

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110625\  
 Data File : BG064702.D  
 Acq On : 6 Nov 2025 14:25  
 Operator : RC/JU  
 Sample : Q3546-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-COMP

Quant Time: Nov 06 15:09:44 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 03 18:16:26 2025  
 Response via : Initial Calibration

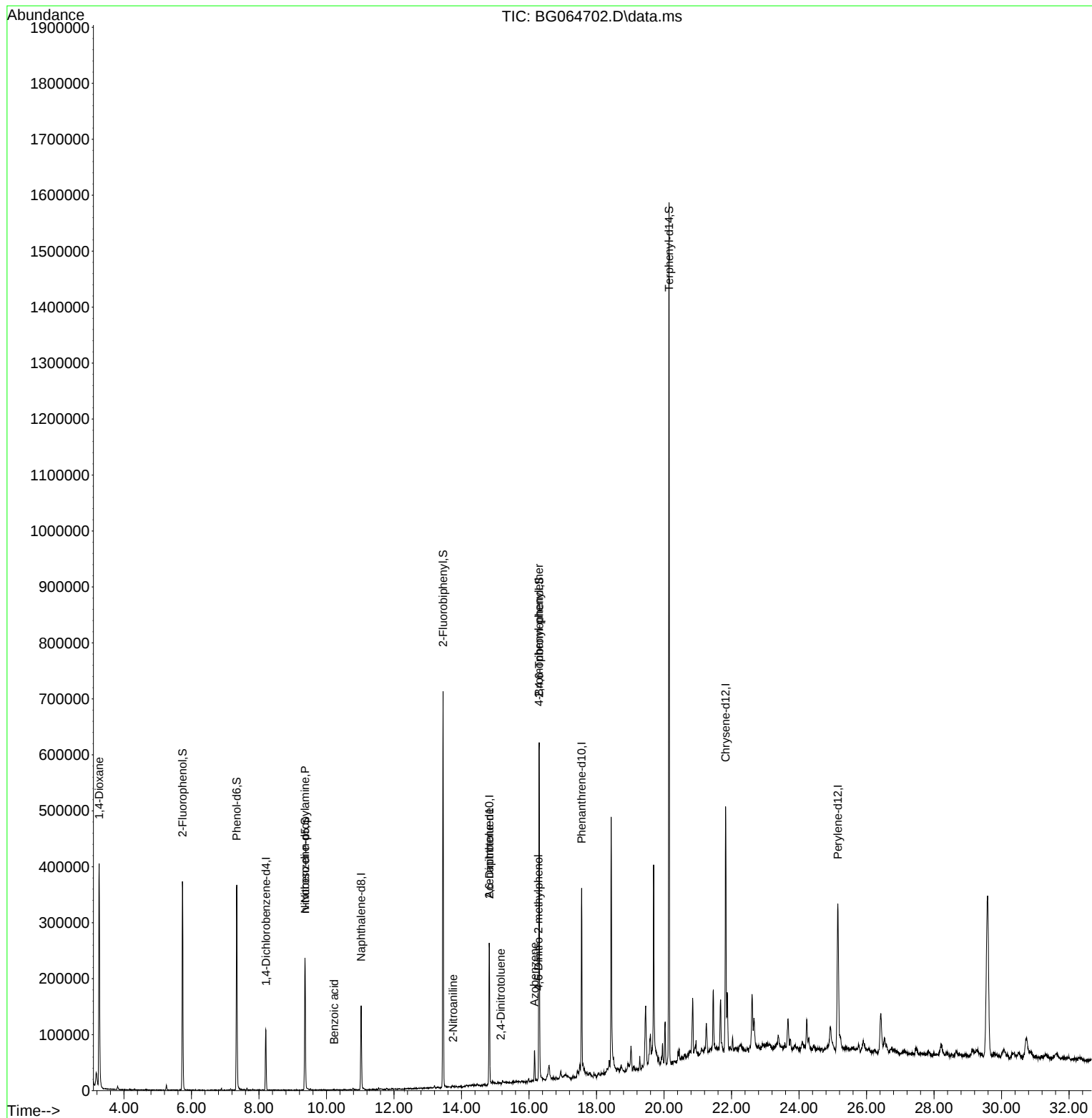
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.205  | 152  | 31140    | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8            | 11.025 | 136  | 122176   | 20.000  | ng    | #-0.02   |
| 39) Acenaphthene-d10          | 14.821 | 164  | 93552    | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 17.559 | 188  | 222156   | 20.000  | ng    | #-0.02   |
| 76) Chrysene-d12              | 21.824 | 240  | 282847   | 20.000  | ng    | #-0.04   |
| 86) Perylene-d12              | 25.150 | 264  | 322658   | 20.000  | ng    | -0.05    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.731  | 112  | 151706   | 81.772  | ng    | -0.02    |
| 7) Phenol-d6                  | 7.341  | 99   | 207374   | 81.458  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 9.362  | 82   | 136061   | 66.889  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 16.301 | 330  | 144943   | 107.346 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 13.452 | 172  | 374305   | 60.646  | ng    | -0.02    |
| 79) Terphenyl-d14             | 20.150 | 244  | 814744   | 54.360  | ng    | -0.02    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.264  | 88   | 3971     | 4.835   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 9.362  | 70   | 18095    | 10.285  | ng    | # 72     |
| 32) Benzoic acid              | 10.226 | 122  | 210      | 4.900   | ng    | # 65     |
| 48) 2-Nitroaniline            | 13.751 | 65   | 119      | 3.291   | ng    | # 10     |
| 51) 2,6-Dinitrotoluene        | 14.821 | 165  | 12644    | 13.186  | ng    | # 20     |
| 57) 2,4-Dinitrotoluene        | 15.167 | 165  | 539      | 3.327   | ng    | # 20     |
| 63) Azobenzene                | 16.160 | 77   | 15615    | 2.328   | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 16.278 | 198  | 68       | 5.488   | ng    | # 34     |
| 67) 4-Bromophenyl-phenylether | 16.295 | 248  | 8528     | 3.239   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

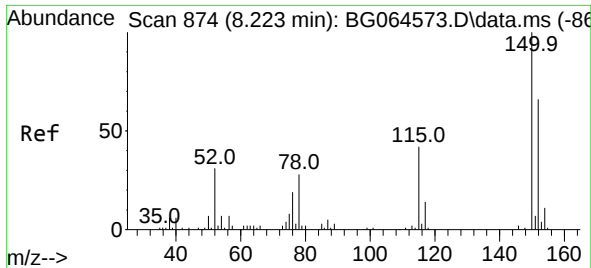
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110625\  
Data File : BG064702.D  
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Sample : Q3546-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-COMP

Quant Time: Nov 06 15:09:44 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 03 18:16:26 2025  
Response via : Initial Calibration

