

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102925\  
 Data File : BG064632.D  
 Acq On : 29 Oct 2025 20:59  
 Operator : RC/JU  
 Sample : Q3468-04  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-11

Quant Time: Oct 30 04:59:35 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 24 16:40:26 2025  
 Response via : Initial Calibration

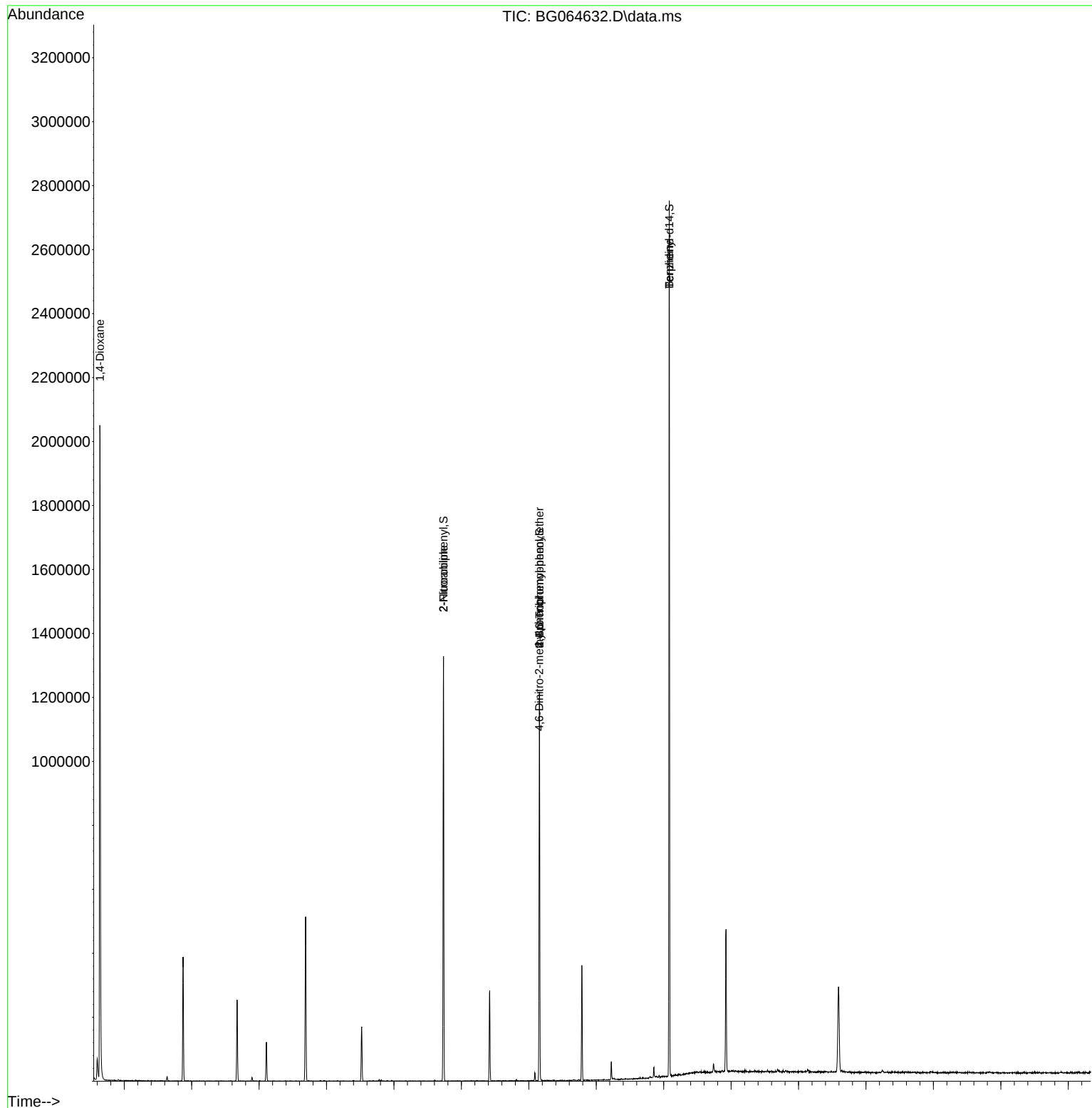
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.217  | 152  | 33286    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.044 | 136  | 137382   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.839 | 164  | 103755   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.571 | 188  | 234664   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.849 | 240  | 295229   | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12              | 25.186 | 264  | 321514   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.744  | 112  | 148523   | 74.895  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.348  | 99   | 128079   | 47.067  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.381  | 82   | 281552   | 123.093 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.314 | 330  | 253889   | 169.542 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.470 | 172  | 689995   | 100.801 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.168 | 244  | 1453520  | 92.912  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.276  | 88   | 17993    | 20.494  | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 9.381  | 70   | 38466    | 20.454  | ng    | # 70     |
| 48) 2-Nitroaniline            | 13.470 | 65   | 1404     | 3.926   | ng    | # 14     |
| 51) 2,6-Dinitrotoluene        | 14.839 | 165  | 13031    | 12.479  | ng    | # 20     |
| 57) 2,4-Dinitrotoluene        | 14.839 | 165  | 13031    | 9.076   | ng    | # 23     |
| 65) 4,6-Dinitro-2-methylph... | 16.308 | 198  | 742      | 6.064   | ng    | # 63     |
| 67) 4-Bromophenyl-phenylether | 16.314 | 248  | 16294    | 5.859   | ng    | # 1      |
| 77) Benzidine                 | 20.168 | 184  | 22806    | 3.448   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

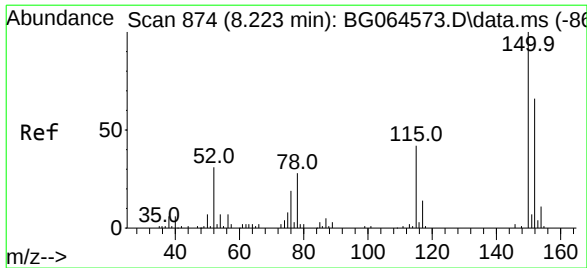
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102925\  
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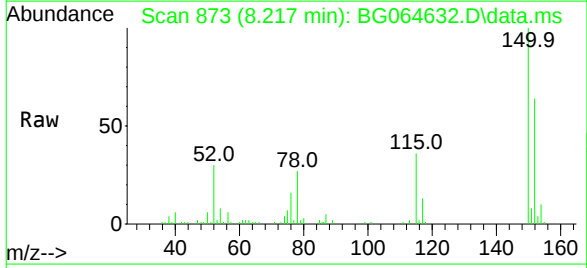
Quant Time: Oct 30 04:59:35 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 24 16:40:26 2025  
Response via : Initial Calibration



