

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092925\  
 Data File : BG064466.D  
 Acq On : 29 Sep 2025 19:19  
 Operator : RC/JU  
 Sample : Q3181-11  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-A3-03-C

Quant Time: Sep 30 06:57:14 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG092525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 29 18:04:12 2025  
 Response via : Initial Calibration

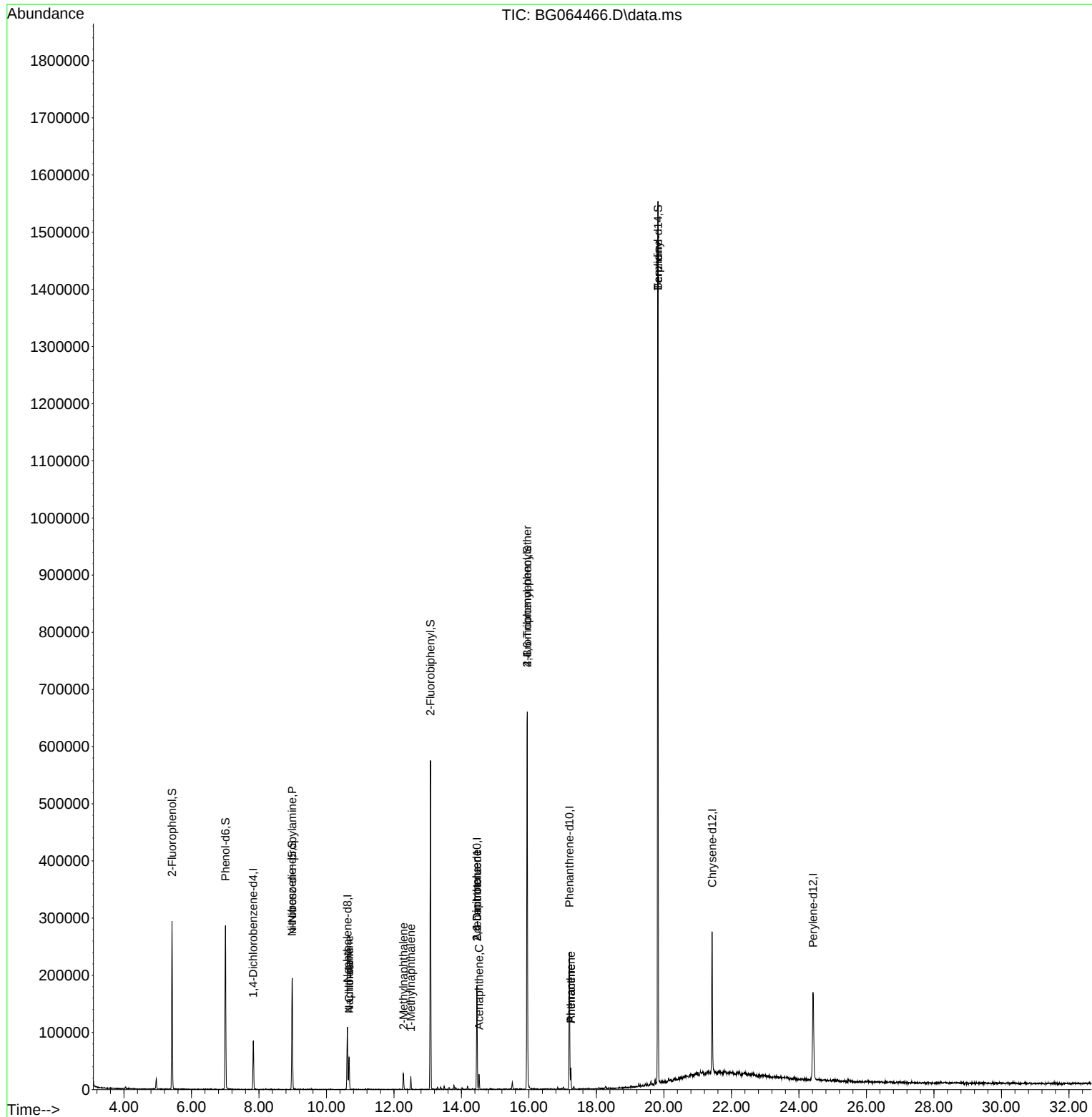
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.829  | 152  | 22344    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.620 | 136  | 85089    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.457 | 164  | 59899    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.201 | 188  | 139498   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.425 | 240  | 147376   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.416 | 264  | 163343   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.426  | 112  | 106304   | 90.916  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.007  | 99   | 131265   | 81.944  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.981  | 82   | 101021   | 64.342  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.949 | 330  | 131617   | 125.866 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.082 | 172  | 272590   | 67.200  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.821 | 244  | 714015   | 95.506  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 8.987  | 70   | 15441    | 14.261  | ng    | # 66     |
| 31) Naphthalene               | 10.673 | 128  | 45329    | 10.204  | ng    | # 94     |
| 33) 4-Chloroaniline           | 10.667 | 127  | 6201     | 3.816   | ng    | # 42     |
| 37) 2-Methylnaphthalene       | 12.283 | 142  | 13670    | 4.075   | ng    | 85       |
| 38) 1-Methylnaphthalene       | 12.500 | 142  | 10408    | 3.158   | ng    | # 93     |
| 51) 2,6-Dinitrotoluene        | 14.457 | 165  | 8846     | 9.204   | ng    | # 21     |
| 52) Acenaphthene              | 14.522 | 154  | 10295    | 3.129   | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 14.457 | 165  | 8846     | 6.029   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 15.949 | 248  | 9046     | 5.534   | ng    | # 1      |
| 71) Phenanthrene              | 17.242 | 178  | 22922    | 3.161   | ng    | 98       |
| 72) Anthracene                | 17.242 | 178  | 22922    | 3.104   | ng    | 98       |
| 77) Benzidine                 | 19.821 | 184  | 13857    | 3.591   | ng    | 96       |
| -----                         |        |      |          |         |       |          |

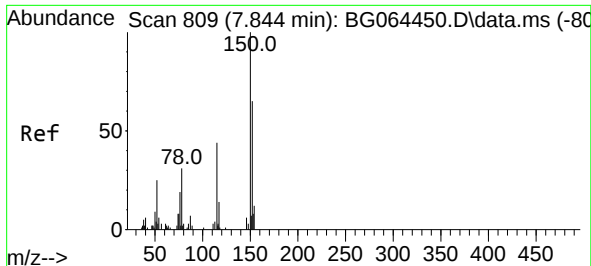
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092925\  
Data File : BG064466.D  
Acq On : 29 Sep 2025 19:19  
Operator : RC/JU  
Sample : Q3181-11  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

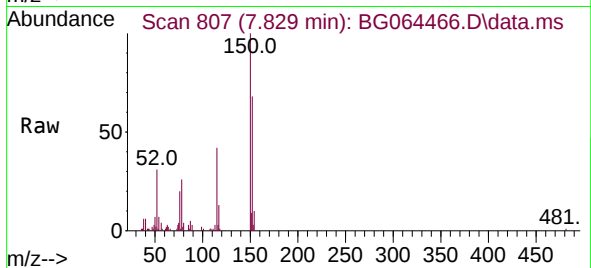
Quant Time: Sep 30 06:57:14 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG092525.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 29 18:04:12 2025  
Response via : Initial Calibration



