

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092225\  
 Data File : BG064428.D  
 Acq On : 22 Sep 2025 23:46  
 Operator : RC/JU  
 Sample : Q3153-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 23 01:55:10 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 28 17:41:58 2025  
 Response via : Initial Calibration

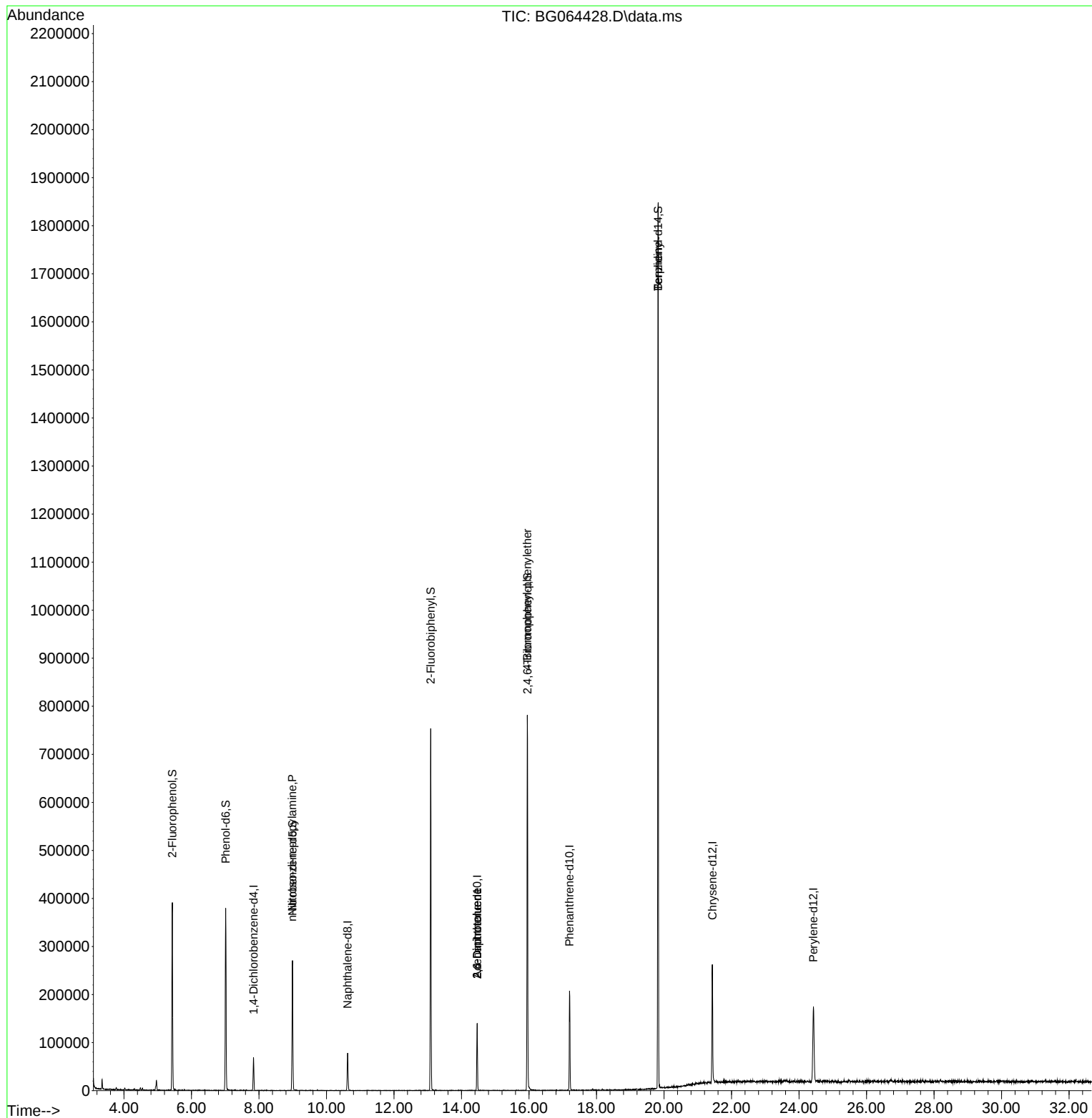
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.841  | 152  | 16109    | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8            | 10.626 | 136  | 64339    | 20.000  | ng    | #-0.02   |
| 39) Acenaphthene-d10          | 14.463 | 164  | 49205    | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 17.201 | 188  | 124609   | 20.000  | ng    | #-0.02   |
| 76) Chrysene-d12              | 21.431 | 240  | 150806   | 20.000  | ng    | #-0.02   |
| 86) Perylene-d12              | 24.428 | 264  | 162981   | 20.000  | ng    | -0.04    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.432  | 112  | 139347   | 155.194 | ng    | -0.01    |
| 7) Phenol-d6                  | 7.013  | 99   | 166646   | 135.095 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 8.993  | 82   | 138893   | 120.395 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 15.955 | 330  | 146520   | 224.813 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 13.088 | 172  | 356572   | 110.610 | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.827 | 244  | 879673   | 121.700 | ng    | -0.02    |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 8.987  | 70   | 19992    | 21.176  | ng    | # 77     |
| 51) 2,6-Dinitrotoluene        | 14.463 | 165  | 6452     | 8.948   | ng    | # 14     |
| 57) 2,4-Dinitrotoluene        | 14.463 | 165  | 6452     | 5.918   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 15.949 | 248  | 9885     | 7.469   | ng    | # 1      |
| 77) Benzidine                 | 19.827 | 184  | 18459    | 5.819   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