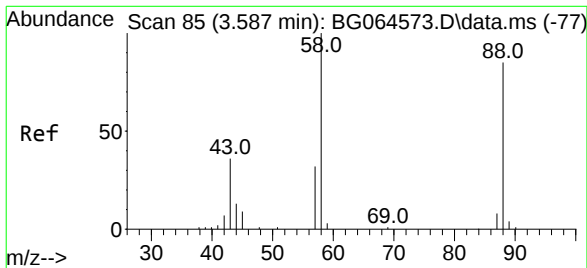
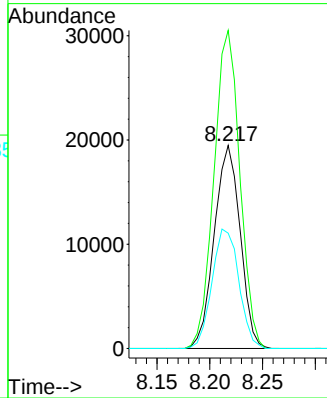
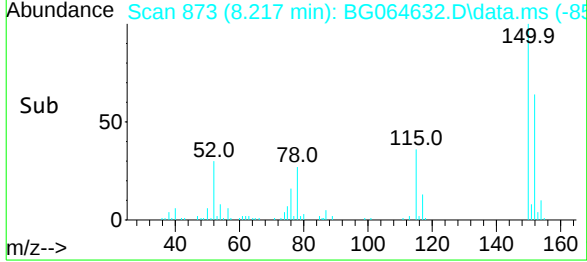


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.217 min Scan# 87  
Delta R.T. -0.004 min  
Lab File: BG064632.D  
Acq: 29 Oct 2025 20:59

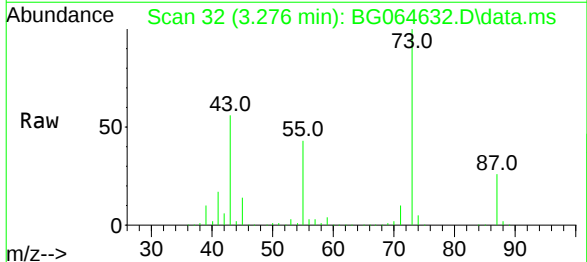
Instrument :  
BNA\_G  
ClientSampleId :  
MW-11



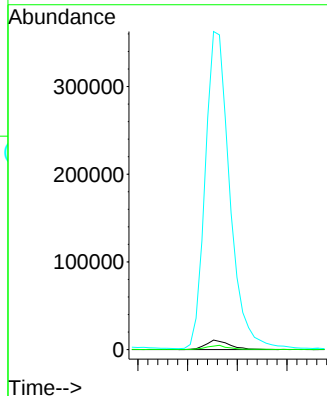
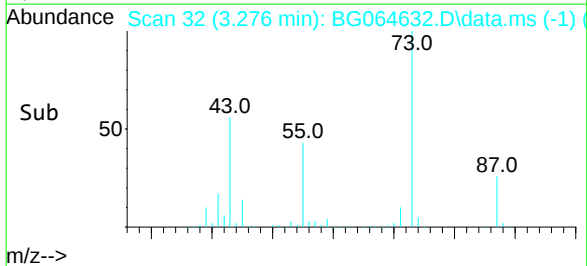
Tgt Ion: 152 Resp: 33286  
Ion Ratio Lower Upper  
152 100  
150 156.6 122.2 183.4  
115 56.8 50.8 76.2

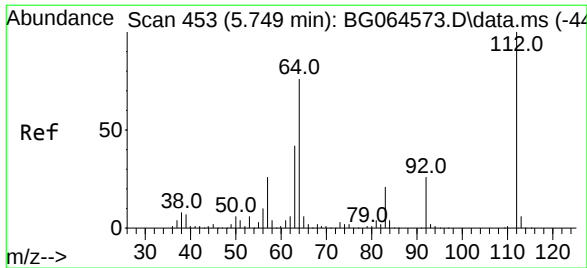


#2  
1,4-Dioxane  
Concen: 20.494 ng  
RT: 3.276 min Scan# 32  
Delta R.T. -0.315 min  
Lab File: BG064632.D  
Acq: 29 Oct 2025 20:59



Tgt Ion: 88 Resp: 17993  
Ion Ratio Lower Upper  
88 100  
58 45.0 92.4 138.6#  
43 3449.2 33.0 49.6#

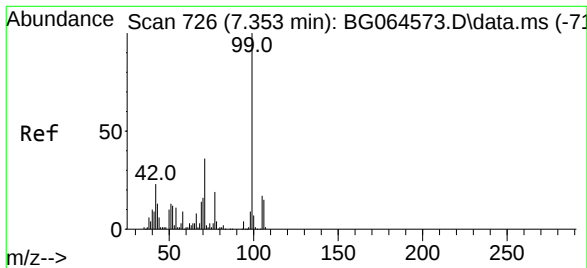
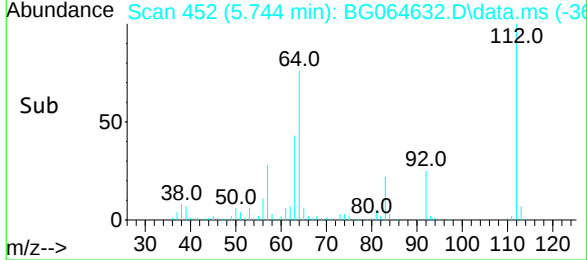
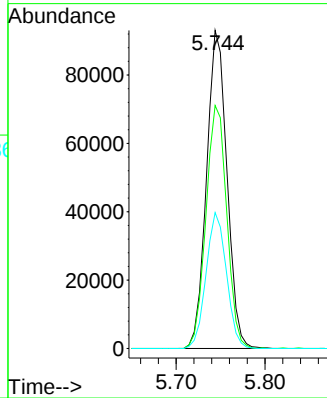
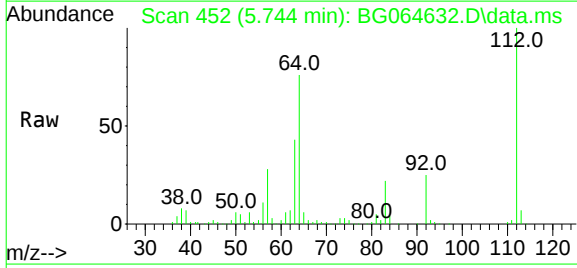