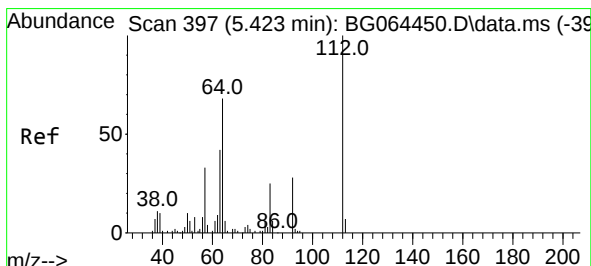
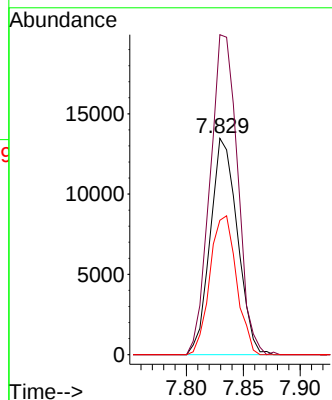
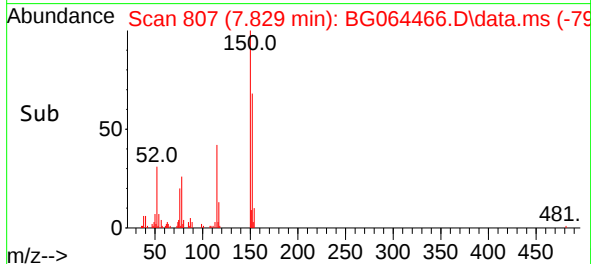


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.829 min Scan# 809  
Delta R.T. -0.015 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

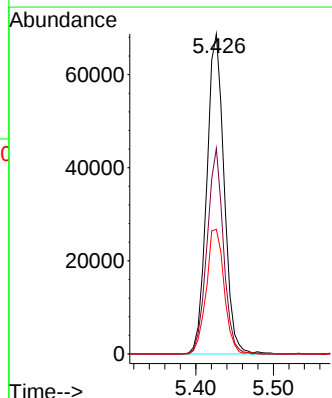
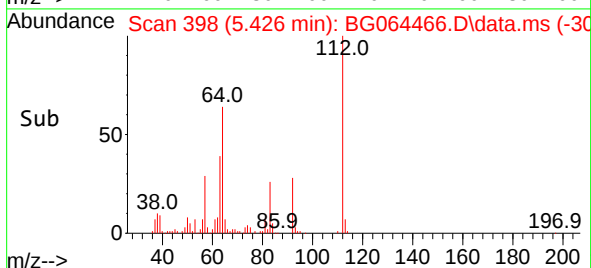
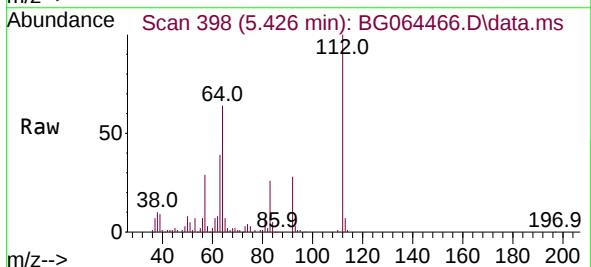


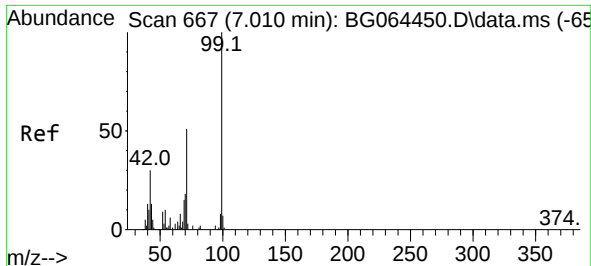
Tgt Ion:152 Resp: 22344  
Ion Ratio Lower Upper  
152 100  
150 147.9 122.9 184.3  
115 62.1 54.3 81.5



#5  
2-Fluorophenol  
Concen: 90.916 ng  
RT: 5.426 min Scan# 398  
Delta R.T. 0.003 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Tgt Ion:112 Resp: 106304  
Ion Ratio Lower Upper  
112 100  
64 64.2 54.0 81.0  
63 38.9 33.8 50.6

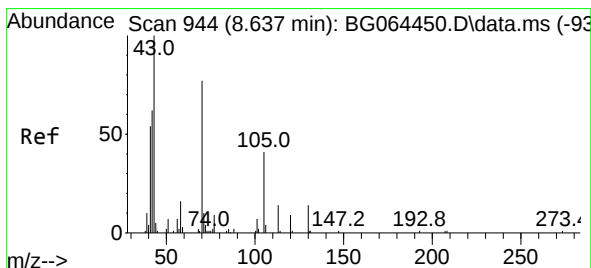
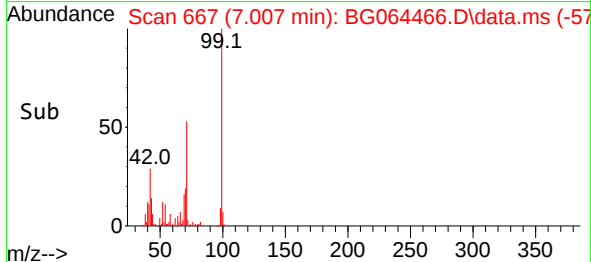
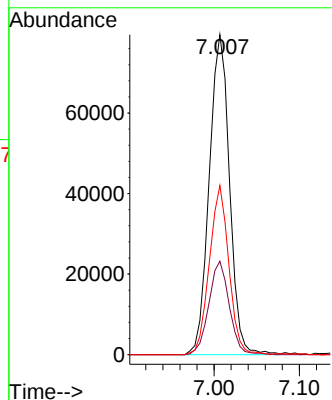
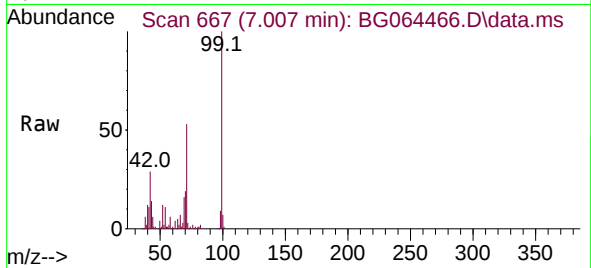




#7  
Phenol-d6  
Concen: 81.944 ng  
RT: 7.007 min Scan# 60  
Delta R.T. -0.003 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

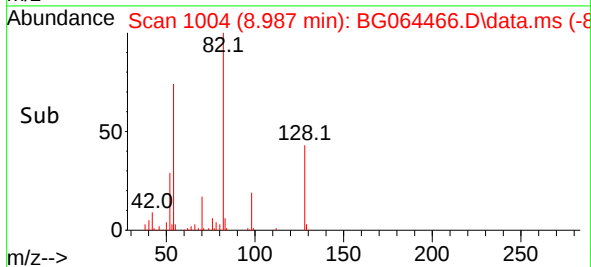
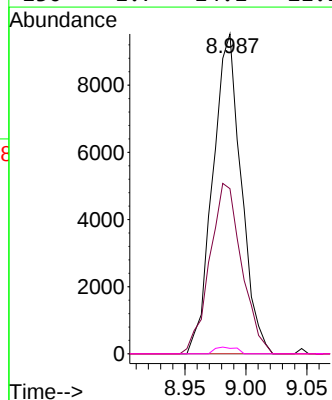
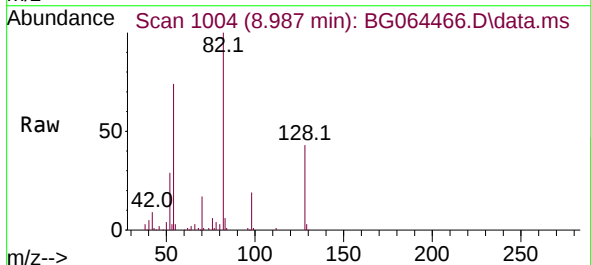
Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

