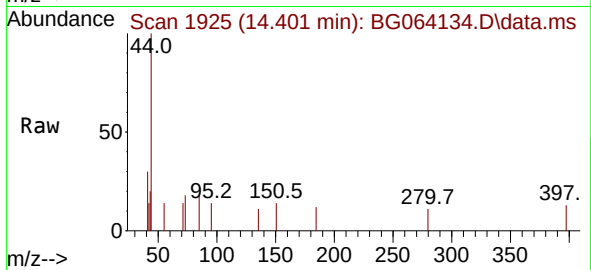




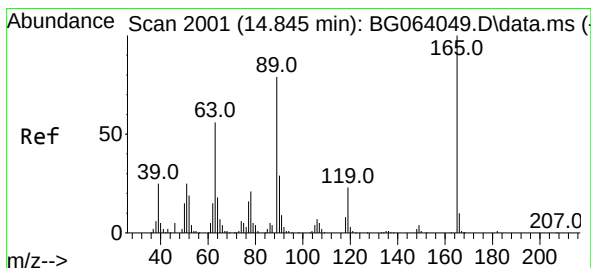
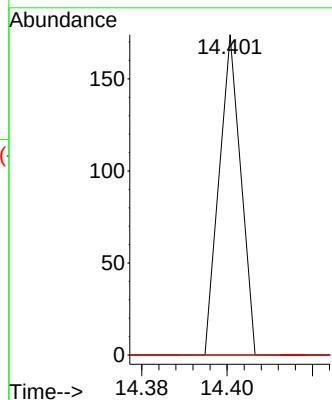
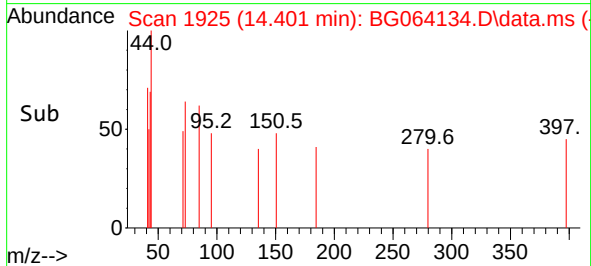


#54  
2,4-Dinitrophenol  
Concen: 7.969 ng  
RT: 14.401 min Scan# 1958  
Delta R.T. -0.191 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

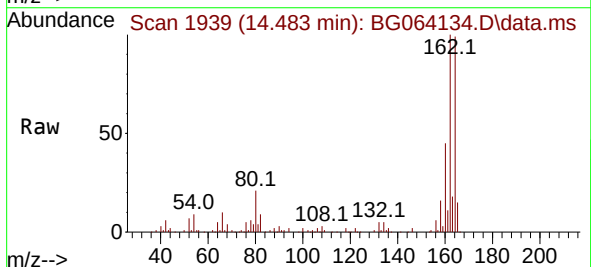
Instrument :  
BNA\_G  
ClientSampleId :  
P001-BBDGA-001-01



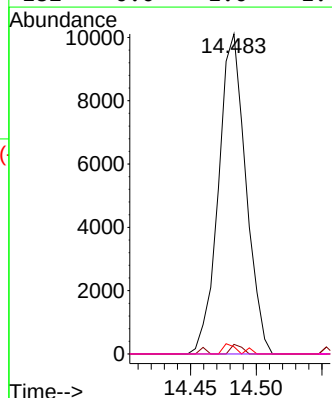
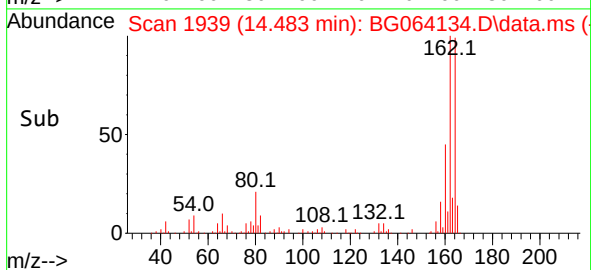
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Ion Ratio Lower Upper  
184 100  
63 0.0 57.5 86.3#  
154 0.0 52.3 78.5#

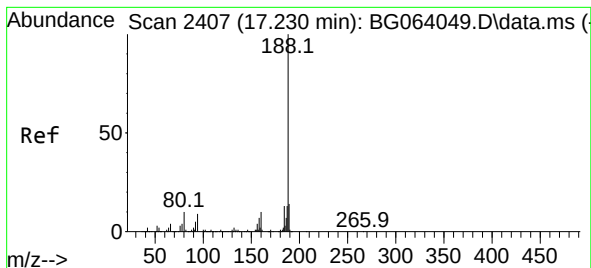


#57  
2,4-Dinitrotoluene  
Concen: 10.151 ng  
RT: 14.483 min Scan# 1939  
Delta R.T. -0.362 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23