#5  
2-Fluorophenol  
Concen: 74.895 ng  
RT: 5.744 min Scan# 453  
Delta R.T. -0.003 min  
Lab File: BG064632.D  
Acq: 29 Oct 2025 20:59

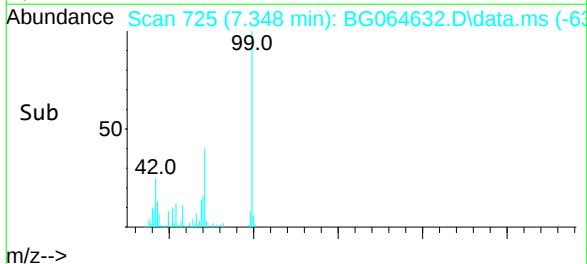
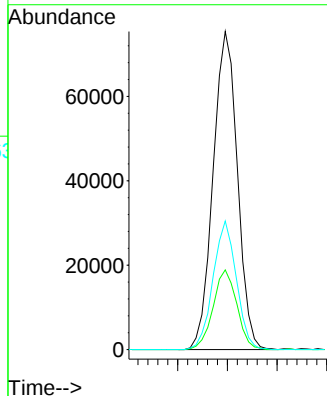
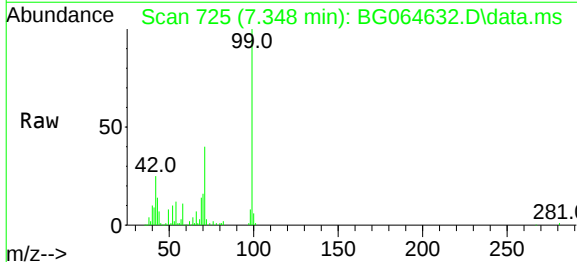
Instrument :  
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ClientSampleId :  
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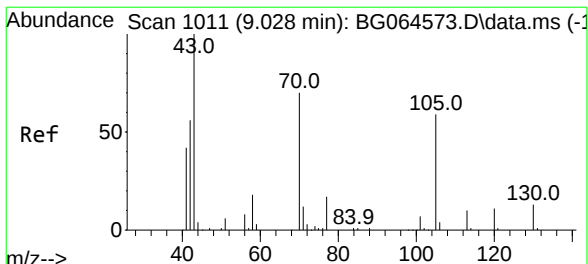
Tgt Ion:112 Resp: 148523  
Ion Ratio Lower Upper  
112 100  
64 76.4 60.7 91.1  
63 42.7 33.4 50.0



#7  
Phenol-d6  
Concen: 47.067 ng  
RT: 7.348 min Scan# 725  
Delta R.T. -0.009 min  
Lab File: BG064632.D  
Acq: 29 Oct 2025 20:59

Tgt Ion: 99 Resp: 128079  
Ion Ratio Lower Upper  
99 100  
42 25.1 18.3 27.5  
71 40.4 28.6 43.0

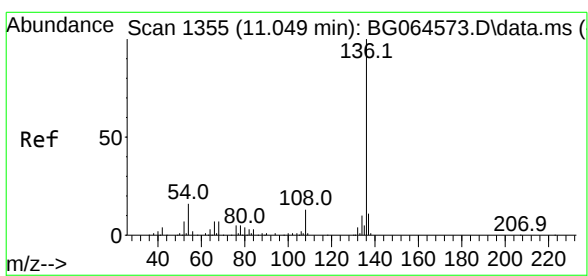
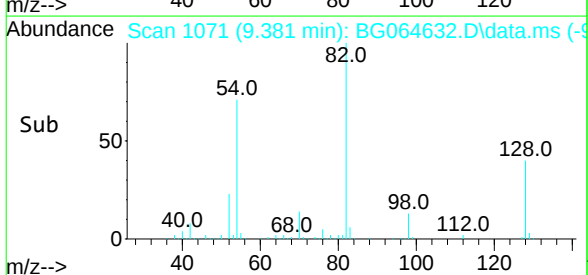
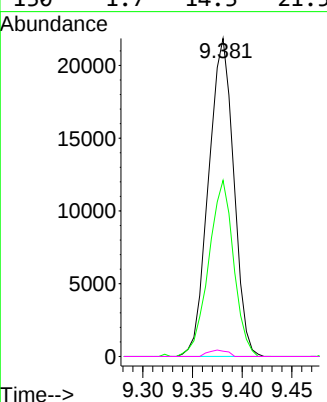
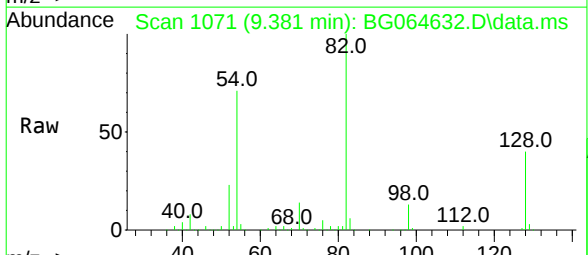




#19  
n-Nitroso-di-n-propylamine  
Concen: 20.454 ng  
RT: 9.381 min Scan# 10  
Delta R.T. 0.349 min  
Lab File: BG064632.D  
Acq: 29 Oct 2025 20:59

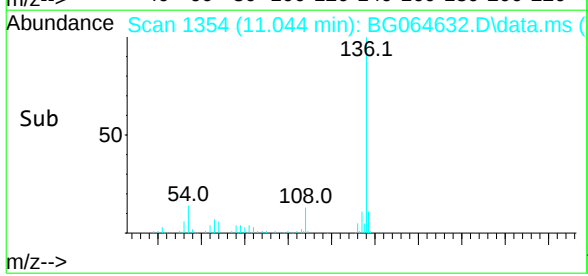
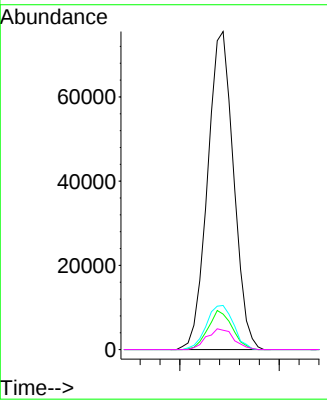
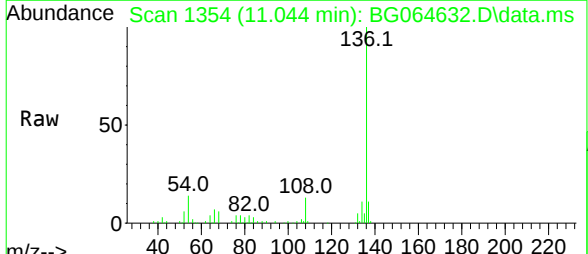
Instrument :  
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ClientSampleId :  
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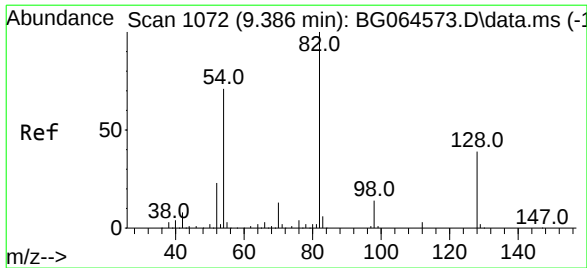
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 38466 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 55.4  | 65.2  | 97.8# |
| 101      | 0.0   | 7.9   | 11.9# |
| 130      | 1.7   | 14.3  | 21.5# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.044 min Scan# 1354  
Delta R.T. -0.009 min  
Lab File: BG064632.D  
Acq: 29 Oct 2025 20:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 137382 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 9.2   | 13.8   |
| 54       | 13.9  | 12.6  | 19.0   |
| 68       | 6.1   | 5.7   | 8.5    |