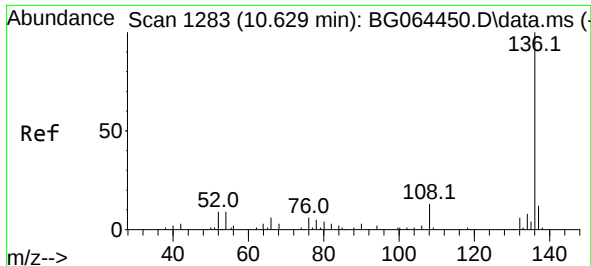
Tgt Ion: 99 Resp: 131265  
Ion Ratio Lower Upper  
99 100  
42 29.2 24.0 36.0  
71 52.8 40.5 60.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.261 ng  
RT: 8.987 min Scan# 1004  
Delta R.T. 0.350 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Tgt Ion: 70 Resp: 15441  
Ion Ratio Lower Upper  
70 100  
42 51.6 65.6 98.4#  
101 0.0 7.7 11.5#  
130 1.7 14.1 21.1#

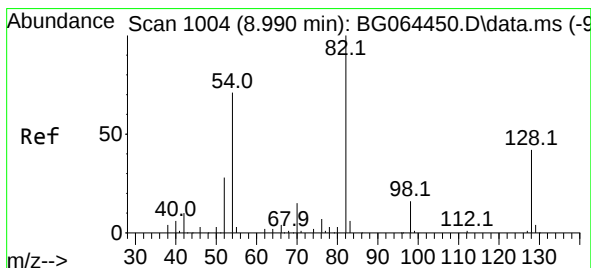
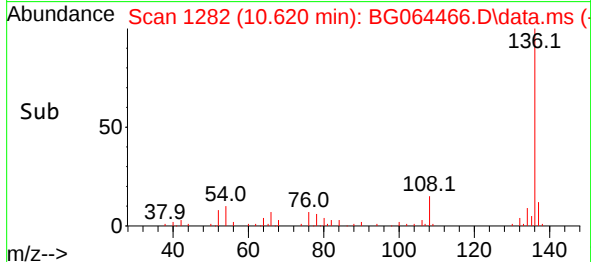
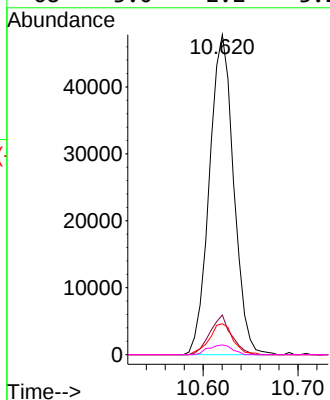
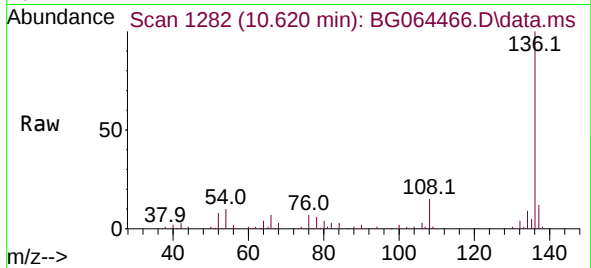




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.620 min Scan# 11  
Delta R.T. -0.009 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

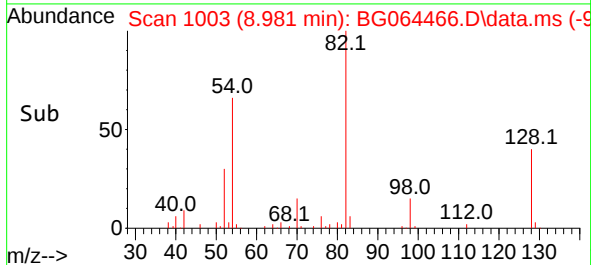
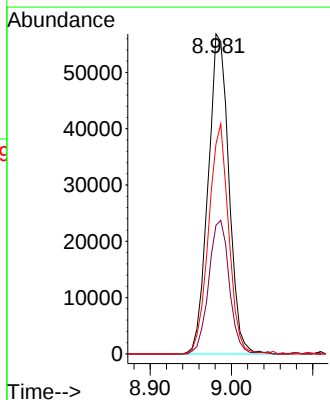
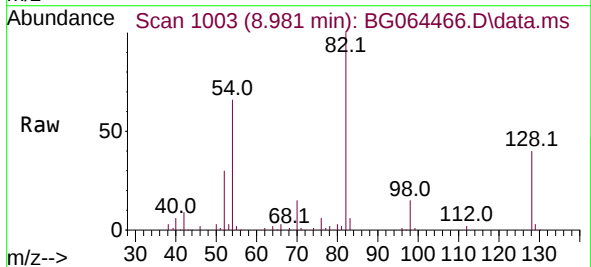
Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

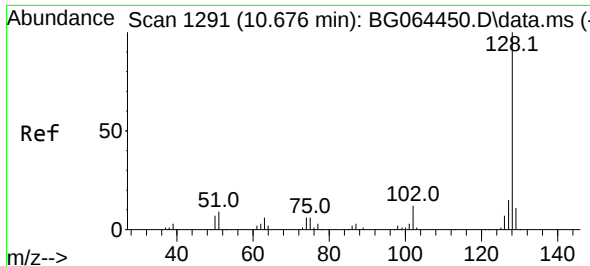
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 85089    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 12.4  | 9.6 14.4 |
| 54          | 9.6   | 7.4 11.2 |
| 68          | 3.0   | 2.2 3.2  |



#23  
Nitrobenzene-d5  
Concen: 64.342 ng  
RT: 8.981 min Scan# 1003  
Delta R.T. -0.009 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 101021    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 40.2  | 33.7 50.5 |
| 54          | 65.5  | 57.0 85.6 |

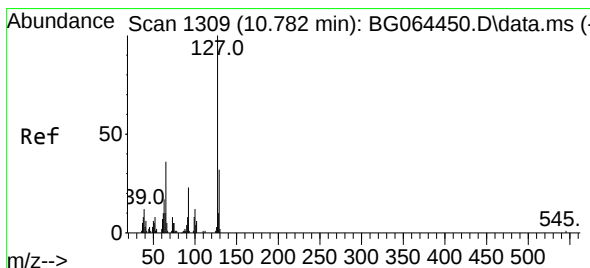
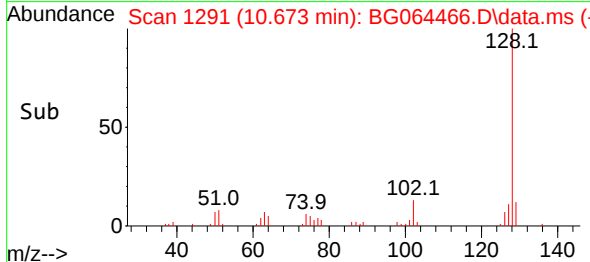
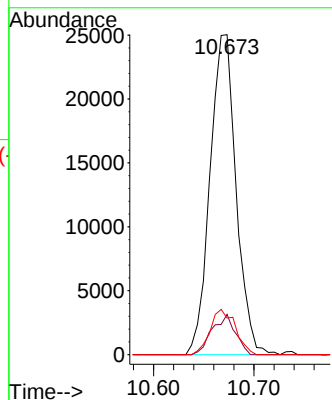
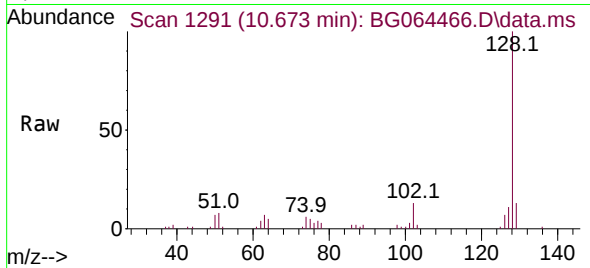




#31  
Naphthalene  
Concen: 10.204 ng  
RT: 10.673 min Scan# 1291  
Delta R.T. -0.003 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