Tgt Ion:165 Resp: 14640  
Ion Ratio Lower Upper  
165 100  
63 3.0 45.0 67.6#  
89 2.3 63.1 94.7#  
182 0.0 1.0 1.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 24

Delta R.T. -0.009 min

Lab File: BG064134.D

Acq: 1 Apr 2025 14:23

Instrument :

BNA\_G

ClientSampleId :

P001-BBDGA-001-01

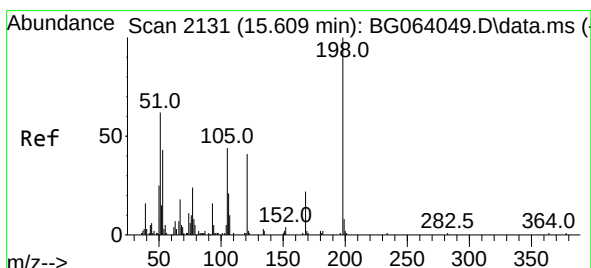
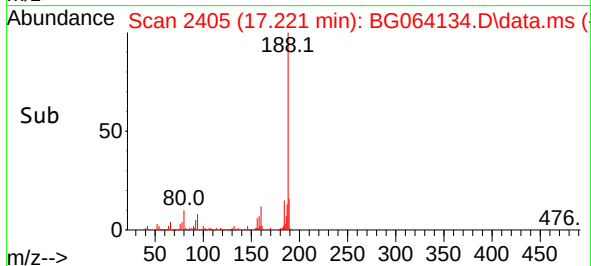
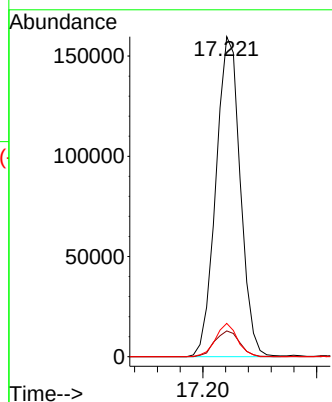
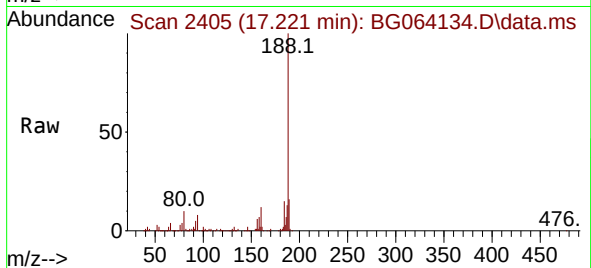
Tgt Ion:188 Resp: 238066

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

80 10.4 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 8.233 ng

RT: 15.306 min Scan# 2079

Delta R.T. -0.303 min

Lab File: BG064134.D

Acq: 1 Apr 2025 14:23

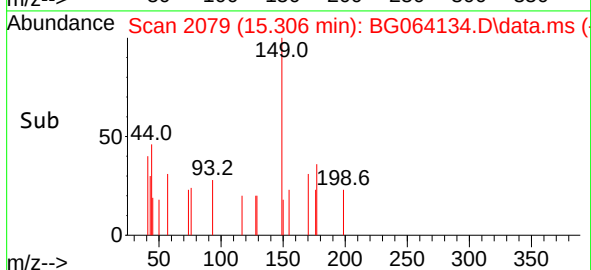
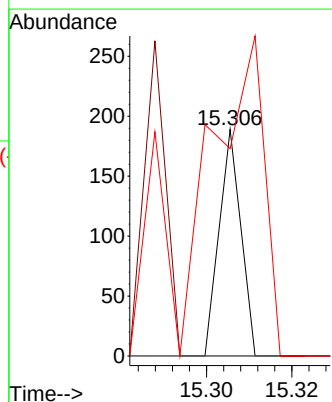
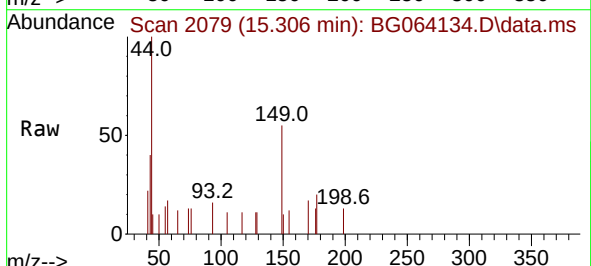
Tgt Ion:198 Resp: 67