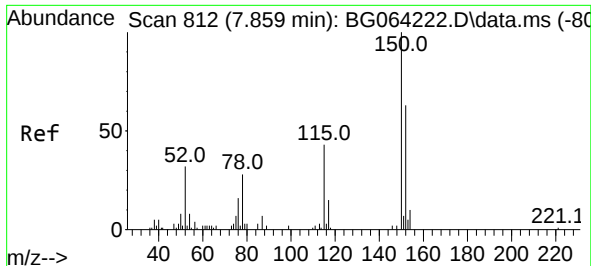
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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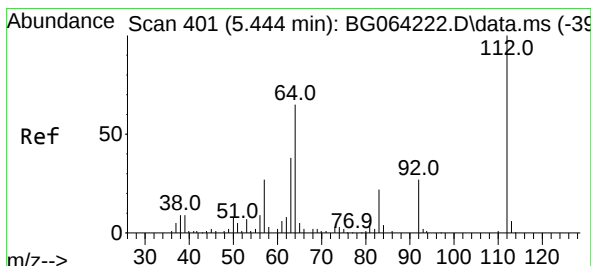
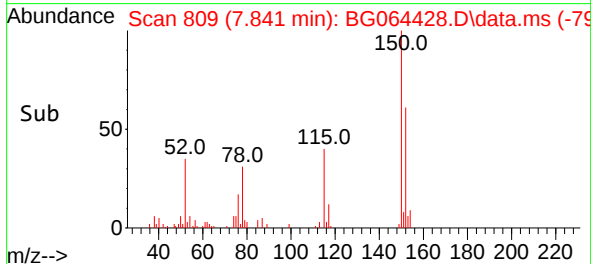
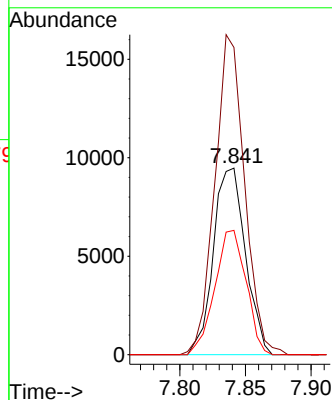
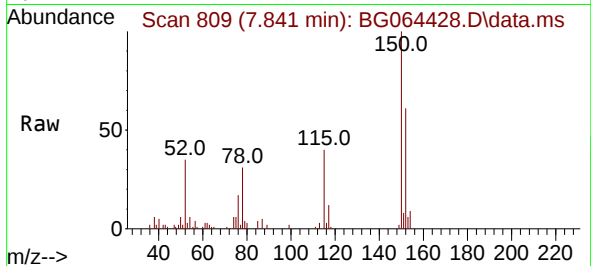




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.841 min Scan# 809  
Delta R.T. -0.018 min  
Lab File: BG064428.D  
Acq: 22 Sep 2025 23:46

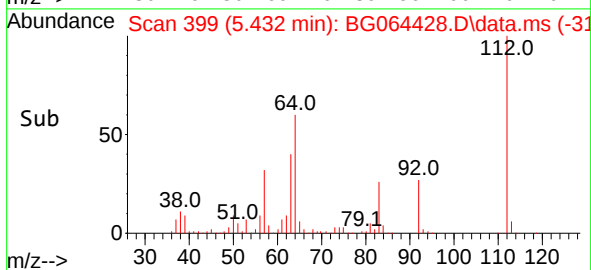
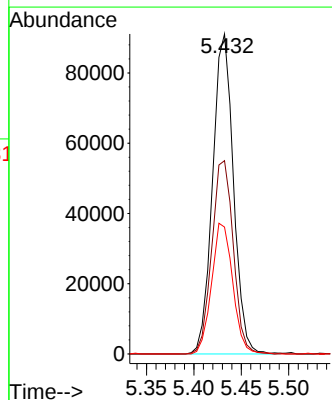
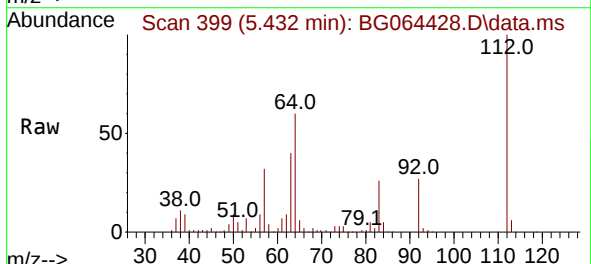
Instrument :  
BNA\_G  
ClientSampleId :

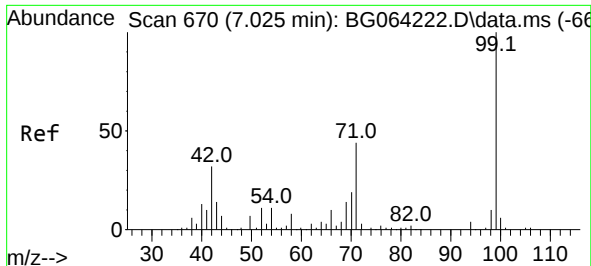
Tgt Ion:152 Resp: 16109  
Ion Ratio Lower Upper  
152 100  
150 164.6 128.0 192.0  
115 66.6 55.7 83.5



#5  
2-Fluorophenol  
Concen: 155.194 ng  
RT: 5.432 min Scan# 399  
Delta R.T. -0.012 min  
Lab File: BG064428.D  
Acq: 22 Sep 2025 23:46

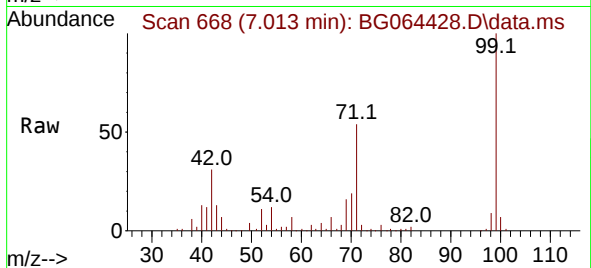
Tgt Ion:112 Resp: 139347  
Ion Ratio Lower Upper  
112 100  
64 60.4 51.8 77.6  
63 39.7 30.6 45.8