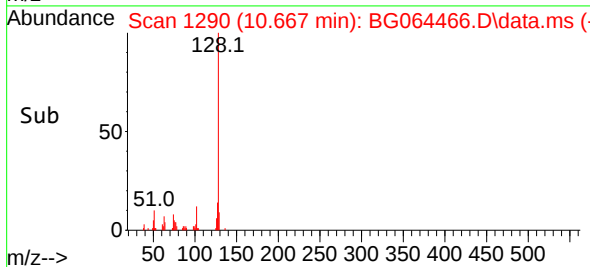
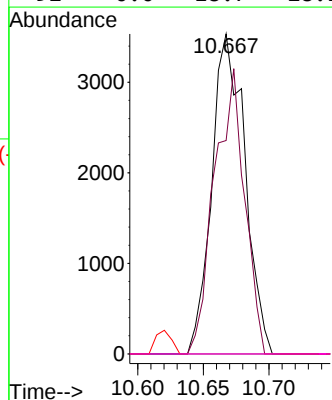
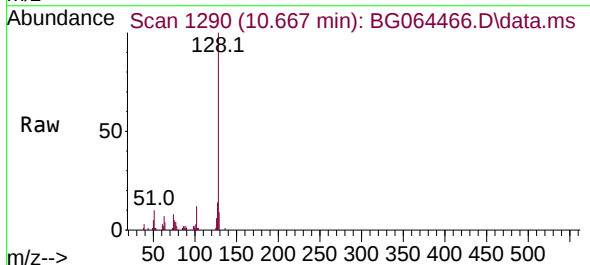
Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

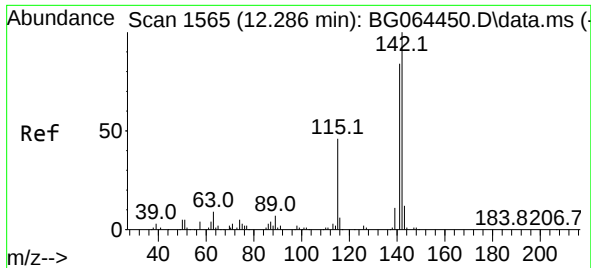
Tgt Ion:128 Resp: 45329  
Ion Ratio Lower Upper  
128 100  
129 12.6 9.2 13.8  
127 11.4 12.1 18.1#



#33  
4-Chloroaniline  
Concen: 3.816 ng  
RT: 10.667 min Scan# 1290  
Delta R.T. -0.114 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Tgt Ion:127 Resp: 6201  
Ion Ratio Lower Upper  
127 100  
129 66.7 25.7 38.5#  
65 0.0 28.6 43.0#  
92 0.0 18.7 28.1#

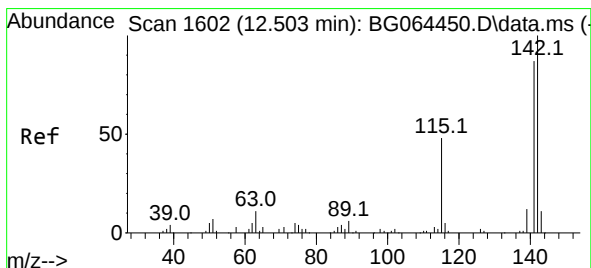
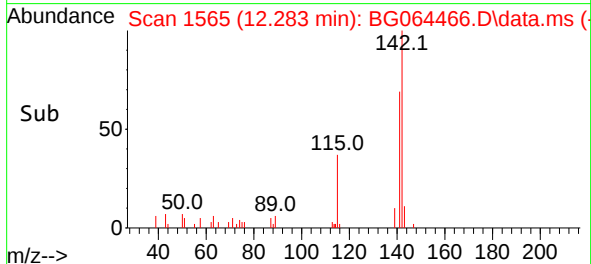
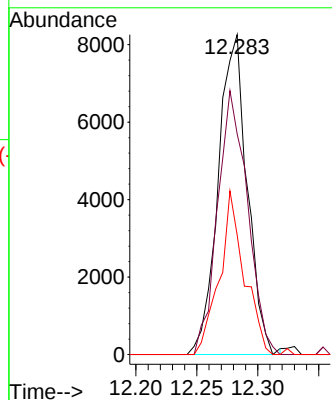
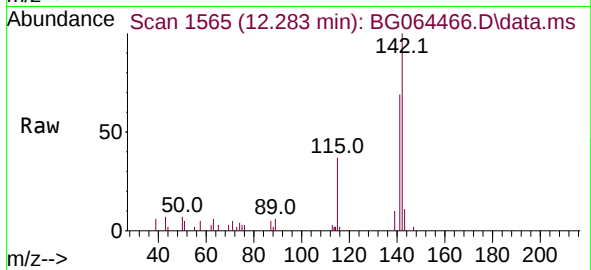




#37  
2-Methylnaphthalene  
Concen: 4.075 ng  
RT: 12.283 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

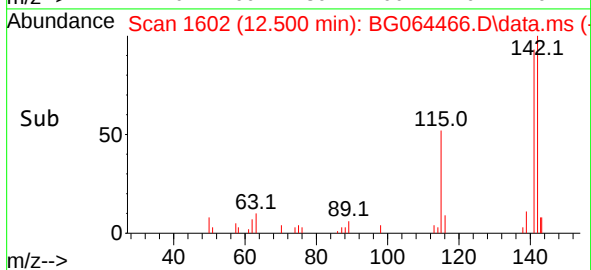
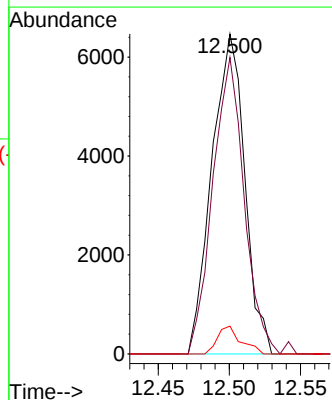
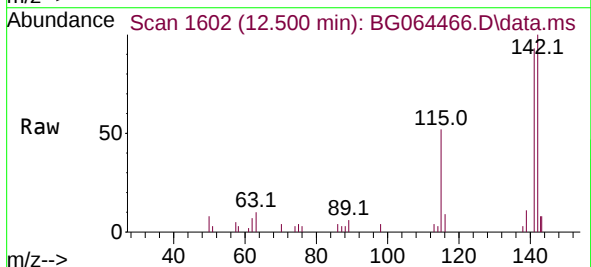
Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

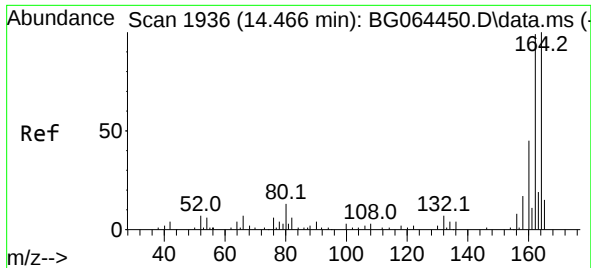
Tgt Ion:142 Resp: 13670  
Ion Ratio Lower Upper  
142 100  
141 69.0 67.3 100.9  
115 37.4 37.0 55.4



#38  
1-Methylnaphthalene  
Concen: 3.158 ng  
RT: 12.500 min Scan# 1602  
Delta R.T. -0.003 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

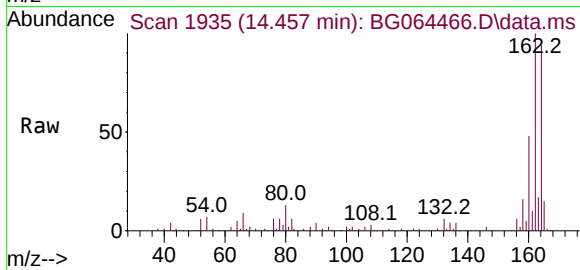
Tgt Ion:142 Resp: 10408  
Ion Ratio Lower Upper  
142 100  
141 92.6 69.2 103.8  
116 8.7 4.2 6.4#