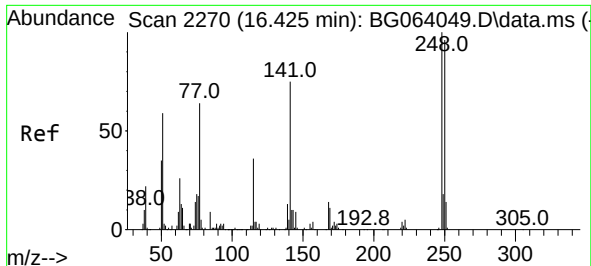
Ion Ratio Lower Upper

198 100

51 0.0 45.6 85.6#

105 91.5 25.3 65.3#

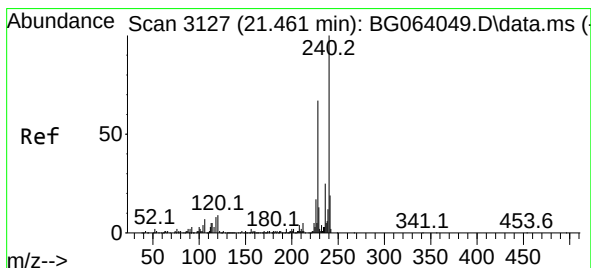
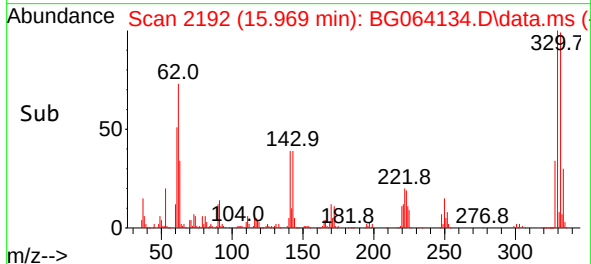
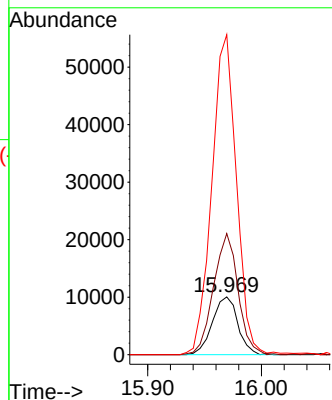
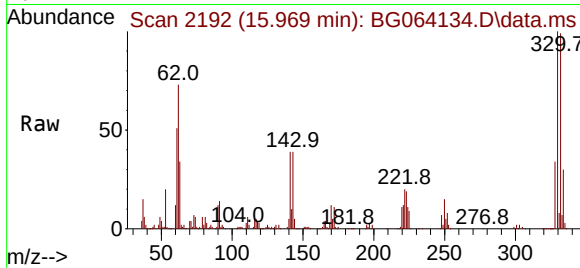




#67  
4-Bromophenyl-phenylether  
Concen: 6.412 ng  
RT: 15.969 min Scan# 2119  
Delta R.T. -0.456 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

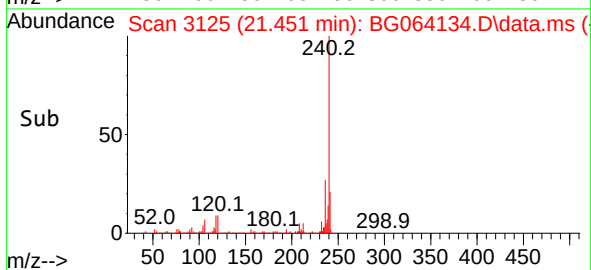
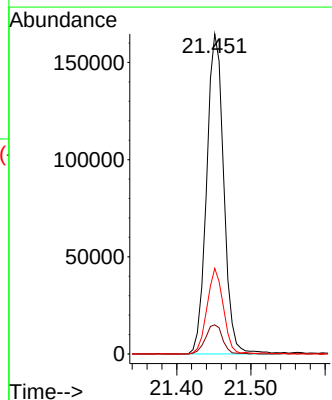
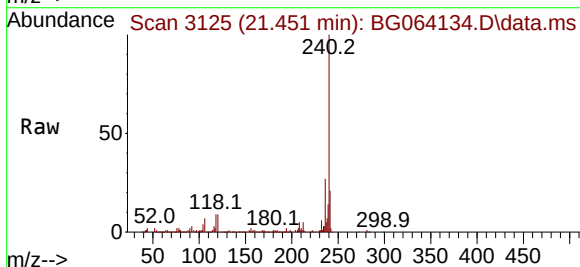
Instrument :  
BNA\_G  
ClientSampleId :  
P001-BBDGA-001-01