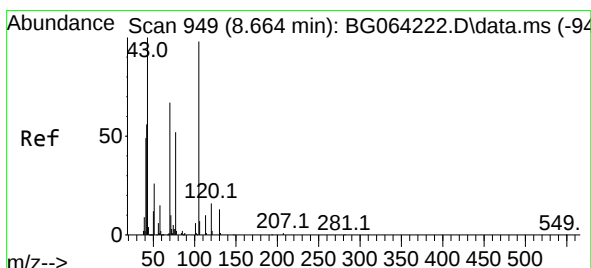
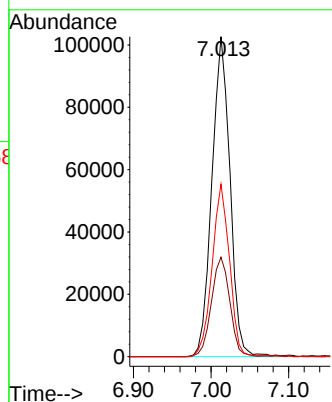
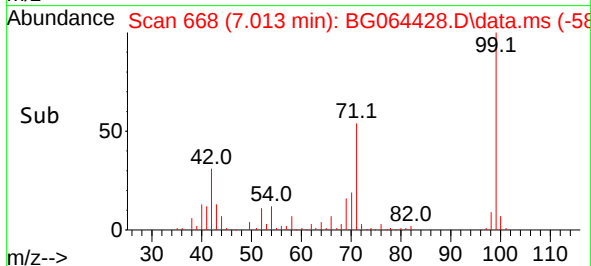


#7  
Phenol-d6  
Concen: 135.095 ng  
RT: 7.013 min Scan# 60  
Delta R.T. -0.018 min  
Lab File: BG064428.D  
Acq: 22 Sep 2025 23:46

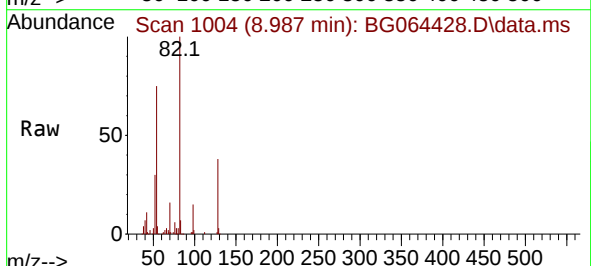
Instrument :  
BNA\_G  
ClientSampleId :



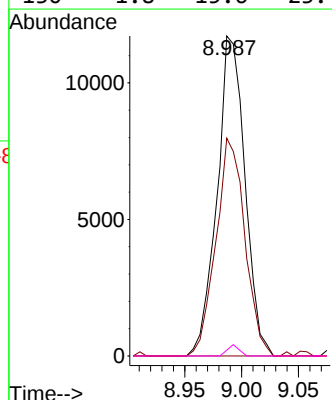
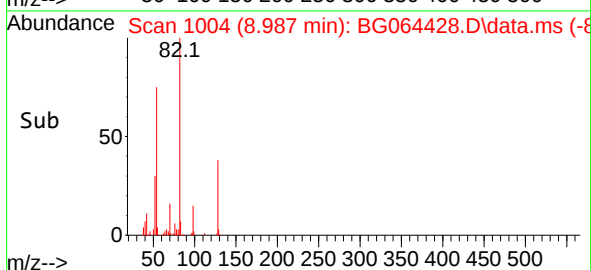
Tgt Ion: 99 Resp: 166646  
Ion Ratio Lower Upper  
99 100  
42 31.1 25.8 38.8  
71 53.9 35.2 52.8#

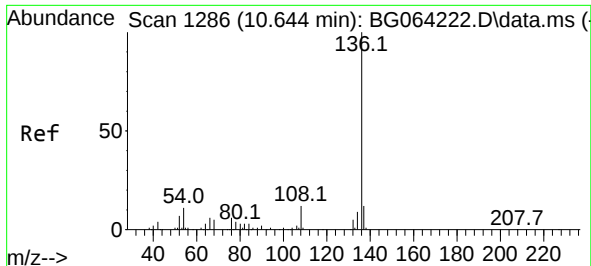


#19  
n-Nitroso-di-n-propylamine  
Concen: 21.176 ng  
RT: 8.987 min Scan# 1004  
Delta R.T. 0.323 min  
Lab File: BG064428.D  
Acq: 22 Sep 2025 23:46



Tgt Ion: 70 Resp: 19992  
Ion Ratio Lower Upper  
70 100  
42 68.0 67.9 101.9  
101 0.0 7.3 10.9#  
130 1.8 15.6 23.4#

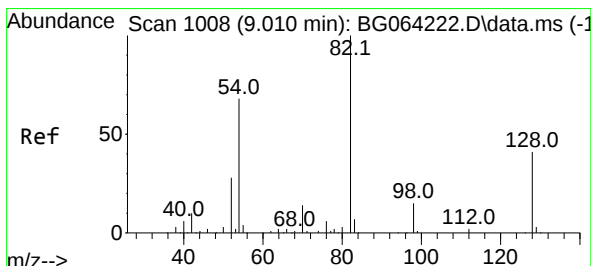
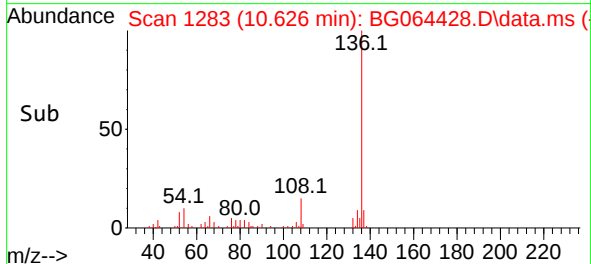
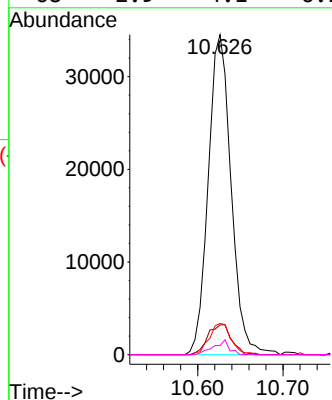
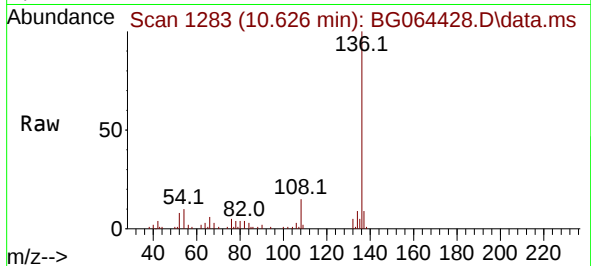