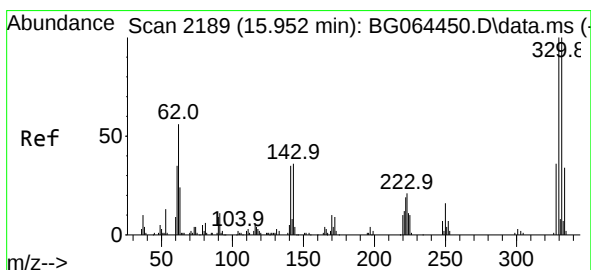
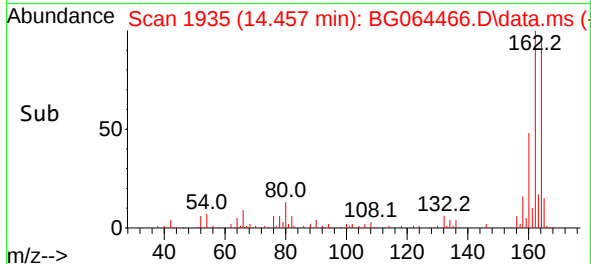
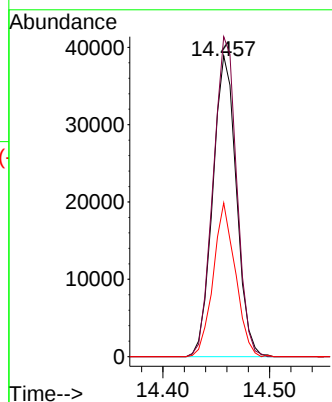


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.457 min Scan# 1935  
 Delta R.T. -0.009 min  
 Lab File: BG064466.D  
 Acq: 29 Sep 2025 19:19

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-A3-03-C

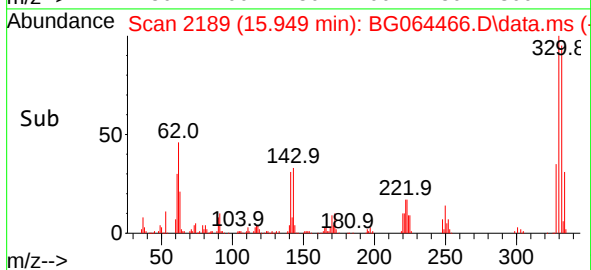
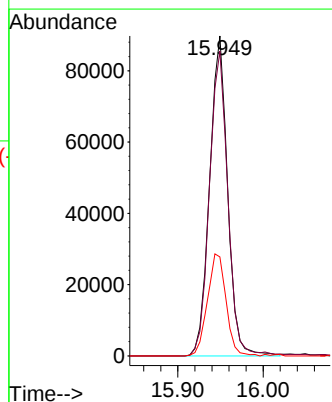
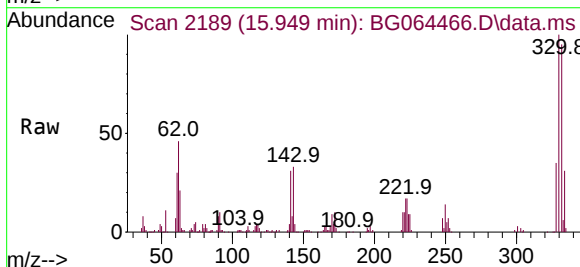


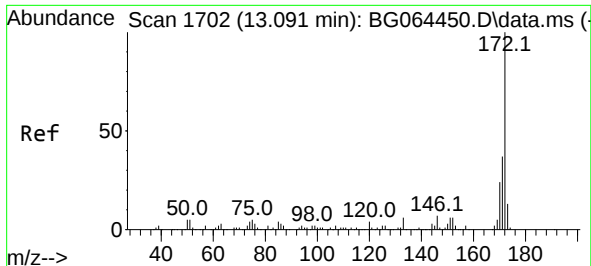
Tgt Ion:164 Resp: 59899  
 Ion Ratio Lower Upper  
 164 100  
 162 106.4 79.0 118.4  
 160 51.1 36.3 54.5



#42  
 2,4,6-Tribromophenol  
 Concen: 125.866 ng  
 RT: 15.949 min Scan# 2189  
 Delta R.T. -0.003 min  
 Lab File: BG064466.D  
 Acq: 29 Sep 2025 19:19

Tgt Ion:330 Resp: 131617  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 78.8 118.2  
 141 32.9 27.3 40.9

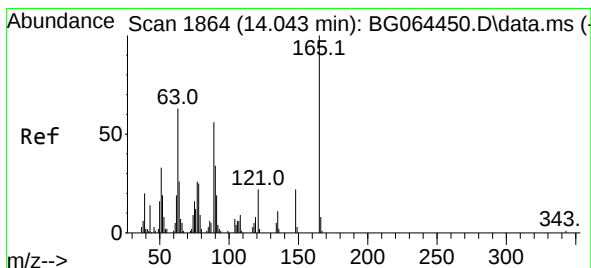
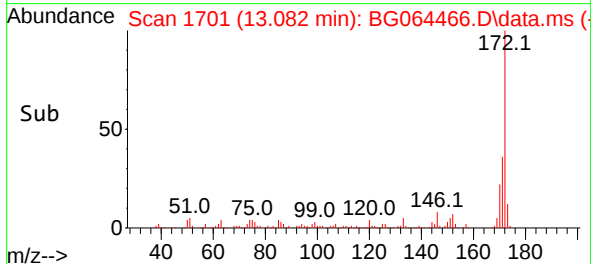
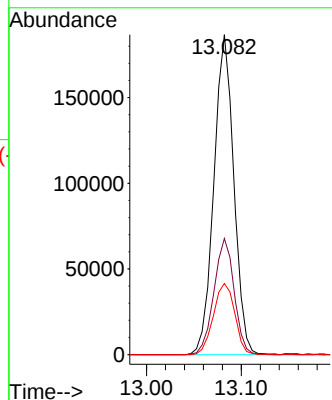
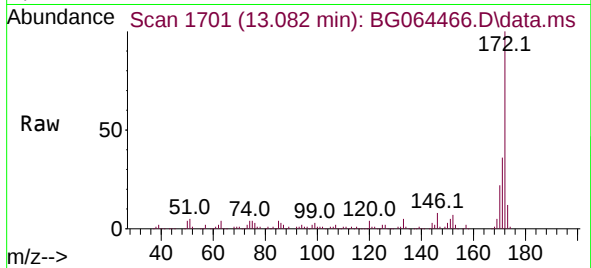




#45  
2-Fluorobiphenyl  
Concen: 67.200 ng  
RT: 13.082 min Scan# 11  
Delta R.T. -0.009 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

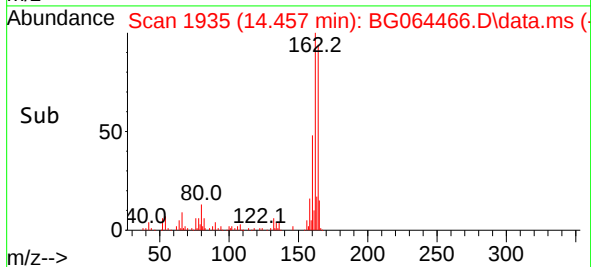
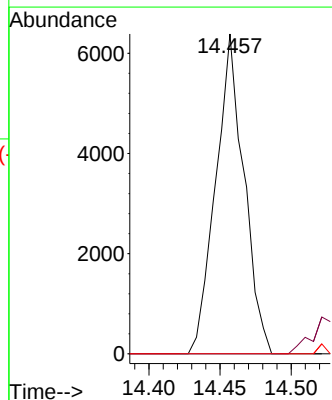
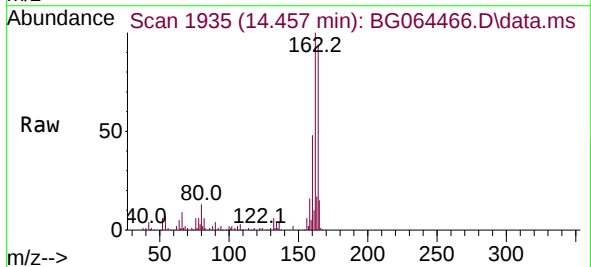
Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