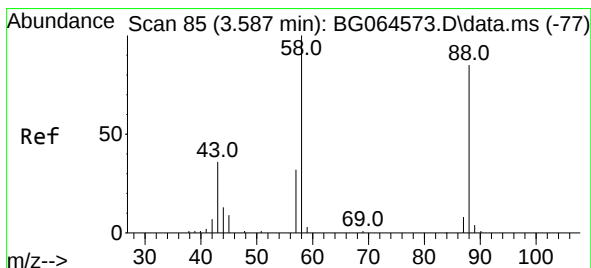
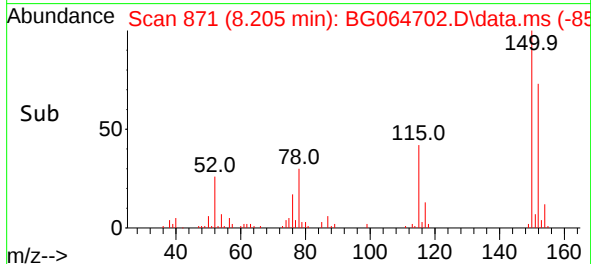
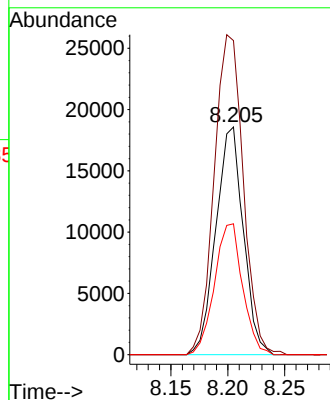
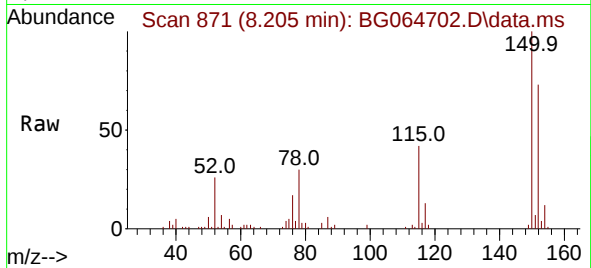




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.205 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

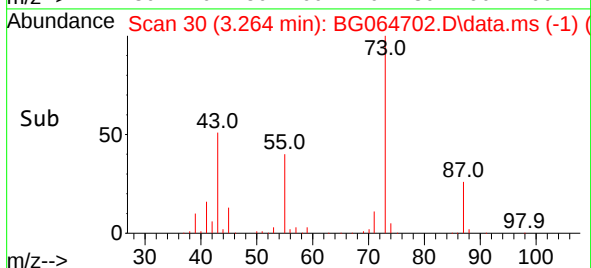
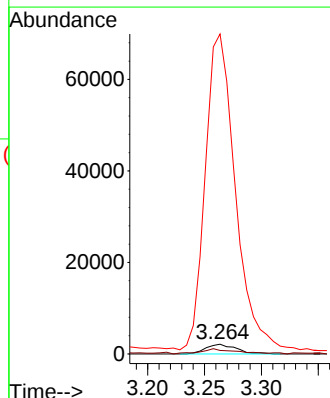
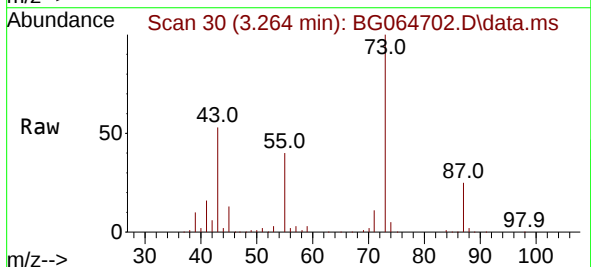
Instrument :  
BNA\_G  
ClientSampleId :  
TP-COMP

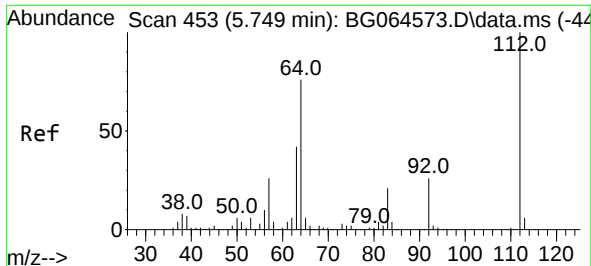
Tgt Ion:152 Resp: 31140  
Ion Ratio Lower Upper  
152 100  
150 137.9 122.2 183.4  
115 57.4 50.8 76.2



#2  
1,4-Dioxane  
Concen: 4.835 ng  
RT: 3.264 min Scan# 30  
Delta R.T. -0.324 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

Tgt Ion: 88 Resp: 3971  
Ion Ratio Lower Upper  
88 100  
58 64.4 92.4 138.6#  
43 3223.4 33.0 49.6#

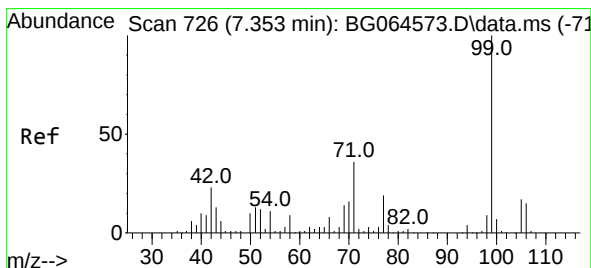
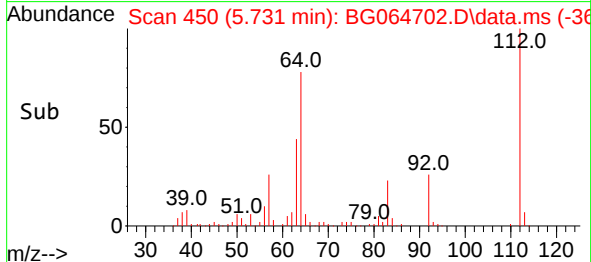
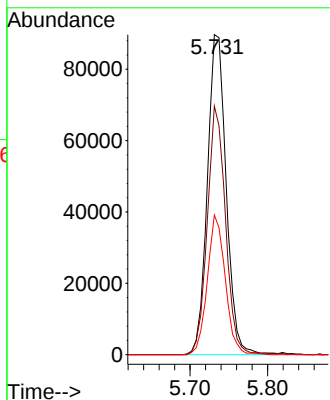
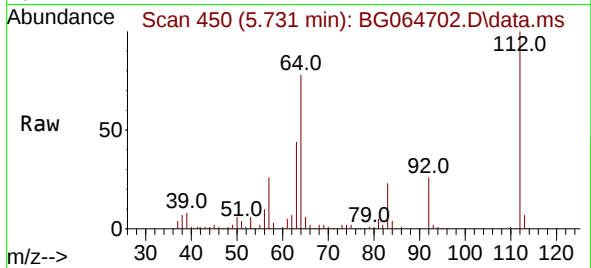




#5  
2-Fluorophenol  
Concen: 81.772 ng  
RT: 5.731 min Scan# 41  
Delta R.T. -0.018 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