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.626 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: BG064428.D  
Acq: 22 Sep 2025 23:46

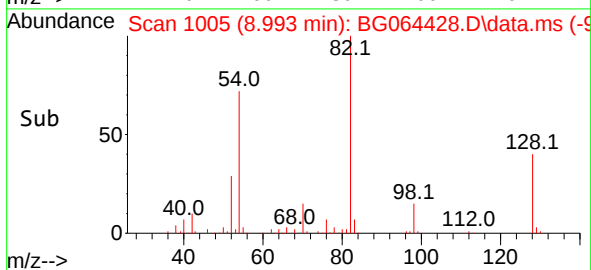
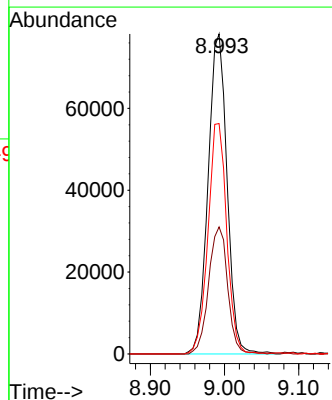
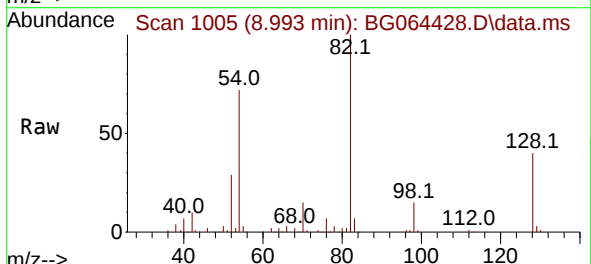
Instrument :  
BNA\_G  
ClientSampleId :

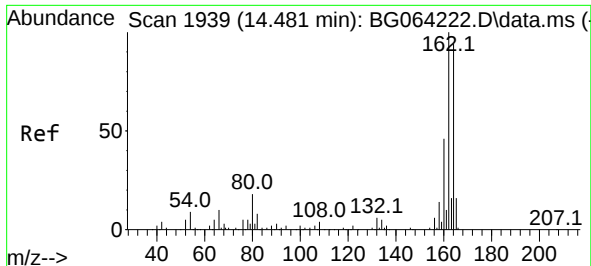
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 64339 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 9.3   | 9.6   | 14.4# |
| 54        | 9.8   | 8.8   | 13.2  |
| 68        | 2.9   | 4.1   | 6.1#  |



#23  
Nitrobenzene-d5  
Concen: 120.395 ng  
RT: 8.993 min Scan# 1005  
Delta R.T. -0.024 min  
Lab File: BG064428.D  
Acq: 22 Sep 2025 23:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 138893 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 39.7  | 32.6  | 48.8   |
| 54        | 72.0  | 54.7  | 82.1   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1936

Delta R.T. -0.018 min

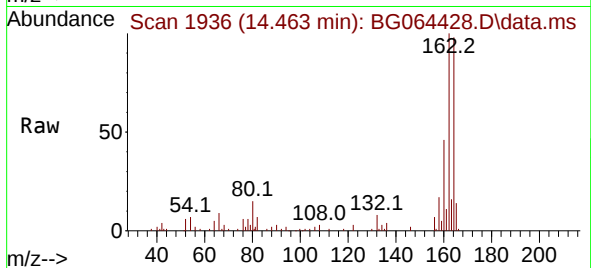
Lab File: BG064428.D

Acq: 22 Sep 2025 23:46

Instrument :

BNA\_G

ClientSampleId :



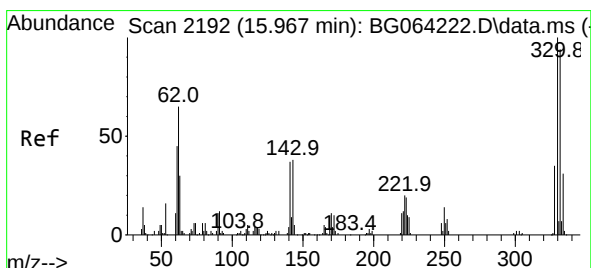
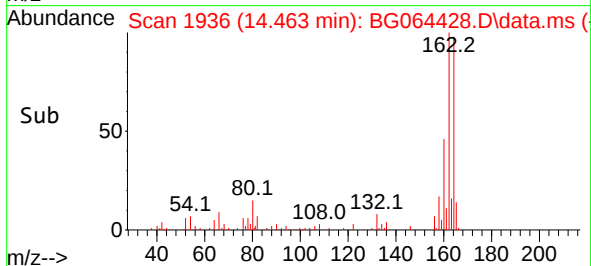
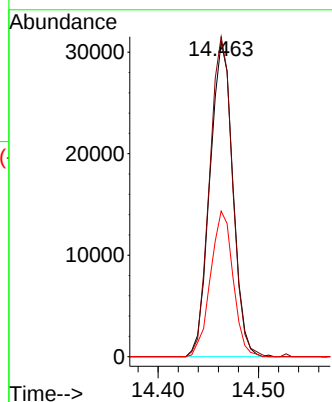
Tgt Ion:164 Resp: 49205