#23

Nitrobenzene-d5

Concen: 123.093 ng

RT: 9.381 min Scan# 10

Delta R.T. -0.009 min

Lab File: BG064632.D

Acq: 29 Oct 2025 20:59

Instrument :

BNA\_G

ClientSampleId :

MW-11

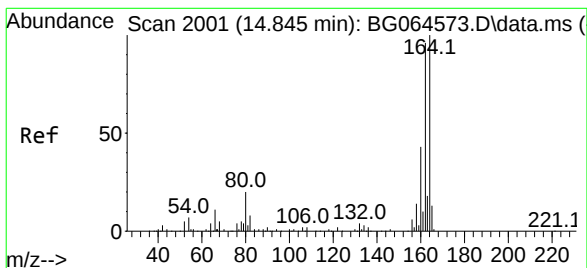
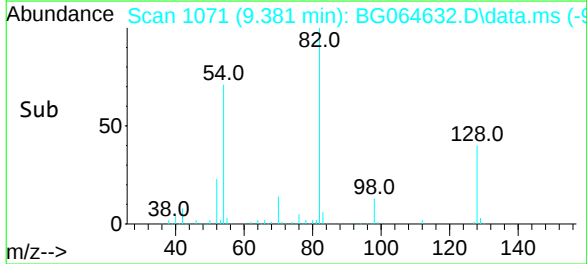
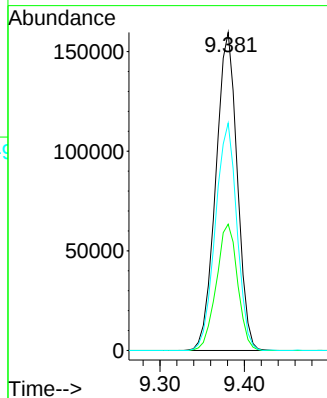
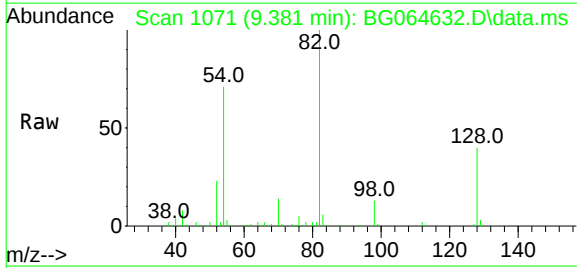
Tgt Ion: 82 Resp: 281552

Ion Ratio Lower Upper

82 100

128 39.7 31.3 46.9

54 71.5 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.839 min Scan# 2000

Delta R.T. -0.003 min

Lab File: BG064632.D

Acq: 29 Oct 2025 20:59

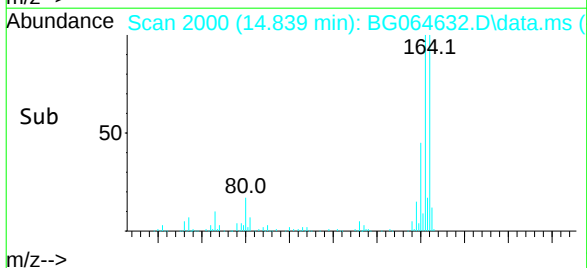
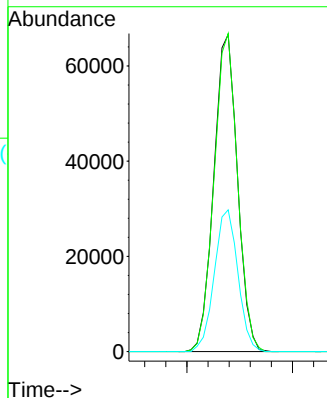
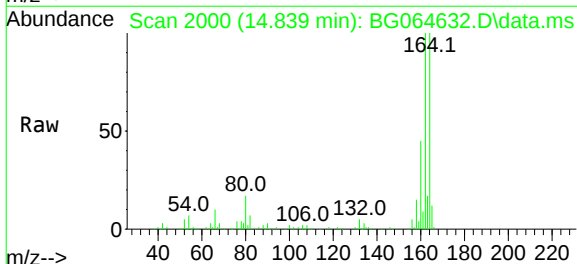
Tgt Ion: 164 Resp: 103755

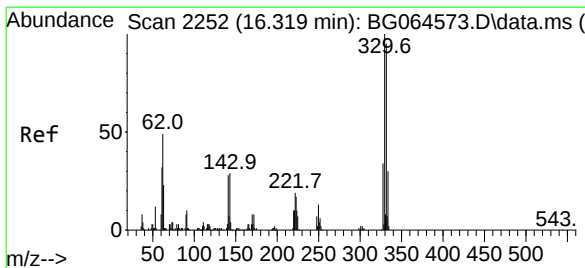
Ion Ratio Lower Upper

164 100

162 100.3 77.0 115.6

160 44.7 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 169.542 ng

RT: 16.314 min Scan# 22

Delta R.T. -0.009 min

Lab File: BG064632.D

Acq: 29 Oct 2025 20:59

Instrument :

BNA\_G

ClientSampleId :