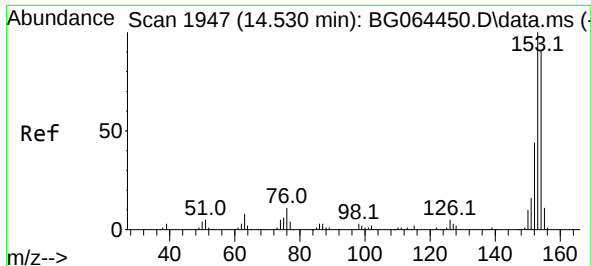
Tgt Ion:172 Resp: 272590  
Ion Ratio Lower Upper  
172 100  
171 36.3 29.4 44.2  
170 22.2 18.9 28.3



#51  
2,6-Dinitrotoluene  
Concen: 9.204 ng  
RT: 14.457 min Scan# 1935  
Delta R.T. 0.414 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Tgt Ion:165 Resp: 8846  
Ion Ratio Lower Upper  
165 100  
63 0.0 50.6 75.8#  
89 0.0 44.6 67.0#

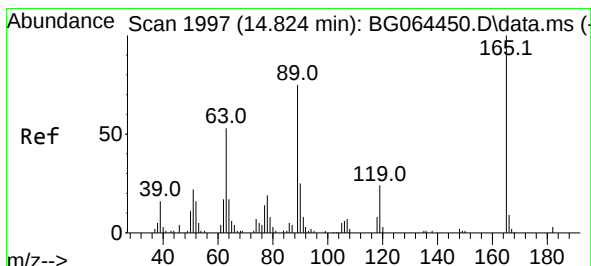
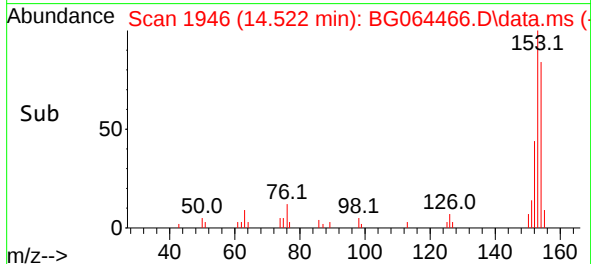
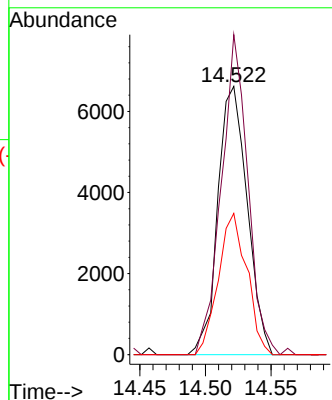
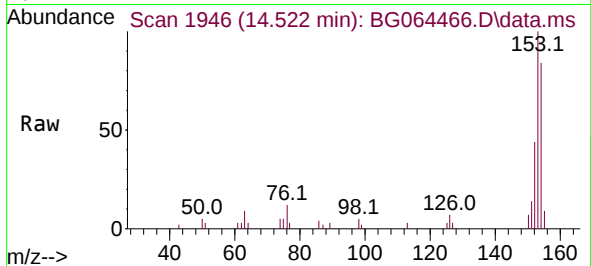




#52  
Acenaphthene  
Concen: 3.129 ng  
RT: 14.522 min Scan# 1946  
Delta R.T. -0.009 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

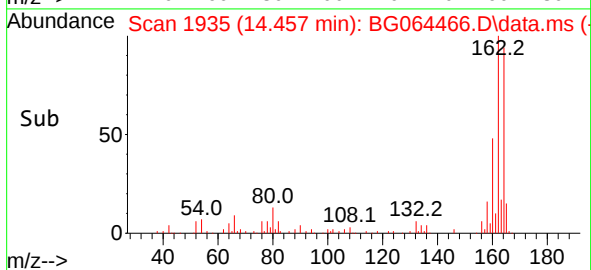
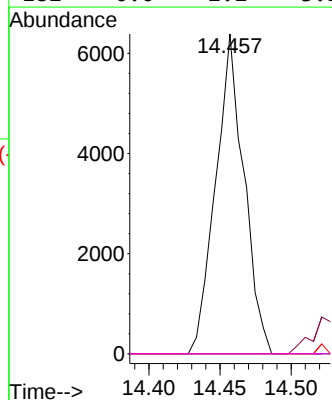
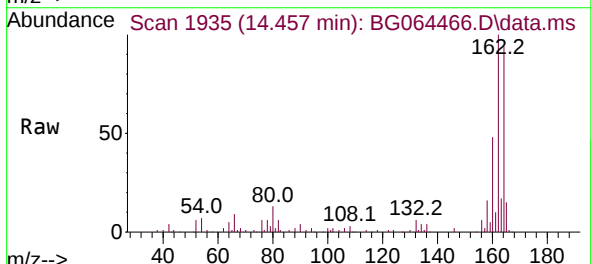
Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

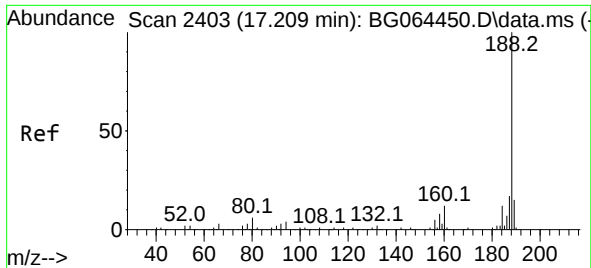
Tgt Ion:154 Resp: 10295  
Ion Ratio Lower Upper  
154 100  
153 119.3 88.1 132.1  
152 52.6 39.0 58.4



#57  
2,4-Dinitrotoluene  
Concen: 6.029 ng  
RT: 14.457 min Scan# 1935  
Delta R.T. -0.367 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Tgt Ion:165 Resp: 8846  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.6 63.8#  
89 0.0 59.7 89.5#  
182 0.0 2.2 3.2#

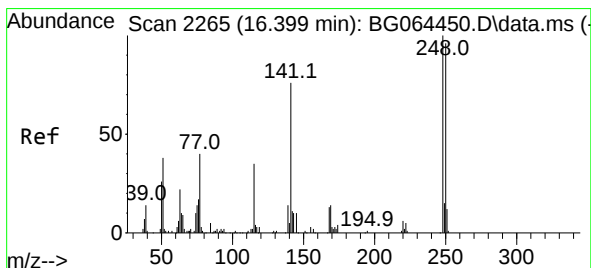
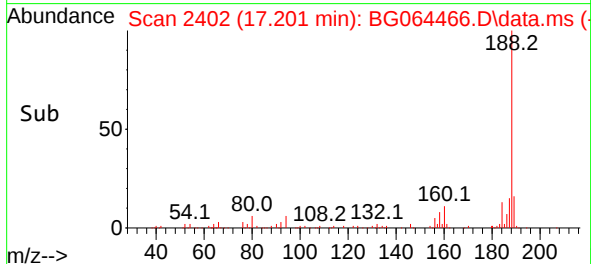
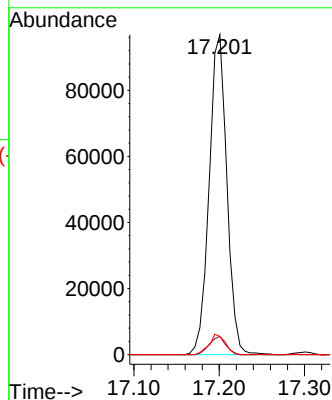
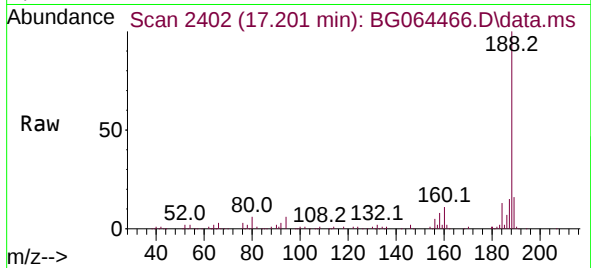