Ion Ratio Lower Upper

164 100

162 101.6 85.4 128.0

160 46.2 39.2 58.8



#42

2,4,6-Tribromophenol

Concen: 224.813 ng

RT: 15.955 min Scan# 2190

Delta R.T. -0.018 min

Lab File: BG064428.D

Acq: 22 Sep 2025 23:46

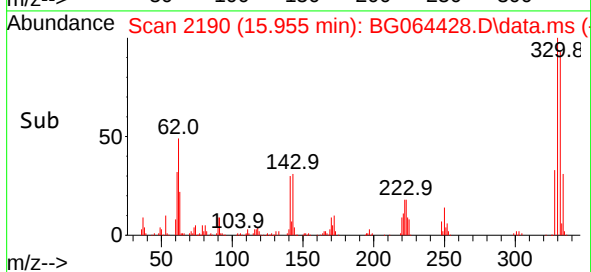
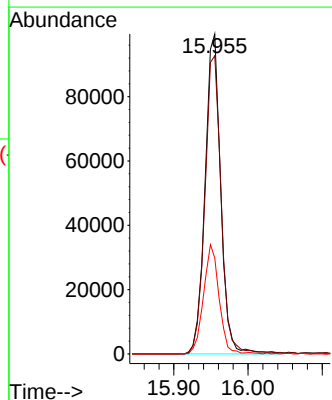
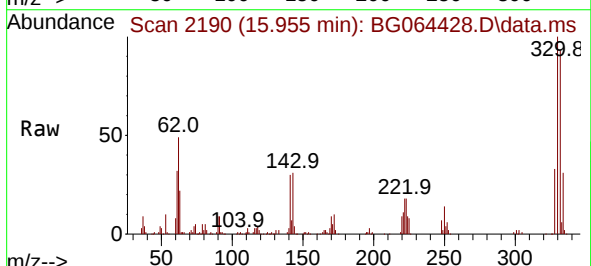
Tgt Ion:330 Resp: 146520

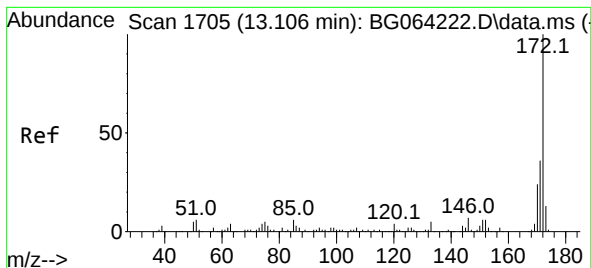
Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

141 33.7 29.8 44.6





#45

2-Fluorobiphenyl

Concen: 110.610 ng

RT: 13.088 min Scan# 1

Delta R.T. -0.024 min

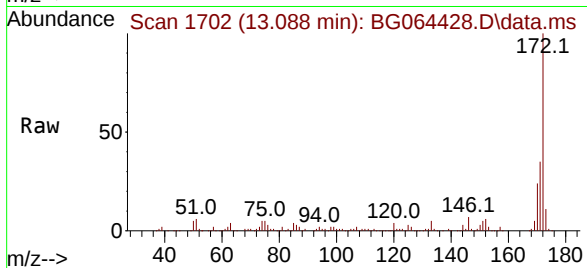
Lab File: BG064428.D

Acq: 22 Sep 2025 23:46

Instrument :

BNA\_G

ClientSampleId :



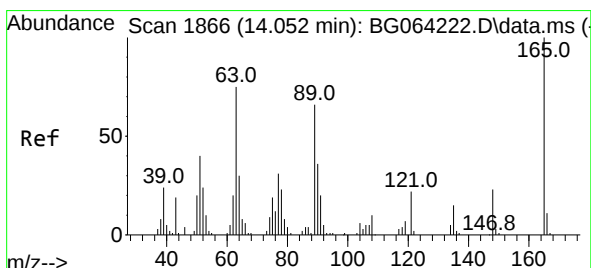
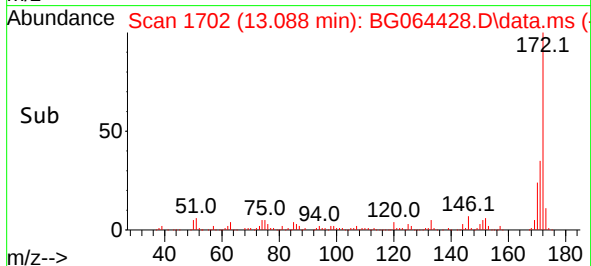
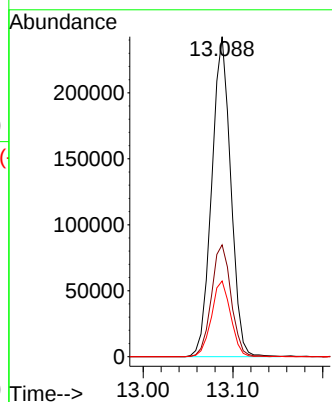
Tgt Ion:172 Resp: 356572