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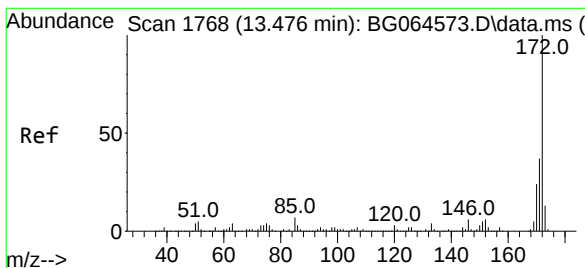
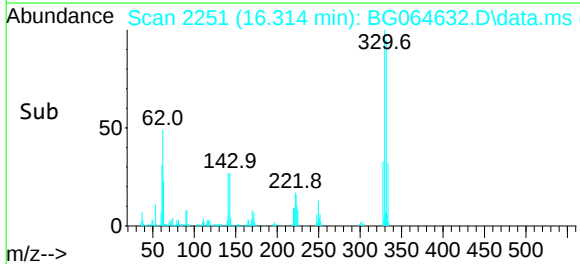
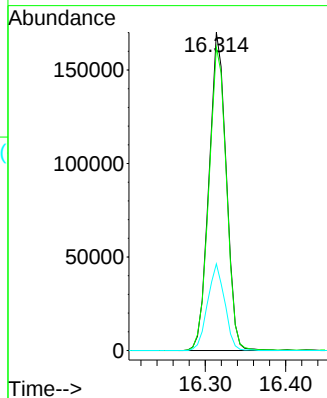
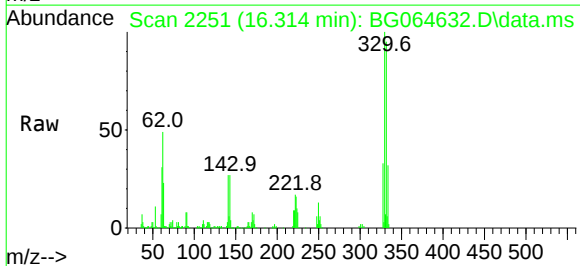
Tgt Ion:330 Resp: 253889

Ion Ratio Lower Upper

330 100

332 97.0 78.0 117.0

141 26.9 21.8 32.6



#45

2-Fluorobiphenyl

Concen: 100.801 ng

RT: 13.470 min Scan# 1767

Delta R.T. -0.009 min

Lab File: BG064632.D

Acq: 29 Oct 2025 20:59

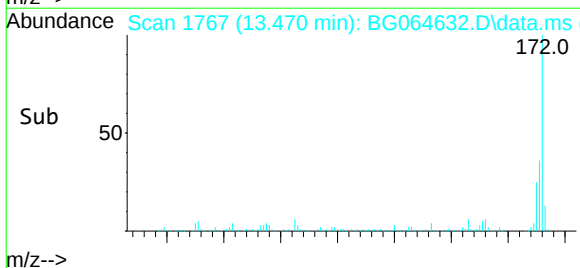
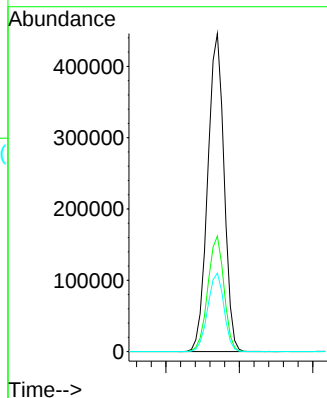
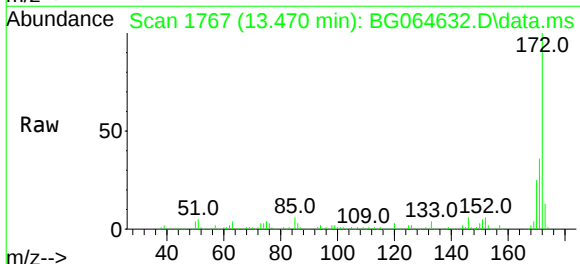
Tgt Ion:172 Resp: 689995

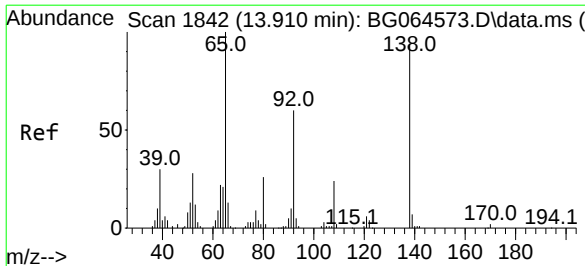
Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

170 24.7 19.1 28.7





#48

2-Nitroaniline

Concen: 3.926 ng

RT: 13.470 min Scan# 17

Delta R.T. -0.444 min

Lab File: BG064632.D

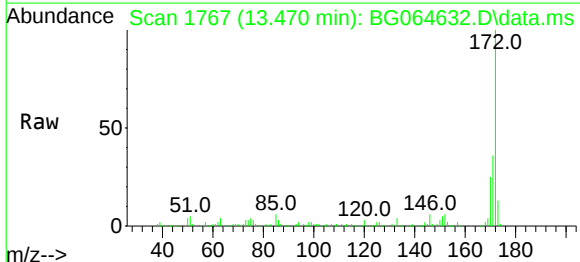
Acq: 29 Oct 2025 20:59

Instrument :

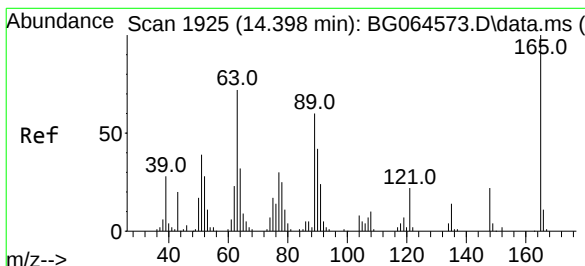
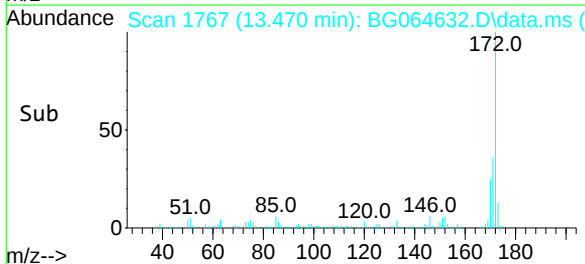
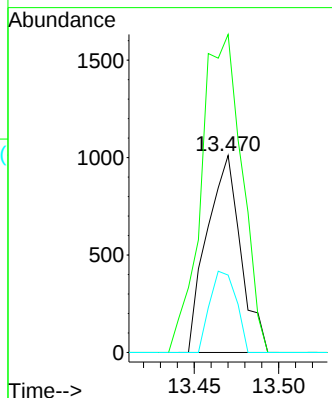
BNA\_G

ClientSampleId :