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.201 min Scan# 24  
Delta R.T. -0.009 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

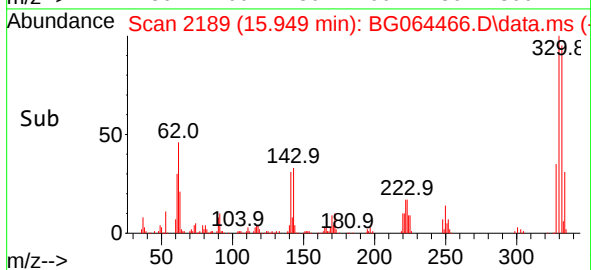
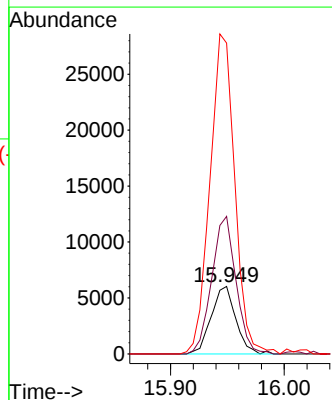
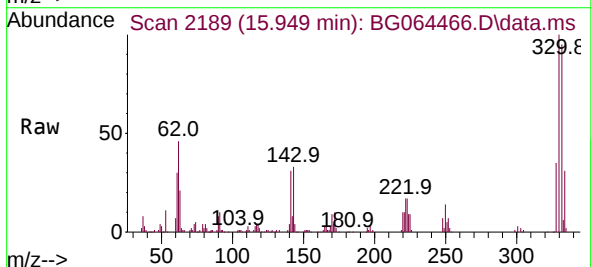
Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

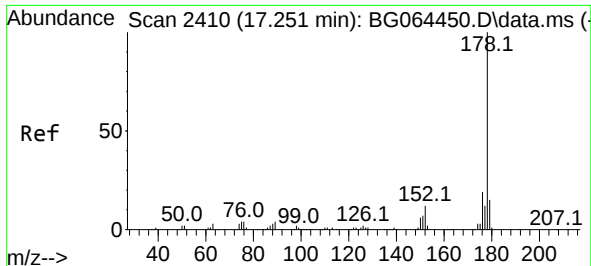
Tgt Ion:188 Resp: 139498  
Ion Ratio Lower Upper  
188 100  
94 5.7 3.0 4.4#  
80 5.7 4.9 7.3



#67  
4-Bromophenyl-phenylether  
Concen: 5.534 ng  
RT: 15.949 min Scan# 2189  
Delta R.T. -0.449 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Tgt Ion:248 Resp: 9046  
Ion Ratio Lower Upper  
248 100  
250 204.0 77.0 115.6#  
141 461.1 61.1 91.7#

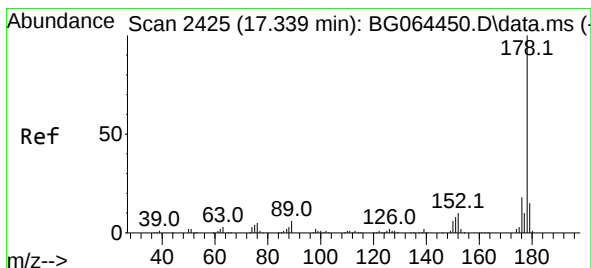
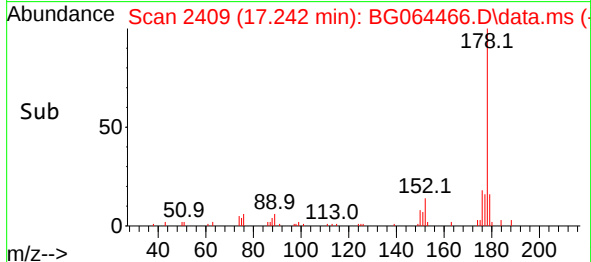
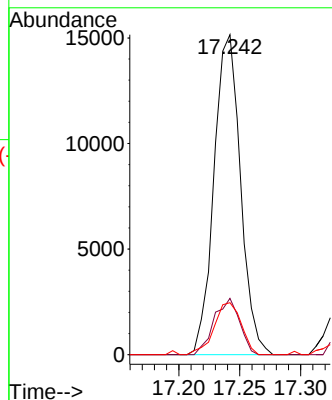
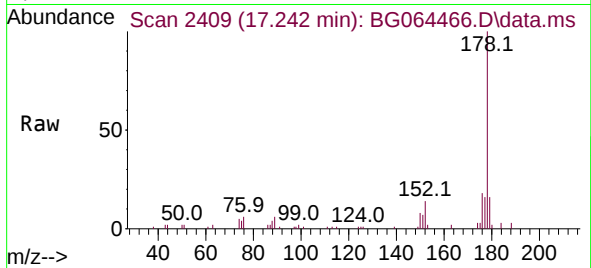




#71  
Phenanthrene  
Concen: 3.161 ng  
RT: 17.242 min Scan# 2409  
Delta R.T. -0.009 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

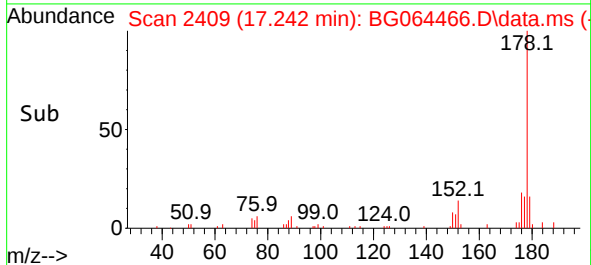
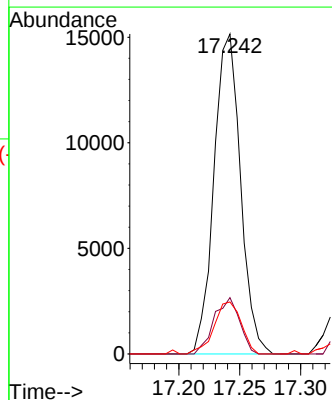
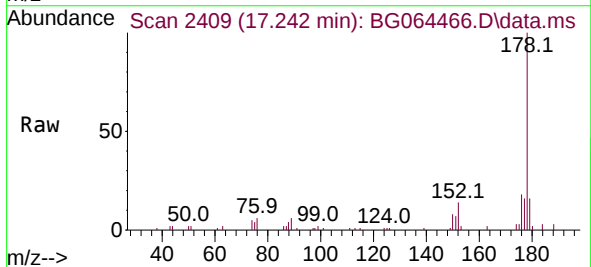
Instrument :  
BNA\_G  
ClientSampleId :  
WC-A3-03-C

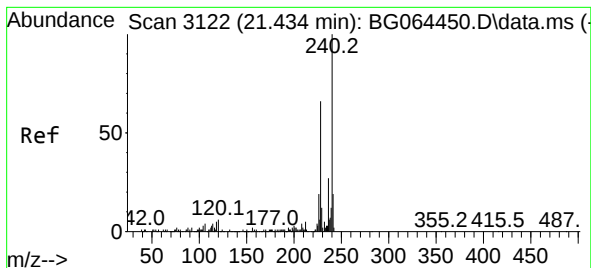
Tgt Ion:178 Resp: 22922  
Ion Ratio Lower Upper  
178 100  
176 17.6 14.9 22.3  
179 16.2 12.4 18.6



#72  
Anthracene  
Concen: 3.104 ng  
RT: 17.242 min Scan# 2409  
Delta R.T. -0.097 min  
Lab File: BG064466.D  
Acq: 29 Sep 2025 19:19