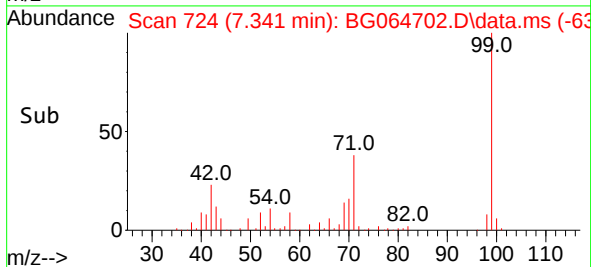
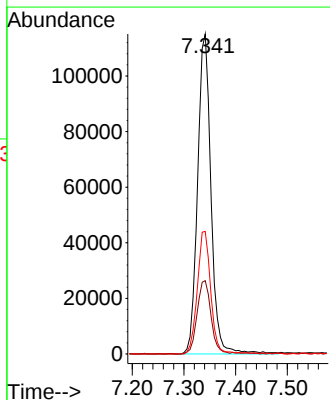
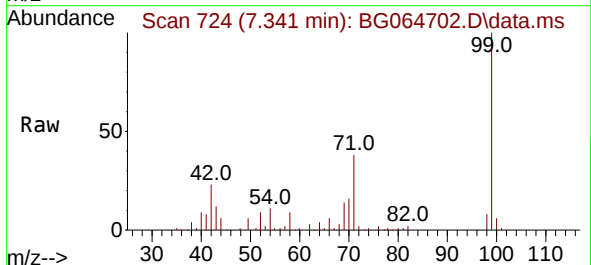
Instrument :  
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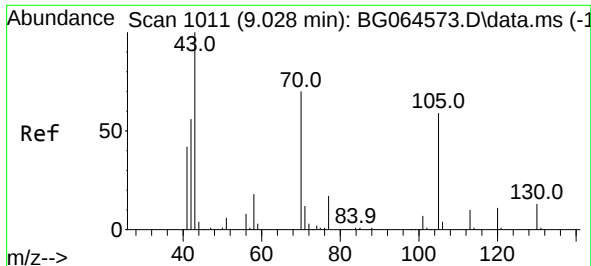
Tgt Ion:112 Resp: 151706  
Ion Ratio Lower Upper  
112 100  
64 77.7 60.7 91.1  
63 43.7 33.4 50.0



#7  
Phenol-d6  
Concen: 81.458 ng  
RT: 7.341 min Scan# 724  
Delta R.T. -0.012 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

Tgt Ion: 99 Resp: 207374  
Ion Ratio Lower Upper  
99 100  
42 22.9 18.3 27.5  
71 38.3 28.6 43.0

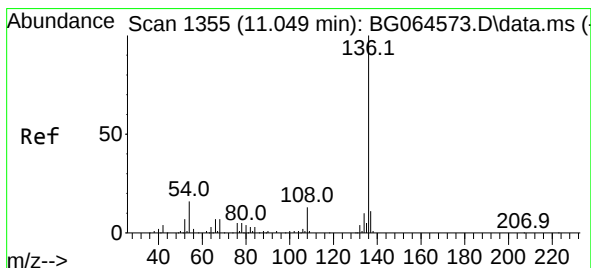
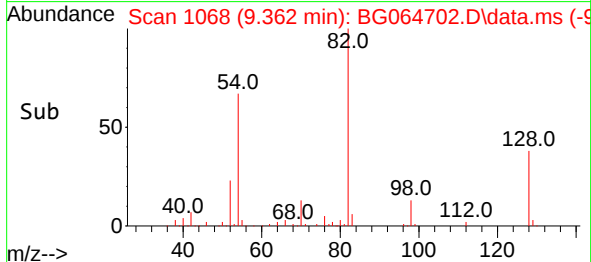
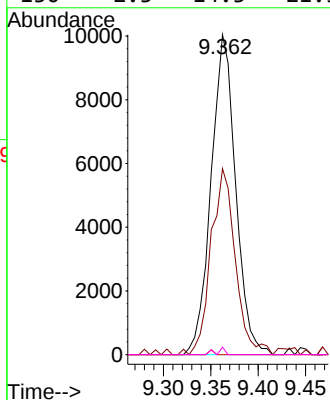
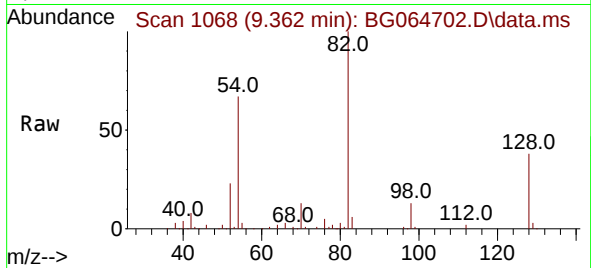




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.285 ng  
RT: 9.362 min Scan# 1068  
Delta R.T. 0.335 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

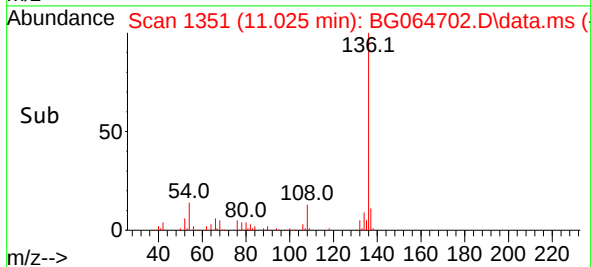
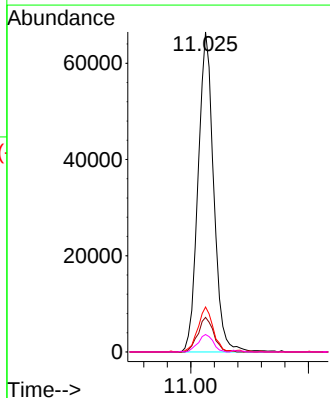
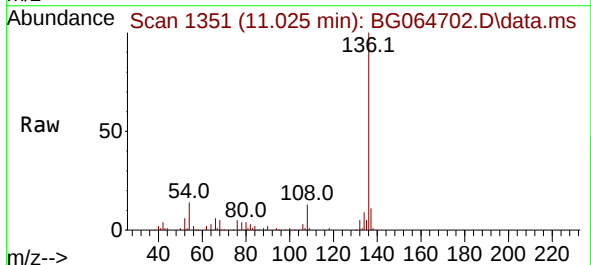
Instrument :  
BNA\_G  
ClientSampleId :  
TP-COMP

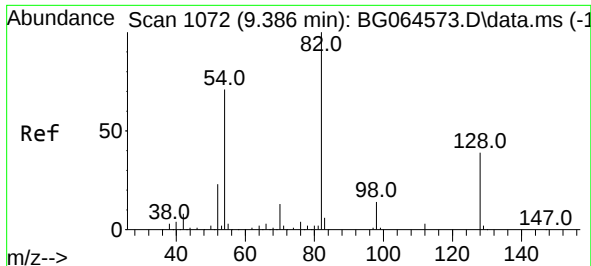
Tgt Ion: 70 Resp: 18095  
Ion Ratio Lower Upper  
70 100  
42 58.1 65.2 97.8#  
101 0.0 7.9 11.9#  
130 2.3 14.3 21.5#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.025 min Scan# 1351  
Delta R.T. -0.024 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