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 1404   |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 92       | 161.4 | 48.3  | 72.5#  |
| 138      | 39.3  | 74.9  | 112.3# |



#51

2,6-Dinitrotoluene

Concen: 12.479 ng

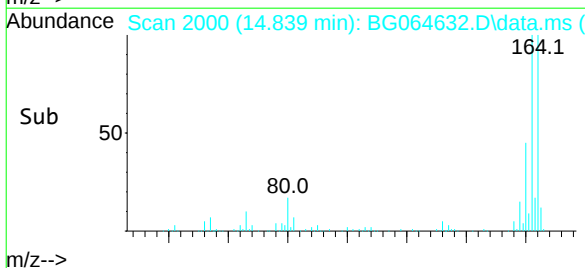
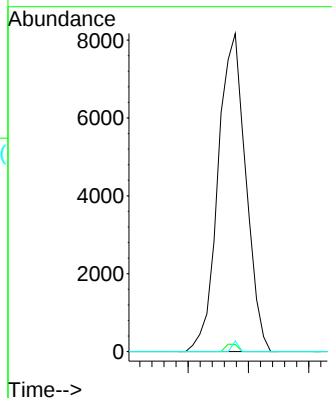
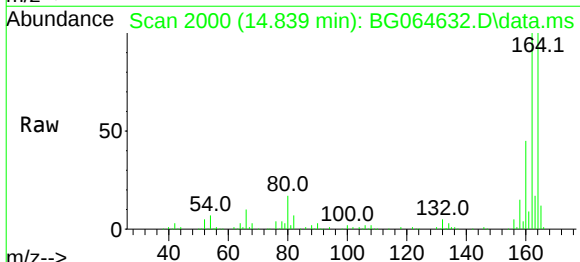
RT: 14.839 min Scan# 2000

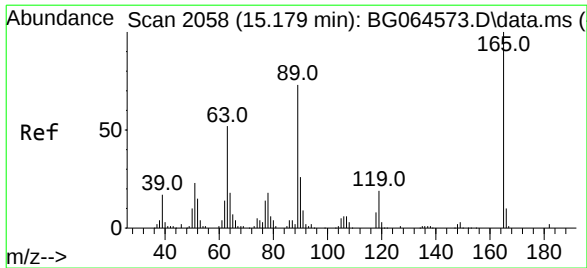
Delta R.T. 0.437 min

Lab File: BG064632.D

Acq: 29 Oct 2025 20:59

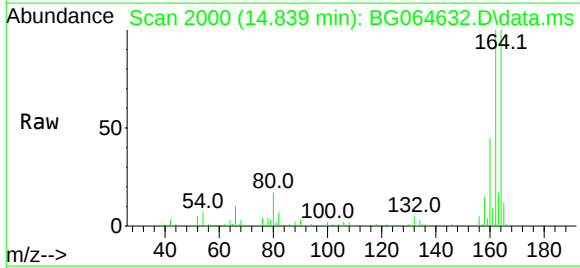
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 13031 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 2.2   | 57.4  | 86.0# |
| 89       | 3.3   | 47.8  | 71.8# |



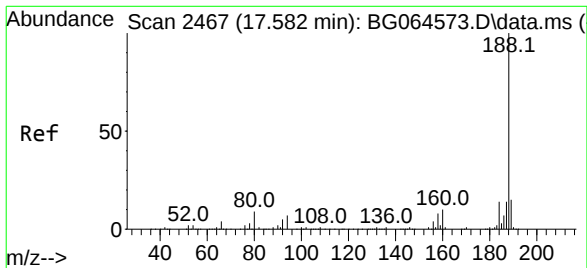
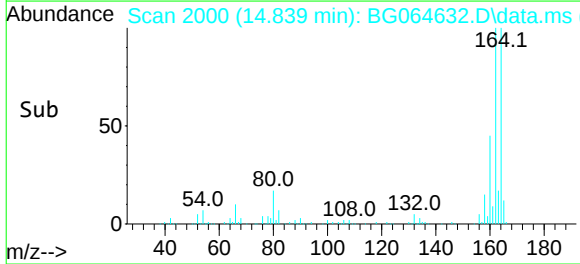
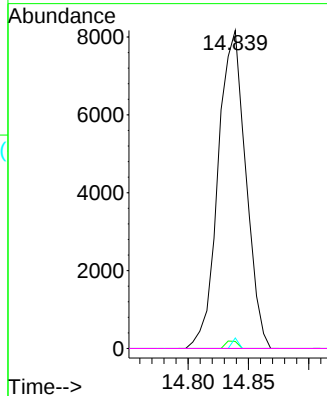


#57  
2,4-Dinitrotoluene  
Concen: 9.076 ng  
RT: 14.839 min Scan# 2058  
Delta R.T. -0.350 min  
Lab File: BG064632.D  
Acq: 29 Oct 2025 20:59

Instrument :  
BNA\_G  
ClientSampleId :  
MW-11

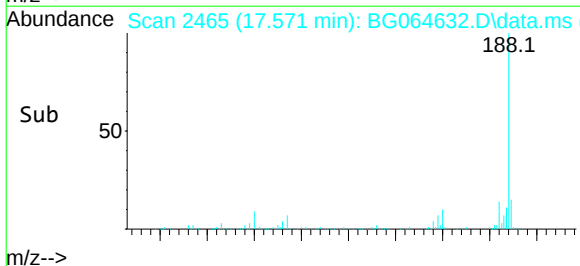
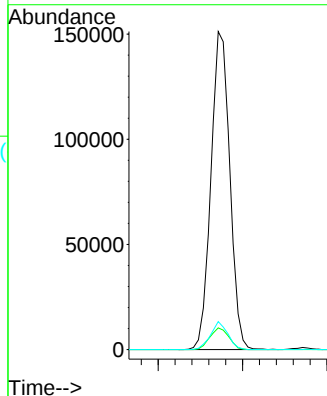
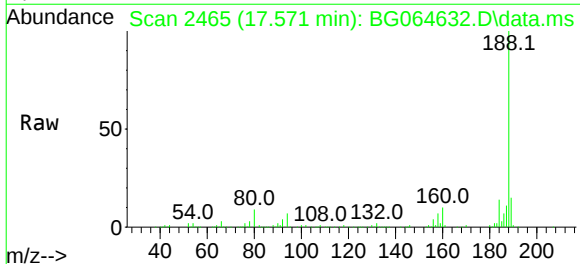