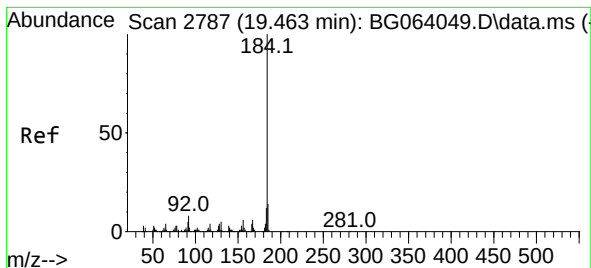
Tgt Ion:248 Resp: 15634  
Ion Ratio Lower Upper  
248 100  
250 209.8 77.1 115.7#  
141 554.3 59.8 89.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.451 min Scan# 3125  
Delta R.T. -0.009 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

Tgt Ion:240 Resp: 264272  
Ion Ratio Lower Upper  
240 100  
120 9.1 7.2 10.8  
236 26.7 20.2 30.2





#77

Benzidine

Concen: 7.119 ng

RT: 19.847 min Scan# 2852

Delta R.T. 0.384 min

Lab File: BG064134.D

Acq: 1 Apr 2025 14:23

Instrument :

BNA\_G

ClientSampleId :

P001-BBDGA-001-01

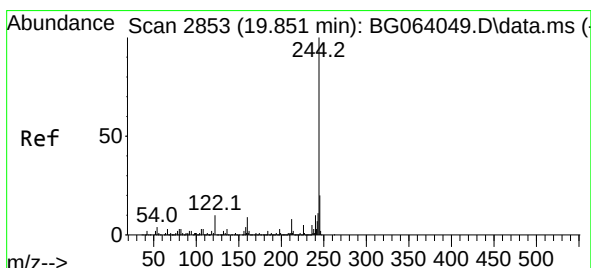
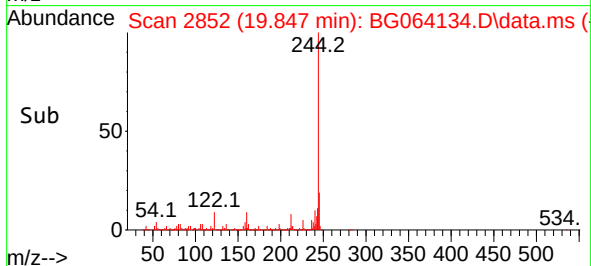
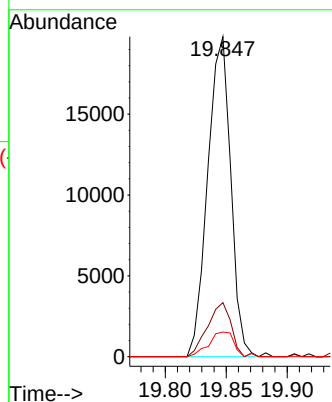
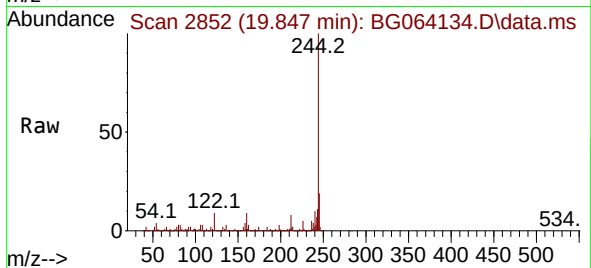
Tgt Ion:184 Resp: 26053