Tgt Ion:136 Resp: 122176  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.2 13.8  
54 14.1 12.6 19.0  
68 5.4 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 66.889 ng

RT: 9.362 min Scan# 11

Delta R.T. -0.024 min

Lab File: BG064702.D

Acq: 6 Nov 2025 14:25

Instrument :

BNA\_G

ClientSampleId :

TP-COMP

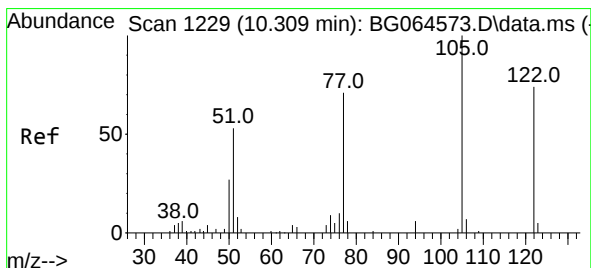
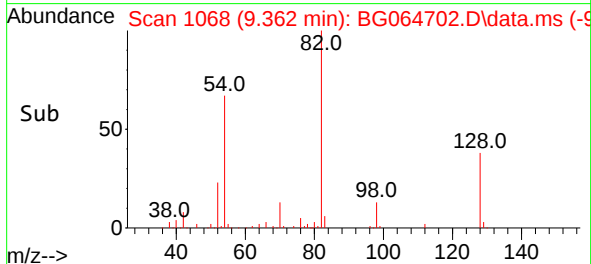
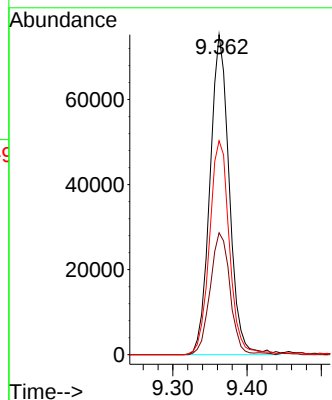
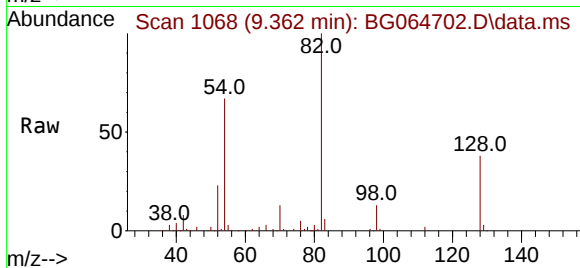
Tgt Ion: 82 Resp: 136061

Ion Ratio Lower Upper

82 100

128 38.1 31.3 46.9

54 66.9 56.6 84.8



#32

Benzoic acid

Concen: 4.900 ng

RT: 10.226 min Scan# 1215

Delta R.T. -0.083 min

Lab File: BG064702.D

Acq: 6 Nov 2025 14:25

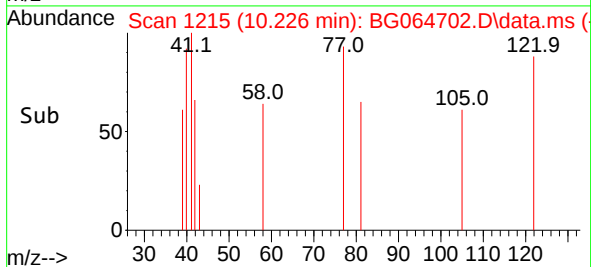
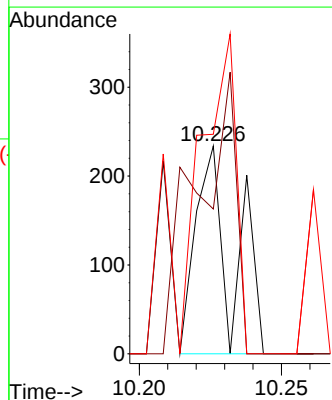
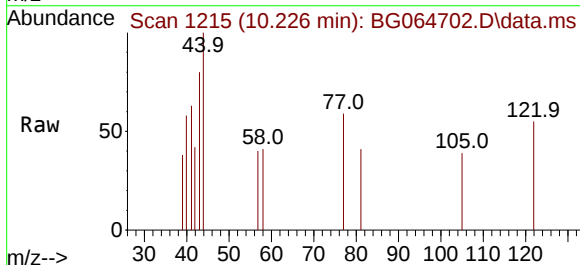
Tgt Ion:122 Resp: 210

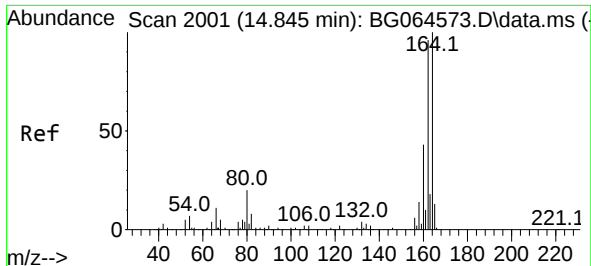
Ion Ratio Lower Upper

122 100

105 69.7 104.2 144.2#

77 105.6 70.2 110.2

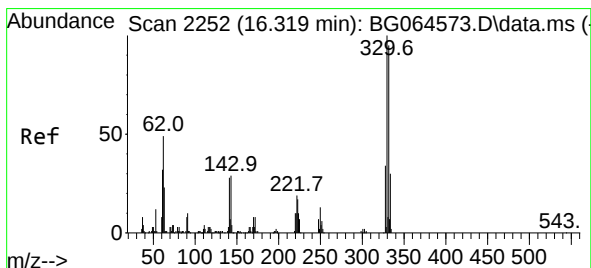
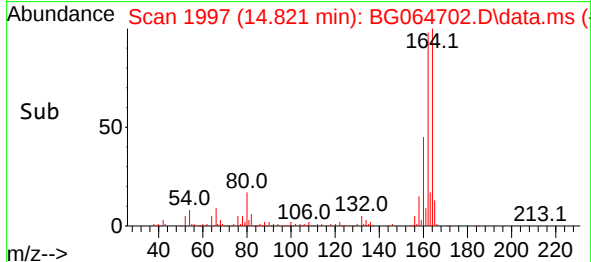
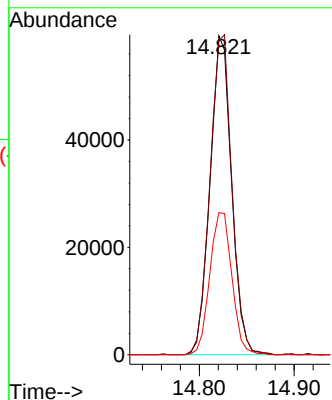
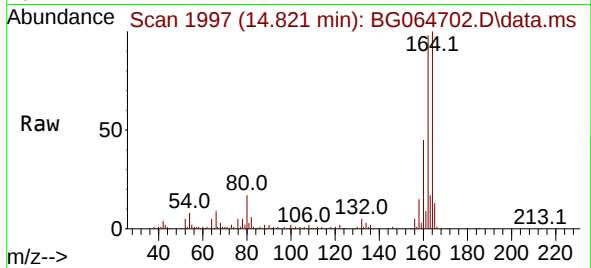