Ion Ratio Lower Upper

172 100

171 35.0 28.7 43.1

170 23.7 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.948 ng

RT: 14.463 min Scan# 1936

Delta R.T. 0.405 min

Lab File: BG064428.D

Acq: 22 Sep 2025 23:46

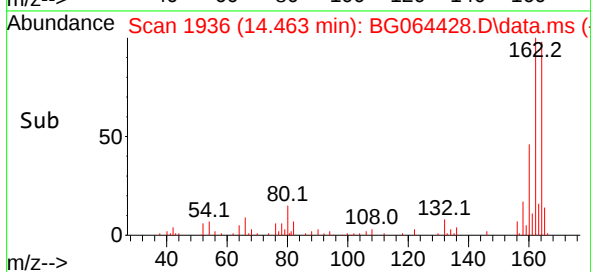
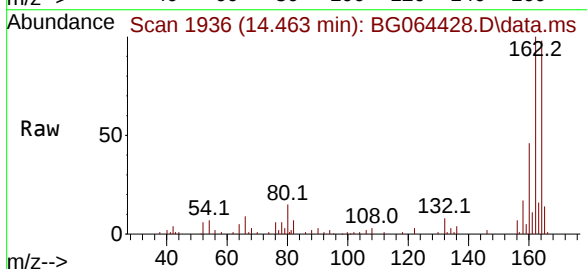
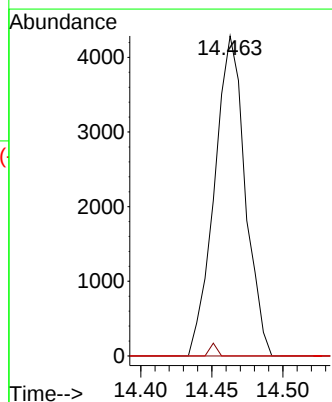
Tgt Ion:165 Resp: 6452

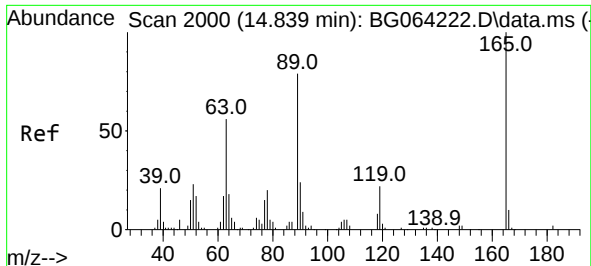
Ion Ratio Lower Upper

165 100

63 0.0 60.3 90.5#

89 0.0 52.9 79.3#





#57

2,4-Dinitrotoluene

Concen: 5.918 ng

RT: 14.463 min Scan# 1936

Delta R.T. -0.382 min

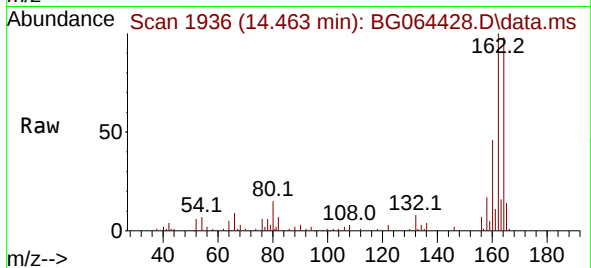
Lab File: BG064428.D

Acq: 22 Sep 2025 23:46

Instrument :

BNA\_G

ClientSampleId :



Tgt Ion:165 Resp: 6452

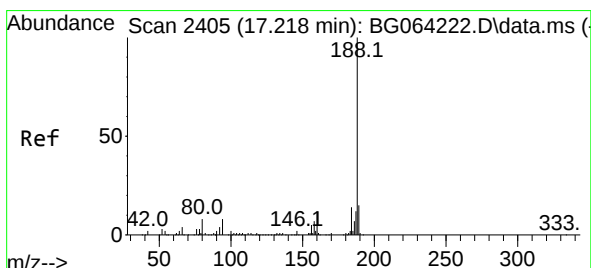
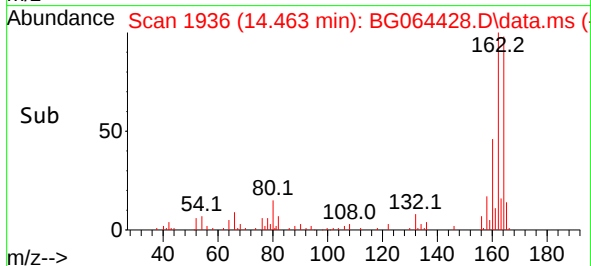
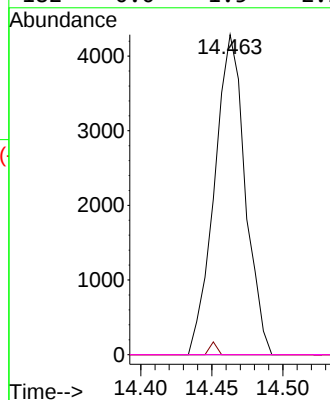
Ion Ratio Lower Upper

165 100

63 0.0 44.6 67.0#

89 0.0 63.0 94.4#

182 0.0 1.5 2.3#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.201 min Scan# 2402

Delta R.T. -0.024 min

Lab File: BG064428.D

Acq: 22 Sep 2025 23:46

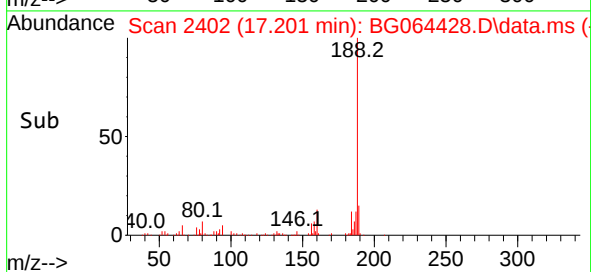
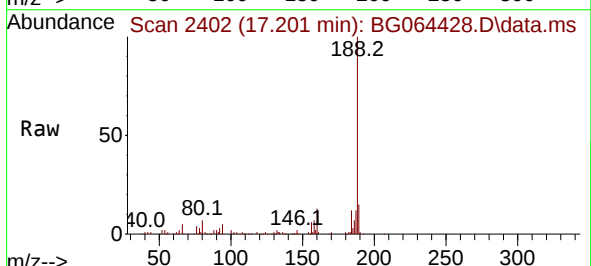
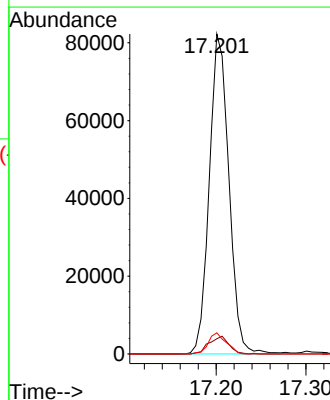
Tgt Ion:188 Resp: 124609