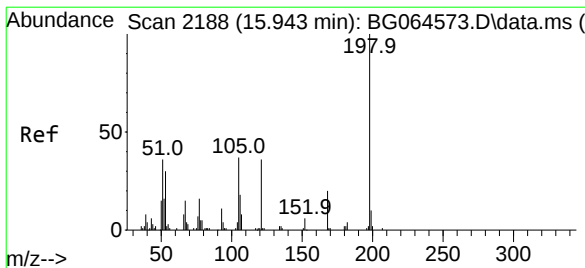
Tgt Ion:165 Resp: 13031  
Ion Ratio Lower Upper  
165 100  
63 2.2 41.8 62.8#  
89 3.3 58.1 87.1#  
182 0.0 1.4 2.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.571 min Scan# 2465  
Delta R.T. -0.009 min  
Lab File: BG064632.D  
Acq: 29 Oct 2025 20:59

Tgt Ion:188 Resp: 234664  
Ion Ratio Lower Upper  
188 100  
94 6.8 5.7 8.5  
80 8.8 6.8 10.2

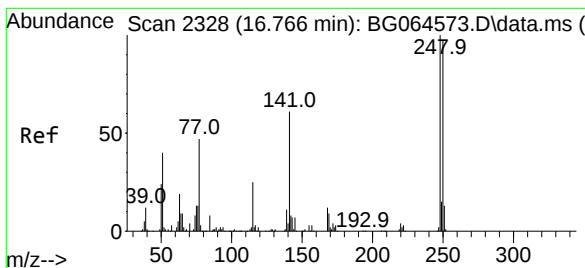
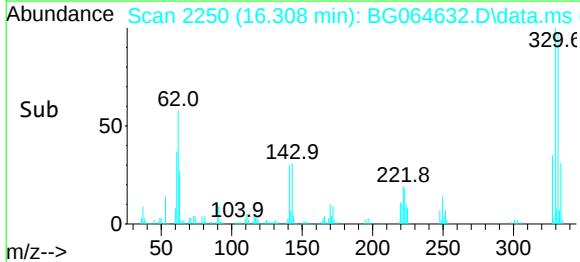
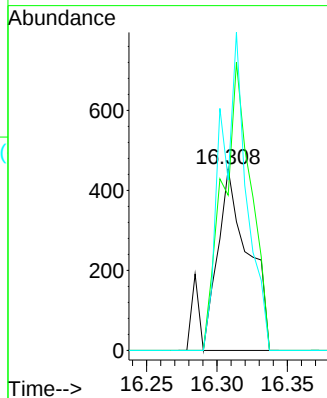
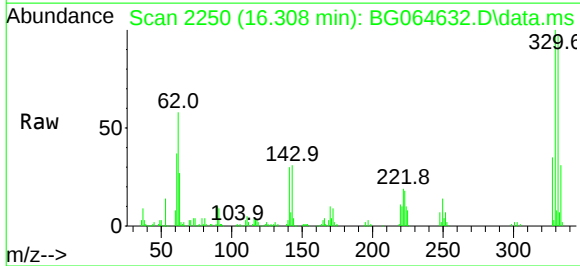




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.064 ng  
RT: 16.308 min Scan# 221  
Delta R.T. 0.361 min  
Lab File: BG064632.D  
Acq: 29 Oct 2025 20:59

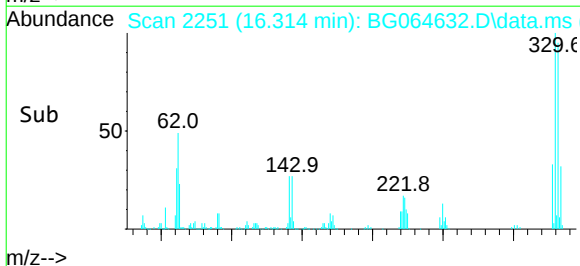
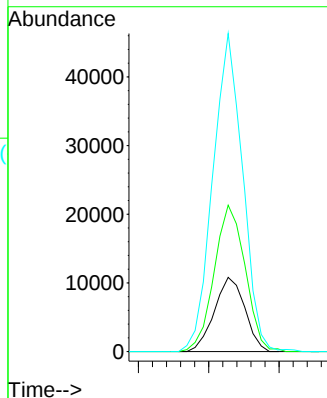
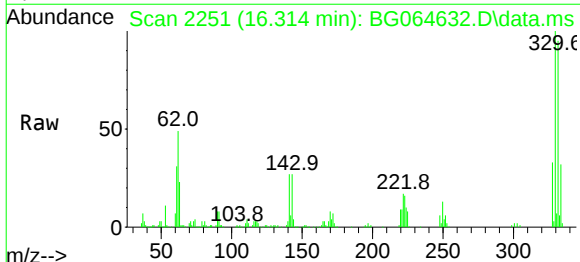
Instrument :  
BNA\_G  
ClientSampleId :  
MW-11

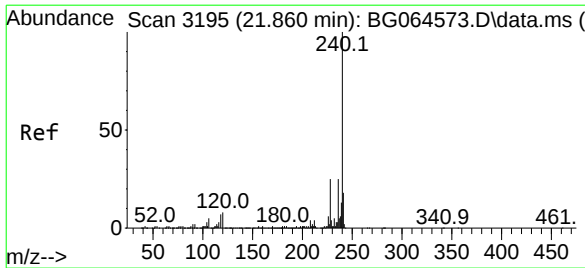
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 17.4  | 24.7  | 64.7# |
| 105     | 19.1  | 18.0  | 58.0  |



#67  
4-Bromophenyl-phenylether  
Concen: 5.859 ng  
RT: 16.314 min Scan# 2251  
Delta R.T. -0.456 min  
Lab File: BG064632.D  
Acq: 29 Oct 2025 20:59

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 149.2 | 77.7  | 116.5# |
| 141     | 324.1 | 48.6  | 72.8#  |