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.821 min Scan# 1997  
Delta R.T. -0.024 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

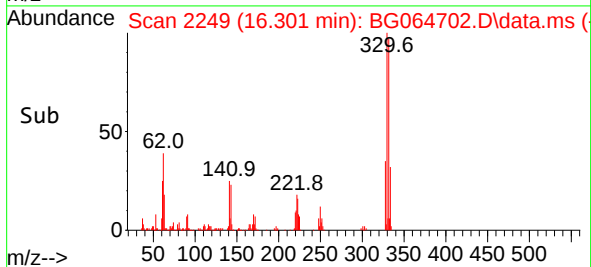
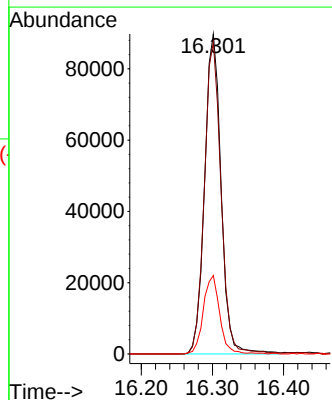
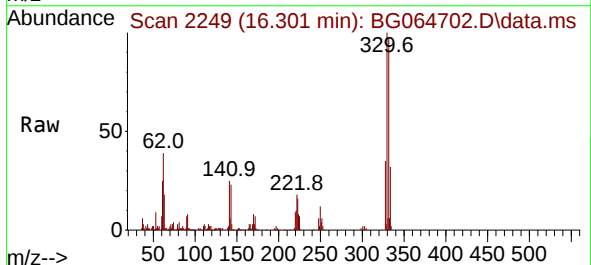
Instrument :  
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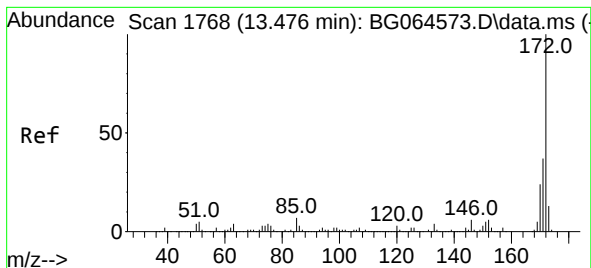
Tgt Ion:164 Resp: 93552  
Ion Ratio Lower Upper  
164 100  
162 98.4 77.0 115.6  
160 44.6 34.4 51.6



#42  
2,4,6-Tribromophenol  
Concen: 107.346 ng  
RT: 16.301 min Scan# 2249  
Delta R.T. -0.018 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

Tgt Ion:330 Resp: 144943  
Ion Ratio Lower Upper  
330 100  
332 98.1 78.0 117.0  
141 24.2 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 60.646 ng

RT: 13.452 min Scan# 1

Delta R.T. -0.024 min

Lab File: BG064702.D

Acq: 6 Nov 2025 14:25

Instrument :

BNA\_G

ClientSampleId :

TP-COMP

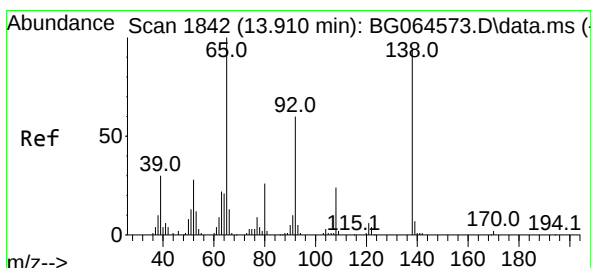
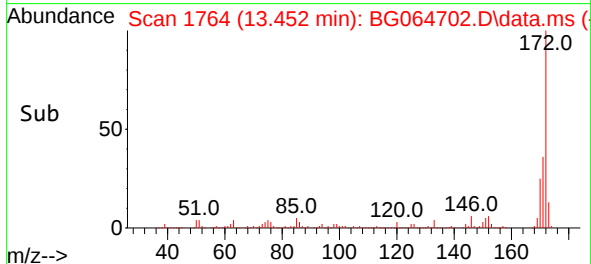
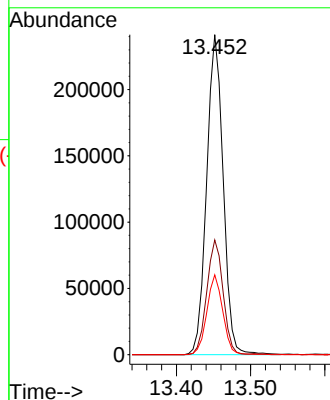
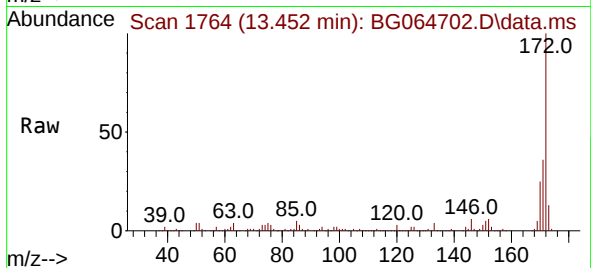
Tgt Ion:172 Resp: 374305

Ion Ratio Lower Upper

172 100

171 35.9 29.4 44.0

170 25.0 19.1 28.7



#48

2-Nitroaniline

Concen: 3.291 ng

RT: 13.751 min Scan# 1815

Delta R.T. -0.159 min

Lab File: BG064702.D

Acq: 6 Nov 2025 14:25

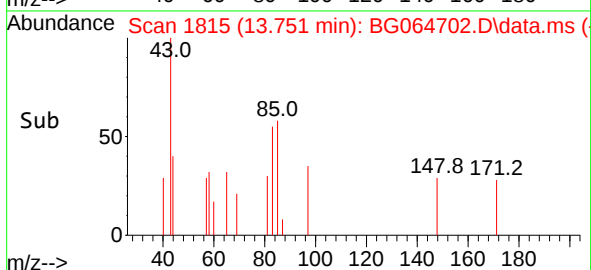
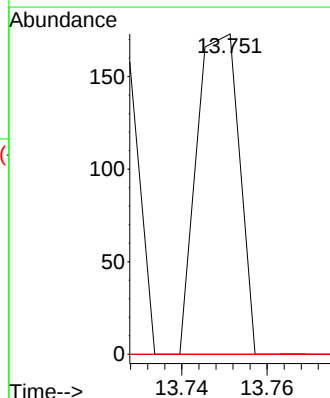
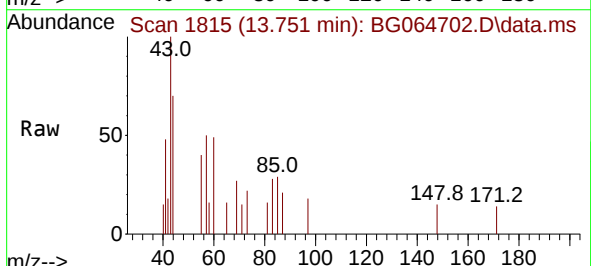
Tgt Ion: 65 Resp: 119