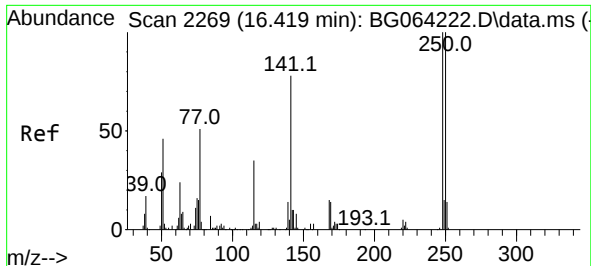
Ion Ratio Lower Upper

188 100

94 4.8 6.2 9.4#

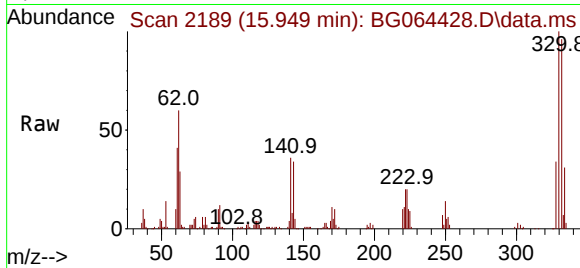
80 6.6 6.8 10.2#



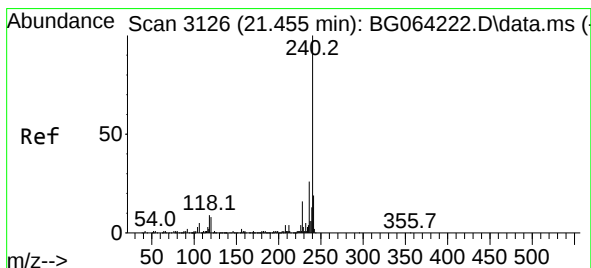
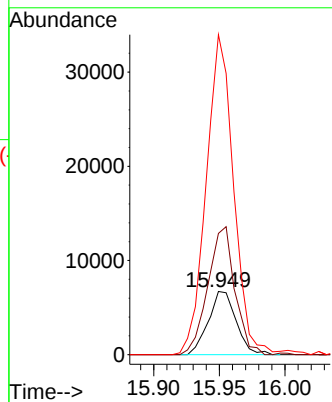
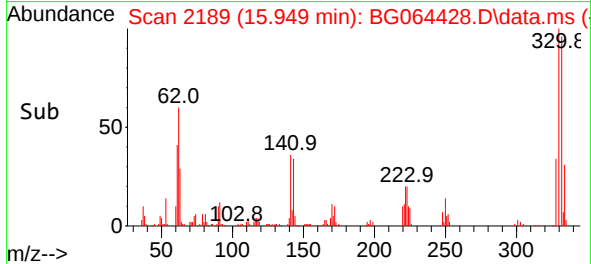


#67  
4-Bromophenyl-phenylether  
Concen: 7.469 ng  
RT: 15.949 min Scan# 2119  
Delta R.T. -0.470 min  
Lab File: BG064428.D  
Acq: 22 Sep 2025 23:46

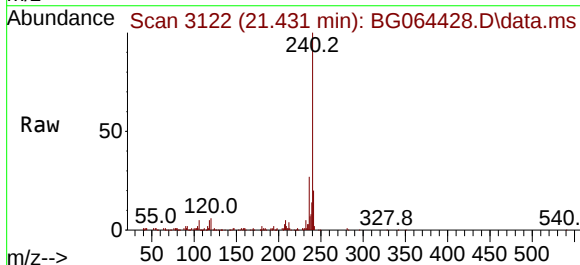
Instrument :  
BNA\_G  
ClientSampleId :



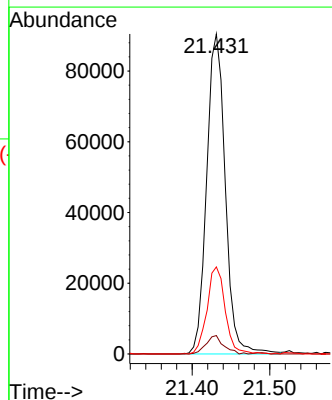
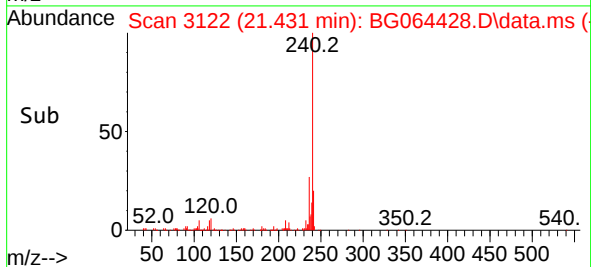
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Ion Ratio Lower Upper  
248 100  
250 191.7 80.2 120.4#  
141 505.8 62.4 93.6#

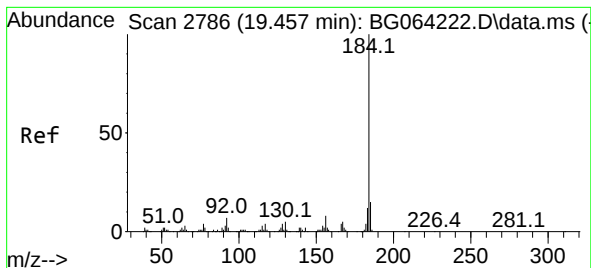


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.431 min Scan# 3122  
Delta R.T. -0.024 min  
Lab File: BG064428.D  
Acq: 22 Sep 2025 23:46



Tgt Ion:240 Resp: 150806  
Ion Ratio Lower Upper  
240 100  
120 5.7 6.2 9.4#  
236 27.2 20.5 30.7