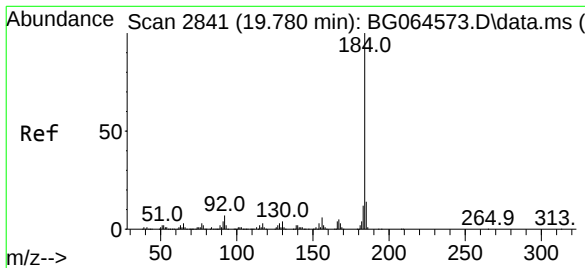
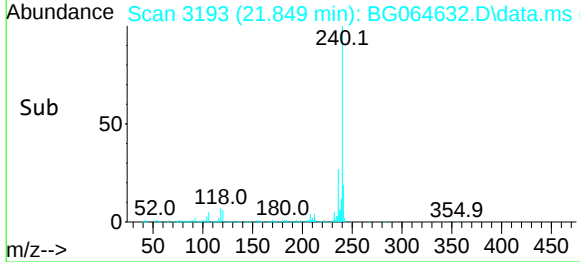
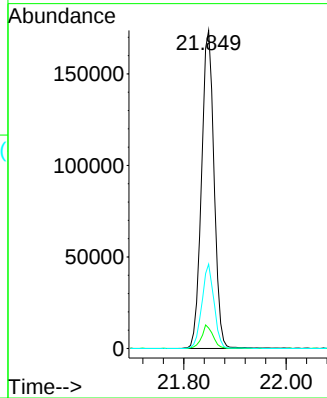
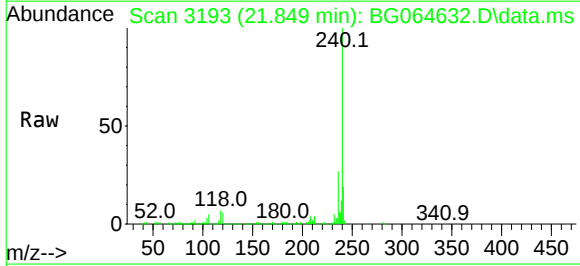




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.849 min Scan# 31  
Delta R.T. -0.015 min  
Lab File: BG064632.D  
Acq: 29 Oct 2025 20:59

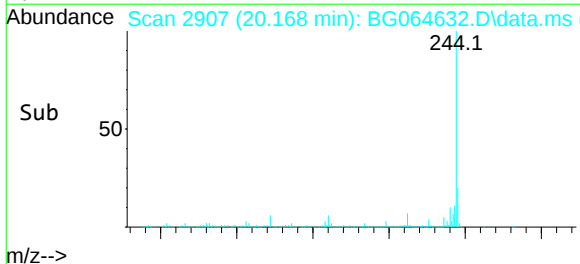
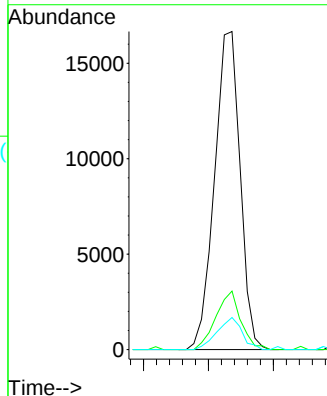
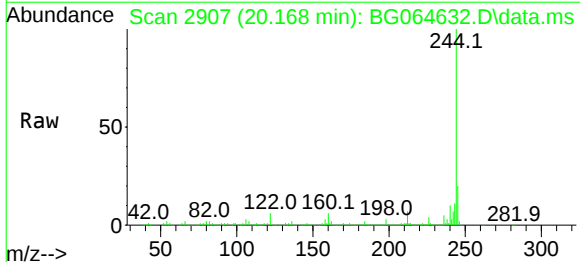
Instrument :  
BNA\_G  
ClientSampleId :  
MW-11

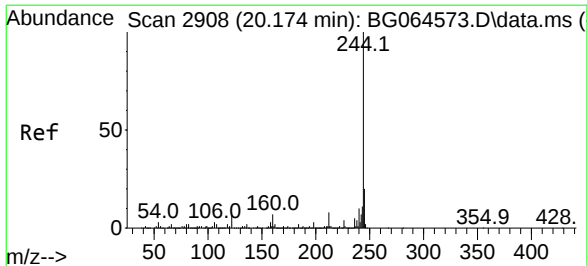
Tgt Ion:240 Resp: 295229  
Ion Ratio Lower Upper  
240 100  
120 6.4 6.5 9.7#  
236 26.5 20.2 30.2



#77  
Benzidine  
Concen: 3.448 ng  
RT: 20.168 min Scan# 2907  
Delta R.T. 0.385 min  
Lab File: BG064632.D  
Acq: 29 Oct 2025 20:59

Tgt Ion:184 Resp: 22806  
Ion Ratio Lower Upper  
184 100  
185 18.4 11.4 17.2#  
183 10.1 9.4 14.2





#79

Terphenyl-d14

Concen: 92.912 ng

RT: 20.168 min Scan# 29

Delta R.T. -0.009 min

Lab File: BG064632.D

Acq: 29 Oct 2025 20:59

Instrument :

BNA\_G

ClientSampleId :

MW-11

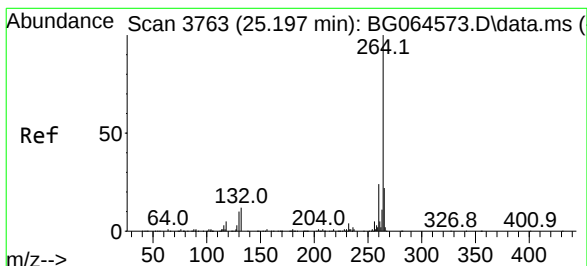
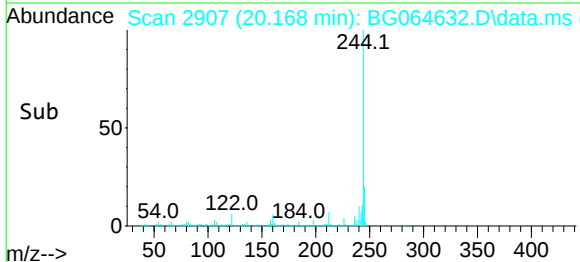
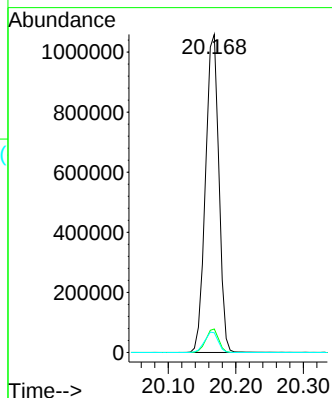
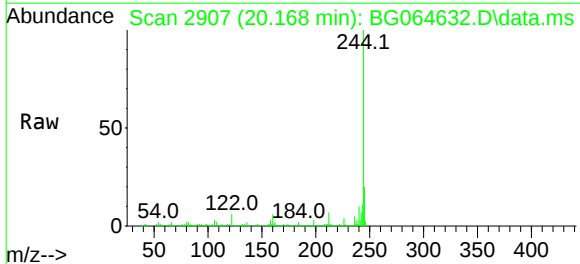
Tgt Ion:244 Resp: 1453520

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 6.2 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.186 min Scan# 3761

Delta R.T. -0.015 min

Lab File: BG064632.D

Acq: 29 Oct 2025 20:59

Tgt Ion:264 Resp: 321514

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.4

265 20.6 17.6 26.4