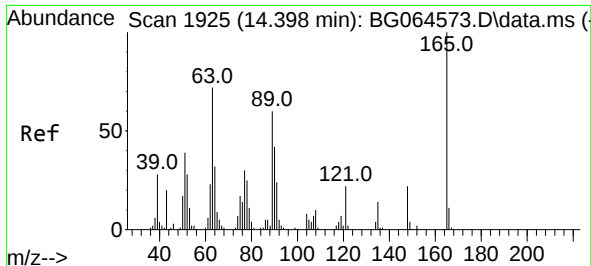
Ion Ratio Lower Upper

65 100

92 0.0 48.3 72.5#

138 0.0 74.9 112.3#

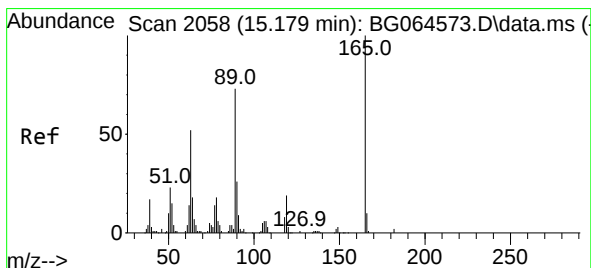
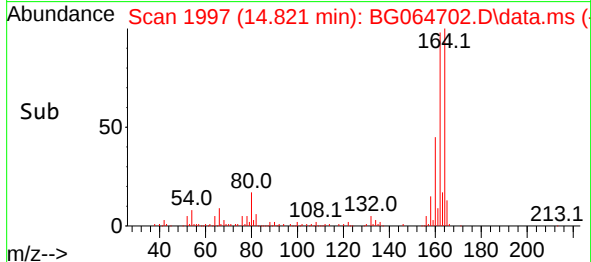
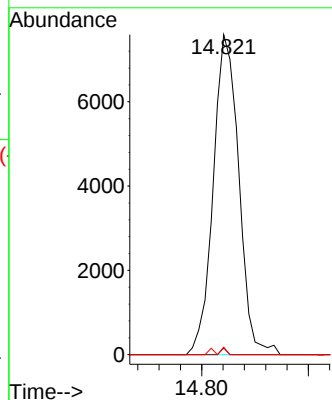
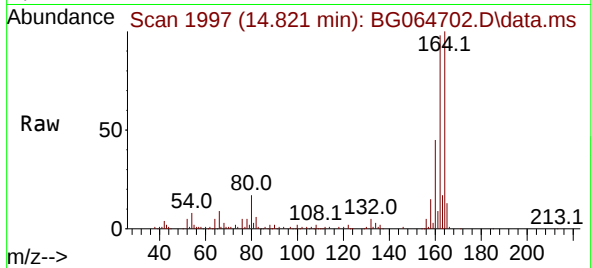




#51  
2,6-Dinitrotoluene  
Concen: 13.186 ng  
RT: 14.821 min Scan# 1925  
Delta R.T. 0.423 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

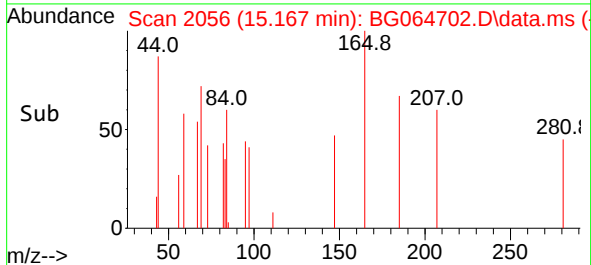
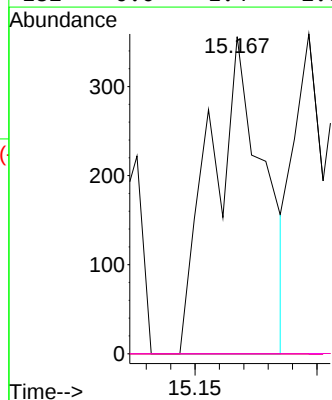
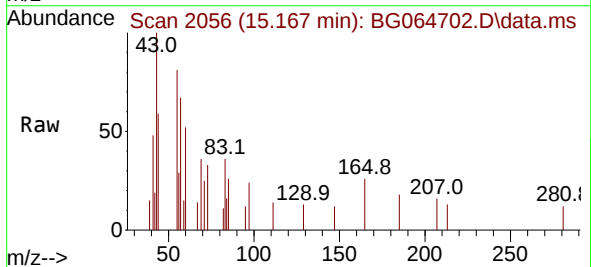
Instrument :  
BNA\_G  
ClientSampleId :  
TP-COMP

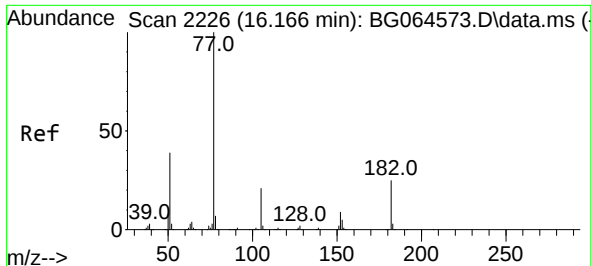
Tgt Ion:165 Resp: 12644  
Ion Ratio Lower Upper  
165 100  
63 2.1 57.4 86.0#  
89 2.4 47.8 71.8#



#57  
2,4-Dinitrotoluene  
Concen: 3.327 ng  
RT: 15.167 min Scan# 2056  
Delta R.T. -0.012 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

Tgt Ion:165 Resp: 539  
Ion Ratio Lower Upper  
165 100  
63 0.0 41.8 62.8#  
89 0.0 58.1 87.1#  
182 0.0 1.4 2.0#