#77

Benzidine

Concen: 5.819 ng

RT: 19.827 min Scan# 2849

Delta R.T. 0.370 min

Lab File: BG064428.D

Acq: 22 Sep 2025 23:46

Instrument :

BNA\_G

ClientSampleId :

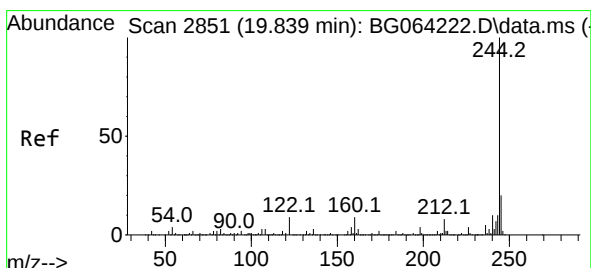
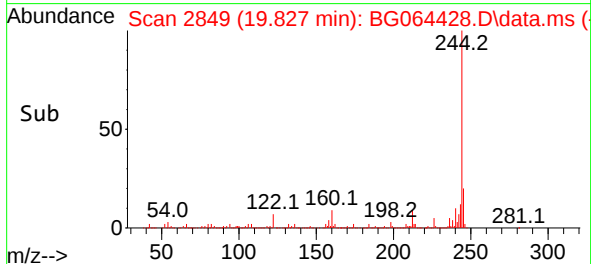
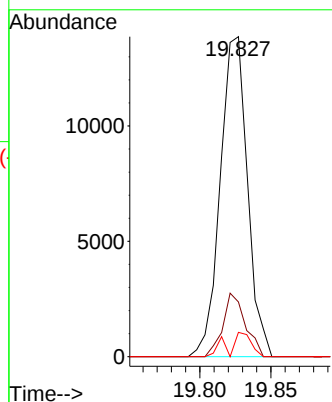
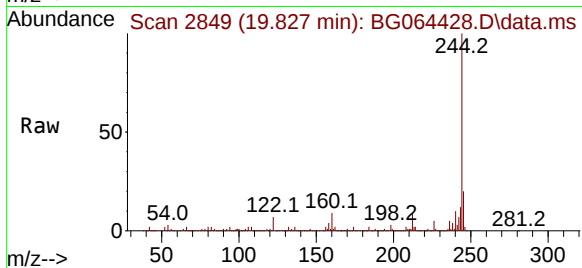
Tgt Ion:184 Resp: 18459

Ion Ratio Lower Upper

184 100

185 17.1 11.7 17.5

183 7.6 9.7 14.5#



#79

Terphenyl-d14

Concen: 121.700 ng

RT: 19.827 min Scan# 2849

Delta R.T. -0.018 min

Lab File: BG064428.D

Acq: 22 Sep 2025 23:46

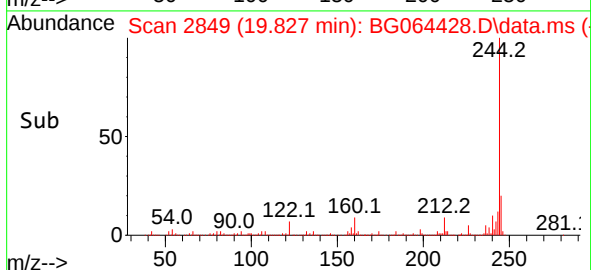
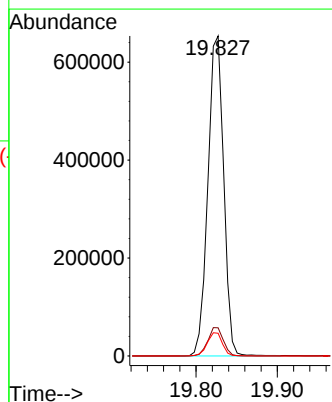
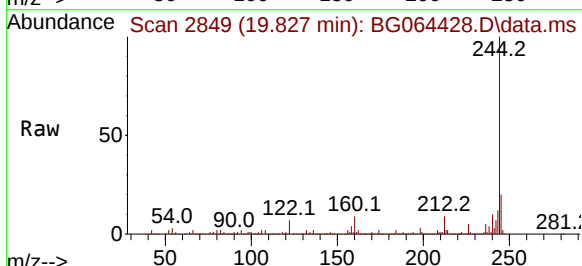
Tgt Ion:244 Resp: 879673

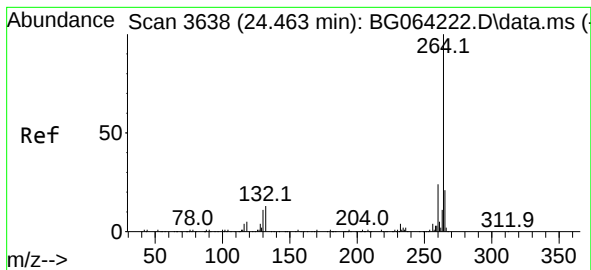
Ion Ratio Lower Upper

244 100

212 8.8 6.6 10.0

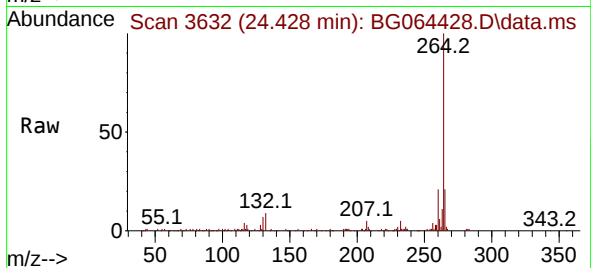
122 7.1 7.0 10.6





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.428 min Scan# 30  
 Delta R.T. -0.036 min  
 Lab File: BG064428.D  
 Acq: 22 Sep 2025 23:46

Instrument :  
 BNA\_G  
 ClientSampleId :



Tgt Ion:264 Resp: 162981  
 Ion Ratio Lower Upper  
 264 100  
 260 21.0 18.9 28.3  
 265 20.6 16.7 25.1