Ion Ratio Lower Upper

184 100

185 16.9 11.3 16.9#

183 7.7 9.5 14.3#



#79

Terphenyl-d14

Concen: 102.419 ng

RT: 19.847 min Scan# 2852

Delta R.T. -0.003 min

Lab File: BG064134.D

Acq: 1 Apr 2025 14:23

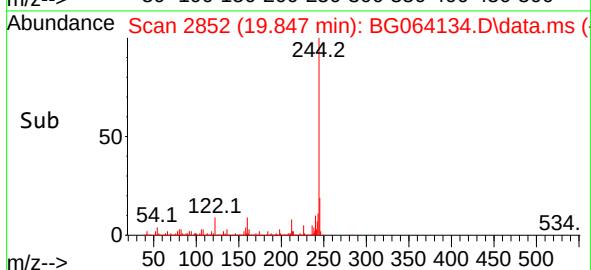
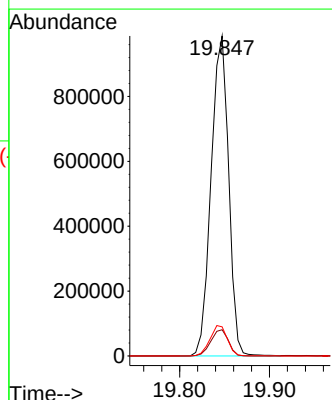
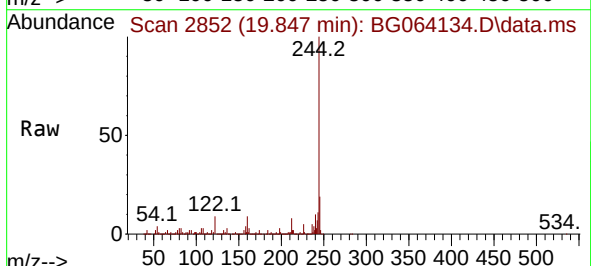
Tgt Ion:244 Resp: 1338604

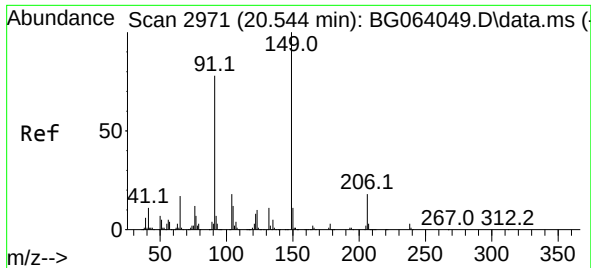
Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.4

122 9.1 8.0 12.0

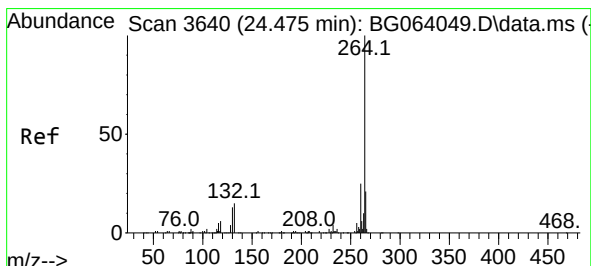
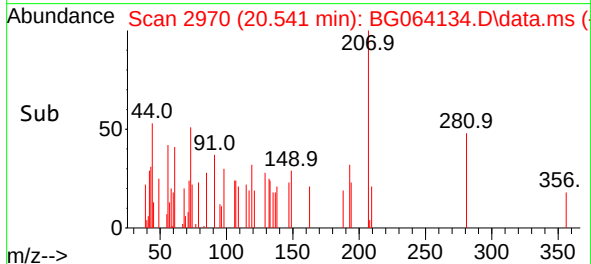
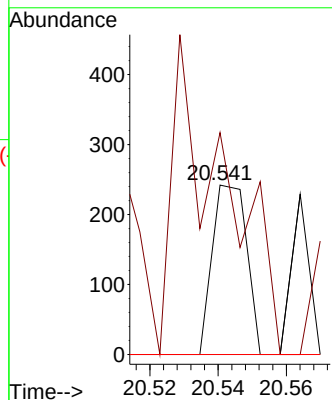
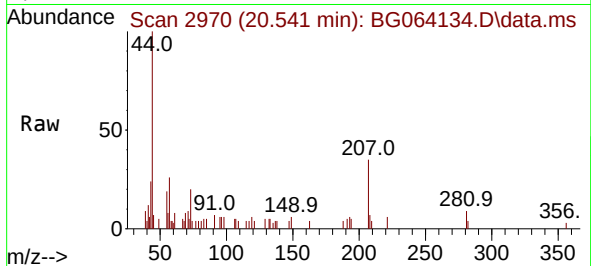




#80  
Butylbenzylphthalate  
Concen: 3.662 ng  
RT: 20.541 min Scan# 2971  
Delta R.T. -0.003 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

Instrument :  
BNA\_G  
ClientSampleId :  
P001-BBDGA-001-01

Tgt Ion:149 Resp: 168  
Ion Ratio Lower Upper  
149 100  
91 131.0 62.0 93.0#  
206 0.0 14.6 21.8#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.465 min Scan# 3638  
Delta R.T. -0.009 min  
Lab File: BG064134.D  
Acq: 1 Apr 2025 14:23

Tgt Ion:264 Resp: 280516  
Ion Ratio Lower Upper  
264 100  
260 22.4 19.6 29.4  
265 20.7 16.6 25.0