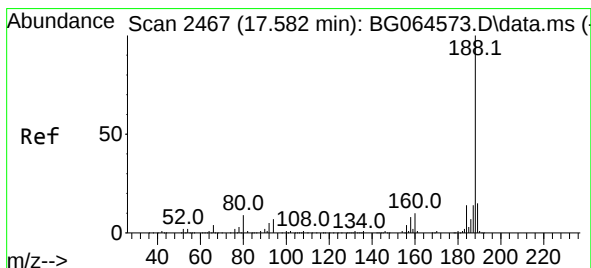
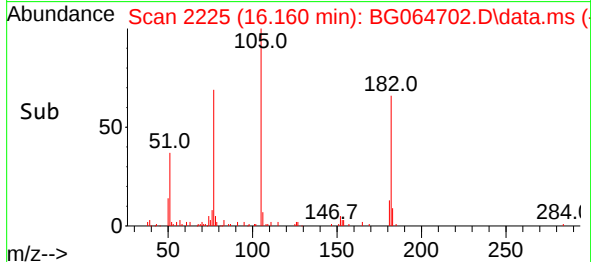
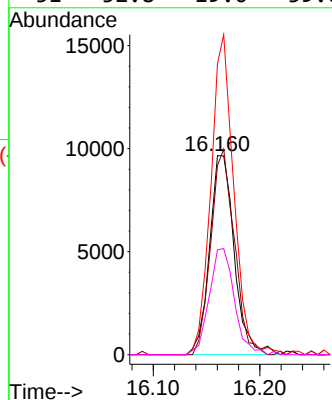
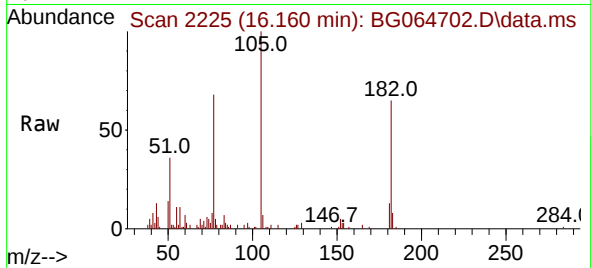




#63  
Azobenzene  
Concen: 2.328 ng  
RT: 16.160 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

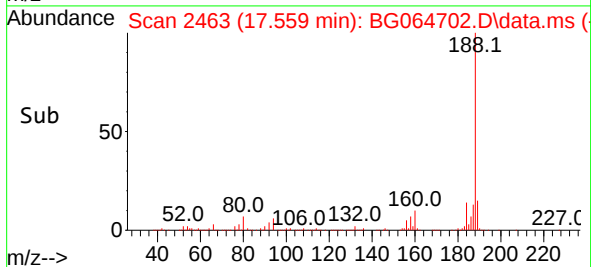
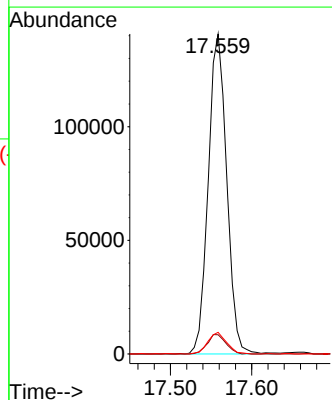
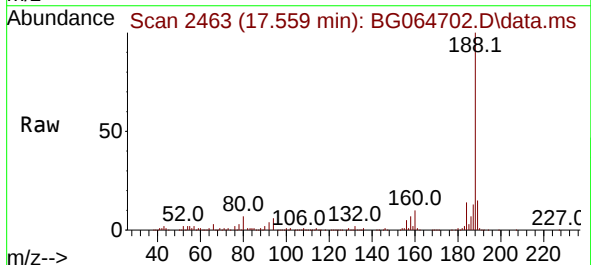
Instrument :  
BNA\_G  
ClientSampleId :  
TP-COMP

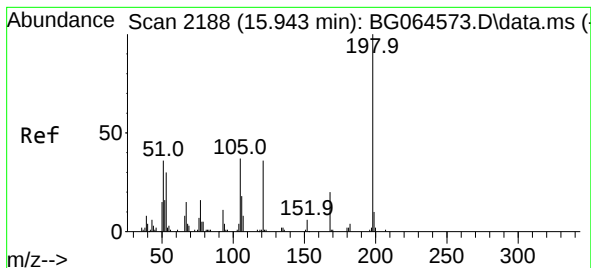
Tgt Ion: 77 Resp: 15615  
Ion Ratio Lower Upper  
77 100  
182 95.1 4.9 44.9#  
105 146.3 1.3 41.3#  
51 52.8 19.0 59.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.559 min Scan# 2463  
Delta R.T. -0.024 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

Tgt Ion: 188 Resp: 222156  
Ion Ratio Lower Upper  
188 100  
94 6.0 5.7 8.5  
80 6.8 6.8 10.2#

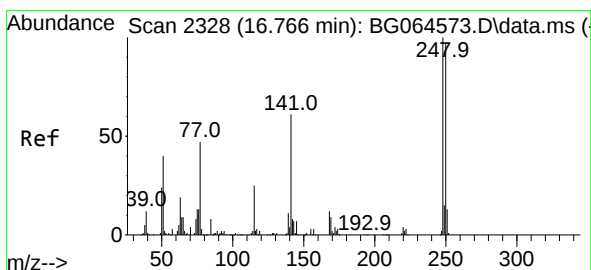
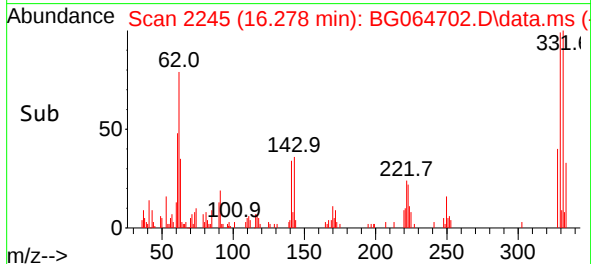
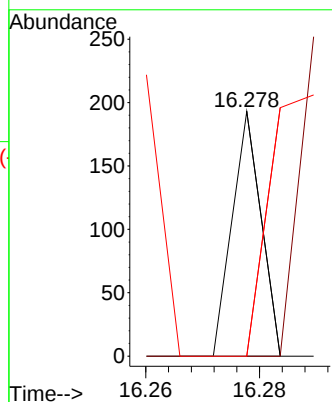
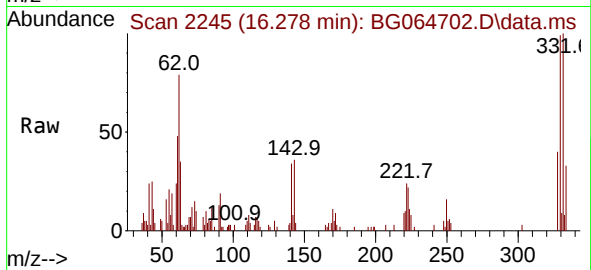




#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.488 ng  
RT: 16.278 min Scan# 2188  
Delta R.T. 0.335 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

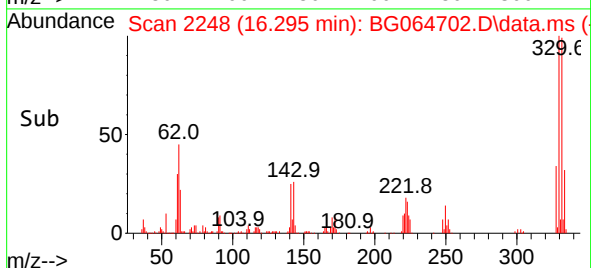
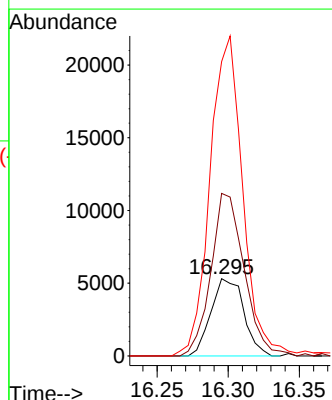
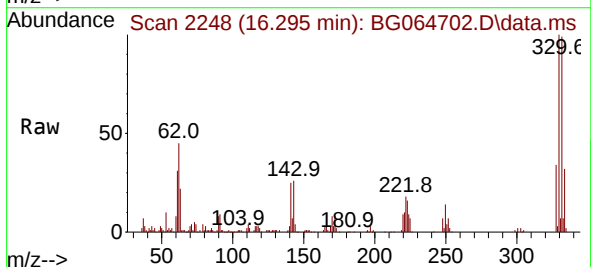
Instrument :  
BNA\_G  
ClientSampleId :  
TP-COMP