Tgt Ion:178 Resp: 22922  
Ion Ratio Lower Upper  
178 100  
176 17.6 14.5 21.7  
179 16.2 11.9 17.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.425 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG064466.D

Acq: 29 Sep 2025 19:19

Instrument :

BNA\_G

ClientSampleId :

WC-A3-03-C

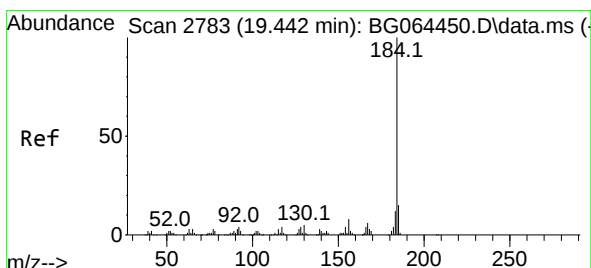
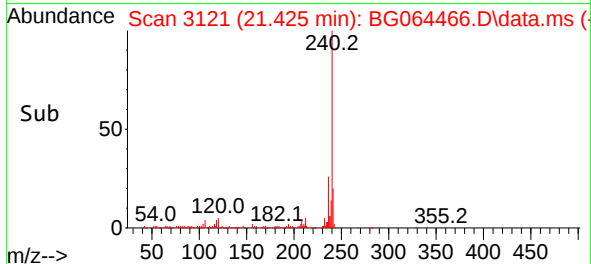
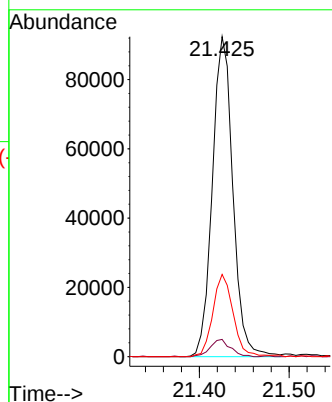
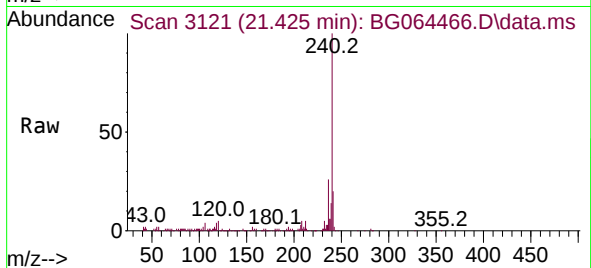
Tgt Ion:240 Resp: 147376

Ion Ratio Lower Upper

240 100

120 5.4 5.0 7.4

236 25.7 21.9 32.9



#77

Benzidine

Concen: 3.591 ng

RT: 19.821 min Scan# 2848

Delta R.T. 0.379 min

Lab File: BG064466.D

Acq: 29 Sep 2025 19:19

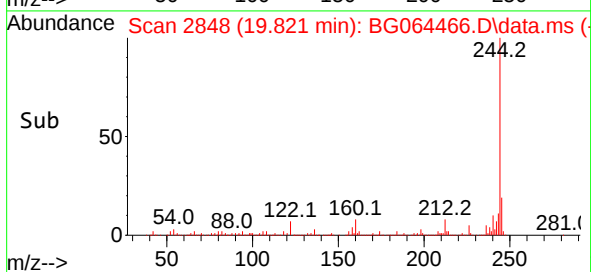
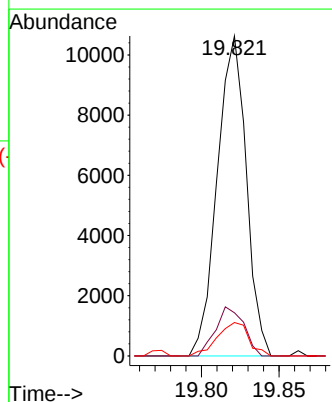
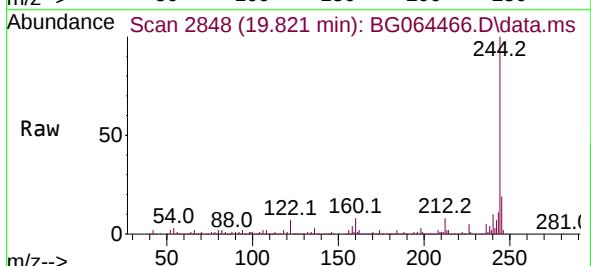
Tgt Ion:184 Resp: 13857

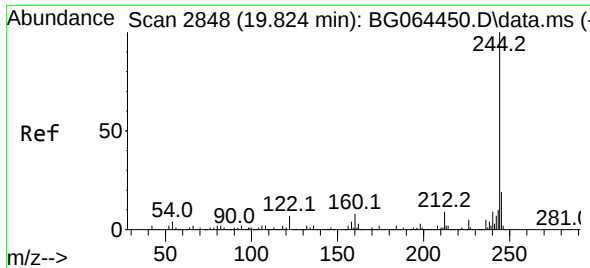
Ion Ratio Lower Upper

184 100

185 13.5 11.7 17.5

183 10.4 10.0 15.0





#79

Terphenyl-d14

Concen: 95.506 ng

RT: 19.821 min Scan# 2848

Delta R.T. -0.003 min

Lab File: BG064466.D

Acq: 29 Sep 2025 19:19

Instrument :

BNA\_G

ClientSampleId :

WC-A3-03-C

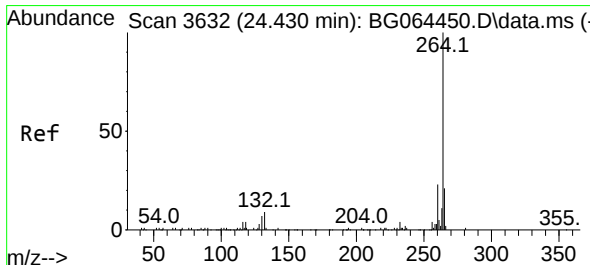
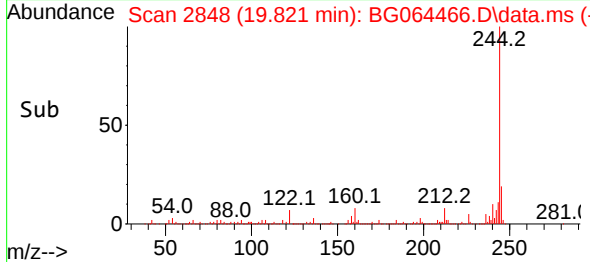
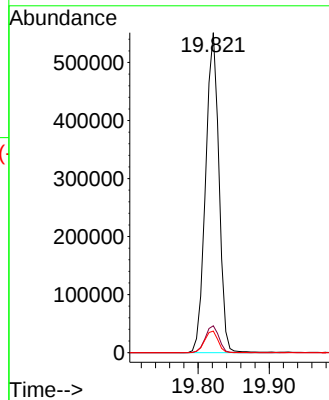
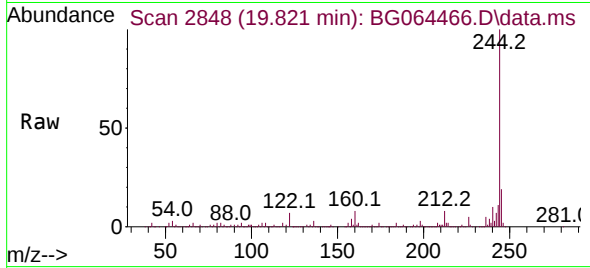
Tgt Ion:244 Resp: 714015

Ion Ratio Lower Upper

244 100

212 8.4 7.2 10.8

122 6.7 5.7 8.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.416 min Scan# 3630

Delta R.T. -0.015 min

Lab File: BG064466.D

Acq: 29 Sep 2025 19:19

Tgt Ion:264 Resp: 163343

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 22.8 16.7 25.1