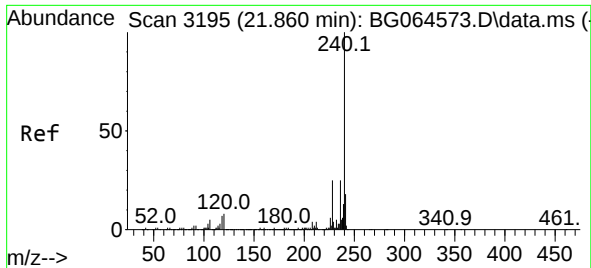
Tgt Ion:198 Resp: 68  
Ion Ratio Lower Upper  
198 100  
51 0.0 24.7 64.7#  
105 0.0 18.0 58.0#



#67  
4-Bromophenyl-phenylether  
Concen: 3.239 ng  
RT: 16.295 min Scan# 2248  
Delta R.T. -0.470 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

Tgt Ion:248 Resp: 8528  
Ion Ratio Lower Upper  
248 100  
250 207.4 77.7 116.5#  
141 286.6 48.6 72.8#

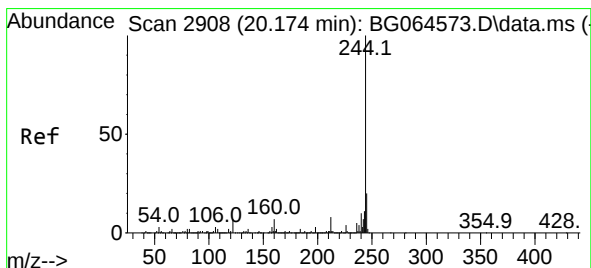
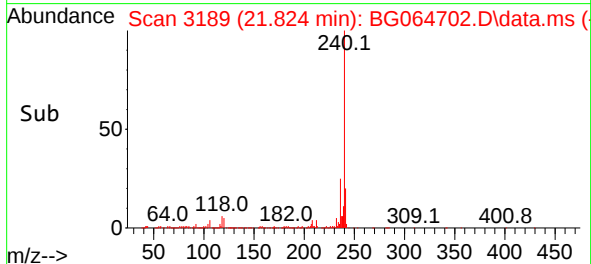
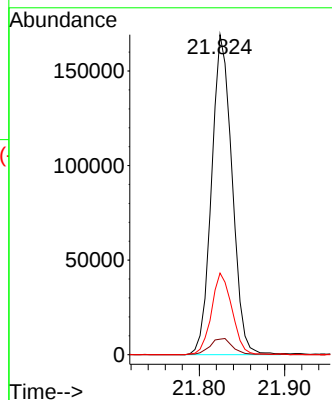
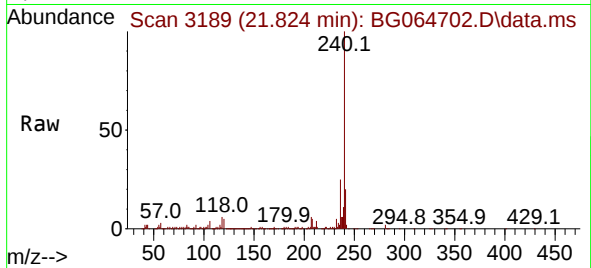




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.824 min Scan# 3195  
Delta R.T. -0.036 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

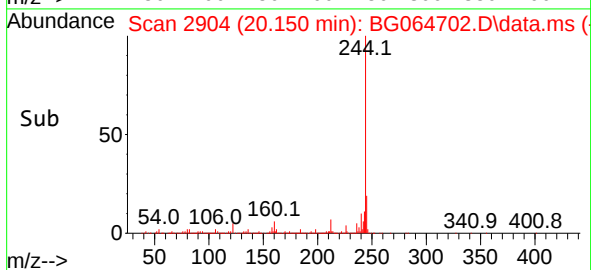
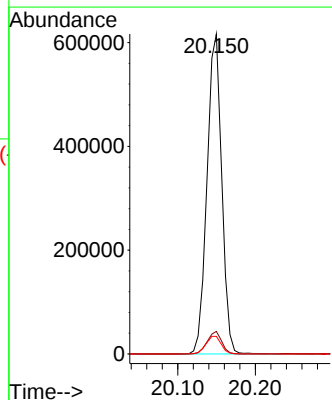
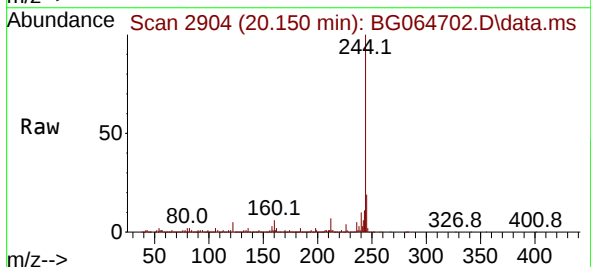
Instrument :  
BNA\_G  
ClientSampleId :  
TP-COMP

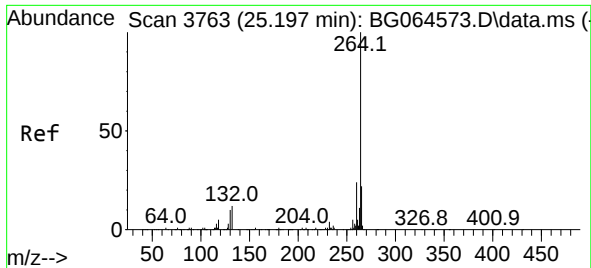
Tgt Ion:240 Resp: 282847  
Ion Ratio Lower Upper  
240 100  
120 4.9 6.5 9.7#  
236 25.5 20.2 30.2



#79  
Terphenyl-d14  
Concen: 54.360 ng  
RT: 20.150 min Scan# 2904  
Delta R.T. -0.024 min  
Lab File: BG064702.D  
Acq: 6 Nov 2025 14:25

Tgt Ion:244 Resp: 814744  
Ion Ratio Lower Upper  
244 100  
212 7.0 6.1 9.1  
122 5.5 5.6 8.4#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.150 min Scan# 31  
 Delta R.T. -0.047 min  
 Lab File: BG064702.D  
 Acq: 6 Nov 2025 14:25

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-COMP

Tgt Ion:264 Resp: 322658  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 19.0  | 28.4  |
| 265 | 21.3  | 17.6  | 26.4  |

